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ALEUTIAN SEISMIC PROGRAM
SEISMOLOGICAL BULLETIN
JANUARY 1971

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

JANUARY 1972

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

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SEISMOLOGICAL BULLETIN

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

DESCRIPTION OF COLUMN HEADINGS

DATE - DAY, MONTH, AND YEAR IN GREENWICH MEAN TIME (GMT)

STA - STATION CODE

PHASE - NAME OF PHASE REPORTED
I OR E INDICATES THE CHARACTER OF PHASE ARRIVAL
C OR D IN THE FOURTH CHARACTER INDICATES DIRECTION OF FIRST MOTION

TIME - ARRIVAL TIME OF PHASE IN HOURS, MINUTES, AND SECONDS (GMT)

AMP - GROUND DISPLACEMENT OF PHASE IN MILLIMICRONS
AMPLITUDES REPORTED WITH S PHASES ARE MAXIMUM SURFACE WAVE
DISPLACEMENTS

PER - PERIOD OF PHASE IN SECONDS

MAG - STATION MAGNITUDE DEFINED BY
$$MB = -0.76 + \log_{10}(AMP/PER) + 0.91 * \log_{10}(SLANT \ DISTANCE)$$

FOR EVENTS OF EPICENTER DISTANCE LESS THAN
200 KM FROM STATION

DIST - GREAT CIRCLE DISTANCE TO EVENT IN KILOMETERS

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

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

REMARKS- DESCRIPTIVE INFORMATION

DESCRIPTION OF HYPOCENTER INFORMATION

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

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

SECOND LINE GEOGRAPHIC REGION

ALEUTIAN SEISMIC NETWORK

CODE	STATION	PERIOD OF OPERATION	LATITUDE (DEG MIN SEC)	LONGITUDE (DEG MIN SEC)	ELEVATION (METERS)
ADK	ADAK OBSERVATORY		51 53 01.4 N	176 41 04.3 W	116
AG1	AMCHITKA GEOPHONE 1	02/10/69-04/10/69	51 24 58.2 N	179 10 49.8 E	
AG3	AMCHITKA GEOPHONE 3	02/10/69-04/10/69	51 25 25.8 N	179 11 24.6 E	
AMA	AMATIGNAK ISLAND	09/10/70-	51 17 17.5 N	179 06 33.5 W	503
AME	AMCHITKA EXPERIMENTAL	01/04/69-26/05/69.	51 23 12.0 N	179 15 18.0 E	
ANA	AMCHITKA NORTH A	25/08/69-25/09/69	51 37 39.8 N	178 39 22.7 E	177
		25/09/69-05/11/69	51 37 34.9 N	178 39 41.8 E	133
		05/11/69-16/07/70	51 37 39.8 N	178 39 22.7 E	177
		16/07/70-	51 37 34.9 N	178 39 41.8 E	133
ANB	AMCHITKA NORTH B	09/12/69-18/07/70	51 36 12.0 N	178 47 21.0 E	247
AND	AMCHITKA NORTH D	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
093	OCEAN BOTTOM SEIS 3	30/09/69-17/10/69	50 59 00.0 N	179 21 30.0 E	-3317
085	OCEAN BOTTOM SEIS 5	27/09/69-17/10/69	51 19 00.0 N	178 27 30.0 E	-1234
086	OCEAN BOTTOM SEIS 6	26/09/69-18/10/69	51 46 30.0 N	179 06 30.0 E	-859
088	OCEAN BOTTOM SEIS 8	26/09/69-16/10/69	51 22 00.0 N	179 35 42.0 E	-1408
RAT	RAT ISLAND	14/10/70-	51 47 56.7 N	178 19 48.3 E	226
SMY	SHEMYA	17/11/70-	52 43 51.0 N	174 06 11.0 E	59
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

JAN 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
01	5 37	1.19	51.71 N 179.90 E DEPTH = 75.0 KM				FIXED DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
01	ASB	EP	05 37 14.8	4.5	.1	2.70	60	230	-.1	
		IS	05 37 24.7						-.2	
01	ASC	IP D	05 37 14.8				58	242	.1	
		ES	05 37 24.8						.2	
01	AND	IP	05 37 15.7				67	256	.1	
01	ANA	IP	05 37 17.6				86	264	.2	
01	RAT	IP	05 37 19.6				109	276	-.2	
.....										
.....										
01	7 8	13.12	51.15 N 178.98 W DEPTH = 50.6 KM				FREE DEPTH SOLUTION			
DELAROF ISLANDS, ALEUTIAN ISLANDS										
01	AMA	IP D	07 08 21.4				18	330	.0	
01	ASB	EP	07 08 32.7				126	281	-.2	
		I	07 08 34.7	9.8	.1	3.17				
		IS	07 08 47.4						.0	
01	SSI	IP D	07 08 33.2	35.5	.1	3.74	129	310	-.2	
		IS	07 08 45.7						-2.4	
01	ASC	IP D	07 08 33.9				134	286	-.0	
01	AND	EP	07 08 36.0				151	289	-.0	
01	RAT	EP D	07 08 42.5				200	292	.4	
.....										
.....										
01	7 57	58.80	4.00 S 141.16 E DEPTH = 17.0 KM MB = 5.5 MS = 5.8				TELESEISMIC SOLUTION			
NEW GUINEA										
01	ADK	EP	08 08 47.3				7358	27		ER 0828564
		ES	08 17 36.0							
		EL	08 25 10.3							
.....										
.....										
01	8 13	13.43	51.19 N 179.25 E DEPTH = 29.5 KM				FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
01	ASB	EP	08 13 19.2				19	359	.0	
		ES	08 13 23.4						.0	
01	AND	IP	08 13 22.4				47	334	.0	
01	RAT	EP	08 13 29.1				93	317	.0	
.....										
.....										
01	11 55	3.50	52.98 N 167.04 W DEPTH = 61.0 KM MB = 4.6				TELESEISMIC SOLUTION			
FOX ISLANDS, ALEUTIAN ISLANDS										
01	CSA	IP	11 55 37.3				230	37		
		ES	11 56 11.4							
01	ADK	EP	11 56 31.2				668	263		
		ES	11 57 46.9							
01	AMA	EP	11 56 47.5				848	262		
01	ASB	EP	11 57 4.9				955	265		
01	GMA	EP	11 58 9.0				1427	11		
.....										
.....										
01	ASB	EP	13 01 30.9							
		ES	13 01 49.6							
01	SSI	IP	13 01 37.2	3.2	.1					
		IS	13 02 1.6							

JAN 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
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01	15 17	58.95	51.93 N 178.01 E	DEPTH = 132.7 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
01	RAT	IP D	15 18 17.1	9.8	.1	3.17	26	124	-.1	
01	ANA	IP C	15 18 18.6				56	127	.2	
01	AND	IP C	15 18 19.6				77	122	-.0	
01	ASC	EP	15 18 21.0				95	123	.1	
01	ASB	EP	15 18 21.7				107	126	-.1	
		IS	15 18 38.5						-.0	

01	ADK	EP	16 47 36.2							
		ES	16 47 50.0							

01	RAT	IP	17 10 18.4	5.2	.1	2.70				
		IS	17 10 27.5							
01	AND	IP	17 10 19.2							
		IS	17 10 28.7							

01	20 59	48.19	51.71 N 178.05 E	DEPTH = 65.3 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
01	RAT	IP C	20 59 58.2	9.3	.1	2.88	22	62	-.1	
01	ANA	IP C	20 59 59.8				43	102	.1	
01	AND	IP C	21 00 1.5				65	104	-.1	
01	ASC	EP	21 00 3.9				82	109	.5	
01	ASB	EP	21 00 4.3				92	114	-.1	
		IS	21 00 15.9						-.4	
01	SSI	EP	21 00 6.0	5.4	.1	2.88	108	78	-.3	
		IS	21 00 19.8						.3	

02	ANA	EP	00 25 44.0							
02	ASB	EP	00 25 44.2							
		ES	00 26 11.8							
02	AND	EP	00 25 44.7							
		ES	00 26 12.8							

FROM BRUSH

RECORDER

02	ANA	IP	00 27 2.1							
02	AND	IP	00 27 4.7							
02	ASC	IP	00 27 6.6							
02	ASB	IP	00 27 7.8							
		IS	00 27 24.8							

FROM BRUSH

RECORDER

02	ANA	IP	00 28 43.3							
		ES	00 29 12.9							
02	ASC	IP	00 28 43.5							
02	ASB	IP	00 28 44.0							

FROM BRUSH

RECORDER

02	4 45	27.89	51.97 N 178.42 E	DEPTH = 131.6 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
02	RAT	IP D	04 45 45.6	14.9	.1	3.34	20	198	-.3	
		IS	04 45 59.3						.3	
02	ANA	IP	04 45 46.6				41	156	.1	
02	AND	IP D	04 45 47.3				58	140	-.0	
		ES	04 46 1.2						-.3	
02	ASC	IP	04 45 48.6				76	137	.2	
02	SSI	IP	04 45 48.7	12.2	.1	3.32	81	95	-.0	
02	ASB	IP	04 45 49.2				88	139	-.0	
		ES	04 46 4.8						-.0	

02	SSI	IP D	05 59 28.8	5.6	.1					
		I(S)	05 59 57.2							

JAN 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
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02	16 20 30.16	51.61 N 178.44 E DEPTH = 65.2 KM				FREE DEPTH SOLUTION				
RAT ISLANDS, ALEUTIAN ISLANDS										
02	ANA	IP D	16 20 40.0				15	81	-.0	
02	RAT	IP	16 20 40.3				23	340	-.0	
02	AND	IP D	16 20 41.1				36	98	.0	
		IS	16 20 49.0						-.0	
02	ASC	IP	16 20 42.5				53	107	.1	
02	ASB	IP	16 20 43.1	7.4	.1	2.89	62	116	-.2	
		ES	16 20 53.0						.1	
02	SSI	IP	16 20 45.8	11.5	.1	3.15	85	68	.1	
		IS	16 20 56.9						-.1	

02	ADK	IP D	16 43 54.0							
		ES	16 44 6.1							
02	AMA	EPN	16 44 15.0							
		I	16 44 18.1	125.9	.2					
		IS	16 44 45.6							
02	SSI	EPN	16 44 26.9							
02	ASB	EPN	16 44 29.9							
		I	16 44 31.9	33.1	.2					
		ES	16 45 22.4							
02	ASC	EPN	16 44 30.1							
02	AND	EPN	16 44 32.4							
02	ANA	EPN	16 44 35.1							
02	RAT	EPN	16 44 37.0							
		I	16 44 39.0							

02	18 40 17.70	51.75 N 179.23 W DEPTH = 19.0 KM				TELESEISMIC SOLUTION				
DELAROF ISLANDS, ALEUTIAN ISLANDS										
02	AMA	IP C	18 40 27.1	9.0	.1	2.78	52	171	.2	
02	SSI	IP	18 40 31.9	15.5	.1	3.19	83	282	.3	
		IS	18 40 41.1						-.5	
02	ASC	IP	18 40 37.0				116	255	.5	
02	ASB	EP	18 40 37.0	3.4	.1	2.65	114	248	.8	
		ES	18 40 48.6						-1.1	
02	AND	EP	18 40 38.1				127	261	-.1	
02	ANA	EP	18 40 41.1				146	266	-.0	
02	RAT	EP	18 40 44.3				168	273	-.1	

2	19 9 49.80	59.49 N 144.85 W DEPTH = 24.0 KM MB = 4.9				TELESEISMIC SOLUTION				
GULF OF ALASKA										

02	21 25 10.35	51.56 N 179.53 W DEPTH = 74.4 KM				FREE DEPTH SOLUTION				
DELAROF ISLANDS, ALEUTIAN ISLANDS										
02	AMA	EP	21 25 22.7	8.1	.1	2.90	42	136	.1	
		IS	21 25 31.6						.0	
02	SSI	IP	21 25 25.0				71	301	-.1	
		IS	21 25 35.8						-.0	
02	ASB	EP	21 25 26.6	7.6	.1	3.00	88	256	-.2	
		ES	21 25 38.5						-.2	
02	ASC	IP	21 25 27.2				91	263	.1	
		IS	21 25 39.7						.4	
02	AND	EP	21 25 28.4				105	271	-.2	
02	ANA	EP	21 25 31.0				126	274	.1	
02	RAT	EP	21 25 33.9				150	281	.1	

JAN 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
02	22 28	35.88	51.38 N 175.67 E	DEPTH = 125.0 KM			FIXED DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
02	RAT	EP	22 29 6.3	6.0	.1	3.16	190	75	.0	
		IS	22 29 28.5						.0	
02	ANA	EP	22 29 8.4				209	81	-.0	
02	AND	EP	22 29 10.6				229	84	.0	
.....										
03	6 8	18.47	51.42 N 177.78 E	DEPTH = 50.0 KM			FIXED DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
03	RAT	IPGD	06 08 29.8	69.5	.1	3.79	57	42	-.2	
		IS	06 08 37.9						-.5	
03	ANA	IPG	06 08 30.9				65	69	-.1	
03	AND	IP D	06 08 32.8				83	79	-.3	
		IS	06 08 42.7						-1.0	
03	ASC	IP	06 08 34.8				96	87	.1	
03	ASB	EP	06 08 35.3				102	93	-.1	
03	SSI	IP D	06 08 40.3	115.7	.1	4.27	135	67	.8	
		IS	06 08 55.8						1.0	
.....										
03	6 41	20.25	51.29 N 179.82 E	DEPTH = 8.2 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
03	ASB	IPGC	06 41 27.8	11.5	.1	2.77	41	281	.0	
		IS	06 41 33.3						-.0	
03	ASC	IPG	06 41 29.3				50	293	-.0	
03	AND	EPG	06 41 32.1				67	297	.0	
03	SSI	EPG	06 41 32.3	11.2	.1	2.97	69	347	-.0	
.....										
03	AMA	IPGD	10 06 37.2	7.7	.1	2.52				
		IS	10 06 40.9							
03	SSI	IP	10 06 47.8	6.8	.1					
03	RAT	IPGC	12 34 26.2	92.4	.1	3.62				
		IS	12 34 30.1							
03	ANA	IP	12 34 29.9							
03	AND	EP	12 34 31.9							
03	SSI	IP C	12 34 35.3	46.1	.1	3.69				
		ES	12 34 45.5							
.....										
03	13 33	21.12	51.49 N 179.71 E	DEPTH = 68.3 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
03	ASB	EP	13 33 32.3	4.6	.1	2.62	35	246	-.0	
		IS	13 33 40.5						.0	
03	ASC	IP	13 33 32.6				38	266	.1	
03	SSI	EP	13 33 33.1	2.7	.1	2.41	46	349	.0	
		ES	13 33 41.8						.0	
03	AND	IP	13 33 33.4				53	279	-.3	
03	ANA	EP	13 33 36.1				74	282	.4	
03	RAT	EP	13 33 38.5	3.7	.1	2.71	102	290	-.2	QP
.....										
03	RAT	EP	15 50 51.5	124.0	.2	4.06				
		I(S)	15 51 9.9							
03	ANA	EP	15 50 55.1							
03	AND	EP	15 50 57.6							
03	ASC	EP	15 50 59.6							
03	ASB	EP	15 51 .5	23.0	.2					QP
		E(S)	15 51 26.3							
03	SSI	EP	15 51 2.9	22.2	.1					

JAN 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
03	AMA	E(S) EP	15 51 32.7 15 51 17.1	13.4	.2					
.....										
03	16 19	22.80	51.30 N 179.39 W	DEPTH = 37.0 KM		TELESEISMIC SOLUTION				
			DELAROF ISLANDS, ALEUTIAN ISLANDS							
03	AMA	IPGD	16 19 29.6				20	94	.1	WHITE OUT
03	ASB	EP	16 19 38.3	96.4	.2	3.75	95	274	-.7	PRETTY LARGE
		IS	16 19 49.8						-1.0	
03	SSI	IP D	16 19 38.6				97	313	-.6	AMPL OBSCURED
		ES	16 19 49.9						-1.3	
03	ASC	IP	16 19 39.5				102	281	-.5	
03	AND	IP D	16 19 41.3				119	285	-.8	
03	ANA	IP	16 19 44.3				140	286	-.4	
03	RAT	EP	16 19 47.9	74.4	.2	3.84	167	290	-.2	
.....										
03	AUK	EP	21 21 58.2							
		ES	21 22 5.1							
03	AMA	IP	21 42 59.4	28.1	.1					
03	ASB	EP	21 43 8.3	5.1	.1					
		I	21 43 19.9							
03	SSI	EP	21 43 8.7	5.9	.1					QP
		I	21 43 19.6							
03	ASC	EP	21 43 9.2							
03	AND	EP	21 43 11.4							
.....										
03	22 19	55.96	51.55 N 178.83 E	DEPTH = 65.2 KM		FREE DEPTH SOLUTION				
			RAT ISLANDS, ALEUTIAN ISLANDS							
03	AND	IPGD	22 20 5.6				9	81	-.0	
03	ANA	IPG	22 20 6.0				14	305	.2	
03	ASC	IPG	22 20 6.2				25	113	-.0	
03	ASB	IPG	22 20 6.8	12.4	.1	3.04	36	126	-.1	
		IS	22 20 14.8						-.0	
03	RAT	IPGD	22 20 7.4	33.3	.1	3.49	44	309	-.1	
		IS	22 20 15.9						-.0	
03	SSI	EPG	22 20 9.3	23.9	.1	3.40	65	54	-.0	
		IS	22 20 19.1						.0	
03	AMA	EP	22 20 18.6	6.8	.1	3.08	146	101	.0	
.....										
04	13 2	47.15	51.11 N 179.87 W	DEPTH = 0.0 KM		FIXED DEPTH SOLUTION				
			DELAROF ISLANDS, ALEUTIAN ISLANDS							
04	AMA	EP	13 02 57.5	6.2	.1	2.63	57	69	-.0	
04	ASB	EP C	13 02 59.1	6.7	.1	2.73	68	295	-.3	
		ES	13 03 8.5						.1	
04	ASC	E(P)	13 03 1.1				78	301	-.2	
04	SSI	EP	13 03 3.9	11.7	.1	3.11	95	337	-.1	
04	AND	E(P)	13 03 3.9				96	302	-.2	
04	ANA	E(P)	13 03 6.8				117	300	-.5	
04	RAT	EP	13 03 13.7				147	302	1.9	
.....										
04	18 35	43.80	51.06 N 179.52 W	DEPTH = 8.0 KM		TELESEISMIC SOLUTION				
			DELAROF ISLANDS, ALEUTIAN ISLANDS							
04	AMA	IP D	18 35 50.8				39	48	-.2	
04	ASB	E(P)	18 36 .4	26.0	.1	3.45	92	292	1.0	
		E(S)	18 36 14.5						3.7	
04	ASC	EP	18 36 1.9				102	297	1.0	
04	SSI	IP D	18 36 3.2				112	327	.9	
04	AND	EP	18 36 4.3				120	298	.7	

JAN 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
. 04	ANA	EP	18 36 7.8				142	297	.9	
. 04	RAT	E(P)	18 36 10.9				171	300	-.4	
		ES	18 36 22.9						-8.4	
. 04	ADK	EP	18 36 18.7				217	64	.7	
		ES	18 36 38.2						-4.7	
.....										
. 05	RAT	IPN	01 41 52.9							
		IPG	01 41 54.2	44.7	.1	3.89				
		ES	01 42 10.4							
. 05	ANA	EP	01 41 55.9							
. 05	AND	EP	01 41 58.7							
. 05	ASB	EP	01 42 2.8							
. 05	SSI	EPN	01 42 4.1							
		IPG	01 42 6.1	22.2	.1					
.....										
. 05	1 55	41.59	52.26 N 178.36 W	DEPTH = 176.0 KM				FREE DEPTH SOLUTION		
			DELAROF ISLANDS, ALEUTIAN ISLANDS							
. 05	AMA	IP D	01 56 9.6				120	206	-.1	
		IS	01 56 30.2						.1	
. 05	SSI	EP C	01 56 11.7				146	255	.0	
. 05	ASB	EP	01 56 15.9				193	240	.1	
		ES	01 56 40.8						-.1	
.....										
. 05	AMA	IP	05 06 41.6	3.1	.1					
. 05	ASD	IP	05 06 44.4	2.9	.1					
. 05	ASB	EP	05 06 44.6	2.8	.1					
. 05	SSI	IP D	05 06 49.5	5.1	.1	2.84				
		IS	05 07 2.8							
. 05	AMA	EP	05 09 40.7							
. 05	ASD	IP	05 09 43.7							
. 05	SSI	IP	05 09 48.7	4.9	.1	2.83				
		ES	05 10 2.0							
. 05	RAT	IP C	07 25 33.1	3.8	.1	2.51				
		IS	07 25 41.1							
. 05	ANA	EP	07 25 33.4							
		IS	07 25 41.3							
. 05	AND	EP	07 25 35.2							
. 05	SSI	IP	07 25 42.9	4.1	.1	2.80				
		IS	07 25 58.0							
. 05	AMA	IP C	11 29 50.6	19.0	.1	3.04				
		IS	11 29 55.8							
. 05	ASD	EP	11 29 59.9	1.8	.1					
. 05	SSI	IP D	11 30 2.8	4.1	.1	2.76				
		IS	11 30 16.5							
. 05	RAT	EP	15 00 2.6	330.5	.4					REGIONAL
		I	15 00 3.6							
		E(S)	15 00 44.1							
. 05	ANA	EP	15 00 6.9							POORLY DEFINED
. 05	AND	EP	15 00 9.7							
. 05	ASC	EP	15 00 13.6							
. 05	ASB	EP	15 00 14.4							
. 05	ASD	EP	15 00 15.1							
. 05	SSI	IP C	15 00 15.2							
. 05	AMA	IP C	15 29 24.5	13.3	.1	3.07				
		IS	15 29 32.7							
. 05	SSI	EP	15 29 33.5							
		IS	15 29 47.6							
. 05	ASD	EP	15 29 34.6	1.5	.1	2.38				
. 05	ASB	IP D	15 29 35.5	2.6	.1	2.63				
		ES	15 29 51.6							

JAN 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
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05	15 52	9.44	51.43 N 178.79 E	DEPTH = 45.0 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
05	AND	IP C	15 52 17.0				19	36	-.1	
05	ANA	IP	15 52 17.5				24	338	.0	
05	ASC	IP C	15 52 17.8				26	81	.2	
05	ASB	EP	15 52 18.0				32	103	-.2	
		IS	15 52 24.6						.1	
05	ASD	IP	15 52 18.7	8.5	.1	2.78	38	96	-.0	
05	SSI	IP D	15 52 23.1	4.9	.1	2.70	75	46	.1	
		IS	15 52 32.8						-.1	

05	19 34	36.75	51.38 N 179.31 W	DEPTH = 45.7 KM			FREE DEPTH SOLUTION			
DELAROF ISLANDS, ALEUTIAN ISLANDS										
05	AMA	IP C	19 34 44.7	23.7	.2	2.85	17	125	.3	
05	SSI	IP D	19 34 51.5	10.0	.1	3.08	95	307	-1.2	
		IS	19 35 1.0						-3.4	
05	ASD	EP	19 34 51.9	6.9	.1	2.91	94	271	-.7	
05	ASB	EP	19 34 53.3				100	269	-.1	
		ES	19 35 4.5						-1.0	
05	ASC	EP	19 34 54.2				106	276	.1	
05	AND	IP	19 34 56.0				122	280	-.1	
		ES	19 35 9.9						-.2	
05	RAT	IP	19 35 2.9				170	287	1.0	
		IS	19 35 22.1						1.8	

05	19 41	44.50	51.04 N 178.27 E	DEPTH = 33.0 KM			TELESEISMIC SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
05	ANA	IP C	19 41 57.0				70	22	.0	GOOD RECORD
05	AND	IP C	19 41 57.3				75	39	-.3	
		IS	19 42 6.3						-.8	
05	ASB	IP D	19 41 57.5	254.3	.1	4.39	77	62	-.3	
		IS	19 42 6.3						-1.3	
05	ASC	IP D	19 41 57.9				78	53	-.1	
05	ASD	IP D	19 41 58.3	41.2	.1	3.63	84	62	-.6	
05	RAT	IP C	19 41 58.7	32.3	.1	3.53	84	3	-.3	
		IS	19 42 8.5						-1.0	
05	SSI	IP C	19 42 5.6				131	44	-.1	
05	AMA	EP	19 42 12.1				185	81	-.2	

05	20 35	20.40	51.67 N 176.45 E	DEPTH = 33.0 KM			TELESEISMIC SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
05	RAT	IP	20 35 40.4	799.5	.3	4.60	130	83	-1.1	LARGE AMP
		IS	20 35 54.8						-2.1	
05	ANA	IP	20 35 42.9				152	91	-1.4	
05	AND	IP	20 35 45.3				173	93	-1.5	
		IS	20 36 8.2						2.1	
05	ASC	IP	20 35 48.4				189	96	-.4	
05	ASB	IP	20 35 49.2				196	99	-.5	
		IS	20 36 12.8						1.8	
05	ASD	IP	20 35 49.7				202	98	-.7	
05	SSI	IP	20 35 52.4				217	82	.2	
05	AMA	EP	20 36 4.5				310	96	.8	

06	ASB	EP	00 11 37.7							
06	ASC	EP	00 11 38.5							
06	AND	EP	00 11 41.7							

FROM BRUSH RCOR

JAN 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
06	ANA	ES	00 11 54.8							
06	ANA	EP	00 11 44.8							
06	1 57 10.48	52.08 N 179.91 E	DEPTH = 155.2 KM							FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
06	ASD	EP	01 57 34.1	2.1	.1	2.61	86	207	-.0	
06	AND	EP	01 57 34.2				88	229	.0	
06	ASC	EP	01 57 34.3				86	217	.2	
06	ASB	EP	01 57 34.4	3.5	.1	2.84	92	210	-.1	
06		ES	01 57 52.0						-.0	
06	ANA	EP	01 57 34.9				100	240	-.1	
06	AMA	EP	01 57 35.8	2.9	.1	2.78	111	142	-.0	QP
06	ASD	EP	02 33 27.2	6.6	.1	2.82				
06	ASB	EP	02 33 27.6	3.7	.1	2.58				QS
		E(S)	02 33 37.4							
06	ASC	EP	02 33 28.9							
06	AND	EP	02 33 31.4							
06	ANA	EP	02 33 34.4							
06	AMA	IPGC	04 44 40.8	187.1	.2	3.63				
		ES	04 44 44.8							
06	SSI	EP	04 44 51.0	11.5	.1					QP
06	ASD	EP	04 44 51.2	4.6	.1	2.73				
		ES	04 45 2.2							
06	ASB	EP	04 44 52.2	4.6	.1	2.74				
		ES	04 45 3.7							
06	ASC	EP	04 44 53.1							QP
06	AND	EP	04 44 54.9							
06	ANA	EP	04 44 58.4							
06	GMA	EP	06 12 28.5							
06	6 13 12.41	52.10 N 178.43 E	DEPTH = 146.6 KM							FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
06	ANA	EP	06 13 33.4				54	163	.1	
		IS	06 13 48.6						-.0	
06	AND	EP	06 13 33.9				69	149	-.2	
06	SSI	I(P)	06 13 34.9	25.4	.1	3.67	82	105	.0	
06	ASC	EP	06 13 35.3				87	144	.1	
06	ASD	EP	06 13 35.9	6.2	.1	3.08	100	141	-.2	
06	ASB	EP	06 13 36.2	3.5	.1	2.83	99	145	.2	
		ES	06 13 53.3						.0	
06	6 52 53.37	51.40 N 179.17 E	DEPTH = 63.3 KM							FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
06	ASD	IPGD	06 53 2.7				12	96	-.2	WHITE OUT
06	ASB	IPGC	06 53 2.7				7	133	-.1	WHITE OUT, CLIPT
		ES	06 53 9.9						.3	
06	ASC	IPGC	06 53 2.8				7	354	.0	QDIR, LG LOCAL
06	AND	IPGD	06 53 3.1				24	319	-.2	WHITE OUT
06	ANA	EPG	06 53 4.9				43	305	.2	WHITE OUT
06	RAT	IP	06 53 7.5				73	307	-.0	WHITE OUT
06	AMA	EP	06 53 12.9	46.1	.2	3.54	120	95	.1	

JAN 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
. 06	6 58	13.48	51.71 N 179.01 E	DEPTH = 75.6 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
. 06	AND	EPG	06 58 24.5				16	194	-.1	STORMY, EMERGENT
. 06	ANA	EPG	06 58 25.0				26	250	.1	
. 06	ASC	IPG	06 58 25.2				29	158	.1	
. 06	ASB	IPG	06 58 25.8	6.4	.1	2.81	42	157	-.1	
		ES	06 58 34.9						.0	
. 06	ASD	EPG	06 58 25.9	6.2	.1	2.79	42	147	.0	
.....										
.....										
. 06	9 13	11.45	51.36 N 179.65 E	DEPTH = 25.0 KM			FIXED DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
. 06	ASD	EP	08 13 16.7	27.6	.1	3.07	22	278	-.3	LOCAL
		ES	08 13 20.0						-1.0	
. 06	ASB	EP	08 13 18.0	27.6	.1	3.12	28	269	.3	
		IS	08 13 22.6						.4	
. 06	ASC	EP	08 13 18.7				36	288	.1	
. 06	AND	IP	08 13 20.9				53	295	-.2	
. 06	ANA	EP	08 13 24.4				75	293	.2	
. 06	AMA	EP	08 13 25.9	78.4	.2	3.61	86	95	-.0	
. 06	RAT	EP	08 13 28.7	28.8	.1	3.54	104	298	.2	QP
.....										
. 06	AND	EP	08 33 .3							
. 06	ANA	EP	08 33 .4							QP
. 06	ASB	EP	08 33 .5	18.8	.2	3.23				QP
		E(S)	08 33 18.6							
. 06	ASC	EP	08 33 .8							QP
. 06	ASD	EP	08 33 1.5	8.5	.2	2.90				VERY EMERGENT
.....										
.....										
. 06	9 47	43.21	51.24 N 178.62 E	DEPTH = 28.5 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
. 06	AND	EPG	08 47 51.5				43	33	-.1	
. 06	ANA	EPG	08 47 51.7				43	4	.0	
. 06	ASC	EPG	08 47 51.8				45	57	-.1	
		I(S)	08 47 58.6						.3	
. 06	ASB	E(P)	08 47 52.2	3.9	.1	2.41	46	72	.2	QP
		I(S)	08 47 58.1						-.3	
.....										
.....										
. 06	9 21	9.59	51.25 N 178.67 E	DEPTH = 0.0 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
. 06	AND	IPG	09 21 16.7				40	29	-.2	
		ES	09 21 22.2						-.0	
. 06	ANA	EPG	09 21 17.3				42	359	.1	QP
. 06	ASC	EPG	09 21 17.5				42	55	.3	
. 06	ASD	EPG	09 21 18.4	5.7	.1	2.54	49	71	-.2	
.....										
. 06	ANA	EPG	10 34 54.2							
. 06	AND	IPG	10 34 54.7							
		E(S)	10 35 .6							
.....										
.....										
. 06	10 40	32.99	51.95 N 178.62 E	DEPTH = 134.3 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
. 06	RAT	IP D	10 40 51.3				26	230	-.1	
. 06	ANA	EP	10 40 51.9				36	175	.2	
. 06	AND	IP D	10 40 52.3				49	152	.1	
. 06	ASC	EP	10 40 53.2				66	145	.1	

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JAN 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS	
. 06	SSI	IP D	10 40 53.2				67	95	.0		
. 06	ASB	EP C	10 40 54.0	160.8	.1	4.44	79	146	.1		
		ES	10 41 8.9						-.3		
. 06	ASD	IP D	10 40 54.1				80	141	.1		
. 06	AMA	IP D	10 41 2.0	118.9	.1	4.45	173	114	-.3	QTAMP	
		ES	10 41 23.9						.3		
.....											
. 06	14 44 55.95	50.94 N 178.45 E DEPTH = 50.0 KM RAT ISLANDS, ALEUTIAN ISLANDS						FIXED DEPTH SOLUTION			
. 06	ASB	EPG	14 45 9.2	18.9	.1	3.29	73	50	-.2		
		ES	14 45 19.1						-.0		
. 06	AND	IPGD	14 45 9.8				78	27	-.1		
. 06	ASC	EPG	14 45 10.1				77	41	.3		
. 06	ASD	IPGD	14 45 10.2	23.9	.1	3.42	80	51	-.0		
.....											
. 07	2 49 57.50	52.44 N 173.32 W DEPTH = 87.0 KM MB = 5.8 ANDREANOF ISLANDS, ALEUTIAN IS.						TELESEISMIC SOLUTION			
. 07	ADK	EP	02 50 31.8				239	256		ML5.9 D2.3 FELT	
		ES	02 50 59.7								
. 07	AMA	EP	02 50 53.6				419	254			
. 07	SSI	EP	02 51 3.9				490	266			
. 07	ASD	EP	02 51 7.5				519	260			
. 07	ASB	EP	02 51 8.2				526	260			
. 07	ASC	EP	02 51 8.7				528	261			
. 07	AND	EP	02 51 10.0				540	263			
. 07	ANA	EP	02 51 12.7				558	264			
. 07	RAT	EP	02 51 14.7				577	266			
. 07	CSA	EP	02 51 19.5				609	63			
. 07	SMY	EP	02 51 46.7				853	277			
. 07	GMA	EP	02 53 22.7				1601	21			
.....											
. 07	AMA	IP	08 00 17.7							WIND NOISE	
		IS	08 00 25.6								
. 07	ADK	EP	08 00 27.0								
		ES	08 00 42.0								
.....											
. 07	AMA	IP	08 19 18.2							WIND NOISE	
		IS	08 19 21.1								
.....											
. 07	ADK	EP	08 53 54.7								
		ES	08 54 21.1								
.....											
. 07	16 41 35.70	52.15 N 178.07 E DEPTH = 165.0 KM RAT ISLANDS, ALEUTIAN ISLANDS						TELESEISMIC SOLUTION			
. 07	RAT	IP C	16 41 58.3	18.4	.1	3.54	43	155	-.0		
. 07	ANA	IP	16 41 59.7				71	145	.2		
. 07	AND	IP	16 42 .6				89	137	.0		
		IS	16 42 16.0						-2.7		
. 07	ASC	IP	16 42 2.1				108	135	.3		
. 07	ASB	IP	16 42 2.8				120	137	.1		
		IS	16 42 20.4						-2.0		
. 07	ASD	IP	16 42 2.9				122	133	.1		
.....											

JAN 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
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08	1 15	43.86	51.22 N 178.63 E	DEPTH = 35.2 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
08	AND	IP D	01 15 53.0				44	31	.1	
08	ANA	IP D	01 15 53.2				45	3	.1	
08	ASB	IP C	01 15 53.2	264.4	.1	4.26	46	70	.0	
		IS	01 15 59.4						-.5	
08	ASC	IP	01 15 53.4				46	54	.2	
08	ASD	IP D	01 15 54.1				53	69	-.0	
08	RAT	IP	01 15 55.7				67	342	-.3	
08	SSI	IP C	01 16 .8				100	41	.1	
08	AMA	IP D	01 16 8.1				158	86	-.1	
		I	01 16 9.0							
08	ADK	EP	01 16 31.0				333	75	1.2	
		ES	01 17 5.8						2.5	

08	RAT	IP D	05 02 0.0							
08	ANA	IP	05 02 3.2							
08	AND	IP	05 02 5.6							
08	ASC	IP	05 02 8.1							
08	ASB	IP	05 02 10.1							
		ES	05 02 33.3							
08	ASD	IP	05 02 10.7							
08	SSI	IP	05 02 12.5							
08	ADK	EP	05 02 45.4							
		ES	05 03 39.4							

08	AMA	IP C	05 19 5.9	95.1	.1	3.98				
		I(S)	05 19 15.3							
08	ADK	EP	05 19 15.8							
		ES	05 19 37.7							
08	SSI	IP	05 19 20.4							
08	ASD	IP	05 19 31.4							
08	ADK	EP C	09 08 37.1							
		ES	09 09 3.1							
08	AMA	IP C	09 09 .3							
		E(S)	09 09 50.4							

08	9 15	21.05	51.33 N 179.48 W	DEPTH = 29.0 KM			FREE DEPTH SOLUTION			
DELAROF ISLANDS, ALEUTIAN ISLANDS										
08	AMA	IP C	09 15 27.5				26	99	.0	
08	ASD	IP	09 15 34.7				82	275	-.3	
08	SSI	IP	09 15 35.9				90	315	-.3	
08	ASB	IP	09 15 36.0				88	273	.1	
		IS	09 15 46.3						-.5	
08	ASC	IP	09 15 37.1				95	280	.2	
08	AND	IP D	09 15 39.2				112	284	-.2	
		IS	09 15 52.8						.1	
08	ANA	IP	09 15 43.0				133	285	.4	
08	RAT	IP	09 15 46.4	54.6	.1	3.99	160	290	.2	
		IS	09 16 6.0						1.5	

08	AMA	IP D	12 21 12.0							
		I(S)	12 21 15.6							
08	ASD	IP	12 21 24.7	5.5	.1					
08	SSI	IP	12 21 26.9							
08	ASC	IP	12 21 26.9							

JAN 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
08	14 42	.10	52.30 N 177.82 E	DEPTH = 217.0 KM			TELESEISMIC SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
08	RAT	IP	14 42 29.7				65	148	.0	
08	ANA	IP	14 42 31.1				94	142	.1	
08	AND	IP	14 42 31.7				113	136	-.3	
		IS	14 42 49.5						-5.8	
08	SSI	IP	14 42 32.9	73.1	.1	4.29	129	110	-.1	
08	ASC	EP	14 42 33.0				131	135	-.1	
08	ASB	IP	14 42 33.8	92.7	.1	4.40	143	136	-.2	
		IS	14 42 52.8						-5.9	
08	ASD	IP C	14 42 34.0				145	133	-.1	
08	AMA	IP	14 42 41.8				239	117	-.2	
08	14 45 29.50		47.37 N 154.35 E	DEPTH = 32.0 KM			TELESEISMIC SOLUTION			
KURIL ISLANDS										
08	ADK	EP	14 50 5.3				2139	66		MS5.2 D16.5
		ES	14 53 29.0							
		EL	14 54 55.0							
08	ADK	IP D	22 49 54.6							ML4.0 D0.9 FELT
		IS	22 50 6.9							
08	AMA	IP	22 50 16.2							POOR DUE TO
08	SSI	IP	22 50 29.1							WIND NOISE.
08	ASD	IP	22 50 29.8							
08	ASC	EP	22 50 31.5							
08	ASB	IP	22 50 31.7							
08	AND	EP	22 50 33.9							
		ES	22 51 19.7							
9	6 33	3.70	60.26 N 152.82 W	DEPTH = 90.0 KM			TELESEISMIC SOLUTION			
SOUTHERN ALASKA										
09	14 36	4.64	51.58 N 179.00 E	DEPTH = 50.0 KM			FIXED DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
09	AND	IPG	14 36 12.2				4	242	-.2	
		IS	14 36 17.2						-.8	
09	ASC	IPG	14 36 12.5				17	139	-.3	
		IS	14 36 17.9						-.8	
09	RAT	EPG	14 36 15.6	10.5	.1	2.95	53	298	-.1	
		IS	14 36 23.5						-.3	
09	20 11 41.40		50.94 N 178.01 E	DEPTH = 19.0 KM			TELESEISMIC SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
09	ANA	EP	20 11 56.6				89	30	.5	WHITE OUT
09	AND	IP C	20 11 57.1				96	43	-.0	
09	RAT	IP D	20 11 57.7				98	13	.1	
09	ASB	IP D	20 11 57.9	420.7	.2	4.38	98	61	.4	
		IS	20 12 7.0						-2.3	
09	ASC	IP	20 11 58.0				99	54	.3	
09	ASD	IP C	20 11 58.7				106	61	.0	WHITE OUT
09	SSI	IP C	20 12 5.5				153	45	-.2	

JAN 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
09	21 32	41.72	51.26 N 179.18 E	DEPTH = 39.4 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
09	ASD	EPG	21 32 48.4	4.9	.1	2.42	19	37	-.3	ODD LOCAL
09	ASB	EPG	21 32 48.5	4.7	.1	2.38	13	22	.1	QP
09	ASC	EPG	21 32 49.2				23	358	.1	
09	AND	IPG	21 32 50.6				38	336	.2	
09	SSI	IPG	21 32 55.4	7.5	.1	2.87	76	22	-.0	
		ES	21 33 5.4						.0	
09	RAT	IPG	21 32 56.5	6.1	.1	2.82	84	316	-.0	
		ES	21 33 7.1						-.2	
.....										
09	21 34	23.38	51.58 N 176.32 E	DEPTH = 75.0 KM			FIXED DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
09	RAT	IP D	21 34 44.9	76.8	.3	3.65	141	79	-.8	QS
		ES	21 34 58.9						-3.1	
09	ANA	EP	21 34 48.2				162	87	-.0	
		I(S)	21 35 5.5						-.8	
09	AND	EP	21 34 50.5				182	90	-.1	
09	ASC	EP	21 34 52.9				197	93	.4	
09	SSI	IP	21 34 56.7	13.8	.1		228	80	.6	
		I(S)	21 35 20.8						.7	
.....										
10	5 56	5.57	51.04 N 179.39 W	DEPTH = 29.1 KM			FREE DEPTH SOLUTION			
DELAROF ISLANDS, ALEUTIAN ISLANDS										
10	AMA	IP D	05 56 13.0				33	35	.2	LARGE AMP
		IS	05 56 17.9						-.2	
10	ASD	IP	05 56 21.4				97	294	-.3	
10	ASB	IP	05 56 22.2				102	291	-.2	
		ES	05 56 35.0						.3	
10	ASC	IP	05 56 23.9				111	295	.0	
10	SSI	IP C	05 56 24.8				118	323	-.1	
10	AND	EP	05 56 26.5				129	297	-.0	
10	ANA	EP	05 56 30.1				150	296	.6	
10	RAT	IP	05 56 33.1				179	299	.0	
.....										
10	AMA	IP D	05 56 46.1							
		IS	05 56 50.9							
.....										
10	7 3	54.87	51.22 N 177.80 E	DEPTH = 70.4 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
10	ANA	IP	07 04 9.5				75	53	-.2	
10	RAT	EP	07 04 9.8	12.3	.1	3.16	74	30	.2	
10	AND	IP	07 04 10.9				89	64	-.2	
10	ASD	EP	07 04 13.6				109	79	.3	
10	SSI	IP	07 04 17.4	7.1	.1	3.10	145	58	-.1	
		IS	07 04 34.1						.1	
.....										
10	7 17	3.70	3.13 S 139.70 E	DEPTH = 33.0 KM			MB = 7.3 MS = 8.1 TELESEISMIC SOLUTION			
WEST NEW GUINEA										
10	RAT	EP	07 27 35.7				7092	26		TELESEISMIC
10	ASD	EP	07 27 36.0				7109	26		
10	ANA	EP	07 27 36.1				7094	26		
10	SSI	EP	07 27 36.1				7160	26		
10	AND	EP	07 27 36.3				7103	26		
10	ASB	EP	07 27 36.4				7102	26		

JAN 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
10	16 54	19.60	3.33 S 139.97 E	DEPTH = 33.0 KM	MB = 5.3					TELESEISMIC SOLUTION
			WEST NEW GUINEA							
10	ADK	E	17 05 6.0				7353	28		
10	19 13	36.80	3.17 S 139.76 E	DEPTH = 33.0 KM	MB = 5.8	MS = 5.5				TELESEISMIC SOLUTION
			WEST NEW GUINEA							
10	ADK	EP	19 24 23.1				7348	28		
10	ADK	E	19 45 5.0							
10	21 12	19.28	51.42 N 178.79 E	DEPTH = 45.0 KM						FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
10	AND	IP C	21 12 26.9				19	35	-.1	
10	ANA	IP	21 12 27.4				25	338	.0	
10	ASC	IP	21 12 27.6				26	80	.1	
10	ASB	EP	21 12 28.0				32	102	.0	
		ES	21 12 34.2						-.1	
10	ASD	IP	21 12 28.6	5.2	.1	2.57	38	95	.0	
10	SSI	IP	21 12 32.8	8.8	.1	2.96	76	46	-.1	
		IS	21 12 43.0						.1	
10	21 25	21.58	51.73 N 179.77 W	DEPTH = 95.6 KM						FREE DEPTH SOLUTION
			DELAROF ISLANDS, ALEUTIAN ISLANDS							
10	SSI	IP C	21 25 36.4	79.8	.1	3.99	47	292	-.0	
10	ANA	IP	21 25 37.9				68	137	.0	
10	ASD	IP D	21 25 38.2				72	238	-.0	
10	ASB	IP	21 25 38.7				80	239	-.1	
		IS	21 25 51.3						-.1	
10	ASC	IP C	21 25 39.1				79	248	.3	
10	AND	IP C	21 25 39.7				90	258	-.1	
		IS	21 25 53.0						-.1	
10	ANA	IP	21 25 41.8				109	264	.2	
10	RAT	IP	21 25 43.6	54.6	.1	3.99	131	274	-.3	
		IS	21 26 .4						.3	
10	22 14	37.40	3.23 S 139.86 E	DEPTH = 30.0 KM	MB = 6.1	MS = 5.8				TELESEISMIC SOLUTION
			WEST NEW GUINEA							
10	ADK	E	22 25 24.2				7349	28		
11	1 55	37.80	52.46 N 169.52 W	DEPTH = 40.0 KM	MB = 4.5					TELESEISMIC SOLUTION
			FOX ISLANDS, ALEUTIAN ISLANDS							
11	ADK	EP	01 56 44.6				494	265		
		ES	01 57 53.7							
11	SSI	EP	01 57 19.1	25.1	.2		748	269		QP,QTAMP
11	ASD	EP	01 57 19.5	22.4	.2		775	266		REGIONAL
11	ASB	EP	01 57 20.5	48.4	.2		782	265		
11	ASC	EP	01 57 21.3				785	266		NO S OR L ARR.
11	AND	EP	01 57 22.8				797	267		
11	ANA	EP	01 57 25.2				816	268		
11	RAT	EP	01 57 27.5	19.6	.2		835	270		

JAN 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
11	6 26	26.20	51.14 N 177.15 E	DEPTH = 50.0 KM			FIXED DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
11	ASC	EP	06 26 48.3				145	75	-.0	
11	ASB	EP	06 26 48.6	2.9	.1	2.70	148	80	-.1	
		ES	06 27 5.2						.0	
11	ASD	EP	06 26 49.8	4.1	.1	2.86	155	79	.2	V.EMERGENT
11	6 46	47.46	51.01 N 178.61 E	DEPTH = 75.0 KM			FIXED DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
11	ASD	EP	06 47 1.4	3.5	.1	2.61	67	50	-.4	
11	ASB	EP	06 47 1.5	8.4	.1	2.97	59	49	.3	
		ES	06 47 11.2						.0	
11	ASC	EP	06 47 1.6				64	38	.1	
11	AND	EP	06 47 1.7				66	21	-.1	
11	9 54	50.00	2.68 S 139.49 E	DEPTH = 33.0 KM MB = 5.4			TELESEISMIC SOLUTION			
NEAR N. COAST OF WEST NEW GUINEA										
11	ADK	EP	10 04 54.7				7314	28		
		ES	10 05 7.4							
11	RAT	EP	15 59 13.6	319.2	.5					REG OR TELE
11	AND	EP	15 59 19.6							V.EMERGENT
		IP	15 59 22.3							
11	ASC	EP	15 59 24.4							
		IP	15 59 25.6							
11	17 25	26.88	50.73 N 178.77 E	DEPTH = 0.0 KM			FIXED DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
11	ASC	IP	17 25 42.7				87	19	.3	
		ES	17 25 53.8						.0	
11	AND	EP	17 25 43.0				94	8	-.6	
11	ANA	EP	17 25 44.8				101	356	.3	
11	17 49	54.60	51.20 N 178.89 E	DEPTH = 41.3 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
11	ASC	EPG	17 50 3.3				35	34	.0	
		ES	17 50 9.6						.0	
11	AND	IPG	17 50 3.7				40	7	-.1	
11	ANA	EPG	17 50 5.0				50	342	.1	
11	RAT	EPG	17 50 8.4	10.1	.1	3.01	77	330	.0	QP
11	18 23	35.47	51.21 N 179.71 E	DEPTH = 37.0 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
11	ASD	IPGC	18 23 43.5	44.7	.1	3.43	33	309	.0	
11	ASB	IPGD	18 23 43.8	13.7	.1	2.93	37	298	-.1	
		IS	18 23 49.6						-.4	
11	ASC	IPG	18 23 45.4				48	307	.2	
11	AND	IPGC	18 23 47.7				66	307	.1	
		ES	18 23 56.3						-.1	
11	AMA	I(P)	18 23 49.8	28.8	.2	3.18	83	83	-.1	
11	ANA	IP	18 23 50.6				87	303	.1	
11	RAT	EP	18 23 54.4	11.4	.1	3.20	116	305	-.1	QTAMP

JAN 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
10	ASC	EP	07 27 36.4				7106	26		
10	AMA	EP	07 27 39.6				7178	27		
10	ADK	EP	07 27 49.4				7348	28		ER0747315
		ES	07 36 31.5							
		EL	07 44 21.0							
10	ADK	EP	07 33 21.1							
		E	07 33 30.6							
10	7 37 46.15	51.47 N 179.28 E	DEPTH = 91.8 KM							FREE DEPTH SOLUTION
		RAT ISLANDS, ALEUTIAN ISLANDS								
10	ASD	EP	07 37 59.0	2.9	.1	2.49	10	154	-.1	
10	ASC	EP	07 37 59.1				8	266	.0	
		IS	07 38 8.7						.2	
10	ASB	EP	07 37 59.3	5.2	.1	2.74	12	191	.2	
		ES	07 38 8.4						-.2	
10	AND	EP	07 37 59.4				25	295	-.1	
10	7 46 12.80	60.71 N 151.97 W	DEPTH = 85.0 KM							TELESEISMIC SOLUTION
		SOUTHERN ALASKA								
10	7 43 47.10	2.97 S 139.73 E	DEPTH = 33.0 KM MB = 5.9							TELESEISMIC SOLUTION
		WEST NEW GUINEA								
10	ADK	EP	07 54 31.9				7330	28		
10	7 53 52.60	2.99 S 139.74 E	DEPTH = 33.0 KM MB = 5.6							TELESEISMIC SOLUTION
		WEST NEW GUINEA								
10	ADK	EP	08 04 37.4				7331	28		
10	8 44 32.60	3.15 S 139.74 E	DEPTH = 21.0 KM MB = 5.5							TELESEISMIC SOLUTION
		WEST NEW GUINEA								
10	ADK	EP	08 55 20.6				7347	28		
		E	08 57 41.3							
10	9 55 4.92	51.93 N 179.22 W	DEPTH = 23.8 KM							FREE DEPTH SOLUTION
		DELAROF ISLANDS, ALEUTIAN ISLANDS								
10	AMA	IP	09 55 17.3	10.5	.1	2.97	72	174	.0	
		IS	09 55 26.2						-.1	
10	SSI	IP	09 55 18.7	8.0	.1	2.90	82	267	.0	
		IS	09 55 28.7						.0	
10	ASD	IP	09 55 23.7				116	239	-.1	
10	ASB	IP	09 55 24.8				123	240	-.1	
		IS	09 55 39.5						.0	
10	ASC	EP	09 55 25.5				123	245	.6	
10	AND	EP	09 55 25.8				132	253	-.5	
10	RAT	EP	09 55 31.6				169	266	.0	

JAN 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
10	10 45	6.80	2.98 S	139.62 E	DEPTH =	36.0 KM	MB = 6.1			TELESEISMIC SOLUTION
			WEST NEW GUINEA							
10	ADK E	10 55 55.6				7336	28			
10	13 18	1.07	51.84 N	179.61 E	DEPTH =	109.7 KM				FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
10	SSI EP	13 18 16.2				6	348		.0	
10	ASD EP	13 18 17.5				53	200		-.3	
10	ASC EP	13 18 17.8				52	216		.1	
10	AND EP	13 18 17.8				55	236		-.1	
10	ASB EP	13 18 18.4				59	205		.3	
	ES	13 18 30.6							.0	
10	14 29	56.30	3.17 S	139.76 E	DEPTH =	28.0 KM	MB = 5.8		MS = 5.9	TELESEISMIC SOLUTION
			WEST NEW GUINEA							
10	ADK E	14 40 42.8				7348	28			
10	ADK EP	15 12 23.5								
	ES	15 12 49.8								
10	16 7	45.90	3.11 S	139.81 E	DEPTH =	33.0 KM	MB = 5.7		MS = 5.7	TELESEISMIC SOLUTION
			WEST NEW GUINEA							
10	ADK E	16 18 33.1				7340	28			
10	16 38	36.00	3.43 S	139.98 E	DEPTH =	27.0 KM	MB = 5.5		MS = 6.0	TELESEISMIC SOLUTION
			WEST NEW GUINEA							
10	ADK EP	16 49 22.2				7362	28			
10	16 58	19.45	51.67 N	179.61 W	DEPTH =	25.3 KM				FREE DEPTH SOLUTION
			DELAROF ISLANDS, ALEUTIAN ISLANDS							
10	AMA IP	16 58 29.2				55	140		-.1	
10	SSI IP	16 58 30.2		53.2	.1	3.62	61	295	.1	
	IS	16 58 37.9							-.0	
10	ASD IP	16 58 32.9				79	248		.1	
10	ASB IP	16 58 33.8				86	247		-.1	
	IS	16 58 44.2							-.2	
10	ASC IP	16 58 34.6				88	256		.5	
10	AND EP	16 58 35.8				100	264		-.2	
10	RAT EP	16 58 42.2				143	277		-.2	
10	17 0	54.10	51.30 N	178.99 E	DEPTH =	49.0 KM				FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
10	ASB IP	17 01 2.2		7.3	.1	2.67	19	70	-.0	
	IS	17 01 8.1							-.0	
10	ASD IP D	17 01 2.6				26	68		-.1	
10	ASC IP D	17 01 2.6				21	34		.2	
10	AND IP C	17 01 2.8				29	354		-.1	
	IS	17 01 9.3							-.0	
10	SSI IP	17 01 8.0				77	32		.0	

JAN 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
11	19 42 51.32		52.31 N 176.90 E			DEPTH = 97.7 KM				FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
11	RAT	EP	19 43 12.0	91.7	.2	3.88	114	120	.1	
		ES	19 43 27.0						.0	
11	ANA	EP	19 43 15.0				143	122	-.1	
11	AND	EP	19 43 17.2				164	120	-.2	
11	ASC	EP	19 43 19.6				182	120	.2	
11	RAT	IP	20 24 3.9	81.0	.1	4.02				
		ES	20 24 16.4							
11	ANA	EP	20 24 6.7							
11	AND	EP	20 24 8.5							
11	ASC	EP	20 24 11.0							
12	0 56 40.18		51.73 N 179.85 W			DEPTH = 50.0 KM				FIXED DEPTH SOLUTION
			DELAROF ISLANDS, ALEUTIAN ISLANDS							
12	ASD	IP	00 56 52.9				68	236	-.1	BRUSH RECORD
		IS	00 57 2.4						.1	
12	ASB	EP	00 56 53.8				75	237	-.1	
12	ASC	IP	00 56 54.0				75	247	.2	
12	AND	IP	00 56 55.0				85	258	-.0	
		IS	00 57 5.8						-.1	
12	ASD	EP	16 33 43.3							
12	AND	EP	16 33 43.8							
12	ASC	EP	16 33 43.9							
12	ASB	EP	16 33 44.0							
12	ANA	EP	16 33 44.5							
12	17 7 11.20		51.80 N 179.93 E			DEPTH = 25.0 KM				FIXED DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
12	ASD	IP D	17 07 21.8	11.5	.1	2.95	61	222	-.1	
12	ASC	IP	17 07 22.6				65	235	.2	
12	ASB	IP	17 07 22.9	17.8	.1	3.18	68	225	.0	
		IS	17 07 31.4						-.0	
12	AND	IP	17 07 23.5				72	249	-.1	
13	1 35 58.43		51.63 N 179.83 E			DEPTH = 77.1 KM				FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
13	ASD	IP D	01 36 11.0	9.5	.1	2.99	43	232	-.1	
		IS	01 36 20.3						-.0	
13	ASB	IP	01 36 11.6				51	234	-.0	
		ES	01 36 21.2						-.0	
13	ASC	IP	01 36 11.7				50	248	.1	
13	AND	IP	01 36 12.4				61	263	-.1	
13	5 19 53.00		60.07 N 153.06 W			DEPTH = 88.0 KM MB = 3.8				TELESEISMIC SOLUTION
			SOUTHERN ALASKA							

JAN 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
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13	9 12 25.40	51.49 N 178.73 E DEPTH = 61.0 KM					TELESEISMIC SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
13	AND	IP	09 12 34.9				17	63	.1	
13	ANA	EP	09 12 34.9				16	341	.1	
13	ASC	IP	09 12 35.6				30	96	.1	
13	ASB	IP C	09 12 36.1	7.7	.1	2.82	39	112	.0	
		ES	09 12 44.0						.1	
13	ASD	IP	09 12 36.6	9.8	.1	2.94	44	105	.1	
		IS	09 12 44.6						-.0	
13	RAT	IP	09 12 36.6	19.9	.1	3.25	44	321	.1	
		IS	09 12 44.4						-.3	

13	20 19 9.60	51.21 N 178.72 E DEPTH = 42.0 KM					TELESEISMIC SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
13	AND	IP C	20 19 18.7				42	22	-.4	LARGE AMP
13	ASB	IP C	20 19 18.7				40	66	-.2	
		IS	20 19 25.1						-.5	
13	ASC	IP	20 19 18.9				41	48	-.1	
13	ASD	IP D	20 19 19.4				47	65	-.3	
13	ANA	IP C	20 19 19.5				46	355	-.1	
13	RAT	IP	20 19 22.1				71	337	-.6	
		IS	20 19 30.6						-1.6	
13	SSI	IP	20 19 25.5	57.6	.1	3.84	96	38	-.7	
13	AMA	IP	20 19 32.5	28.8	.2	3.40	151	86	-1.7	

13	ADK	EP	23 47 47.0							
		ES	23 48 12.2							

14	ADK	EP	03 12 34.0							
		ES	03 12 47.0							

14	4 21 13.30	56.00 N 163.02 E DEPTH = 45.0 KM MB = 4.7 MS = 4.9					TELESEISMIC SOLUTION			
NEAR EAST COAST OF KAMCHATKA										

14	9 6 58.20	51.10 N 178.05 E DEPTH = 6.0 KM					TELESEISMIC SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
14	ANA	IP	09 07 12.0				72	36	1.0	
14	AND	IP D	09 07 12.4				81	50	.1	
14	RAT	EP	09 07 12.6				80	14	.4	
		ES	09 07 23.1						.8	
14	ASC	EP	09 07 14.0				87	62	.8	
14	ASB	IP C	09 07 14.1	36.6	.1	3.57	88	70	.7	
		IS	09 07 25.9						1.5	
14	ASD	IP	09 07 14.9	8.5	.1	2.97	95	70	.4	
		ES	09 07 27.3						1.0	
14	SSI	EP	09 07 22.0	52.3	.1	3.91	138	50	1.1	

14	ADK	EP	10 31 7.7							
		ES	10 31 33.9							
14	AMA	EP	10 31 28.4	9.5	.2					
14	SSI	E(P)	10 31 29.1	2.7	.1					
14	ASD	IP	10 31 39.3	10.4	.1					
14	ASB	IP	10 31 39.5	25.9	.2					
		E(S)	10 32 27.6							
14	ASC	EP	10 31 40.4							
14	ANA	EP	10 31 41.9							

REGIONAL

JAN 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
14	14 49	6.12	51.14 N 178.62 E	DEPTH = 25.0 KM			FIXED DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
14	ASB	IPGC	14 49 15.3	137.5	.1	3.97	50	60	-.0	
		ES	14 49 21.2						-.8	
14	ANA	IPG	14 49 15.3				55	3	-.7	
14	ASD	IPGD	14 49 15.7				58	60	-.7	
14	ASC	EPG	14 49 16.8				52	46	1.2	
14	SSI	EP	14 49 24.4				108	38	.6	
		ES	14 49 36.8						.2	
.....										
14	ADK	EP	20 45 24.1							
		ES	20 45 31.0							
14	ADK	EP	21 29 11.0							
		ES	21 29 37.4							
14	ANA	EP	21 29 31.0	87.8	.2					
		ES	21 30 10.7							
14	ASD	EP	21 29 41.8	14.3	.1					
		ES	21 30 29.2							
14	ASB	EP	21 29 42.2	26.7	.1					
		ES	21 30 30.3							
14	ASC	EP	21 29 42.4							QP
14	AND	EP	21 29 44.0							
14	RAT	E(P)	21 29 49.0	12.2	.1					
14	ADK	EP	22 48 48.3							
		ES	22 48 57.5							
.....										
15	2 43	46.09	50.41 N 177.38 E	DEPTH = 0.0 KM			FIXED DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
15	ANA	IP	02 44 13.3				162	33	.2	
15	RAT	IP	02 44 13.6	11.9	.1	3.34	168	23	-.3	
15	ASB	IP	02 44 14.0	24.1	.2	3.35	168	51	.0	
		ES	02 44 34.1						-.2	
15	AND	IP	02 44 14.4				169	40	.3	
15	ASD	IP	02 44 14.8				175	51	-.3	
15	SSI	IP	02 44 22.4				225	42	.0	
		IS	02 44 49.1						.2	
.....										
15	5 3	9.50	51.90 N 178.44 E	DEPTH = 98.0 KM			TELESEISMIC SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
15	RAT	IP D	05 03 23.3	39.7	.1	3.65	13	215	.0	
		IS	05 03 33.5						.2	
15	ANA	IP C	05 03 24.1				34	153	.2	
15	AND	IP	05 03 24.8				51	136	-.1	
		IS	05 03 36.2						.1	
15	SSI	EP	05 03 27.0				79	90	.1	
		IS	05 03 40.0						.4	
15	ASB	IP	05 03 27.2	12.7	.1	3.26	82	136	.0	
		IS	05 03 39.5						-.5	
15	ASD	IP	05 03 27.4	9.0	.1	3.11	84	132	.0	
.....										
15	ANA	IP	06 42 4.5	13.8	.1	2.89				
		ES	06 42 9.5							
15	SSI	IP	06 42 15.5	7.3	.1	3.02				
		IS	06 42 29.4							
15	ADK	EP	07 43 40.3							
		ES	07 43 49.2							

JAN 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
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15	RAT	IP D	08 15 41.1							
		I	08 16 10.9							
15	SSI	IP C	08 15 46.5							

15	9 36 12.76	51.92 N 178.02 E	DEPTH = 138.4 KM	FREE DEPTH SOLUTION
		RAT ISLANDS, ALEUTIAN ISLANDS		

15	RAT	IP D	09 36 31.8	21.9	.1	3.53	25	122	.1
		IS	09 36 45.1						-.4
15	ANA	IP C	09 36 33.1				55	126	.3
		IS	09 36 47.4						.0
15	AND	EP C	09 36 33.9				75	121	-.0
15	SSI	IP	09 36 35.7	4.4	.1	2.92	107	91	-.5
		IS	09 36 54.0						.6
15	ASD	EP C	09 36 36.4				108	122	.1
		ES	09 36 53.2						-.3

15	9 51 28.17	52.32 N 179.85 E	DEPTH = 163.2 KM	FREE DEPTH SOLUTION
		RAT ISLANDS, ALEUTIAN ISLANDS		

15	AND	IP C	09 51 53.8				105	216	-.1
15	ASD	IP	09 51 54.0				109	199	-.2
		ES	09 52 13.2						-.0
15	ASC	IP	09 51 54.3				107	206	.3
15	ANA	IP	09 51 54.4				112	227	-.0
15	ASB	IP	09 51 54.6				115	201	-.0
15	RAT	IP C	09 51 54.9	24.8	.1	3.73	119	241	-.0

15	SSI	IP	11 16 28.5	4.6	.1	1.99			
		IS	11 16 30.2						

15	11 51 24.87	51.43 N 178.79 E	DEPTH = 44.1 KM	FREE DEPTH SOLUTION
		RAT ISLANDS, ALEUTIAN ISLANDS		

15	AND	IP D	11 51 32.6				19	37	.1
15	ANA	IP C	11 51 33.1				24	338	.3
15	ASC	EP	11 51 33.2				26	82	.2
15	ASB	IP	11 51 33.4	16.2	.1	3.03	33	103	-.2
		IS	11 51 39.7						-.2
15	ASD	IP	11 51 34.2	10.6	.1	2.88	39	96	.1
		IS	11 51 40.5						-.4
15	RAT	IP	11 51 35.3	20.2	.1	3.21	52	323	-.3
		ES	11 51 43.2						-.2
15	SSI	IP	11 51 38.7				76	47	.2
		IS	11 51 48.2						-.2

15	13 41 39.30	64.07 N 148.24 W	DEPTH = 118.0 KM MB = 3.5	TELESEISMIC SOLUTION
		CENTRAL ALASKA		

15	14 6 23.68	51.26 N 178.20 W	DEPTH = 31.0 KM	FREE DEPTH SOLUTION
		ANDREANOF ISLANDS, ALEUTIAN ISLANDS		

15	AMA	IP D	14 06 35.2	28.1	.1	3.37	63	274	.2
		ES	14 06 43.1						-.2
15	ADK	EP	14 06 45.0				126	56	.7
		ES	14 06 59.6						.4
15	ASD	EP	14 06 49.0				172	276	-1.1
15	SSI	IP	14 06 49.8				169	296	.1
		ES	14 07 8.2						-.5

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JAN 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
. 15	ASB	EP	14 06 50.9				178	275	.1	POOR S
.		ES	14 07 11.3						.6	
. 15	ASC	EP	14 06 51.3				184	278	-.4	
. 15	AND	EP	14 06 53.8				200	281	.2	
. 15	ANA	EP	14 06 56.4				222	282	.2	
. 15	RAT	IP	14 07 .1				248	285	.6	
.....										
. 15	16 31 26.50	50.25 N 177.31 E DEPTH = 33.0 KM					TELESEISMIC SOLUTION			
.	RAT ISLANDS, ALEUTIAN ISLANDS									
. 15	ANA	EP	16 31 53.0				180	31	-.8	
. 15	AND	IP	16 31 53.6				186	38	-.9	
. 15	ASB	IP	16 31 53.6	17.5	.2	3.25	184	47	-.6	
.		ES	16 32 12.5						-2.0	
. 15	RAT	IP	16 31 54.0				187	22	-.6	
.		ES	16 32 13.6						-1.5	
. 15	ASC	IP	16 31 54.0				188	43	-.7	
. 15	ASD	IP	16 31 54.4	20.0	.2	3.32	191	48	-.7	
. 15	SSI	IP	16 32 2.0	30.9	.2		243	40	.5	
. 15	AMA	EP	16 32 5.8				277	64	.0	
.....										
. 15	17 52 5.40	51.88 N 179.54 W DEPTH = 114.0 KM					TELESEISMIC SOLUTION			
.	DELAROF ISLANDS, ALEUTIAN ISLANDS									
. 15	SSI	IP	17 52 23.2				60	271	.2	
. 15	AMA	IP	17 52 24.1	43.2	.2	3.51	73	156	.2	
.		ES	17 52 37.9						.6	
. 15	ASD	IP C	17 52 25.7	80.1	.2	3.82	95	235	.1	
.		IS	17 52 40.9						.5	
. 15	ASB	IP	17 52 26.3	100.1	.2	3.93	102	236	.1	
.		IS	17 52 41.6						.1	
. 15	ASC	IP	17 52 26.5				101	243	.4	
. 15	AND	IP D	17 52 27.1				110	252	.2	
. 15	ANA	EP	17 52 28.9				127	258	.3	
. 15	RAT	IP	17 52 30.7				147	267	.1	
.....										
. 15	21 47 2.50	68.44 N 143.36 W DEPTH = 33.0 KM					TELESEISMIC SOLUTION			
.	ALASKA									
.....										
. 15	22 48 2.68	51.14 N 179.68 E DEPTH = 35.5 KM					FREE DEPTH SOLUTION			
.	RAT ISLANDS, ALEUTIAN ISLANDS									
. 15	ASD	IP C	22 48 10.7	6.2	.1	2.58	36	319	-.2	
.		IS	22 48 16.7						-.1	
. 15	ASB	IP C	22 48 11.1	7.7	.2	2.39	39	309	-.0	
.		ES	22 48 17.5						.2	
. 15	ASC	IP C	22 48 12.7				51	315	.1	
. 15	AND	IP C	22 48 15.0				69	313	-.1	
.		IS	22 48 24.2						.1	
. 15	SSI	IP	22 48 17.4				84	356	.2	
.		IS	22 48 27.5						-.2	
. 15	ANA	EP	22 48 18.0				89	308	.1	
. 15	RAT	IP	22 48 22.1				119	308	-.1	

JAN 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
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16	0 47	33.34	51.16 N 177.94 W	DEPTH = 0.0 KM		FIXED DEPTH SOLUTION				
ANDREANOF ISLANDS, ALEUTIANS ISLANDS										
16	AMA	IPGD	00 47 49.1	59.2	.1	3.76	83	281	.8	
		IS	00 47 59.1						-.1	
16	ADK	IP	00 47 54.7				119	47	.9	
		IS	00 48 9.8						1.1	
16	ASD	EP	00 48 3.7	5.7	.1	3.07	191	279	-1.0	
16	SSI	EPN	00 48 4.5	11.5	.1	3.37	190	297	-.0	
		IPGE	00 48 5.6							
16	ASB	EP	00 48 5.1	6.1	.1	3.11	197	278	-.5	
		E(S)	00 48 29.3						.1	
16	ASC	EP	00 48 6.9				204	281	.2	
16	AND	EP	00 48 8.8				221	283	-.3	
16	ANA	EP	00 48 12.1				242	284	.4	
16	RAT	EP	00 48 15.3	13.9	.1		268	287	.4	

16	AMA	IP	01 10 21.5	32.6	.2					
16	ASD	EP	01 10 31.7	5.7	.1					
16	ASB	EP	01 10 32.3	2.8	.1					
16	ASC	EP	01 10 32.7							
16	AND	EP	01 10 34.8							
16	ANA	EP	01 10 35.9							
ALL STA VERY EMERGENT POSS.REGIONAL NO S ARRIVALS										
16	ADK	EP	01 33 16.8							
16	ASD	EP	01 33 30.6							
16	ASB	EP	01 33 30.9	20.0	.4					
16	ASC	EP	01 33 31.3							
16	AND	EP	01 33 31.5							
16	ANA	EP	01 33 32.9							
TELE										

16	2 27	56.59	50.67 N 179.08 W	DEPTH = 20.9 KM		FREE DEPTH SOLUTION				
DELAROF ISLANDS, ALEUTIAN ISLANDS										
16	AMA	IPGD	02 28 8.8	43.2	.2	3.26	69	358	.4	
		E(S)	02 28 16.6						-.4	
16	ASD	EP	02 28 18.6	6.4	.2	2.70	137	307	.0	
16	ASB	EP	02 28 19.2	5.3	.2	2.62	140	304	.1	
		E(S)	02 28 36.0						.5	
16	ASC	EP	02 28 20.8				152	306	-.0	
16	SSI	EP	02 28 22.8	11.8	.1	3.33	165	326	-.0	
16	AND	EP	02 28 23.1				170	307	-.5	
16	RAT	EP	02 28 29.9	10.6	.2		220	306	.0	

16	AMA	IPGC	03 29 26.8	8.1	.1	2.33				
		ES	03 29 29.0							
16	SSI	EP	03 29 44.0	3.5	.1					
16	AMA	IPGD	03 53 51.2	62.7	.1	3.24				
		IS	03 53 53.5							
16	ASD	EP	03 54 7.0	4.5	.1	2.80				
		IS	03 54 20.9							
16	ASB	EP	03 54 8.0	5.7	.1	2.93				
		IS	03 54 22.8							
16	SSI	IP C	03 54 8.2	36.9	.2					
16	ASC	EP	03 54 9.3							
16	AND	EP	03 54 12.0							
16	ANA	EP	03 54 15.6							
16	RAT	IP	03 54 18.3	8.1	.1					
16	AMA	IPGD	04 14 51.6	15.1	.1	2.62				
		IS	04 14 53.9							
16	ASB	EP	04 15 8.2							
		ES	04 15 23.1							
16	ASC	EP	04 15 8.4							
V.NEAR AMA										
QP										

JAN 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
16	SSI	IP D	04 15 8.6	7.8	.1	3.07				
		ES	04 15 23.3							
16	5 47	2.43	50.76 N 176.53 E	DEPTH =	0.0 KM					FIXED DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
16	RAT	EP	05 47 30.3	5.5	.1	3.01	171	47	-.4	
		ES	05 47 55.2						3.9	
16	ANA	E(P)	05 47 32.3				177	56	.6	QP
16	ASB	EP	05 47 35.1	1.0	.1		202	70	-.3	
16	SSI	EP	05 47 41.5	7.1	.1		247	58	.1	
16	RAT	EP	06 58 54.8	8.4	.1					
16	ANA	E(P)	06 58 57.2							
16	SSI	EP	06 59 6.1	4.5	.1					
16	RAT	IP C	09 27 53.9	617.3	.2	4.67				
		E(S)	09 28 8.7							
16	ANA	EPN	09 27 57.0							
		EPG	09 27 57.8							
		E(S)	09 28 15.9							
16	AND	EPN	09 27 59.8							
16	ASC	EPN	09 28 1.9							
16	ASB	EPN	09 28 2.9	19.4	.2					
		ES	09 28 25.2							
16	ASD	EPN	09 28 3.4	24.2	.2					
16	SSI	IP	09 28 5.5	12.0	.1					
16	ANA	IP	09 28 6.5	5.2	.1					
16	10 3	9.23	52.61 N 178.55 E	DEPTH =	189.7 KM					FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
16	RAT	EP	10 03 36.9	2.7	.1	2.78	91	190	.0	
		ES	10 03 57.1						.0	
16	SSI	EP	10 03 37.8	5.9	.1	3.14	106	138	.0	
16	ANA	EP	10 03 38.0				109	176	.0	
16	11 9	15.70	50.83 N 178.86 E	DEPTH =	25.0 KM					FIXED DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
16	ASB	EPG	11 09 27.2				65	24	.2	
		ES	11 09 35.3						.1	
16	ASD	EPG	11 09 28.0	.8	.1	1.87	71	28	.1	V.SM, EMERGENT
		ES	11 09 36.9						.2	
16	ASC	EPG	11 09 28.0				73	17	-.3	
16	ANA	EPG	11 09 28.3				90	351	-2.4	
16	RAT	EP	11 09 35.8				114	341	1.5	
16	11 47	15.86	51.36 N 179.96 E	DEPTH =	61.7 KM					FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
16	ASD	IPG	11 47 26.8	8.4	.1	2.87	43	276	-.2	
		IS	11 47 35.2						.1	
16	ASB	IPG	11 47 27.4	6.9	.1	2.80	49	271	-.1	
		ES	11 47 36.0						-.0	
16	ASC	EPG	11 47 28.3				56	283	.1	
16	SSI	IPG	11 47 28.9	8.4	.1	2.94	65	337	-.1	
16	ANA	IPGC	11 47 29.2	8.6	.1	2.95	65	96	.1	
16	ANA	EP	11 47 32.2				95	289	-.1	
16	RAT	IP	11 47 35.6	5.5	.1	2.93	123	294	-.0	
		IS	11 47 50.4						.4	

JAN 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
16	12 56	39.42	51.22 N 178.44 E	DEPTH = 12.1 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
16	ANA	IPGD	12 56 48.4				48	18	.5	
16	AND	EPG	12 56 48.7				52	43	.2	
16	ASB	EPG	12 56 49.4				58	74	-.0	
		IS	12 56 56.3						-.4	
16	ASC	EPG	12 56 49.5				57	61	.2	QP
16	RAT	IPGD	12 56 50.1	54.6	.1	3.63	65	353	-.4	
		IS	12 56 58.2						-.3	
16	ASD	EPG	12 56 50.2				65	73	-.3	
16	SSI	IPGD	12 56 57.3	23.7	.1	3.47	109	46	.1	QTAMP
.....										
16	AMA	IP D	13 50 11.5	28.3	.2					
16	ASD	EP	13 50 21.1	1.3	.1	2.19				POOR, EMERGENT
16	ASB	EP	13 50 22.0	3.7	.2	2.38				
		E(S)	13 50 34.6							
16	ASC	EP	13 50 23.2							
16	SSI	EP	13 50 24.3	4.5	.1					
16	AMA	IPGD	16 50 6.1	22.4	.2	2.81				
		ES	16 50 11.2							
16	SSI	EP	16 50 18.5	3.1	.1					
16	RAT	EP	18 55 23.8	3.3	.1	2.52				
		ES	18 55 33.2							
.....										
16	19 49	56.77	51.36 N 178.72 E	DEPTH = 45.9 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
16	AND	EPG	19 50 5.4				27	36	.3	
16	ASC	EPG	19 50 5.7				33	70	.1	
16	ASB	EPG	19 50 6.0	2.1	.1	2.17	37	90	.1	QS
		ES	19 50 12.2						-.4	
16	ASD	EPG	19 50 6.6	2.0	.1	2.17	43	86	-.0	
16	RAT	IP	19 50 7.8	6.9	.1	2.77	56	331	-.2	
16	SSI	EP	19 50 11.4	3.3	.1	2.56	84	45	-.0	
.....										
16	21 18	21.41	51.71 N 178.50 E	DEPTH = 23.0 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
16	RAT	IPGD	21 18 26.0	14.0	.1	2.70	15	310	-.0	
		IS	21 18 29.1						-.3	
16	ANA	IPGC	21 18 26.2				15	130	.2	
		ES	21 18 29.6						.3	
16	AND	IPGC	21 18 28.3				36	117	-.1	
		ES	21 18 33.2						-.4	
16	ASD	EPG	21 18 33.2				69	121	.0	
		ES	21 18 41.6						-.1	
16	SSI	EPG	21 18 34.7	5.6	.1	2.73	78	75	.1	
		IS	21 18 44.1						-.0	
.....										
16	23 50	41.16	52.04 N 178.10 E	DEPTH = 143.8 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
16	RAT	IP	23 51 .7	10.8	.1	3.24	31	150	-.2	
		IS	23 51 15.0						-.3	
16	ANA	EP	23 51 2.3				60	140	.2	
		ES	23 51 18.0						.7	
16	AND	EP	23 51 3.0				79	132	-.2	
16	SSI	EP	23 51 4.9	3.6	.1	2.84	103	99	.1	
16	ASD	EP	23 51 5.6	1.5	.1	2.48	112	130	.1	

JAN 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
		ES	23 51 22.9						-0.4	
17	SSI	IP	02 03 21.1	39.0	.1	3.21				
		IS	02 03 24.7							
17	ASD	IP	02 03 25.0	5.7	.1	2.63				
	ASC	IP	02 03 25.8							
17	ASB	IP	02 03 26.3							
	ES		02 03 34.0							
17	2 31	20.68	51.43 N 179.42 E	DEPTH = 23.5 KM						FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
17	ASD	IP	02 31 24.7				7	232	-0.1	
	ES		02 31 27.8						.1	
17	ASB	IP	02 31 25.3				14	238	.1	
	ES		02 31 28.5						-0.1	
17	ASC	IP	02 31 25.6				18	282	-0.0	
17	5 33	8.87	50.87 N 179.16 W	DEPTH = 75.0 KM						FIXED DEPTH SOLUTION
			DEAROF ISLANDS, ALEUTIAN ISLANDS							
17	AMA	IP	05 33 17.2				47	4	-4.3	
	IS		05 33 21.8						-9.0	
17	ASD	EP	05 33 27.8	23.7	.1	3.57	120	299	-1.0	
	I		05 33 29.1							
17	ASB	EP	05 33 29.2	14.2	.1	3.36	124	297	-0.1	
	IS		05 33 44.2						.0	
17	ASC	EP	05 33 30.1				134	300	-0.4	
17	SSI	IP	05 33 30.8				143	323	-0.7	
	IS		05 33 46.0						-2.0	
17	AND	IP	05 33 33.7				153	301	1.1	
17	ANA	EP	05 33 36.5				174	300	1.4	
17	ADK	EP	05 33 39.5				205	56	.6	
	ES		05 34 3.4						2.6	
17	RAT	EP	05 33 39.3				203	301	.7	
15	AMA	IP D	09 15 18.9	45.4	.1	3.67				
	IS		09 15 28.6							
15	SSI	IP D	09 15 32.3							
15	ASD	IP	09 15 33.4	14.0	.2	3.13				
	IS		09 15 53.0							
15	ASB	IP	09 15 34.2	4.3	.1	2.93				
15	ASC	EP	09 15 35.5							
15	AND	EP	09 15 36.7							
15	ANA	EP	09 15 39.6							
15	RAT	IP D	09 15 42.8	15.0	.1					
17	ADK	EP	12 01 8.7							
17	AMA	IP	12 01 43.2							
	IS		12 02 38.7							
17	ASD	EP	12 01 53.9	4.8	.1					VERY EMERGENT
	ES		12 03 1.2							
17	ASB	EP	12 01 55.3							
17	AMA	IP	13 53 2.6	5.0	.1					
	I		13 53 7.5							
17	SSI	EP	13 53 18.6							
	IS		13 53 34.5							

JAN 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
17	17	1	52.40	51.06 N	177.87 W	DEPTH = 14.0 KM				TELESEISMIC SOLUTION
				ANDREANOF ISLANDS, ALEUTIANS ISLANDS						
17	AMA	IP C	17 02 7.7	30.9	.1	3.51	90	287	.5	
		IS	17 02 16.1						-1.9	
17	ADK	EP	17 02 13.7				123	42	1.4	
		ES	17 02 26.9						.2	
17	ASD	EP	17 02 22.7	4.3	.1	2.97	198	282	-.8	
17	SSI	IP	17 02 22.9	17.1	.1	3.57	199	299	-.7	
		I	17 02 45.9							
17	ASB	EP	17 02 23.3	6.2	.1		204	280	-.9	
		ES	17 02 47.4						-.0	
17	ASC	EP	17 02 25.0				211	283	-.2	
17	AND	EP	17 02 27.0				228	285	-.2	
.....										
17	AMA	IP C	19 47 55.9	25.5	.1	3.21				
		IS	19 48 1.7							
17	ASD	EP D	19 48 3.5							
17	ASB	EP	19 48 4.4							
		I(S)	19 48 17.2							
17	ASC	EP	19 48 5.8							
17	SSI	IP C	19 48 7.1							
		IS	19 48 21.6							
17	AND	EP	19 48 8.1							
17	AMA	IP D	20 56 7.2	11.1	.2					
17	ASD	EP	20 56 22.2							
17	ASB	IP C	20 56 23.3	7.7	.2	2.84				
		IS	20 56 41.3							
17	ASC	EP	20 56 24.2							
		IS	20 56 43.3							
17	SSI	IP	20 56 35.4							
17	AMA	IP C	22 17 2.7	19.4	.2	2.80				
		IS	22 17 8.6							
17	SSI	IP D	22 17 14.0	5.3	.1	2.89				
		IS	22 17 28.5							
.....										
17	23	56	56.51	51.83 N	178.67 E	DEPTH = 103.5 KM				FREE DEPTH SOLUTION
				RAT ISLANDS, ALEUTIAN ISLANDS						
17	ANA	EP	23 57 11.2				23	181	.0	
17	AND	IP	23 57 11.6				36	147	-.0	
		ES	23 57 22.7						.0	
17	ASB	EP	23 57 13.4				66	142	-.0	
17	ASD	EP	23 57 13.6				68	136	.0	
.....										
18	0	3	31.60	.98 N	125.83 E	DEPTH = 33.0 KM MB = 5.4				TELESEISMIC SOLUTION
				MOLUCCA PASSAGE						
18	ADK	EP	00 14 39.7				7754	34		
.....										
18	0	57	38.14	51.74 N	179.57 E	DEPTH = 185.6 KM				FREE DEPTH SOLUTION
				RAT ISLANDS, ALEUTIAN ISLANDS						
18	ASD	IP C	00 58 3.1	14.4	.1	3.47	42	202	-.1	
		IS	00 58 21.4						-.1	
18	AND	IP D	00 58 3.1				47	245	-.3	
18	ASC	IP D	00 58 3.4				42	222	.2	
		IS	00 58 21.8						.3	
18	ASB	IP C	00 58 3.5	35.6	.1	3.87	48	208	.1	
		IS	00 58 21.6						-.2	

JAN 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
. 18	ANA	EP C	00 58 4.0				64	259	.0	
. 18	2 42 55.66	51.48 N 179.26 E	DEPTH = 36.6 KM							FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
. 18	ASD	IP C	02 43 1.7	17.1	.1	2.91	11	148	-.1	
. 18	ASB	IP	02 43 1.8	20.6	.1	2.99	13	184	-.1	
		IS	02 43 6.1						-.4	
. 18	ASC	IP	02 43 1.9				7	258	.2	
		IS	02 43 6.3						.3	
. 18	AND	IP	02 43 2.9				23	295	.2	
. 18	ANA	IP	02 43 5.0				45	292	.1	
. 18	SSI	IP	02 43 6.2	8.3	.1	2.80	52	26	.4	
		IS	02 43 12.7						-.5	
. 18	RAT	IP	02 43 8.4				74	300	-.4	
. 18	5 52 21.50	1.06 N 125.91 E	DEPTH = 33.0 KM MB = 5.7							TELESEISMIC SOLUTION
			MOLUCCA PASSAGE							
. 18	ADK	EP	06 03 30.0				7742	34		
. 18	6 53 13.30	54.27 N 163.97 W	DEPTH = 58.0 KM MB = 4.8							TELESEISMIC SOLUTION
			UNIMAK ISLAND REGION							
. 18	CSA	IP D	06 53 27.8				69	302		
. 18	ADK	EP	06 55 7.5				892	258		
. 18	AMA	EP	06 55 28.1				1073	258		
. 18	SSI	EP	06 55 36.4				1131	263		
. 18	ASD	EP	06 55 39.5				1168	261		TELESEISMIC
. 18	ASB	EP	06 55 40.4				1175	261		
. 18	ASC	EP	06 55 41.3				1176	261		
. 18	AND	EP	06 55 42.2				1186	262		
. 18	ANA	EP	06 55 44.3				1202	263		
. 18	RAT	EP	06 55 46.6				1217	264		
. 18	GMA	EP	06 55 56.5				1254	6		
. 18	7 4 57.90	51.81 N 179.76 W	DEPTH = 91.0 KM							TELESEISMIC SOLUTION
			DELAROF ISLANDS, ALEUTIAN ISLANDS							
. 18	SSI	IP	07 05 12.3	5.6	.1	2.82	46	282	.1	
. 18	AMA	EP	07 05 14.4	20.0	.1	3.42	73	142	.2	
. 18	ASD	EP	07 05 14.5	4.6	.1	2.79	77	234	-.1	
		I	07 05 15.3							
		IS	07 05 26.7						-.0	
. 18	ASB	EP	07 05 15.3	3.7	.1	2.71	85	235	.1	
		I	07 05 15.5							
		ES	07 05 27.4						-.5	
. 18	ASC	EP	07 05 15.4				84	243	.3	
. 18	AND	EP	07 05 16.0				93	253	.0	
. 18	ANA	EP	07 05 18.1				111	260	.3	
. 18	RAT	IP	07 05 20.0	14.5	.1	3.41	131	270	.0	
		I(S)	07 05 36.7						.6	
. 18	8 39 25.30	50.83 N 178.93 W	DEPTH = 33.0 KM							TELESEISMIC SOLUTION
			DELAROF ISLANDS, ALEUTIAN ISLANDS							
. 18	AMA	IP D	08 39 35.4	33.8	.1	3.40	52	346	.2	
		IS	08 39 41.7						-.8	
. 18	ASD	EP	08 39 45.4	1.7	.1	2.42	136	298	-1.7	

JAN 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.	18	ASB	ES 08 40 3.4						.4	.
.	18	ASB	EP 08 39 47.0				140	295	-.7	.
.	18	ASC	EP 08 39 48.0				150	298	-.9	.
.	18	SSI	IP 08 39 48.8				157	319	-.9	.
.	18		IS 08 40 5.8						-1.6	.
.	18	AND	EP 08 39 50.9				169	300	-.2	.
.....										
.	18	10 5 17.29	51.86 N 179.85 W	DEPTH = 50.0 KM						FIXED DEPTH SOLUTION
.			DELAROF ISLANDS, ALEUTIAN ISLANDS							.
.	18	SSI	IP 0 10 05 27.0	15.1	.1	3.06	39	276	.0	.
.			IS 10 05 30.6						-3.5	.
.	18	ASD	EP 10 05 30.9				76	227	-.2	.
.			ES 10 05 37.8						-3.4	.
.	18	ASC	EP 10 05 31.6				81	237	-.1	.
.	18	ASB	EP 10 05 32.2				83	229	.3	.
.			ES 10 05 39.8						-2.8	.
.....										
.	18	11 47 23.58	50.09 N 179.16 E	DEPTH = 24.6 KM						FREE DEPTH SOLUTION
.			RAT ISLANDS, ALEUTIAN ISLANDS							.
.	18	ASB	EP 11 47 46.5	1.3	.1	2.32	142	2	.2	.
.			ES 11 48 2.7						-.2	.
.	18	ASD	EP 11 47 46.9				145	5	-.0	.
.	18	AND	EP 11 47 49.5				165	355	-.2	.
.	18	ANA	EP 11 47 50.9				175	349	-.0	.
.	18	AMA	IP 11 47 51.3	4.7	.2	2.67	181	42	-.4	.
.	18	RAT	EP 11 47 53.6				199	343	-.3	.
.	18	SSI	IP C 11 47 55.4	3.2	.1		203	8	1.0	.
.....										
.	18	11 58 17.78	52.02 N 178.31 E	DEPTH = 109.2 KM						FREE DEPTH SOLUTION
.			RAT ISLANDS, ALEUTIAN ISLANDS							.
.	18	RAT	IP 0 11 58 33.6	7.1	.1	2.96	25	176	.4	.
.			ES 11 58 43.9						-.5	.
.	18	ANA	EP 11 58 34.6				50	151	.3	.
.	18	AND	EP 11 58 35.3				68	138	-.1	.
.			IS 11 58 47.6						-.7	.
.	18	SSI	EP 11 58 36.6	1.2	.1	2.27	89	99	-.5	.
.			ES 11 58 51.7						.6	.
.	18	ASC	EP 11 58 36.9				86	136	.1	.
.			IS 11 58 51.3						.6	.
.	18	ASB	EP 11 58 37.7	1.9	.1	2.49	98	138	-.1	.
.	18	ASD	EP 11 58 37.9	1.3	.1	2.32	100	134	-.1	.
.....										
.	18	12 9 24.17	52.40 N 179.31 W	DEPTH = 160.2 KM						FREE DEPTH SOLUTION
.			DELAROF ISLANDS, ALEUTIAN ISLANDS							.
.	18	ASD	EP 12 09 52.8	1.1	.1	2.41	145	220	.0	.
.			ES 12 10 13.7						.0	.
.	18	ASC	EP 12 09 53.0				148	226	.0	.
.	18	ASB	EP 12 09 53.4				152	221	.0	.
.....										
.	18	12 53 31.67	51.11 N 179.49 W	DEPTH = 35.0 KM						FREE DEPTH SOLUTION
.			DELAROF ISLANDS, ALEUTIAN ISLANDS							.
.	18	AMA	IP C 12 53 39.7	21.6	.1	3.10	33	53	.3	.
.			IS 12 53 44.9						-.2	.
.	18	ASD	IP 12 53 46.4	5.5	.1	2.77	87	291	-.3	.

JAN 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
. 18	ASB	EP	12 53 47.3	3.9	.1	2.65	92	288	-.1	
. 18	ASC	EP	12 53 48.7				102	293	-.0	
.		ES	12 54 1.8						.6	
. 18	SSI	IP D	12 53 49.5				108	324	-.2	
. 18	AND	EP	12 53 50.6				119	295	-.7	
.		I	12 54 52.3							
. 18	ANA	EP	12 53 54.8				141	295	.9	
. 18	RAT	EP	12 53 57.4				170	298	-.1	
.....										
. 18	14 54 5.83	51.20 N 179.35 E DEPTH = 36.0 KM RAT ISLANDS, ALEUTIAN ISLANDS								FREE DEPTH SOLUTION
. 18	ASD	IP D	14 54 12.5	6.7	.1	2.54	22	358	-.1	
. 18	ASB	IP C	14 54 12.5	4.3	.1	2.33	20	339	.0	
.		IS	14 54 16.9						-.4	
. 18	ASC	IP C	14 54 13.9				32	337	.3	
.		IS	14 54 19.7						.4	
. 18	AND	IP D	14 54 15.8				49	326	.2	
. 18	SSI	EP	14 54 19.8	9.0	.1	2.96	79	12	.1	
.		IS	14 54 29.7						-.2	
. 18	RAT	EP	14 54 22.1				98	314	-.3	
.....										
. 18	18 5 41.24	51.39 N 178.94 E DEPTH = 45.3 KM RAT ISLANDS, ALEUTIAN ISLANDS								FREE DEPTH SOLUTION
. 18	AND	IP C	18 05 49.0				19	4	.0	
.		IS	18 05 54.7						.1	
. 18	ASC	IP C	18 05 49.1				18	64	.2	
. 18	ASB	IP D	18 05 49.1	32.0	.1	3.29	22	99	-.1	
.		IS	18 05 54.5						-.4	
. 18	ASD	IP C	18 05 49.7	73.2	.1	3.67	28	90	.1	
. 18	ANA	EP	18 05 50.1				32	324	.1	
. 18	RAT	IP	18 05 52.9				62	317	-.3	
. 18	SSI	IP	18 05 54.5	15.6	.1	3.19	72	39	.1	
.		IS	18 06 3.7						-.2	
.....										
. 18	19 27 56.87	50.94 N 178.44 E DEPTH = 32.7 KM RAT ISLANDS, ALEUTIAN ISLANDS								FREE DEPTH SOLUTION
. 18	ASB	IP	19 28 9.9	2.6	.1	2.39	74	50	.1	
.		ES	19 28 19.4						.2	
. 18	ASC	EP	19 28 10.4				77	40	.1	
. 18	AND	IP C	19 28 10.4				78	27	-.1	
. 18	ASD	IP	19 28 10.6	2.8	.1	2.45	81	51	-.2	
.		ES	19 28 20.7						-.3	
. 18	ANA	EP	19 28 10.6				78	11	.1	
. 18	RAT	IP D	19 28 13.0	3.9	.1	2.66	97	355	-.1	
.		IS	19 28 24.9						-.0	
. 18	SSI	IP	19 28 18.6	4.6	.1	2.85	133	36	.2	
.....										
18	AMA	IP D	19 29 1.4	21.4	.1	3.05				
.		IS	19 29 6.1							
18	ASD	EP	19 29 16.0	1.4	.1	2.41				
.		ES	19 29 34.5							
18	SSI	IP D	19 29 16.5	5.9	.1	3.03				
.		IS	19 29 34.5							
18	ASB	EP	19 29 16.8							
18	ASC	EP	19 29 17.4							
18	AND	EP	19 29 20.5							

JAN 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS	
18	19 40	58.92	51.31 N 179.93 W	DEPTH = 26.3 KM				FREE DEPTH SOLUTION			
			DELAROF ISLANDS, ALEUTIAN ISLANDS								
18	ASD	IP	19 41 8.3	6.3	.1	2.64	52	280	-.1		
		IS	19 41 14.8						-.5		
18	AMA	EP	19 41 9.0	9.3	.1	2.84	57	92	-.1		
		IS	19 41 16.6						.1		
18	ASB	IP	19 41 9.4	32.0	.1	3.38	58	276	.2		
		IS	19 41 17.1						.3		
18	ASC	IP	19 41 10.5				65	285	.2		
18	SSI	IP D	19 41 11.7	17.1	.1	3.19	73	333	.2		
		IS	19 41 20.5						-.1		
18	AND	EP	19 41 12.8				83	290	-.1		
		IS	19 41 23.3						.2		
18	ANA	EP	19 41 16.1				104	290	.0		
18	RAT	IP	19 41 20.2	15.8	.1	3.38	132	295	-.1		
		ES	19 41 35.5						-.4		
18	ADK	EP	21 24 56.1								
18	RAT	IP C	21 59 52.2								
18	ASC	IP	21 59 54.0								
18	ANA	IP	21 59 54.0								
18	AND	IP	21 59 56.0								
18	ASB	IP	21 59 58.3	186.0	.1						
		IS	22 00 11.1								
18	ASD	IP	21 59 59.1								
18	SSI	IP C	22 00 2.8								
18	AMA	IP	22 00 13.0								
		IS	22 00 40.3								
19	0 30	39.14	51.61 N 177.74 E	DEPTH = 54.8 KM				FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS								
19	RAT	IP	00 30 49.9	17.8	.1	3.17	46	63	-.0	FROM FILM	
		IS	00 30 57.4						-.4		
19	ANA	IP	00 30 52.2				64	88	.4		
19	AND	EP	00 30 54.5				84	93	.4	QP	
19	ASC	EP	00 30 55.9				100	99	-.1		
		ES	00 31 8.6						.4		
19	ASB	EP	00 30 56.5				108	104	-.4	QP	
19	ASD	EP	00 30 57.4				114	102	-.2	FROM BRUSH RCOR	
		ES	00 31 10.9						-.2		
19	SSI	EP	00 30 59.7	4.9	.1	2.89	131	76	-.0	FROM FILM	
19	3 16	53.60	23.84 N 108.58 W	DEPTH = 33.0 KM				TELESEISMIC SOLUTION			
			GULF OF CALIFORNIA								
19	ADK	EP	03 26 43.4				6471	317			
19	4 9	.94	51.42 N 179.71 E	DEPTH = 56.3 KM				FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS								
19	ASD	IPG	04 09 10.3	9.5	.1	2.85	26	263	.0		
		IS	04 09 17.2						.1		
19	ASB	IPG	04 09 10.8	18.1	.1	3.15	33	259	.1		
		ES	04 09 17.9								

JAN 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
19	6 36	11.70	50.89 N 179.34 W	DEPTH = 26.0 KM			TELESEISMIC SOLUTION			
			DELAROF ISLANDS, ALEUTIAN ISLANDS							
19	AMA	IP D	06 36 20.5				48	20	-.1	WHITE OUT
19	ASD	IPN	06 36 29.0				108	302	-.4	
		IP	06 36 29.8	54.2	.1	3.83				
		IS	06 36 42.3						-.0	
19	ASB	IPN	06 36 29.9				112	299	-.1	
		EP	06 36 30.7	87.7	.2	3.76				
		ES	06 36 43.6						.2	
19	ASC	IP	06 36 31.1				122	302	-.5	
19	SSI	IP D	06 36 32.6				135	327	-.8	
19	AND	EP	06 36 34.1				141	303	-.3	
19	ANA	EP	06 36 37.1				162	301	-.2	
19	RAT	EP	06 36 40.2				191	303	-.8	
		ES	06 37 1.8						-.5	
19	ADK	EP	06 36 44.3				215	58	.4	
		ES	06 37 9.2						1.8	
.....										
19	8 49	56.10	51.21 N 178.34 E	DEPTH = 21.8 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
19	ANA	IPG	08 50 5.9				52	25	.6	
		ES	08 50 12.7						.6	
19	ASC	EPG	08 50 6.1				64	63	-1.0	
19	AND	IPG	08 50 6.5				58	47	.2	
19	RAT	IPG	08 50 7.2	3.6	.1	2.47	66	359	-.3	
		IS	08 50 14.8						-.9	
19	ASB	IPG	08 50 7.5	3.2	.1	2.42	65	74	.2	
		ES	08 50 15.3						-.2	
19	ASD	EPG	08 50 8.5				72	73	.1	
		ES	08 50 16.9						-.5	
19	SSI	EP	08 50 15.2	3.9	.1	2.71	115	48	.4	
.....										
19	8 50	41.41	51.24 N 178.37 E	DEPTH = 25.0 KM			FIXED DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
19	ANA	EPG	08 50 50.7				47	25	.5	QP
19	ASC	EPG	08 50 50.9				60	66	-1.2	
19	AND	EPG	08 50 51.4				54	49	.3	
19	RAT	EPG	08 50 52.1	3.7	.1	2.47	62	358	-.2	
		IS	08 50 59.7						-.5	
19	ASB	EPG	08 50 52.4	1.4	.1	2.05	63	78	.0	
		ES	08 51 .2						-.1	
19	ASD	EPG	08 50 53.5				70	76	.1	
19	SSI	EP	08 51 .2	3.9	.1	2.70	111	49	.6	QP, TAMP TOO SH.
.....										
19	AMA	EP	09 35 58.2	15.0	.2					REGIONAL NO S
19	ASD	EP	09 36 9.7	4.1	.2					
19	ASB	EP	09 36 10.7	9.3	.2					
19	ASC	EP	09 36 11.6							
19	AND	EP	09 36 12.3							
19	ANA	EP	09 36 14.7							
.....										
19	10 22	52.91	51.58 N 179.00 E	DEPTH = 18.8 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
19	AND	IPGD	10 22 56.1				4	231	-.1	VERY LOCAL
19	ASC	IPG	10 22 57.3				18	139	-.0	
		ES	10 23 .7						.1	
19	ANA	IPG	10 22 58.1				24	282	.1	
19	ASB	IPG	10 22 58.8	1.7	.1	1.88	30	145	-.2	

JAN 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.		ES	10 23 3.4						.0	
. 19	ASD	EPG	10 22 59.3				32	132	.1	TAMP TOO SMALL
. 19	RAT	IPG	10 23 2.1	5.6	.1	2.57	52	298	.0	
. 19	SSI	IPG	10 23 2.3	9.3	.1	2.80	53	50	.0	
.....										
. 19	12 17 7.99	51.42 N 178.93 E DEPTH = 48.9 KM						FREE DEPTH SOLUTION		
.		RAT ISLANDS, ALEUTIAN ISLANDS								
. 19	AND	IPG	12 17 16.0				16	6	.0	
. 19	ASC	EPG	12 17 16.2				17	72	.2	
. 19	ASB	IPG	12 17 16.3	4.3	.1	2.44	23	105	-.1	
.		IS	12 17 22.3						-.1	
. 19	ASD	EPG	12 17 16.8	3.1	.1	2.32	29	95	.0	UNDER AMCHITKA
.		ES	12 17 23.1						-.1	
. 19	ANA	IPG	12 17 16.9				30	322	.1	
. 19	RAT	EP	12 17 19.7	4.7	.1	2.63	59	316	-.1	
. 19	SSI	IP	12 17 21.0	6.6	.1	2.81	70	40	-.0	
.....										
. 19	13 8 5.42	51.42 N 178.75 E DEPTH = 43.9 KM						FREE DEPTH SOLUTION		
.		RAT ISLANDS, ALEUTIAN ISLANDS								
. 19	AND	IPGC	13 08 13.3				21	42	.2	
. 19	ANA	IPGD	13 08 13.7				23	344	.4	
. 19	ASC	IPGC	13 08 13.9				29	81	.2	
. 19	ASB	IPGD	13 08 14.2	31.4	.1	3.32	35	101	-.1	
.		ES	13 08 20.4						-.4	
. 19	ASD	IPGC	13 08 14.8	44.8	.1	3.51	41	95	-.1	
.		ES	13 08 21.6						-.2	
. 19	RAT	IPGD	13 08 15.9	69.5	.1	3.74	51	325	-.1	
.		ES	13 08 23.2						-.6	
. 19	SSI	IP C	13 08 19.4	31.9	.1	3.52	78	48	.1	
.		IS	13 08 29.3						-.0	
.....										
. 19	13 18 13.22	51.66 N 179.70 E DEPTH = 82.0 KM						FREE DEPTH SOLUTION		
.		RAT ISLANDS, ALEUTIAN ISLANDS								
. 19	SSI	IPG	13 18 25.5	6.6	.1	2.82	27	343	.0	
. 19	ASD	EP	13 18 25.9	1.7	.1	2.24	39	220	-.2	
.		ES	13 18 35.4						-.1	
. 19	ASB	EP	13 18 26.5	3.0	.1	2.51	46	224	-.0	
.		ES	13 18 36.3						.0	
. 19	ASC	IP	13 18 26.7				43	240	.3	
. 19	AND	IP	13 18 27.0				53	259	-.1	
. 19	ANA	EP	13 18 28.8				72	268	.2	
. 19	RAT	IP	13 18 30.8				96	280	-.2	
.		IP	13 18 31.9	11.1	.1	3.20				
.		ES	13 18 43.9						-.0	
.....										
. 19	14 24 59.89	50.99 N 178.50 E DEPTH = 60.8 KM						FREE DEPTH SOLUTION		
.		RAT ISLANDS, ALEUTIAN ISLANDS								
. 19	ASB	EP	14 25 13.1	1.1	.1	2.06	67	51	-.1	
.		E(S)	14 25 22.8						-.1	
. 19	AND	IP	14 25 13.6				71	26	-.1	
. 19	ASD	EP	14 25 13.8	.7	.1	1.89	74	52	-.1	
. 19	ANA	IP	14 25 13.8				72	9	.1	
. 19	ASC	EP	14 25 13.9				70	41	.3	
. 19	RAT	IP	14 25 15.8	3.8	.1	2.67	91	353	-.1	
.....										
19	RAT	IP D	16 37 19.8	9.3	.1	3.07				

JAN 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
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20	2 7	34.30	63.29 N 150.97 W	DEPTH = 131.0 KM MB = 4.6		TELESEISMIC SOLUTION				
CENTRAL ALASKA										

20	AMA	IP C	02 10 2.5							
		IS	02 10 7.0							
20	ASD	IPGD	02 10 12.4	66.9	.1	3.94				
		IS	02 10 25.0							
20	ASB	IPG	02 10 13.1							
		ES	02 10 25.7							
20	ASC	IPG	02 10 14.5							
20	SSI	IP	02 10 15.1	141.9	.1	4.32				
		ES	02 10 29.7							
20	AND	IPN	02 10 16.4							
		IPG	02 10 17.0							
20	ANA	IPN	02 10 19.9							
		IPG	02 10 20.6							
20	RAT	IP	02 10 23.4							
20	ADK	EP	02 10 25.2							
		E	02 10 48.6							
20	AMA	IP	02 41 25.4	14.3	.1	2.93				
		IS	02 41 30.8							
20	SSI	IP	02 41 42.3							
		IS	02 41 58.0							

20	3 29	39.88	50.95 N 172.71 E	DEPTH = 50.0 KM		FIXED DEPTH SOLUTION				
RAT ISLANDS, ALEUTIAN ISLANDS										

20	RAT	IP D	03 30 33.5	31.1	.1		402	74	-.2	
		ES	03 31 12.8						-.2	
20	ANA	EP	03 30 36.1				421	77	.0	
20	AND	EP	03 30 38.2				440	79	-.3	
20	ASC	EP	03 30 40.0				454	80	-.1	
20	ASB	EP	03 30 40.7				459	82	-.0	
		ES	03 31 25.4						.2	
20	SSI	IP	03 30 45.1				489	75	.7	

20	4 45	.10	8.78 N 79.23 W	DEPTH = 33.0 KM MB = 5.6 MS = 5.6		TELESEISMIC SOLUTION				
PANAMA										

20	ADK	EP	04 57 47.5	9756 322						
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20	10 27	30.10	51.69 N 179.96 E	DEPTH = 28.0 KM MB = 4.4		TELESEISMIC SOLUTION				
RAT ISLANDS, ALEUTIAN ISLANDS										

20	SSI	IP D	10 27 37.4				34	312	.1	
20	ASD	IP C	10 27 40.2				54	232	.2	VERY HIGH AMP
20	ASC	IP	10 27 41.1				60	246	.2	
20	ASB	IP	10 27 41.3				61	234	.3	NO IDENTIFIABLE
20	AND	IP	10 27 42.5				71	259	.1	S.
20	AMA	IP D	10 27 44.3				79	124	.8	
		IS	10 27 54.4						1.1	
20	ANA	IP	10 27 45.3				90	266	.1	
20	RAT	IP C	10 27 48.7				113	277	.1	
20	ADK	IP C	10 28 3.7				232	83	-.6	
		IS	10 28 39.2						10.0	
20	SMY	E(P)	10 28 27.1				416	288	.2	

JAN 1971	STA	PHASE	TIME (GHT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
20	19 22	55.07	51.13 N 178.99 E	DEPTH = 25.0 KM			FIXED DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
20	ASB	IP	19 23 1.9	4.0	.1	2.30	32	35	.2	
		IS	19 23 6.6						-.0	
20	ASD	IP	19 23 2.5	8.5	.1	2.68	39	40	-.1	
20	AND	IP	19 23 4.0				49	357	-.0	
		IS	19 23 10.6						.0	
20	AMA	IP	23 00 35.7							
		IS	23 00 41.2							
20	ASD	IP	23 00 40.9	6.2	.1	2.79				
		IS	23 00 50.4							
20	ASB	IP	23 00 42.1							
		IS	23 00 52.4							
20	ASC	IP	23 00 43.0							
21	1 57	18.80	66.44 N 163.93 W	DEPTH = 33.0 KM			TELESEISMIC SOLUTION			
ALASKA										
21	2 20	51.32	51.34 N 179.84 E	DEPTH = 25.0 KM			FIXED DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
21	ASD	IP	02 20 58.0	13.2	.1	2.85	35	280	-.4	
		IS	02 21 3.5						-.1	
21	ASB	IP	02 20 59.8				41	274	.5	
		ES	02 21 4.8						-.2	
21	AND	IP	02 21 2.3				66	292	-.6	
		IS	02 21 11.5						.2	
21	ANA	IP	02 21 6.5				88	292	.5	
21	2 23	55.87	51.65 N 179.63 W	DEPTH = 100.0 KM			FIXED DEPTH SOLUTION			
DELAROF ISLANDS, ALEUTIAN ISLANDS										
21	ASD	IP	02 24 13.2	6.6	.1	2.97	77	248	-.1	
21	ASB	IP	02 24 14.0	5.2	.1	2.88	84	248	.1	
		ES	02 24 26.7						-.4	
21	ASC	IP	02 24 14.3				86	256	.2	
		IS	02 24 27.7						.4	
21	AND	IP	02 24 14.9				98	265	-.3	
21	RAT	IP	03 53 16.4							
		ES	03 53 24.2							
21	AND	IP C	03 53 33.3							
21	ASC	IP O	03 53 34.0							
21	ASB	IP	03 53 34.2							
		ES	03 53 40.3							
21	ASD	IP	03 53 35.0	18.5	.1	3.13				
21	12 23	32.00	21.50 S 176.67 W	DEPTH = 193.0 KM MB = 5.1			TELESEISMIC SOLUTION			
FIJI ISLANDS REGION										
21	AOK	IP	12 34 41.2				8125	360		

JAN 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
21	17 19 35.30		7.80 S	122.67 E	DEPTH = 196.0 KM	MB = 5.7	TELESEISMIC SOLUTION			
			FLORES SEA							
21	ADK EP	17 31 17.9				8755	33			
21	19 4 24.77		51.67 N	177.72 E	DEPTH = 67.8 KM	FREE DEPTH SOLUTION				
			RAT ISLANDS, ALEUTIAN ISLANDS							
21	RAT IP	19 04 36.8				44	71	.2		
	ES	19 04 44.9						-.3		
21	ANA IP	19 04 37.9				65	94	-.5		
	IS	19 04 48.9						.6		
21	AND IP	19 04 40.5				86	98	-.0		
21	ASC IP	19 04 42.6				103	102	.2		
21	ASB IP	19 04 43.3	8.8	.1	3.11	111	107	-.1		
	IS	19 04 56.4						-.5		
21	ASD IP	19 04 44.2	15.0	.1	3.35	116	105	.2		
	IS	19 04 58.2						.2		
21	SSI IP	19 04 45.6				131	78	-.1		
	IS	19 04 58.1						-2.8		
22	RAT IP	02 19 45.4	27.3	.1						
	ES	02 20 7.6								
22	ANA IP	02 20 49.6								
22	AND EP	02 20 53.0								
	ES	02 21 20.9								
22	ASC EP	02 20 54.3								
22	ANA IP	05 11 9.4								
22	RAT IP D	05 11 10.0	24.8	.1	3.35					
	IS	05 11 18.5								
22	AND IP	05 11 10.4								
22	ASC EP	05 11 11.8								
22	ASB EP	05 11 11.8								
	IS	05 11 20.8								
22	ASD EP	05 11 12.6								
	IS	05 11 22.3								
22	SSI IP C	05 11 18.6	66.5	.1	3.99					
	IS	05 11 32.9								
22	11 26 5.60		51.15 N	178.70 E	DEPTH = 23.0 KM	TELESEISMIC SOLUTION				
			RAT ISLANDS, ALEUTIAN ISLANDS							
22	ASB IP C	11 26 14.1	9.7	.1	2.78	45	58	.2		
	IS	11 26 19.4						-.6		
22	ASC IP C	11 26 14.6				48	43	.3		
22	AND IP D	11 26 14.7				49	21	.1		
22	ASD IP	11 26 15.3	7.6	.1	2.72	52	59	.3		
22	ANA IP C	11 26 15.5				53	357	.4		
22	RAT IP	11 26 18.9	21.0	.1	3.29	77	341	.3		
	IS	11 26 27.4						-.6		
22	12 19 24.94		51.91 N	179.52 E	DEPTH = 140.3 KM	FREE DEPTH SOLUTION				
			RAT ISLANDS, ALEUTIAN ISLANDS							
22	AND IP	12 19 45.1				55	226	-.1		
22	ASD IP C	12 19 45.3	6.9	.1	3.06	59	192	-.1		
22	ASC IP	12 19 45.3								

JAN 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
22	RAT	IP	14 00 20.4	99.2	.2					
		ES	14 00 52.6							
22	ANA	EP	14 00 22.6							
22	AND	EP	14 00 24.2							
22	ASB	IP	14 00 27.0	11.2	.1					
		ES	14 01 4.0							
22	ASC	IP	14 00 27.7							
22	ASD	EP	14 00 27.9							
		IS	14 01 6.3							
.....										
22	15 36 38.34		52.28 N 178.32 E	DEPTH = 135.8 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
22	RAT	IP	15 36 58.0				54	179	.0	
22	ANA	IP D	15 36 59.3				76	162	.0	
		I	15 36 59.7							
		IS	15 37 14.6						.0	
22	AND	IP C	15 37 .3				91	151	.0	
.....										
22	20 29 34.63		50.65 N 176.58 E	DEPTH = 0.0 KM			FIXED DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
22	RAT	IP D	20 30 3.4	19.9	.1	3.58	176	43	-.3	
		ES	20 30 24.5						-.4	
22	ANA	IP	20 30 4.5				181	53	.0	
22	AND	IP	20 30 6.3				194	58	-.1	
		IS	20 30 30.2						.6	
22	ASB	IP	20 30 7.6	22.0	.2		202	66	-.1	
		ES	20 30 31.4						-.4	
22	ASD	EP	20 30 8.5	3.6	.1		210	66	-.3	
		ES	20 30 33.5						-.2	
22	SSI	IP	20 30 14.6				250	56	.6	
		IS	20 30 43.9						1.1	
.....										
22	22 30 12.40		51.11 N 179.31 W	DEPTH = 33.0 KM			TELESEISMIC SOLUTION			
			DELAROF ISLANDS, ALEUTIAN ISLANDS							
22	AMA	IP D	22 30 19.3	60.5	.1	3.49	24	35	.3	
		IS	22 30 23.9						.1	
22	ASD	IP	22 30 27.6	3.9	.1	2.67	99	289	-1.4	
		ES	22 30 40.7						-.5	
22	ASB	IP	22 30 29.1	4.6	.1	2.76	105	286	-.7	
22	SSI	IP	22 30 30.4				116	319	-1.1	
22	ASC	IP	22 30 30.6				113	291	-.5	
		IS	22 30 45.8						1.0	
22	AND	EP	22 30 32.8				131	293	-.8	
22	ANA	EP	22 30 36.3				153	293	.0	
22	RAT	IP	22 30 39.9	9.0	.1	3.26	181	296	.1	
		IS	22 31 1.5						1.7	
.....										
23	0 27 22.20		65.64 N 151.79 W	DEPTH = 33.0 KM			TELESEISMIC SOLUTION			
			ALASKA							
.....										
23	4 11 49.12		51.02 N 179.14 W	DEPTH = 75.0 KM			FIXED DEPTH SOLUTION			
			DELAROF ISLANDS, ALEUTIAN ISLANDS							
23	AMA	IPGC	04 11 57.1				30	4	-3.6	WHITE OUT
		ES	04 12 1.3						-7.9	
23	ASD	EP	04 12 8.0				114	292	-.4	WHITE OUT

JAN 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
23	ASB	EP	04 12 8.8				119	289	-.1	QTAMP
		ES	04 12 22.6						-.8	
23	ASC	EP	04 12 10.1				128	293	.1	WHITE OUT
23	SSI	IP D	04 12 10.7				131	318	.4	WHITE OUT
		IS	04 12 25.4						-.4	
23	AND	EP	04 12 12.2				146	295	.1	WHITE OUT
23	ANA	EP	04 12 15.1				167	295	.5	WHITE OUT
23	ADK	EP	04 12 18.9				195	60	1.0	
		ES	04 12 40.6						1.6	
23	RAT	IP	04 12 19.0				196	297	1.0	WHITE OUT
.....										
23	5	4	58.70	52.10 N	178.34 E	DEPTH = 36.0 KM	TELESEISMIC SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
23	RAT	IP C	05 05 6.6	154.9	.3	3.49	33	182	-.0	
		IS	05 05 28.4						16.0	
23	ANA	EP	05 05 9.4				57	157	-.1	
		ES	05 05 34.6						17.3	
23	AND	EP	05 05 11.5				73	145	-.2	
23	SSI	EP	05 05 13.5				88	105	-.4	
23	ASC	EP	05 05 14.1				91	141	-.1	
23	ASB	E(P)	05 05 14.9	4.9	.1	2.78	103	142	-1.1	POOR TAMP
		IS	05 05 43.2						14.6	
23	ASD	E(P)	05 05 15.3	4.8	.1	2.78	105	138	-.9	POOR TAMP
.....										
23	RAT	IP	07 53 14.9	63.7	.2					
		ES	07 53 46.0							
23	ANA	IP	07 53 18.7							
		E(L)	07 53 55.2							
23	AND	IP	07 53 21.3							
23	ASC	EP	07 53 25.1							
23	SSI	E(P)	07 53 25.1							
23	ASB	EP	07 53 26.3	5.2	.2					
23	ASD	E(P)	07 53 28.2	5.9	.2					QP, VERY POOR
.....										
23	7	54	22.38	51.42 N	179.90 W	DEPTH = 67.4 KM	FREE DEPTH SOLUTION			
DELAROF ISLANDS, ALEUTIAN ISLANDS										
23	ASD	IPG	07 54 34.7	6.6	.1	2.82	53	267	-.2	
		ES	07 54 44.0						.0	
23	AMA	EP	07 54 35.2	2.5	.1	2.41	57	105	.0	
23	ASB	IPG	07 54 35.5	10.5	.1	3.04	60	264	.0	
		IS	07 54 45.1						.1	
23	SSI	E(P)	07 54 35.8	5.4	.1	2.76	63	326	-.0	
23	ASC	IPG	07 54 36.0				65	274	-.0	
23	AND	EPG	07 54 37.7				81	282	.1	
23	ANA	EP	07 54 40.0				103	283	.0	
.....										
23	AMA	EP	09 10 53.9	5.4	.1					
		ES	09 11 26.7							
23	ASD	EP	09 11 4.7	1.5	.1					
23	ASB	E(P)	09 11 5.3	9.8	.3					
23	ASC	EP	09 11 6.2							
23	AMA	IPGD	09 32 39.9	36.8	.1					
23	ASD	EP	09 32 50.6	1.5	.1	2.34				VPOR, EMERGENT
23	ASB	EP	09 32 52.6	1.0	.1	2.19				
		E(S)	09 33 7.9							
23	ASC	EP	09 32 53.5							

JAN 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
23	10 42	21.42	51.19 N 178.54 E	DEPTH = 36.0 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
23	AND	IPG	10 42 31.4				50	35	.1	
		I(S)	10 42 38.5						-.0	
23	ANA	EPG	10 42 31.4				49	10	.2	
23	ASB	IPG	10 42 31.6	7.3	.1	2.74	53	69	-.0	
		ES	10 42 38.9						-.2	
23	ASC	EPG	10 42 31.9				53	55	.2	
23	ASD	EPG	10 42 32.5	2.7	.2	2.04	60	68	-.1	QP
23	RAT	IPG	10 42 33.6	5.6	.1	2.71	69	348	-.3	
23	AMA	EP	11 30 12.3	5.9	.2					
23	ASB	EP	11 30 23.7	8.1	.3					QP
23	ASD	EP	11 30 24.5	3.1	.2					POOR, EMERGENT
23	AND	EP	11 30 27.9							QP, NO S
23	ANA	EP	11 30 29.0							QP
23	13 3	5.47	51.77 N 179.97 E	DEPTH = 27.5 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
23	SSI	IPGD	13 03 12.2	32.8	.1	3.22	30	298	.1	SSI LOCAL
		IS	13 03 16.9						-.1	
23	ASD	EP	13 03 16.1				60	226	-.1	
23	ASB	EP	13 03 17.2	2.1	.1	2.26	67	228	-.0	
		IS	13 03 25.5						-.3	
23	ASC	EP	13 03 17.9				65	239	1.0	QP
23	AND	EP	13 03 18.0				74	253	-.2	
23	AMA	IP	13 03 19.4	3.9	.2	2.30	83	129	-.1	
23	ANA	EP	13 03 20.8				92	261	-.0	
		IS	13 03 31.8						-.2	
23	RAT	EP	13 03 23.8	7.5	.2	2.69	113	273	-.2	QTAMP
23	AMA	IPGD	14 21 9.2	5.7	.1	2.52				
		E(S)	14 21 14.4							
23	SSI	EP	14 21 22.7	6.1	.1					
23	14 50	43.40	63.58 N 147.13 W	DEPTH = 33.0 KM MB = 3.6			TELESEISMIC SOLUTION			
			CENTRAL ALASKA							
23	15 12	14.70	63.09 N 150.75 W	DEPTH = 112.0 KM MB = 4.5			TELESEISMIC SOLUTION			
			CENTRAL ALASKA							
23	16 50	40.90	50.25 N 176.79 E	DEPTH = 33.0 KM			TELESEISMIC SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
23	ANA	IP	16 51 10.4				202	40	-.5	
23	RAT	IP	16 51 10.5	10.9	.1		204	31	-.6	
		IS	16 51 32.8						-.3	
23	AND	IP	16 51 11.1				211	45	-.9	
23	ASB	EP	16 51 11.7	6.4	.1		213	53	-.5	
		ES	16 51 33.7						-1.3	
23	ASC	EP	16 51 11.9				215	50	-.5	
23	ASD	EP	16 51 12.5	2.8	.1		220	54	-.6	
		ES	16 51 35.1						-1.5	
23	SSI	IP D	16 51 19.9	35.4	.1		268	46	.9	
		IS	16 51 48.4						1.6	
23	AMA	EP	16 51 24.5	1.7	.1		311	67	.2	

JAN 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS	
23	17 13	19.30	50.87 N 179.79 E DEPTH = 35.0 KM						TELESEISMIC SOLUTION		
			RAT ISLANDS, ALEUTIAN ISLANDS								
23	ASD	IPGD	17 13 30.9	10.9	.1	2.98	66	331	-.3		
		IS	17 13 38.7						-1.2		
23	ASB	IPGC	17 13 31.3	10.5	.1	2.97	66	325	-.0		
		IS	17 13 39.3						-.7		
23	ASC	IPGC	17 13 32.8				79	326	-.3		
23	AMA	EP	17 13 34.3	11.0	.2	2.78	90	59	-.3		
23	AND	IPGC	17 13 35.0				96	323	-.6		
		IS	17 13 45.7						-1.8		
23	SSI	EP	17 13 37.7	13.2	.1	3.25	114	353	-.5		
		ES	17 13 50.4						-1.6		
23	ANA	EP	17 13 38.1				115	317	-.2		
23	RAT	EP	17 13 41.5	4.6	.1	2.88	145	316	-.5		
23	ADK	EP D	19 53 19.0								
		ES	19 53 29.8								
23	AMA	EPN	19 53 39.3	36.0	.2						
		IP	19 53 41.1								
23	SSI	EP	19 53 51.8							QP	
23	ASD	EPN	19 53 53.0							ALL PNS V. POOR	
		IP	19 53 57.4	51.0	.4						
		I(L)	19 54 44.1								
23	ASB	EP	19 53 54.5	59.5	.4					REGIONAL	
		E(S)	19 54 36.7								
		E(L)	19 54 42.1								
23	ASC	EPN	19 53 55.1								
23	AND	EPN	19 53 57.4								
		IP	19 53 58.7								
23	ANA	EPN	19 54 0.0								
		IP	19 54 1.7								
23	RAT	EP	19 54 3.3	81.1	.3						
23	2J 22	52.18	51.20 N 179.26 W DEPTH = 32.5 KM						FREE DEPTH SOLUTION		
			DELAROF ISLANDS, ALEUTIAN ISLANDS								
23	AMA	IPGD	20 22 58.2	103.8	.1	3.66	14	48	.3		
		IS	20 23 2.0						-.1		
23	ASD	EP	20 23 8.6				100	283	-.3		
		IP	20 23 10.2	9.2	.1	3.04					
		I(S)	20 23 21.0						.0		
23	ASB	EP	20 23 9.6	11.4	.1	3.16	105	280	-.1	QP	
		IS	20 23 23.1						.6		
23	SSI	IP	20 23 10.4	15.5	.1	3.31	111	314	-.1		
		IS	20 23 23.8						-.0		
23	ASC	EP	20 23 10.7				113	285	-.2		
		IP	20 23 12.5								
23	AND	EP	20 23 12.9				130	289	-.5		
23	ANA	EP	20 23 15.8				152	289	-.2		
23	RAT	EP	20 23 20.3	40.9	.2	3.61	180	293	.9		
23	AMA	EP	21 14 43.4	7.5	.1	3.16					
		E(S)	21 15 2.8	6.3	.1						
23	SSI	EP	21 14 58.0								
23	RAT	EP	23 36 14.1	21.7	.1						
		E(S)	23 36 41.5								
23	ANA	EPN	23 36 18.4								
		IP	23 36 20.1								
		E(S)	23 36 48.0								
23	AND	EP	23 36 20.9								
		E(S)	23 36 50.9								
23	ASC	EP	23 36 23.7								
23	ASB	EP	23 36 25.1	3.1	.1						

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JAN 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
23	SSI	EP	23 36 25.2	6.5	.1					
23	ASD	EP	23 36 26.1	5.6	.2					
24	RAT	IP	02 27 57.9	57.8	.2					
		ES	02 28 22.5							
24	ANA	EP	02 28 1.2							
		ES	02 28 30.6							
24	AND	EP	02 28 3.7							
		ES	02 28 32.3							
24	ASC	EP	02 28 6.7							
24	ASB	EP	02 28 8.3	16.8	.2					
24	SSI	IP	02 28 8.4							
24	ASD	EP	02 28 8.5	8.7	.2					
24	AMA	EP	02 28 21.6							
.....										
24	6 15 25.12	51.74 N 178.75 E DEPTH = 88.3 KM							FREE DEPTH SOLUTION	
		RAT ISLANDS, ALEUTIAN ISLANDS								
24	ANA	IP	06 15 37.8				14	206	.1	
24	AND	IP D	06 15 38.0				24	144	-.0	
		IS	06 15 47.3						-.1	
24	RAT	IP D	06 15 38.4	39.7	.1	3.63	30	283	.2	
		IS	06 15 48.1						.3	
24	ASC	IP	06 15 38.8				42	137	-.1	
24	ASB	IP	06 15 39.4	8.8	.1	3.02	55	141	-.3	
		ES	06 15 50.4						.1	
24	ASD	IP	06 15 39.6	3.9	.1	2.67	57	133	-.2	
		IS	06 15 50.7						.1	
24	SSI	IP D	06 15 40.1	9.3	.1	3.05	60	73	-.0	
		IS	06 15 50.7						-.4	
24	AMA	EP	06 15 49.9				157	108	.0	
		ES	06 16 8.6						.7	
.....										
24	6 16 51.23	51.01 N 178.15 E DEPTH = 16.7 KM							FREE DEPTH SOLUTION	
		RAT ISLANDS, ALEUTIAN ISLANDS								
24	ANA	IP C	06 17 4.5				77	27	.3	
24	AND	IP	06 17 5.0				83	42	-.1	
24	ASB	IP	06 17 5.4	106.7	.1	4.03	86	62	-.1	
		IS	06 17 15.9						.1	
24	RAT	IP C	06 17 5.8	47.2	.1	3.69	89	8	-.1	
		IS	06 17 16.6						-.1	
24	ASC	IP	06 17 5.9				87	54	.3	
24	ASD	IP	06 17 6.3	42.4	.1	3.67	93	62	-.3	
		ES	06 17 17.8						.0	
24	SSI	IP	06 17 13.7	39.9	.1	3.80	140	45	.0	
		ES	06 17 29.9						-.1	
24	AMA	EP	06 17 21.6				194	80	.0	
.....										
24	9 54 10.74	51.04 N 179.40 W DEPTH = 27.5 KM							FREE DEPTH SOLUTION	
		DELAROF ISLANDS, ALEUTIAN ISLANDS								
24	AMA	IP C	09 54 18.0				34	36	.1	
		IS	09 54 23.0						-.1	
24	ASD	EP	09 54 26.4	1.7	.1	2.28	96	294	-.3	
		ES	09 54 38.2						-.2	
24	ASB	EP	09 54 27.7				101	291	.2	
24	ASC	EP	09 54 29.2				111	296	.3	
24	SSI	IP	09 54 29.8				118	324	-.2	
		IS	09 54 44.3						.3	
24	AND	EP	09 54 31.4				129	297	-.2	
24	ANA	EP	09 54 34.9				150	296	.2	
24	RAT	IP	09 54 38.3				179	299	-.0	
.....										

JAN 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
24	9 54	47.65	50.28 N 177.84 E	DEPTH = 12.9 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
24	ASB	IP D	09 55 12.7	312.9	.4	4.13	156	39	.2	T PHASE
		ES	09 55 30.3						-.2	
24	AND	IP C	09 55 13.3				163	28	-.2	
		ET	09 56 35.5							
24	ANA	EP	09 55 13.3				161	21	.1	
		ES	09 55 31.9						.1	
24	ASC	IP D	09 55 13.5				161	35	.2	
24	ASD	IP	09 55 13.6	254.2	.4	4.06	163	40	.1	
		ET	09 56 36.1							
24	RAT	IP	09 55 14.7	44.7	.1	3.93	173	11	-.3	
		ES	09 55 34.7						.0	
		ET	09 56 41.2							
24	SSI	IP	09 55 21.6				217	34	.3	
24	AMA	IP	09 55 24.0				242	61	-.3	
		ET	09 57 43.2							
.....										
24	RAT	IP	12 15 21.9							
		I	12 15 23.7	198.3	.3					
		ES	12 15 46.9							
24	ANA	IP	12 15 25.2							
		ES	12 15 55.5							
24	AND	EP	12 15 27.5							
24	ASC	EP	12 15 31.0							
24	ASB	EP	12 15 31.5	17.6	.2					
24	SSI	EP	12 15 32.9							
		ES	12 15 47.6							
24	AMA	EP	12 15 45.4							
.....										
24	13 3	37.10	51.78 N 179.37 W	DEPTH = 106.0 KM			TELESEISMIC SOLUTION			
DELAROF ISLANDS, ALEUTIAN ISLANDS										
24	AMA	IP C	13 03 54.0	3.6	.1	2.69	58	162	.3	
		IS	13 04 6.3						.4	
24	SSI	IP D	13 03 55.0	14.6	.1	3.32	73	280	.2	
		IS	13 04 7.7						.0	
24	ASD	EP	13 03 57.2	4.8	.1	2.89	100	245	.2	
		ES	13 04 12.0						.4	
24	ASB	EP	13 03 57.9	3.0	.1	2.70	107	245	.2	
24	ASC	EP	13 03 58.0				108	251	.2	
24	AND	EP	13 03 59.2				119	259	.4	
		ES	13 04 15.4						.7	
24	ANA	IP	13 04 1.2				137	263	.5	
		ES	13 04 18.6						.6	
24	RAT	IP	13 04 3.1	3.6	.1	2.87	159	272	.1	
		ES	13 04 22.5						.6	
.....										
24	13 17	4.24	52.05 N 179.84 E	DEPTH = 207.7 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
24	SSI	EP	13 17 31.7	5.4	.1	3.08	25	226	.1	
24	ASD	IP	13 17 33.4	14.1	.1	3.53	81	206	.0	
		IS	13 17 54.6						-.1	
24	AND	IP	13 17 33.4				82	229	-.0	
24	ASC	IP	13 17 33.6				80	216	.2	
		ES	13 17 54.9						.3	
24	ASB	IP	13 17 33.8				87	209	.1	
		ES	13 17 54.9						-.3	
24	ANA	IP	13 17 34.0				94	241	-.0	
24	RAT	IP C	13 17 34.6	47.2	.1	4.07	108	256	-.2	
24	AMA	EP D	13 17 34.9	5.5	.1	3.14	111	139	-.1	
		I	13 17 51.1							

JAN 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
I			13 17 57.8							
.....										
24	13 28 43.60		49.21 N 156.12 E	DEPTH = 36.0 KM MB = 5.2 MS = 5.0 TELESEISMIC SOLUTION						
KURIL ISLANDS										
24	ASD	EP	12 15 32.9	39.2	.3		1666	73		
		ES	12 16 8.8							
24	ANA	IP	13 29 17.9				1619	72		
24	ASB	IP	13 29 18.2	4.1	.1		1659	73		
		ES	13 29 34.6							
24	AND	IP	13 29 18.3				1639	72		
		ES	13 29 35.7							
24	ASC	EP	13 29 18.6				1654	73		
24	ASD	EP	13 29 18.6	3.5	.1		1666	73		
		ES	13 29 36.5							
24	RAT	EP	13 29 19.1	9.8	.1		1596	71		
24	SSI	IP	13 29 26.5				1683	71		
		IS	13 29 50.6							
24	AMA	EP	13 29 29.6				1774	73		
		IS	13 29 56.7							
.....										
24	15 3 11.29		52.06 N 178.07 E	DEPTH = 149.6 KM						
RAT ISLANDS, ALEUTIAN ISLANDS				FREE DEPTH SOLUTION						
24	RAT	IP	15 03 31.8	22.4	.1	3.58	34	148	.0	
		IS	15 03 46.6						-.2	
24	ANA	IP D	15 03 33.2				63	139	.2	
		IS	15 03 49.2						.4	
24	AND	IP C	15 03 34.0				82	132	-.0	
		IS	15 03 50.6						-.1	
24	SSI	IP D	15 03 35.5	13.7	.1	3.43	106	99	-.2	
		IS	15 03 47.0						-6.5	
24	ASC	EP	15 03 35.6				100	131	.3	
24	ASB	EP	15 03 36.2	7.5	.1	3.18	112	133	.0	
		IS	15 03 53.8						-.6	
24	ASD	IP D	15 03 36.4	9.1	.1	3.27	115	130	-.0	
		IS	15 03 54.4						-.3	
24	AMA	EP	15 03 45.3				213	113	-.4	
		IS	15 04 11.5						.8	
.....										
24	15 42 18.00		51.46 N 178.99 E	DEPTH = 67.0 KM						
RAT ISLANDS, ALEUTIAN ISLANDS				TELESEISMIC SOLUTION						
24	AND	EP	15 42 27.9				12	349	-.1	
24	ASC	EP	15 42 28.1				12	87	.1	
24	ASB	IP C	15 42 28.3	9.5	.1	2.90	21	120	.0	
		ES	15 42 35.9						.1	
24	ASD	EP	15 42 28.4	3.5	.1	2.47	26	106	-.1	
24	ANA	EP	15 42 29.1				29	310	.4	
24	RAT	IP	15 42 30.9				59	310	-.1	
		ES	15 42 40.3						-.2	
24	SSI	IP	15 42 31.5				64	40	.1	
		IS	15 42 41.4						.1	
.....										
25	AMA	IP	16 18 57.2	32.4	.2	3.40				
		IS	16 19 12.3							
25	SSI	IP	16 19 11.9							
25	ASD	EP	16 19 12.5							
		ES	16 19 37.5							
25	ASB	EP	16 19 13.2							
25	ASC	EP	16 19 14.0							
		IS	16 19 47.0							

JAN 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
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25	AND	EP	16 19 16.7							
25	ANA	EP	16 19 19.5							
25	RAT	IP	16 19 22.8	30.6	.3					

24	16 38 53.61	51.17 N 178.55 E	DEPTH = 25.0 KM	FIXED DEPTH SOLUTION						
RAT ISLANDS, ALEUTIAN ISLANDS										
24	ASB	IP	16 39 3.1	9.0	.1	2.80	53	66	-.0	
		IS	16 39 9.5						-.6	
24	AND	IP	16 39 3.1				51	33	.1	
24	ASC	IP	16 39 3.3				53	53	.1	
24	ANA	IP	16 39 3.3				51	8	.4	
24	ASD	EP	16 39 3.9				60	66	-.3	
24	RAT	EP	16 39 5.7				71	347	-.2	
		ES	16 39 14.2						-.6	
24	SSI	EP	16 39 11.6	2.4	.1	2.48	107	41	.4	
		IS	16 39 24.4						.3	

24	18 25 23.49	51.79 N 178.33 W	DEPTH = 68.7 KM	FREE DEPTH SOLUTION						
DELAROF ISLANDS, ALEUTIAN ISLANDS										
24	AMA	EP	18 25 38.4				78	225	-.0	
		I	18 25 40.9	6.7	.1	2.90			-.0	
		I(S)	18 25 49.3						.1	
24	SSI	EP	18 25 46.1				144	275	.2	POOR S.
24	ASD	EP	18 25 48.9				167	256	.1	
24	ASB	EP	18 25 49.7				174	255	.1	
		E	18 25 58.0						.1	
24	ASC	EP	18 25 50.0				177	259	-.1	
24	AND	EP	18 25 51.3				189	263	.1	
24	ANA	EP	18 25 53.8				209	266	.1	
24	RAT	EP	18 25 56.1				230	272	-.3	

24	20 19 4.13	51.15 N 179.63 E	DEPTH = 36.3 KM	FREE DEPTH SOLUTION						
RAT ISLANDS, ALEUTIAN ISLANDS										
24	ASD	IP C	20 19 12.0	19.2	.1	3.06	34	324	-.1	
		ES	20 19 17.8						-.1	
24	ASB	IP C	20 19 12.3	7.5	.1	2.67	36	312	-.0	
		ES	20 19 18.3						.0	
24	ASC	IP C	20 19 13.9				48	318	.2	
24	AND	IP C	20 19 16.1				66	315	-.0	
24	SSI	IP	20 19 18.6	8.5	.1	2.95	83	358	.0	
		IS	20 19 29.1						.0	
24	ANA	EP	20 19 19.0				86	309	.1	
24	RAT	EP	20 19 23.1				116	309	-.0	
		I	20 19 24.1	13.1	.1	3.25				

24	21 47 49.21	51.62 N 179.79 W	DEPTH = 24.8 KM	FREE DEPTH SOLUTION						
DELAROF ISLANDS, ALEUTIAN ISLANDS										
24	SSI	IP C	21 47 58.9	102.0	.1	3.85	53	306	.2	
		IS	21 48 5.4						-.3	
24	AMA	EP	21 47 59.6				60	127	-.1	
		ES	21 48 7.7						.3	
24	ASD	IP C	21 48 .4	38.8	.1	3.50	65	248	-.1	
24	ASB	IP D	21 48 1.6	35.6	.1	3.50	72	247	-.0	
		IS	21 48 10.6						-.1	
24	ASC	IP	21 48 2.0				74	257	.1	
24	AND	IP C	21 48 3.6				87	267	-.2	
24	ANA	EP	21 48 6.8				107	271	.0	
24	RAT	IP	21 48 10.3	54.6	.1	3.91	131	280	-.1	

JAN 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
		ES	21 48 26.3						.5	
24	22 57 48.03		52.25 N 176.25 W				DEPTH = 200.0 KM			FIXED DEPTH SOLUTION
			ANDREANOF ISLANDS, ALEUTIANS ISLANDS							
24	AMA	EP	22 58 27.1	23.8	.1		224	243	-.1	
		ES	22 58 56.4						.6	
24	SSI	EP	22 58 33.6	3.9	.1		288	264	.0	
		ES	22 59 6.8						.0	
24	ASD	EP	22 58 36.7	3.1	.1		318	254	-.1	
		ES	22 59 12.7						.3	
24	ASB	EP	22 58 37.5	3.4	.1		326	254	-.1	
		ES	22 59 13.0						-.8	
24	ASC	EP	22 58 37.8				327	256	.0	
24	AND	EP	22 58 38.7				338	259	-.3	
24	ANA	EP	22 58 40.8				356	261	-.1	
24	RAT	EP	22 58 43.5				375	264	.5	
24	23 16 31.10		56.41 N 152.99 W				DEPTH = 38.0 KM			TELESEISMIC SOLUTION
			KODIAK ISLAND REGION				MB = 5.2	MS = 5.1		
25	ANA	EP	00 14 6.1							
25	AND	EP	00 14 8.7							
25	ASC	EP	00 14 11.8							
25	ASB	EP	00 14 12.2							
25	ASD	EP	00 14 13.5							
25	0 18 26.10		9.60 S 151.35 E				DEPTH = 38.0 KM			TELESEISMIC SOLUTION
			DENTRECASTEAUX ISLANDS REGION				MB = 5.8	MS = 6.3		
25	ADK	EP	00 29 18.0				7465	21		
25	1 1 52.55		51.60 N 178.93 E				DEPTH = 66.4 KM			FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
25	AND	IP C	01 02 2.3				5	156	-.0	
		IS	01 02 9.3						-.1	
25	ANA	EP	01 02 2.8				18	279	.1	
25	ASC	IP	01 02 3.0				23	133	.2	
		IS	01 02 10.7						.4	
25	ASB	EP	01 02 3.4	2.2	.1	2.29	35	140	-.1	
		ES	01 02 11.3						-.2	
25	ASD	EP	01 02 3.6	2.2	.1	2.30	37	129	-.1	
25	RAT	IP C	01 02 4.3	3.6	.1	2.53	47	298	-.1	
		IS	01 02 13.0						-.0	
25	SSI	IP C	01 02 5.3	14.6	.1	3.17	56	54	.1	
		IS	01 02 14.3						-.1	
25	1 37 49.51		50.18 N 179.81 E				DEPTH = 8.2 KM			FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
25	ASD	EP	01 38 12.0	1.3	.1	2.29	139	346	-.1	
		ES	01 38 28.5						-.0	
25	ASB	EP	01 38 12.4				137	343	.5	
		ES	01 38 28.2						.0	
25	AMA	EP	01 38 13.0	1.7	.1	2.44	145	31	-.1	
25	ASC	EP	01 38 14.0				150	343	.2	
25	AND	EP	01 38 15.4				165	339	-.7	
25	SSI	IP	01 38 20.2	2.9	.1	2.78	191	355	.1	
25	RAT	EP	01 38 22.6				208	331	.1	

JAN 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
25	3 14	49.50	51.25 N 179.18 W	DEPTH = 28.3 KM			FREE DEPTH SOLUTION			
			DELAROF ISLANDS, ALEUTIAN ISLANDS							
25	AMA	IP D	03 14 54.4	49.7	.1	3.26	6	47	.1	
		IS	03 14 57.6						-.1	
25	ASD	EP	03 15 6.6	1.7	.1	2.32	104	279	-.1	
		ES	03 15 19.1						-.2	
25	ASB	EP	03 15 7.7	3.2	.1	2.62	110	277	.0	
		ES	03 15 21.0						.1	
25	SSI	IP D	03 15 8.0	11.7	.1	3.18	112	310	.2	
		IS	03 15 20.9						-.3	
25	ASC	EP	03 15 8.9				118	282	.1	
		ES	03 15 22.7						-.1	
25	AND	EP	03 15 10.9				135	286	-.4	
		ES	03 15 27.7						.6	
25	ADK	EP C	03 15 28.1							
		ES	03 15 47.5							
25	AMA	IP	03 15 48.5	15.2	.1					
		IS	03 16 22.7							
25	SSI	EP	03 15 57.1	8.0	.1					
		IS	03 16 38.7							
25	ASD	IP	03 16 .8	4.3	.1					
		ES	03 16 43.1							
25	ASB	EP	03 16 1.2	6.0	.1					
		ES	03 16 44.7							
25	ASC	IP	03 16 1.9							
		ES	03 16 46.2							
25	AND	EP	03 16 3.3							
		ES	03 16 48.6							
25	ANA	EP	03 16 5.5							
25	RAT	EP	03 16 7.6	3.8	.1					
		IS	03 16 57.5							
25	3 44	17.45	51.32 N 179.38 W	DEPTH = 60.6 KM			FREE DEPTH SOLUTION			
			DELAROF ISLANDS, ALEUTIAN ISLANDS							
25	AMA	IP	03 44 26.9	12.4	.1	2.97	19	101	-.0	
		ES	03 44 34.0						.2	
25	ASD	EP	03 44 32.6	1.7	.1	2.31	89	275	-.6	
		ES	03 44 44.1						-.5	
25	SSI	IP	03 44 33.6	5.6	.1	2.86	95	312	-.3	
		IS	03 44 46.0						.1	
25	ASB	EP	03 44 33.9				95	273	.0	
		ES	03 44 46.0						.1	
25	ASC	IP	03 44 34.7				102	279	.0	
		ES	03 44 47.4						.1	
25	AND	EP	03 44 37.4				119	284	.8	
		ES	03 44 51.0						.4	
25	4 58	55.20	51.66 N 176.57 W	DEPTH = 69.0 KM			TELESEISMIC SOLUTION			
			ANDREANOF ISLANDS, ALEUTIANS ISLANDS							
25	ADK	EP	04 59 5.9				26	343	-.1	
		ES	04 59 14.1						.3	
25	AMA	EP	04 59 22.3	11.2	.1	3.37	181	258	.2	
		IS	04 59 42.8						1.1	
25	SSI	EP	04 59 32.8				266	277	.3	
25	ASD	EP	04 59 35.2				285	266	.4	
25	ASB	EP	04 59 35.8				292	265	.2	
		ES	05 00 8.6						.1	
25	ASC	EP	04 59 37.1				296	267	1.0	

JAN 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
25	10 24	13.00	50.50 N 175.59 E	DEPTH = 0.0 KM		FIXED DEPTH SOLUTION				
RAT ISLANDS, ALEUTIAN ISLANDS										
25	RAT	IP	10 24 50.2	18.0	.1		239	52	-.8	
		I	10 24 50.9							
		IS	10 25 18.1						-.7	
25	ANA	IP	10 24 52.6				248	59	.5	
		I	10 24 53.4							
		ES	10 25 20.8						.1	
25	ASB	EP	10 24 55.1	2.3	.1		273	68	-.1	
		ES	10 25 25.5						-.5	
25	ASD	EP	10 24 55.8	2.2	.1		281	68	-.3	
		ES	10 25 27.3						-.3	
25	SSI	IP	10 25 1.6	30.7	.1		319	59	.8	
		ES	10 25 36.9						1.2	
25	10 36	33.15	51.24 N 179.96 W	DEPTH = 38.3 KM		FREE DEPTH SOLUTION				
DELAROF ISLANDS, ALEUTIAN ISLANDS										
25	ASD	IP D	10 36 43.6	9.8	.1	2.87	51	289	.2	
		IS	10 36 49.9						-1.0	
25	AMA	IP C	10 36 44.3	1.4	.1	2.07	59	85	-.1	
		IS	10 36 52.4						-.3	
25	ASB	IP	10 36 44.4	7.3	.1	2.77	57	284	.3	
		ES	10 36 51.7						-.4	
25	ASC	IP D	10 36 45.6				66	292	.3	
		IS	10 36 53.9						-.2	
25	SSI	IP D	10 36 47.2	2.4	.1	2.39	79	337	.1	
		IS	10 36 57.2						-.1	
25	AND	EP	10 36 47.9				84	296	.1	
25	ANA	EP	10 36 50.4				105	294	-.3	
		ES	10 37 3.8						.4	
25	RAT	IP D	10 36 54.2				134	298	-.0	
		IS	10 37 9.4						-.2	
25	13 59	13.02	50.99 N 179.74 W	DEPTH = 34.6 KM		FREE DEPTH SOLUTION				
DELAROF ISLANDS, ALEUTIAN ISLANDS										
25	ANA	EP	13 59 23.7	4.5	.1	2.54	55	53	.2	
25	ASD	EP	13 59 26.3				78	305	-.3	
25	ASB	EP	13 59 27.1				82	301	-.1	
		ES	13 59 37.6						.1	
25	ASC	EP	13 59 28.7				93	305	-.0	
25	SSI	IP C	13 59 31.1				111	335	-.3	
		IS	13 59 44.7						-.1	
25	AND	EP	13 59 31.6				111	305	.2	
		ES	13 59 45.4						.6	
25	RAT	EP C	13 59 37.9				161	305	.1	
25	ANA	IP	15 07 50.3							
		IS	15 07 57.6							
25	RAT	IP	15 07 50.9	7.7	.1					
25	AND	EP	15 07 51.6							
		ES	15 07 59.0							
25	SSI	IP	15 08 0.0	6.8	.1	2.99				
		IS	15 08 14.1							

JAN 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
25	15 59	17.80	52.03 N 179.12 E	DEPTH = 162.0 KM			TELESEISMIC SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
25	SSI	IP	15 59 40.1	3.7	.1	2.83	36	115	.3	
25	AND	IP D	15 59 40.6				53	192	.2	
		IS	15 59 57.1						.1	
25	ANA	IP D	15 59 40.8				55	215	.3	
25	RAT	IP D	15 59 41.0	20.2	.1	3.58	60	245	.3	
		ES	15 59 57.9						.4	
25	ASC	EP	15 59 41.4				63	177	.5	
		IS	15 59 58.2						.5	
25	ASD	IP D	15 59 41.5	3.9	.1	2.88	72	168	.1	
		IS	15 59 58.5						-.1	
25	ASB	EP	15 59 41.7	3.6	.1	2.85	75	173	.2	
		IS	15 59 59.1						.3	
25	AMA	IP D	15 59 47.0	7.4	.1	3.24	147	123	.2	
25	16 8	15.10	51.47 N 177.69 W	DEPTH = 38.0 KM			TELESEISMIC SOLUTION			
ANDREANOF ISLANDS, ALEUTIANS ISLANDS										
25	AMA	IP D	16 08 30.4				100	259	-1.7	
25	ADK	IP D	16 08 31.1				84	56	1.4	FELT V ADK
		ES	16 08 43.3						2.9	
25	ASD	EP	16 08 44.6				206	269	-.5	
25	SSI	IP C	16 08 44.7				194	285	1.1	
25	ASB	EP	16 08 45.3				213	268	-.7	
25	ASC	EP	16 08 46.1				218	271	-.5	
25	AND	EP	16 08 48.8				233	274	.4	
25	ANA	EP	16 08 52.0				253	275	1.1	
25	RAT	IP D	16 08 55.0				277	279	1.1	
25	SMY	EP	16 09 33.2				578	287	2.1	
25	CSA	E(P)	16 10 21.0				925	63	7.1	
25	GMA	EP	16 12 6.0				1822	25	1.4	
25	AMA	IP	16 30 55.3	34.6	.1					
25	SSI	EP	16 31 10.0							
		I	16 31 32.6							
25	ASD	EPN	16 31 10.5							
		IPG	16 31 12.8	3.6	.1					
		IS	16 31 36.4							
25	ASB	EPN	16 31 11.4							
		IPG	16 31 13.5	6.0	.1					
25	ASC	EPN	16 31 12.2							
		IPG	16 31 14.2							
25	AND	EPN	16 31 14.4							
		ES	16 31 44.6							
25	ANA	EPN	16 31 17.2							
25	RAT	EP	16 31 20.6							
25	16 35	41.24	52.16 N 178.51 E	DEPTH = 172.0 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
25	RAT	IP D	16 36 4.5	19.7	.1	3.58	41	197	-.2	
		IS	16 36 21.6						-.2	
25	ANA	IP C	16 36 5.4				60	170	.1	
25	AND	EP	16 36 5.9				73	155	-.0	
25	SSI	IP D	16 36 6.5	12.2	.1	3.40	80	111	.2	
25	ASC	EP	16 36 6.9				89	149	.0	
25	ASB	IP	16 36 7.8	6.6	.1	3.15	102	150	.1	
		ES	16 36 27.0						.0	
25	ASD	EP	16 36 7.8				103	146	.1	
25	AMA	EP D	16 36 14.7				190	119	-.3	

JAN 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
25	17 38	12.50	51.04 N 177.56 W	DEPTH = 33.0 KM			TELESEISMIC SOLUTION			
ANDREANOF ISLANDS, ALEUTIANS ISLANDS										
25	AMA	IPNC	17 38 29.2	36.8	.1	3.69	112	285	-1.8	
		IPG	17 38 31.9							
		ES	17 38 43.9						-.6	
25	ADK	EP	17 38 30.8				112	32	-.2	
		ES	17 38 42.8						-1.6	
25	ASD	EP	17 38 43.9	4.3	.1		220	281	-.8	
		ES	17 39 10.8						2.7	
25	SSI	EPN	17 38 44.2				220	297	-.4	
		ES	17 39 8.7						.6	
25	ASB	EP	17 38 45.3	17.4	.2		226	280	-.1	
		ES	17 39 12.0						2.6	
25	ASC	EP	17 38 46.7				233	283	.4	
25	AND	EP	17 38 49.1				250	285	.7	
25	ANA	EP	17 38 51.2				271	285	.2	
25	RAT	EP	17 38 54.3	24.6	.2		298	288	-.0	
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25	18 57	24.37	51.87 N 177.92 E	DEPTH = 86.8 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
25	RAT	IP C	18 57 37.4	34.2	.1	3.56	29	104	.1	
		IS	18 57 46.6						-.1	
25	ANA	EP	18 57 39.1				58	117	.1	
25	AND	EP	18 57 40.6				79	115	-.2	
		IS	18 57 52.6						-.2	
25	ASC	EP	18 57 42.8				97	117	.2	
		IS	18 57 56.3						.5	
25	ASB	EP	18 57 43.4				108	121	-.2	
25	ASD	EP	18 57 44.1				112	118	.0	
		IS	18 57 58.3						-.1	
25	SSI	IP C	18 57 44.4	18.8	.1	3.48	115	88	.0	
		IS	18 57 59.0						-.0	
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25	18 59	56.20	51.19 N 177.36 W	DEPTH = 33.0 KM			TELESEISMIC SOLUTION			
ANDREANOF ISLANDS, ALEUTIANS ISLANDS										
25	ADK	EP	19 00 11.7				90	31	.1	
		ES	19 00 23.2						.5	
25	AMA	IP C	19 00 14.3				123	276	-2.0	
		I	19 00 17.0	41.1	.1	3.77				
25	SSI	IP	19 00 28.5				226	292	-.6	
		IS	19 00 53.2						.1	
25	ASD	EP	19 00 29.0	11.3	.2		231	277	-.7	
		IS	19 00 55.8						1.6	
25	ASB	EP	19 00 30.7	11.5	.2		237	276	.2	
		ES	19 00 57.9						2.3	
25	ASC	EP	19 00 31.3				244	279	-.0	
		IS	19 00 59.7						2.7	
25	AND	EP	19 00 33.7				260	281	.4	
25	ANA	EP	19 00 35.9				281	282	.0	
25	RAT	EP	19 00 39.5	30.5	.2		307	284	.4	
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25	SSI	EP	19 03 11.1							
25	RAT	IP	19 03 13.9	23.5	.1	2.80				
		IS	19 03 16.1							

JAN 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
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25	20 27 41.91		51.72 N 177.83 E	DEPTH = 73.2 KM		FREE DEPTH SOLUTION				
RAT ISLANDS, ALEUTIAN ISLANDS										
25	RAT	EP	20 27 53.8	24.6	.1	3.37	36	76	.1	
		IS	20 28 2.0						-.2	
25	ANA	IP	20 27 55.4				59	100	.0	SMALL AMP
25	AND	EP	20 27 57.2				80	102	-.2	
25	ASC	EP	20 27 59.4				97	107	.2	
		ES	20 28 12.6						.8	
25	ASB	EP	20 27 59.9	1.9	.1	2.44	106	112	-.3	
25	ASD	EP	20 28 .7				111	109	-.1	
		ES	20 28 14.2						-.3	
25	SSI	IP D	20 28 2.3	2.9	.1	2.66	123	80	.2	
		IS	20 28 16.5						-.3	

25	AMA	EP	20 49 .7							
25	SSI	EP	20 49 15.8							

25	23 16 49.80		50.95 N 178.27 W	DEPTH = 23.0 KM		TELESEISMIC SOLUTION				
DELAROF ISLANDS, ALEUTIAN ISLANDS										
25	AMA	IP D	23 17 2.2	97.3	.1	3.93	70	303	.4	
		IS	23 17 9.6						-.9	
25	ADK	EP	23 17 14.2				151	46	.2	
		ES	23 17 30.3						-1.3	
25	ASD	EP	23 17 16.1				174	287	-1.1	
		IS	23 17 39.2						2.0	
25	ASB	EP	23 17 17.1				180	286	-.8	
25	SSI	IP	23 17 17.2				182	306	-1.0	
25	ASC	EP	23 17 18.2				188	289	-.7	
25	AND	IP D	23 17 21.1				205	290	.0	
25	RAT	EP	23 17 27.5				255	293	.3	
		I	23 17 29.9							

26	ASB	IP	00 13 22.6	4.6	.1					
26	ASD	IP	00 13 22.8	6.2	.1					
26	ASC	EP	00 13 24.2							
26	AND	EP	00 13 26.1							

26	0 15 38.35		51.10 N 179.27 E	DEPTH = 30.2 KM		FREE DEPTH SOLUTION				
RAT ISLANDS, ALEUTIAN ISLANDS										
26	ASB	IP C	00 15 45.3	35.6	.1	3.27	29	357	.1	
		ES	00 15 50.2						-.0	
26	ASD	IP D	00 15 45.5	43.1	.1	3.38	33	9	-.2	
26	ASC	IP D	00 15 46.9				41	350	.2	
26	AND	IP D	00 15 48.7				56	337	.0	
		IS	00 16 1.4						5.2	
26	ANA	EP	00 15 50.9				73	325	-.1	

26	AMA	IP D	01 45 16.1	42.8	.1	3.35				
		IS	01 45 20.7							
26	ASD	EP	01 45 27.0							
		I	01 45 28.1							
		IS	01 45 41.2							
26	ASB	EP	01 45 28.1							
		IS	01 45 43.2							
26	ASC	EP	01 45 29.0							
		IS	01 45 45.3							
26	AND	EP	01 45 31.2							
26	ANA	EP	01 45 34.3							

JAN 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
26	2 17	28.32	50.46 N 178.32 E	DEPTH = 29.0 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
26	ASD	IP C	02 17 48.8	2.8	.1	2.61	126	34	-.0	
		ES	02 18 3.3						-.5	
26	ASC	EP C	02 17 49.1				126	28	.2	
26	AND	EP C	02 17 49.5				131	20	-.0	
		ES	02 18 5.1						.2	
26	ANA	IP D	02 17 49.7				132	10	-.0	
26	RAT	IP	02 17 51.6				149	0	-.5	
26	SSI	IP	02 17 57.1	7.3	.1	3.17	182	29	.9	
		I(S)	02 18 18.2						-.3	
		I	02 18 21.2							
26	AMA	EP	02 17 58.4				203	62	-.3	
26	4 24	52.14	52.09 N 177.91 E	DEPTH = 143.5 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
26	RAT	IP D	04 25 12.0	248.3	.1	4.61	43	138	-.2	
		IS	04 25 26.9						-.0	
26	ANA	IP D	04 25 13.9				73	134	.2	
26	AND	IP D	04 25 15.0				93	129	.0	
		IS	04 25 31.6						-.1	
26	ASC	IP D	04 25 16.7				111	128	.3	
26	SSI	IP D	04 25 17.0				117	100	.1	
26	ASB	IP D	04 25 17.3	34.4	.1	3.85	123	131	-.1	
		IS	04 25 35.8						.0	
26	ASD	IP C	04 25 17.5	29.4	.1	3.78	126	128	-.1	
26	AMA	EP	04 25 27.2				224	112	-.2	
26	4 36	53.30	51.98 N 176.85 W	DEPTH = 33.0 KM			TELESEISMIC SOLUTION			
			ANDREANOF ISLANDS, ALEUTIANS ISLANDS							
26	ADK	EP C	04 36 59.9				15	134	.7	
		ES	04 37 9.2						5.7	
26	AMA	EP	04 37 18.9				174	245	-.9	
		ES	04 37 43.6						4.4	
26	SSI	EP	04 37 26.9				245	269	-1.7	
26	ASD	EP	04 37 31.3	6.4	.2		271	258	-.5	VERY EMERGENT
		E	04 38 13.4							
26	ASB	EP	04 37 33.0				278	257	.3	
26	ASC	EP	04 37 33.7				281	260	.7	
26	AND	EP	04 37 35.2				293	263	.7	
26	RAT	EP	04 37 40.3				332	268	1.0	
26	6 22	35.31	51.27 N 177.49 W	DEPTH = 0.0 KM			FIXED DEPTH SOLUTION			
			ANDREANOF ISLANDS, ALEUTIANS ISLANDS							
26	ADK	EP	06 22 52.1				88	39	1.0	
		ES	06 23 3.7						1.1	
26	AMA	IP	06 22 54.6				113	272	-.2	
		I	06 22 57.9	26.2	.1	3.53				
		ES	06 23 9.6						.5	
26	SSI	EP	06 23 9.6				214	290	-.5	
26	ASD	EP	06 23 10.8	2.5	.1		221	275	-.3	
		ES	06 23 37.5						.4	
26	ASB	EP	06 23 11.8				227	274	-.1	
26	ASC	EP	06 23 12.7				234	277	.1	
26	AND	EP	06 23 14.5				249	279	-.1	
26	RAT	EP	06 23 20.7				296	283	.4	

JAN 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
26	RAT	EP	06 49 18.5	23.2	.1					
		IS	06 49 46.6							
26	ANA	EP	06 49 20.7							
26	AND	EP	06 49 22.2							
26	ASB	EP	06 49 23.6	3.9	.1					
		ES	06 49 54.1							
26	ASD	EP	06 49 24.4							
26	SSI	IP	06 49 29.9	40.6	.2					
		IS	06 50 5.4							

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26	7 47 1.09	52.02 N 175.90 W	DEPTH = 125.0 KM	FIXED DEPTH SOLUTION						
ANDREANOF ISLANDS, ALEUTIANS ISLANDS										
26	AMA	IP D	07 47 36.9	69.2	.1		236	251	.3	
		IS	07 48 2.7						.1	
26	SSI	IP	07 47 44.9	16.2	.2		310	269	-.3	
		IS	07 48 18.1						.8	
26	ASD	EP	07 47 48.2	3.4	.1		335	260	-.0	
26	ASB	EP	07 47 49.1	8.5	.1		343	260	.0	
		ES	07 48 23.3						-.8	
26	ASC	IP	07 47 49.7				346	262	.3	
26	AND	IP D	07 47 50.5				358	264	-.4	

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26	8 6 44.00	58.50 N 154.77 W	DEPTH = 33.0 KM	TELESEISMIC SOLUTION						
ALASKA PENINSULA										

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26	8 28 4.63	51.99 N 178.07 E	DEPTH = 185.1 KM	FREE DEPTH SOLUTION						
RAT ISLANDS, ALEUTIAN ISLANDS										
26	RAT	IP	08 28 29.1	16.4	.1	3.52	27	140	-.2	
		IS	08 28 47.6						.3	
26	ANA	IP C	08 28 30.3				57	135	.2	
		IS	08 28 48.4						-.4	
26	AND	IP C	08 28 30.9				77	128	-.1	
26	SSI	IP C	08 28 31.6	6.1	.1	3.14	104	95	-1.0	
		ES	08 28 53.9						.9	
26	ASC	EP C	08 28 32.5				95	127	.5	
26	ASB	EP D	08 28 33.0	3.3	.1	2.88	107	130	.3	
		ES	08 28 52.4						-.9	
26	ASD	EP C	08 28 33.2	4.3	.1	3.00	110	127	.3	

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26	12 17 59.93	51.46 N 178.09 E	DEPTH = 51.6 KM	FREE DEPTH SOLUTION						
RAT ISLANDS, ALEUTIAN ISLANDS										
26	RAT	IP C	12 18 9.8	4.9	.1	2.58	41	24	-.2	
		IS	12 18 17.3						-.0	
26	ANA	EP	12 18 10.4				44	65	.2	
		IS	12 18 18.1						.3	
26	AND	EP	12 18 12.0				61	79	-.0	
		IS	12 18 20.6						-.3	
26	ASC	EP	12 18 13.7				75	89	.1	
26	ASB	EP	12 18 14.2	1.0	.1	2.04	81	97	-.2	
26	ASD	EP	12 18 15.1				87	95	-.0	
26	SSI	IP C	12 18 18.6				114	65	.2	
		I(S)	12 18 31.6						-.2	

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JAN	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
26	15 30	52.86	51.70 N 179.96 E	DEPTH = 21.1 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
26	SSI	IP	15 30 59.7	5.9	.1	2.47	34	310	.2	
		IS	15 31 4.2						-.2	
26	ASD	EP	15 31 2.4				55	232	-.2	
26	ASB	EP	15 31 3.6				62	233	-.0	
		ES	15 31 11.2						-.3	
26	ASC	EP	15 31 4.1				61	245	.6	
26	AMA	EP	15 31 6.0				79	125	-.1	
26	RAT	IP	15 31 11.0	5.7	.1	2.87	113	276	-.3	
26	AMA	IP	15 31 56.7	20.7	.1					
26	SSI	IP	15 32 11.5	9.5	.1					
		IS	15 32 35.9							
26	ASD	EP	15 32 11.7	2.7	.1					
		ES	15 32 38.1							
26	ASB	EP	15 32 13.7	2.9	.1					
26	ASC	EP	15 32 14.8							
26	AND	EP	15 32 16.4							
26	ANA	EP	15 32 19.2							
26	RAT	IP	15 32 22.0							
26	17 15	58.70	50.89 N 179.09 E	DEPTH = 25.5 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
26	ASB	EP	17 16 8.5	6.6	.1	2.67	54	11	.1	
		ES	17 16 15.7						.2	
26	ASD	EP	17 16 9.0	7.8	.1	2.78	59	17	-.1	
		ES	17 16 16.4						-.3	
26	ASC	EP C	17 16 10.0				64	4	.1	
26	ANA	EP	17 16 13.3				88	340	-.1	
26	SSI	IP	17 16 17.8				117	17	.0	
		IS	17 16 31.7						.0	
26	ANA	IP	17 17 21.5							
26	AND	IP D	17 17 22.1							
		IS	17 17 38.9							
26	ASD	EP	17 17 24.3							
26	18 10	2.40	49.92 N 177.72 E	DEPTH = 33.0 KM			TELESEISMIC SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
26	ASB	EP	18 10 30.8				194	33	-.5	
		ES	18 10 48.1						-4.3	
26	ASD	EP	18 10 31.2	1.4	.1		200	34	-.9	
		IS	18 10 48.5						-5.3	
26	ASC	EP	18 10 31.4				200	30	-.7	
26	AND	IP	18 10 31.6				203	25	-.9	
26	ANA	EP	18 10 31.8				202	19	-.5	
		ES	18 10 51.1						-3.0	
26	RAT	IP C	18 10 33.4				214	11	-.4	
26	SSI	IP C	18 10 39.5	14.9	.1		256	30	.5	
		IS	18 11 3.3						-2.5	
26	AMA	EP	18 10 40.7				271	55	-.2	
		IS	18 11 5.7						-3.3	

JAN 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
26	19 32	4.90	51.67 N 174.92 W	DEPTH = 36.0 KM MB = 5.4 MS = 5.5			TELESEISMIC SOLUTION ANDREANOF ISLANDS, ALEUTIANS ISLANDS			
26	ADK	IP	19 32 25.0				124	282	-0.0	ML5.2 D1.4 FELT
		ES	19 32 42.6						2.9	
26	AMA	EP	19 32 44.3				294	263	-1.6	
		I	19 32 45.5							
26	SSI	EP	19 32 57.7				379	276	1.2	
26	ASD	IP	19 32 59.3				399	268	.4	VERY LARGE OVERLOADED ALL LEVELS
26	ASB	EP	19 33 .5				406	268	.8	
26	ASC	EP	19 33 1.1				410	269	.8	
26	AND	EP	19 33 2.7				424	271	.7	
26	ANA	EP	19 33 5.5				444	272	1.1	
26	RAT	EP	19 33 8.3				466	274	1.1	
26	SMY	EP	19 33 46.0				758	283	2.8	
26	GSA	EP	19 33 51.4				745	60	9.7	
26	GMA	EP	19 35 45.4				1723	22	3.0	
26	19 45	53.10	51.49 N 174.91 W	DEPTH = 50.0 KM MB = 4.3			TELESEISMIC SOLUTION ANDREANOF ISLANDS, ALEUTIANS ISLANDS			
26	ADK	IP D	19 46 12.9				130	290	-0.5	UNUSUAL ONSET REGIONAL
		ES	19 46 28.4						.1	
26	AMA	EP	19 46 32.4	54.0	.3		292	267	-1.1	
26	SSI	EP	19 46 45.3				382	279	.8	
26	ASD	EP	19 46 47.5				399	271	.9	
26	ASB	EP	19 46 48.4				406	270	1.0	
		E	19 47 44.7							
26	ASC	EP	19 46 49.6				411	272	1.6	
26	AND	EP	19 46 51.4				425	273	1.6	
26	ANA	EP	19 46 54.3				445	274	2.0	
26	RAT	EP	19 46 57.0				468	277	1.9	
		I	19 47 14.6							
26	GMA	EP	19 49 35.5				1741	22	3.2	
26	ADK	EP	20 20 21.7							
		ES	20 20 56.7							
26	ADK	EP	20 30 4.1							
		ES	20 30 19.8							
26	20 38	41.39	51.24 N 177.68 E	DEPTH = 29.0 KM			FREE DEPTH SOLUTION RAT ISLANDS, ALEUTIAN ISLANDS			
26	RAT	IP C	20 38 54.4	37.3	.1	3.55	77	36	-0.2	
		IS	20 39 4.3						.1	
26	ANA	IP C	20 38 55.5				81	57	.4	
26	AND	IP	20 38 57.3				95	67	-0.0	
26	ASC	EP	20 38 59.0				106	76	.1	
26	ASB	IP C	20 38 59.5	5.2	.1	2.83	110	82	.0	
		ES	20 39 12.6						-0.0	
26	ASD	EP	20 39 .4				117	81	-0.1	
		ES	20 39 14.4						-0.0	
26	SSI	IP	20 39 5.4	39.9	.1	3.83	151	60	.0	
26	20 39	27.20	50.87 N 178.79 W	DEPTH = 48.5 KM			FREE DEPTH SOLUTION DELAROF ISLANDS, ALEUTIAN ISLANDS			
26	AMA	IP C	20 39 38.2	30.3	.1	3.40	52	335	.1	
		IS	20 39 42.6						-3.4	
26	ASD	IPND	20 39 48.2				143	295	-0.9	
		IPG	20 39 49.3	9.8	.1	3.21				

JAN 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.	26	ASB	ES	20 40 2.7					-2.3	.
.	26	ASB	EP	20 39 49.3			147	292	-.4	.
.	26	ASC	IPN	20 39 50.4			157	296	-.5	.
.	26	SSI	IPG	20 39 51.4						.
.	26	SSI	IP	20 39 50.8	11.1	.1	3.31	160	316	-.4
.	26	AND	EP	20 39 53.4			175	297	.3	.
.	26	ANA	EP	20 39 56.5			196	296	.8	.
.	26		ES	20 40 16.5					.0	.
.	26	RAT	EP	20 40 .1			225	298	.8	.
.....										
.	26	21 52 24.80	51.62 N 174.98 W	DEPTH = 55.0 KM	MB = 4.3					TELESEISMIC SOLUTION
.			ANDREANOF ISLANDS, ALEUTIANS ISLANDS							.
.	26	ADK	IP D	21 52 43.7			121	285	-.4	ML4.3 D1.2
.	26		ES	21 52 59.2					.9	.
.	26	AMA	IP	21 53 4.6			289	264	-.1	.
.	26		I	21 53 8.9	340.0	.3				.
.	26	SSI	IP	21 53 16.7			375	277	1.3	.
.	26	ASD	IP D	21 53 18.4			394	269	.7	.
.	26		E	21 54 22.4	194.2	.3				.
.	26	ASB	EP	21 53 19.4			401	268	.8	.
.	26		E	21 54 9.5						.
.	26	ASC	EP	21 53 20.2			406	270	1.0	.
.	26	AND	EP	21 53 21.8			420	271	.9	.
.	26	ANA	EP	21 53 24.8			439	273	1.5	.
.	26	RAT	EP	21 53 27.7			462	275	1.6	.
.	26		ES	21 54 23.9					13.1	.
.	26	GMA	EP	21 56 14.2			1729	22	11.7	.
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26	ADK	EP D	22 16 16.1							REGIONAL
26	AMA	EP	22 16 36.9	19.8	.2					
26	SSI	EP	22 16 49.6							
26	ASD	EPN	22 16 50.6							
26	ASB	EPG	22 16 58.8	4.8	.1					
26		EP	22 16 51.9							
26		ES	22 17 50.2							
26	ASC	EP	22 16 52.7							
26	AND	EP	22 16 55.2							
26	ANA	EP	22 16 57.2							
26	RAT	EP	22 17 .5							
26	GMA	EP	22 19 47.5							
26	ADK	EP	22 47 3.2							
26		ES	22 47 17.9							
26	ASD	IP	23 58 43.9	2.7	.1	2.29				
26	ASB	IP	23 58 44.0	2.5	.1	2.27				
26		IS	23 58 50.8							
26	ASC	EP	23 58 45.6							
26	AND	EP	23 58 48.0							
27	AMA	IP C	00 30 22.6	19.7	.1	3.21				
27		IS	00 30 30.3							
27	SSI	IP	00 30 38.1	6.8	.1	3.13				
27		IS	00 30 58.2							
27	AMA	IP	00 38 6.6	11.9	.1	2.79				
27		IS	00 38 11.2							
27	ASD	EP	00 38 22.2							FROM BRUSH RCDR
27		ES	00 38 39.9							
27	SSI	IP	00 38 22.7							
27		IS	00 38 40.0							
27	ASB	E(P)	00 38 24.5							
27	ASC	EP	00 38 25.3							
27	AND	EP	00 38 27.3							
27	ANA	E(P)	00 38 30.3							QP

JAN 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
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27	1 17 45.21	51.90 N 178.78 W DEPTH = 118.8 KM					FREE DEPTH SOLUTION				
	DELAROF ISLANDS, ALEUTIAN ISLANDS										
27	AMA	IP D	01 18 4.0	173.0	.1	4.42	71	199	-.1		
		IS	01 18 17.9						.1		
27	SSI	IP C	01 18 7.3				112	270	-.0		
27	ADK	EP	01 18 10.0				144	90	-.4		
		ES	01 18 29.0						.2		
27	ASD	IP C	01 18 10.1				141	247	-.0	WHITE OUT	
		ES	01 18 28.4						.1		
27	ASB	IP D	01 18 10.9				149	247	.0		
		ES	01 18 29.4						-.2		
27	ASC	IP C	01 18 11.1				150	252	.1		
27	AND	IP C	01 18 12.0				160	258	-.1		
27	ANA	EP C	01 18 14.2				179	261	.2		
27	RAT	IP	01 18 16.2				199	268	-.1		
		IS	01 18 39.0						.1		

27	1 26 55.37	51.40 N 178.55 E DEPTH = 35.0 KM					FREE DEPTH SOLUTION				
	RAT ISLANDS, ALEUTIAN ISLANDS										
27	ANA	IPGC	01 27 2.9				27	17	.4		
27	AND	IPGC	01 27 3.5				34	57	.3		
		ES	01 27 9.0						.1		
27	ASC	IPGC	01 27 4.6				43	80	.3		
27	RAT	IP D	01 27 4.7	136.6	.1	3.98	47	341	-.1		
		IS	01 27 11.1						-.6		
27	ASB	IPGD	01 27 4.9	18.6	.1	3.12	49	95	-.1		
		IS	01 27 11.4						-.6		
27	ASD	IPGC	01 27 5.7	24.9	.1	3.28	55	90	-.2		
27	SSI	IP C	01 27 11.0	88.7	.1	3.99	91	52	.2		
		IS	01 27 22.0						-.1		
27	AMA	EP	01 27 20.3	62.7	.1	4.06	163	93	-.1		

27	3 23 44.00	63.22 N 150.53 W DEPTH = 110.0 KM MB = 3.8					TELESEISMIC SOLUTION				
	CENTRAL ALASKA										

27	3 29 59.50	51.83 N 179.08 E DEPTH = 105.0 KM					TELESEISMIC SOLUTION				
	RAT ISLANDS, ALEUTIAN ISLANDS										
27	AND	IP	03 30 14.7				31	196	.1		
27	SSI	IP C	03 30 15.0	14.6	.1	3.27	36	79	.2		
		IS	03 30 25.7						-.3		
27	ANA	IP	03 30 15.2				37	232	.3		
27	ASC	IP	03 30 15.3				42	172	.2		
27	RAT	IP C	03 30 15.8	12.0	.1	3.20	52	266	.2		
		IS	03 30 38.8						11.4		
27	ASD	IP	03 30 15.9	10.2	.1	3.13	52	160	.2		
		ES	03 30 27.7						.2		
27	ASB	IP	03 30 16.0	7.5	.1	3.00	54	167	.2	QTAMP	
		ES	03 30 27.7						.1		
27	AMA	IP D	03 30 23.5	11.4	.1	3.34	139	115	.2		
		ES	03 30 41.0						.4		

27	ASB	EPG	04 30 35.1	2.5	.1	2.14	V.SM.LOCAL			
		ES	04 30 40.0							
27	ASD	EPG	04 30 35.2	2.9	.1	2.22				
27	ASC	EPG	04 30 36.8							
27	ANA	EPG	04 30 37.6							

JAN 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
27	AND	EPG	04 30 38.6							
27	ADK	EP D	04 49 30.7							
		ES	04 49 45.9							
27	AMA	EP	04 49 51.7	21.4	.2					
27	SSI	EP	04 50 3.8							
27	ASD	EPN	04 50 5.6							
27	ASB	EP	04 50 6.7							
27	ASC	EP	04 50 7.5							
27	AND	EP	04 50 9.3							
		ES	04 51 2.3							
27	ANA	EP	04 50 11.5							
27	RAT	EP	04 50 15.3							

REGIONAL
VERY EMERGENT

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27	4 57 39.20	51.25 N 178.39 E	DEPTH = 34.0 KM	TELESEISMIC SOLUTION						
RAT ISLANDS, ALEUTIAN ISLANDS										
27	ANA	IP D	04 57 48.6				46	24	.2	
27	AND	IP D	04 57 49.1				52	48	-.1	
27	ASC	EP	04 57 50.2				59	66	.1	
27	RAT	IP D	04 57 50.4	15.0	.1	3.09	61	356	-.0	
27	ASB	EP	04 57 50.5				61	78	.1	
		ES	04 57 57.8						-.8	
27	ASD	EP	04 57 51.3				68	77	-.1	
		ES	04 57 59.2						-1.1	
27	SSI	IP C	04 57 56.7	26.3	.1	3.53	109	49	-.7	
		IS	04 58 8.1						-2.5	

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27	AMA	IP C	05 28 2.2							
		I	05 28 3.2							
		I	05 28 5.4	5.5	.1					
27	SSI	EP D	05 28 16.9							
27	ASD	EP	05 28 17.5	9.4	.1					
		ES	05 28 43.3							
27	ASB	EP	05 28 18.2							
		ES	05 28 44.8							
27	ASC	EP	05 28 19.3							
27	AND	EP	05 28 21.3							
27	ANA	EP	05 28 24.0							
27	RAT	EP	05 28 27.2							
27	AMA	EP	06 22 13.0	5.5	.1	2.78				
		IS	06 22 23.5							
27	SSI	IP	06 22 29.5							
		IS	06 22 50.9							

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27	6 33 50.79	50.92 N 178.95 E	DEPTH = 27.6 KM	FREE DEPTH SOLUTION						
RAT ISLANDS, ALEUTIAN ISLANDS										
27	ASB	EP	06 34 .7	7.4	.1	2.72	53	23	.2	
		ES	06 34 7.6						.0	
27	ASD	IP C	06 34 1.2	11.3	.1	2.94	59	28	-.1	
		IS	06 34 8.8						-.2	
27	ASC	IP D	06 34 1.9				62	14	.1	
27	AND	IP C	06 34 3.1				71	0	-.0	
		IS	06 34 12.0						-.1	
27	SSI	IP	06 34 9.7	8.3	.1	3.05	117	22	-.2	
		IS	06 34 24.0						.3	

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JAN 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
27	8 56	29.64	51.77 N 178.54 W	DEPTH = 14.8 KM			FREE DEPTH SOLUTION			
DELAROF ISLANDS, ALEUTIAN ISLANDS										
27	AMA	IP D	08 56 41.0				66	217	.1	
27	SSI	IP D	08 56 50.6				130	277	.1	
27	ADK	EP	08 56 53.8				128	83	3.5	
		ES	08 57 10.7						5.4	
27	ASD	IP	08 56 54.2				152	255	.3	
		IS	08 57 11.8						.2	
27	ASB	EP	08 56 55.1				160	254	.1	
		IS	08 57 12.8						-.7	
27	ASC	EP	08 56 55.7				162	259	.3	
27	AND	EP	08 56 57.0				175	264	-.3	
27	ANA	EP	08 56 59.9				194	266	-.3	
27	RAT	EP D	08 57 2.6				216	272	-.3	
		IS	08 57 27.8						.7	
.....										
27	9 1	49.85	51.15 N 179.05 E	DEPTH = 29.7 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
27	ASB	EP	09 01 56.5				28	29	.0	
		ES	09 02 1.2						-.1	
27	ASD	EP	09 01 57.1				34	36	-.1	
		IS	09 02 2.6						.0	
27	ASC	IP	09 01 57.6				36	12	.1	
27	AND	EP	09 01 58.8				47	352	-.1	
.....										
27	AMA	EP	09 03 20.1	16.4	.1	3.12				
		IS	09 03 27.5							
27	SSI	EP	09 03 29.8							
		ES	09 03 44.7							
27	ASD	EP	09 03 33.5							
		ES	09 03 51.9							
27	ASB	EP	09 03 34.9							
		ES	09 03 52.8							
27	ASC	EP	09 03 35.3							
27	ANA	EP	09 03 39.7							
.....										
27	10 3	32.95	51.74 N 178.51 W	DEPTH = 16.3 KM			FREE DEPTH SOLUTION			
DELAROF ISLANDS, ALEUTIAN ISLANDS										
27	AMA	IP C	10 03 44.5	10.7	.1	2.93	66	220	.4	
		IS	10 03 51.8						-.5	
27	SSI	IP	10 03 54.2				132	278	.0	
27	ADK	EP	10 03 57.1				126	82	3.8	
		ES	10 04 14.5						6.3	
27	ASD	IP C	10 03 57.5	33.2	.2	3.45	154	256	.0	
		ES	10 04 15.7						.4	
27	ASB	IP	10 03 58.5	60.7	.2	3.73	161	256	-.1	
		ES	10 04 17.0						-.2	
27	ASC	EP	10 03 59.1				164	260	.1	
27	AND	EP	10 04 .7				176	264	-.2	
27	ANA	EP	10 04 3.5				196	267	-.1	
27	RAT	IP D	10 04 6.2				218	273	-.1	
		ES	10 04 31.0						.3	
.....										
27	ADK	EP	10 25 45.7							
		ES	10 26 1.3							
27	AMA	EP	10 48 3.0	10.5	.1	2.93				
		E(S)	10 48 10.5							
27	SSI	EP	10 48 12.9							
27	ASD	EP	10 48 16.5							

JAN 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
27	ASB	ES	10 48 34.6							
		EP	10 48 17.7							
		ES	10 48 35.8							
27	ASC	EP	10 48 19.2							
27	AMA	EP	11 49 9.4	7.9	.2					
27	SSI	EP	11 49 19.1							
		IS	11 49 33.6							
27	ASD	EP	11 49 23.3							POOR V. EMERG.
		ES	11 49 40.8							
27	ASB	EP	11 49 23.7							
		ES	11 49 41.6							
27	ASC	EP	11 49 24.7							
27	AMA	IP	11 53 37.6	14.5	.1					
27	SSI	IP	11 53 52.2							
		IS	11 54 16.5							
27	RAT	EP	11 54 2.3							
.....										
27	12 21 7.36	50.00 N 178.92 E DEPTH = 75.0 KM							FIXED DEPTH SOLUTION	
		RAT ISLANDS, ALEUTIAN ISLANDS								
27	ASB	IP C	12 21 30.9	8.3	.1	3.19	154	9	-.3	
27	ASD	IP O	12 21 31.2	3.5	.1	2.83	158	11	-.5	
		ES	12 21 49.5						-.0	
27	ASC	EP	12 21 32.4				164	6	-.1	
27	AND	IP C	12 21 33.9				174	1	.2	
27	SSI	IP D	12 21 39.5				216	12	.8	
.....										
27	12 48 35.40	51.53 N 174.81 W DEPTH = 39.0 KM MB = 4.1							TELESEISMIC SOLUTION	
		ANDREANOF ISLANDS, ALEUTIANS ISLANDS								
27	ADK	EP D	12 48 55.3				135	287	-1.3	
		ES	12 49 11.0						-1.0	
27	AMA	IP D	12 49 16.3				300	266	-.6	
		I	12 49 22.1	75.6	.3					
		E	12 49 57.2							
27	SSI	EPN	12 49 28.5				388	278	.7	
		IPG	12 49 31.6							
27	ASB	IP	12 49 31.7				413	270	.9	VERY EMERGENT
		E	12 50 20.1							
27	ASD	EP	12 49 32.3				406	270	2.3	
27	ASC	EP	12 49 32.4				418	271	1.0	
27	AND	EP	12 49 34.4				432	273	1.2	
27	ANA	EP	12 49 37.0				452	274	1.3	
27	RAT	IP	12 49 40.4				474	276	1.9	
.....										
27	12 38 31.90	24.49 S 179.30 E DEPTH = 526.0 KM MB = 4.8							TELESEISMIC SOLUTION	
		SOUTH OF FIJI ISLANDS								
27	GHA	EP	12 50 39.2				10105	8		
.....										
27	14 41 31.70	50.40 N 176.35 E DEPTH = 33.0 KM							TELESEISMIC SOLUTION	
		RAT ISLANDS, ALEUTIAN ISLANDS								
27	RAT	IP D	14 42 1.7	12.6	.1		208	41	-.7	
		ES	14 42 24.3						-.6	
27	ANA	IP C	14 42 2.6				212	49	-.2	
27	AND	IP	14 42 3.7				223	54	-.6	
27	ASB	IP D	14 42 4.5	17.4	.1		230	61	-.6	
		ES	14 42 28.2						-1.2	
27	ASC	EP	14 42 4.7				230	58	-.4	

JAN 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
. 27	ASD	EP	14 42 5.4	4.3	.1		237	61	-.6	
.		ES	14 42 31.1						.1	
. 27	SSI	IP D	14 42 12.2	39.9	.1		280	52	.9	
. 27	AMA	EP	14 42 18.4				334	71	.5	
.....										
27	RAT	IP D	15 21 53.8	18.0	.1	3.37				
		IS	15 22 6.3							
27	ANA	IP	15 21 56.3							
		ES	15 22 10.0							
27	AND	EP	15 21 57.4							
		ES	15 22 12.5							
27	ASC	EP	15 21 59.8							
27	ASD	EP	15 22 .6							
.....										
. 27	17 1	18.74	51.57 N 179.27 W	DEPTH = 69.6 KM					FREE DEPTH SOLUTION	
			DELAROF ISLANDS, ALEUTIAN ISLANDS							
. 27	AMA	EP	17 01 29.8	13.3	.1	3.08	33	160	-.1	
		ES	17 01 38.4						.3	
. 27	SSI	IP D	17 01 34.7	3.9	.1	2.69	87	295	.0	
		ES	17 01 46.1						-.2	
. 27	ASD	EP	17 01 35.7	3.5	.1	2.68	98	259	-.3	
		ES	17 01 48.6						.1	
. 27	ASB	IP D	17 01 36.5	4.8	.1	2.83	105	258	-.3	
		ES	17 01 49.9						.0	
. 27	ASC	IP C	17 01 37.2				109	264	.0	
. 27	AND	IP	17 01 39.1				123	270	.3	
. 27	ANA	EP	17 01 41.2				143	273	.1	
. 27	RAT	EP	17 01 44.2				168	280	.1	
.....										
. 27	17 40	38.80	51.13 N 177.56 W	DEPTH = 33.0 KM					TELESEISMIC SOLUTION	
			ANDREANOF ISLANDS, ALEUTIANS ISLANDS							
. 27	AMA	EPN	17 40 55.3				109	280	-1.6	
		IPG	17 40 57.7	25.9	.1	3.53				
. 27	ADK	EP	17 40 56.1				103	36	.1	
		ES	17 41 7.4						-1.2	
. 27	SSI	EP	17 41 9.7				215	294	-.6	
		IS	17 41 34.1						.7	
. 27	ASD	EP	17 41 10.3	4.6	.1		218	279	-.4	
		ES	17 41 34.1						.1	
. 27	ASB	EP	17 41 11.2				224	278	-.3	
		ES	17 41 36.4						1.1	
. 27	ASC	EP	17 41 12.6				231	280	.3	
. 27	AND	EP	17 41 14.4				247	282	.1	
. 27	ANA	EP	17 41 17.4				268	283	.5	
. 27	RAT	EP	17 41 20.3				294	286	.1	
.....										
. 27	18 23	30.60	51.45 N 175.00 W	DEPTH = 51.0 KM MB = 4.3					TELESEISMIC SOLUTION	
			ANDREANOF ISLANDS, ALEUTIANS ISLANDS							
. 27	ADK	IP	18 23 50.0				126	293	-.5	ML4.3 D1.2
		ES	18 24 5.8						.8	
. 27	AMA	EP	18 24 9.6				286	268	-.6	
. 27	SSI	EP	18 24 22.7				377	280	1.3	
. 27	ASD	EPN	18 24 24.1				393	271	.7	
		I(S)	18 25 14.2						12.3	
. 27	ASB	EPN	18 24 25.2				400	271	1.0	
. 27	ASC	EPN	18 24 26.4				405	272	1.6	
. 27	AND	IPN	18 24 28.0				419	274	1.4	
. 27	ANA	EPN	18 24 31.3				439	275	2.2	
. 27	RAT	EP	18 24 33.6				463	277	1.6	
		I	18 24 51.1							

JAN 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
27	GMA	EP	18 27 14.3				1748	22	3.7	
27	RAT	IP C	19 07 0.0	3.3	.1	2.47				
		IS	19 07 8.4							
27	ANA	IP C	19 07 1.9							
		IS	19 07 11.6							
27	AND	IP	19 07 3.6							
27	ASC	EP	19 07 5.5							
27	ASB	EP	19 07 6.1							
		ES	19 07 18.4							
27	ASD	EP	19 07 6.7							
		IS	19 07 20.0							
27	SSI	IP D	19 07 9.2							
		IS	19 07 24.1							
27	ADK	EP	19 53 55.6							
		ES	19 54 11.0							
27	20 12 36.91	51.63 N 178.83 E DEPTH = 77.1 KM					FREE DEPTH SOLUTION			
		RAT ISLANDS, ALEUTIAN ISLANDS								
27	AND	IP C	20 12 48.1				12	134	.0	
		IS	20 12 56.3						.1	
27	ANA	EP	20 12 48.2				12	266	.1	
27	ASC	EP	20 12 48.8				30	130	.0	
27	RAT	IP D	20 12 49.3	5.5	.1	2.74	39	298	.0	
		ES	20 12 58.2						-.1	
27	ASB	EP	20 12 49.4	2.2	.1	2.35	42	136	-.1	
27	ASD	EP	20 12 49.6				44	127	-.0	
27	SSI	IP C	20 12 50.8	3.9	.1	2.64	59	61	.0	
27	20 37 57.65	51.92 N 179.56 E DEPTH = 143.2 KM					FREE DEPTH SOLUTION			
		RAT ISLANDS, ALEUTIAN ISLANDS								
27	SSI	IP C	20 38 16.7				4	154	-.2	
27	AND	IP	20 38 18.3				58	227	-.1	
27	ASC	IP	20 38 18.4				58	209	.0	
27	ASD	IP D	20 38 18.4	5.0	.1	2.94	61	195	-.1	
27	ASB	IP D	20 38 18.8	3.5	.1	2.78	66	200	.0	
		ES	20 38 34.0						-.2	
27	ANA	IP C	20 38 19.1				70	243	.1	
27	RAT	IP C	20 38 19.9				86	261	-.1	
		ES	20 38 36.8						.5	
27	AMA	EP	20 38 22.5				116	127	.3	
27	23 51 21.66	51.55 N 177.73 E DEPTH = 53.2 KM					FREE DEPTH SOLUTION			
		RAT ISLANDS, ALEUTIAN ISLANDS								
27	RAT	IP D	23 51 32.7	24.8	.1	3.33	50	56	-.0	
		IS	23 51 40.5						-.3	
27	ANA	EP	23 51 34.5				65	82	.2	
		IS	23 51 43.9						.4	
27	AND	IP	23 51 36.4				85	88	-.2	
		IS	23 51 47.1						-.3	
27	ASC	IP	23 51 38.5				100	95	.1	
27	ASB	IP	23 51 39.2				107	101	-.1	
27	ASD	EP	23 51 39.9	14.0	.2	2.99	113	98	-.1	
27	SSI	IP C	23 51 42.5				134	73	-.0	
		IS	23 51 57.8						.1	

JAN 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
28	1 50	41.30	50.42 N 177.11 E	DEPTH = 0.0 KM			FIXED DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
28	ANA	EP	01 51 10.2				173	38	.2	VERY SMALL AMP
28	RAT	IP	01 51 10.2				176	29	-.2	
28	AND	EP	01 51 10.9				182	45	-.3	
28	ASB	EP	01 51 11.3	1.9	.1	2.58	183	54	-.2	
28	SSI	IP C	01 51 19.6				239	46	.3	
		IS	01 51 47.2						.3	
.....										
28	ADK	EP	01 51 15.1							
		ES	01 51 34.2							
28	AMA	EP	01 51 36.8							
28	AMA	IP	03 06 20.0	19.4	.2					
		I	03 06 22.0							
28	SSI	IP	03 06 30.7							
		IS	03 06 41.5							
28	ASD	IP	03 06 31.5	4.8	.1	2.79				
		ES	03 06 43.9							
28	ASB	IP	03 06 32.2	5.0	.1	2.83				
		ES	03 06 45.4							
28	ASC	IP C	03 06 33.2							
		ES	03 06 47.5							
28	AND	EP	03 06 35.2							
		ES	03 06 50.6							
.....										
28	5 6	44.30	66.56 N 142.00 W	DEPTH = 33.0 KM			TELESEISMIC SOLUTION			
ALASKA										
.....										
28	5 25	51.30	52.11 N 178.52 W	DEPTH = 167.0 KM			TELESEISMIC SOLUTION			
DELAROF ISLANDS, ALEUTIAN ISLANDS										
28	AMA	IP C	05 26 17.2				100	204	.1	
		IS	05 26 35.7						-.2	
28	ADK	EP	05 26 19.8				128	100	.7	
		ES	05 26 40.0						.6	
28	SSI	IP C	05 26 19.5				132	260	.1	
		ES	05 26 40.2						.2	
28	ASD	IP	05 26 22.5	129.5	.2	4.21	168	243	-.0	
		IS	05 26 44.7						-.6	
28	ASB	IP D	05 26 23.2				175	243	.0	
		IS	05 26 45.8						-.7	
28	ASC	IP	05 26 23.5				175	247	.3	
28	AND	IP	05 26 24.0				184	252	-.1	
28	ANA	IP	05 26 25.8				201	256	.1	
28	RAT	IP C	05 26 27.5				219	262	.0	
		ES	05 26 53.8						-.1	
.....										
28	9 8	44.82	51.52 N 179.91 W	DEPTH = 25.0 KM			FIXED DEPTH SOLUTION			
DELAROF ISLANDS, ALEUTIAN ISLANDS										
28	ASD	EP	09 08 54.6				54	255	.0	
28	ASB	IP	09 08 55.6	3.0	.1	2.38	62	253	-.0	
		ES	09 09 3.5						-.0	
28	ASC	EP	09 08 56.1				65	264	-.0	
.....										
28	AMA	IP	10 46 2.5	9.0	.1	3.22				
		IS	10 46 20.8							
28	ASD	EP	10 46 14.7							

JAN 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
		ES	10 46 45.9							
28	ASB	EP	10 46 15.6							
28	ASC	IP C	10 46 17.7							
28	ANA	EP	12 45 55.6							
		ES	12 46 3.3							
28	RAT	IP	12 45 55.6	9.8	.1	2.91				
		IS	12 46 3.3							
28	AND	IP	12 45 57.1							
		ES	12 46 5.5							
28	ASC	EP	12 46 .5							
28	AMA	IP D	13 08 45.0	17.6	.1	3.02				
		IS	13 08 50.3							
28	ASD	EP	13 08 52.7							
		ES	13 09 5.6							
28	ASB	EP	13 08 53.8							
28	ASC	EP	13 08 55.2							
28	AND	EP	13 08 57.6							
28	AMA	IP C	13 09 16.7	12.8	.1	2.89				
		IS	13 09 22.2							
.....										
28	13 18 45.38	51.13 N 179.23 E DEPTH = 31.2 KM						FREE DEPTH SOLUTION		
		RAT ISLANDS, ALEUTIAN ISLANDS								
28	ASB	IP D	13 18 52.0				26	3	-.0	
		ES	13 18 56.8						-.0	
28	ASD	IP C	13 18 52.4				31	15	-.1	
28	ASC	IP C	13 18 53.5				38	353	.2	
28	AND	EP	13 18 55.1				52	339	-.1	
.....										
28	13 30 30.70	51.69 N 179.07 E DEPTH = 6.0 KM						TELESEISMIC SOLUTION		
		RAT ISLANDS, ALEUTIAN ISLANDS								
28	AND	IP C	13 30 33.9				17	209	-.0	
28	ASC	IP D	13 30 35.9				27	166	.2	
28	ANA	IP D	13 30 36.2				29	255	.1	
28	ASB	IP D	13 30 37.7	4.6	.1	2.36	39	162	-.2	
		IS	13 30 42.6						-.5	
28	ASD	IP D	13 30 37.7	4.3	.1	2.33	39	151	-.1	
28	RAT	IP D	13 30 40.2	33.6	.1	3.33	52	283	-.1	
28	AMA	IP	13 30 53.6				134	109	.8	
		IS	13 31 9.9						1.0	
.....										
28	14 9 48.03	51.21 N 178.78 E DEPTH = 25.0 KM						FIXED DEPTH SOLUTION		
		RAT ISLANDS, ALEUTIAN ISLANDS								
28	ASB	EP	14 09 55.2				37	63	-.1	
		ES	14 10 .5						-.1	
28	ASC	IP C	14 09 55.8				39	43	.2	
28	AND	EP	14 09 55.9				41	17	-.0	
		IS	14 10 1.7						.0	
28	ASD	EP	14 09 56.4				44	63	.1	
28	ANA	EP	14 09 56.7				47	350	-.1	
.....										
28	14 17 11.94	50.91 N 179.10 E DEPTH = 33.3 KM						FREE DEPTH SOLUTION		
		RAT ISLANDS, ALEUTIAN ISLANDS								
28	ASB	IP	14 17 21.7	37.7	.1	3.44	51	11	-.0	
		IS	14 17 28.8						-.0	
28	ASD	IP	14 17 22.3	22.8	.1	3.25	56	17	-.1	

JAN 1971	STA	PHASE	TIME (GHT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
28	ASC	IP	14 17 23.3				61	4	.2	
28	AND	IP	14 17 24.8				73	352	.0	
28	ANA	IP	14 17 26.6				85	339	.1	
28	RAT	IP D	14 17 30.4				112	332	-.1	
		IS	14 17 48.3						4.3	
28	AMA	EP	14 17 33.2				132	71	-.0	
.....										
28	14 25 24.64	51.42 N 179.53 E DEPTH = 27.9 KM							FREE DEPTH SOLUTION	
		RAT ISLANDS, ALEUTIAN ISLANDS								
28	ASD	IP	14 25 29.6	3.6	.1	2.15	13	256	-.1	
28	ASB	IP	14 25 30.4	5.5	.1	2.37	21	251	.1	
		IS	14 25 34.4						-.1	
28	ASC	IP	14 25 31.1				26	281	.2	
28	AND	EP	14 25 32.9				43	292	-.1	
		IS	14 25 35.6						-3.5	
28	ANA	EP	14 25 35.9				64	291	-.1	
28	RAT	IP	14 25 40.2	7.9	.1	2.94	93	297	.0	
28	AMA	IP	14 25 40.6				96	98	-.0	
.....										
28	AMA	IP D	15 43 54.0	27.4	.1	2.97				
		IS	15 43 56.9							
28	ASD	EP	15 44 9.6							
		ES	15 44 23.7							
28	ASB	EP	15 44 10.6							
		ES	15 44 25.5							
28	ASC	EP	15 44 12.0							
28	AND	EP	15 44 13.8							
28	AMA	IP D	16 15 52.8							
		ES	16 16 .3							
28	ASD	EP	16 16 5.7	7.8	.2	2.86				
		ES	16 16 24.3							
28	ASB	EP	16 16 6.9							
		ES	16 16 25.4							
28	ASC	EP	16 16 7.9							
28	ANA	EP	16 16 12.2							
.....										
28	17 46 .03	51.60 N 178.97 E DEPTH = 11.7 KM							FREE DEPTH SOLUTION	
		RAT ISLANDS, ALEUTIAN ISLANDS								
28	AND	IP C	17 46 2.3				4	199	.0	
28	ASC	IP	17 46 4.4				20	138	.1	
28	ANA	IP D	17 46 4.6				22	278	.1	
28	ASB	IP	17 46 6.1	1.5	.1	1.81	33	144	-.1	
		IS	17 46 10.9						.2	
28	ASD	IP	17 46 6.1	1.7	.1	1.88	34	132	-.4	
28	RAT	IP	17 46 8.8	10.9	.1	2.83	50	297	.0	
28	AMA	EP	17 46 22.0	2.6	.1	2.60	137	104	-.1	
		IS	17 46 38.4						.3	
.....										
28	ADK	EP	18 32 45.9							
		ES	18 33 2.1							
.....										
28	18 49 11.11	50.45 N 176.49 E DEPTH = 0.0 KM							FIXED DEPTH SOLUTION	
		RAT ISLANDS, ALEUTIAN ISLANDS								
28	RAT	IP D	18 49 43.4	12.6	.1	3.43	198	40	-.1	
		ES	18 50 7.4						.3	
28	ANA	IP	18 49 44.2				201	49	.3	
28	AND	IP	18 49 45.6				212	54	-.1	
28	ASB	IP D	18 49 46.3	7.2	.1		219	61	-.3	
		ES	18 50 12.4						-.0	

JAN 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
. 28	ASC	EP	18 49 46.5				219	58	-.1	
. 28	ASD	EP	18 49 47.1				226	61	-.4	
.		ES	18 50 13.6						-.4	
. 28	AMA	EP	18 50 .3	4.8	.1		323	72	.8	
.		ES	18 50 36.9						2.1	
.....										
28	ADK	EP	21 36 21.5							
		ES	21 36 33.9							
28	RAT	EP	22 49 26.1	6.6	.1	2.93				
		IS	22 49 38.6							
28	SSI	EP	22 49 37.7							
28	RAT	IP C	22 51 25.2	15.6	.1	3.09				
		IS	22 51 32.5							
28	SSI	EP	22 51 36.1	5.4	.1					
29	AND	EP	00 00 .4							
29	RAT	EP	03 29 10.7	4.6	.1					
		ES	03 29 33.2							
29	ANA	EP	03 29 11.4							
		ES	03 29 34.9							
29	AND	EP	03 29 12.6							
		ES	03 29 36.4							
29	ASB	EP	03 29 13.3	3.4	.1					
29	ASD	EP	03 29 14.3							
29	SSI	IP	03 29 21.1	16.3	.1					
.....										
. 29	4 2 26.43	51.54 N 178.59 E DEPTH = 58.8 KM							FREE DEPTH SOLUTION	
.		RAT ISLANDS, ALEUTIAN ISLANDS								
. 29	ANA	IP C	04 02 35.5				11	26	.1	
.		IS	04 02 42.1						.2	
. 29	AND	IP	04 02 36.2				25	83	.2	
. 29	RAT	IP	04 02 36.5	11.2	.1	2.95	34	328	-.1	
.		IS	04 02 43.7						-.3	
. 29	ASC	EP	04 02 37.2				41	102	.1	
. 29	ASB	EP	04 02 37.7				50	113	-.2	
.		ES	04 02 45.9						-.3	
. 29	ASD	EP	04 02 38.3	3.2	.1	2.48	55	107	-.0	
. 29	SSI	IP C	04 02 41.0	23.4	.1	3.42	79	60	.0	
.		IS	04 02 51.5						-.1	
.....										
. 29	5 52 25.06	50.98 N 179.62 E DEPTH = 42.0 KM							FREE DEPTH SOLUTION	
.		RAT ISLANDS, ALEUTIAN ISLANDS								
. 29	ASD	EP	05 52 35.5	2.0	.1	2.18	50	337	-.0	
.		ES	05 52 43.1						-.0	
. 29	ASB	EP	05 52 35.5	2.1	.1	2.21	50	329	-.0	
. 29	ASC	EP	05 52 37.1				63	330	.0	
. 29	AND	EP	05 52 39.2				80	325	-.0	
.....										
. 29	8 5 7.45	51.51 N 178.74 E DEPTH = 78.3 KM							FREE DEPTH SOLUTION	
.		RAT ISLANDS, ALEUTIAN ISLANDS								
. 29	AND	EP	08 05 18.8				16	67	-.1	VERY SMALL AMP
. 29	ANA	EP	08 05 18.9				14	336	.1	
. 29	ASC	EP	08 05 19.5				30	100	.1	
. 29	ASB	EP	08 05 20.0				39	115	.1	
.		ES	08 05 29.0						-.0	
. 29	ASD	EP	08 05 20.1				43	107	-.1	
. 29	RAT	EP	08 05 20.2	3.8	.1	2.59	43	319	-.0	

JAN 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
29	SSI	IP	08 05 22.6				72	53	.0	
29	7 58	52.90	60.67 N 143.71 W	DEPTH =	33.0 KM	MB = 3.7	TELESEISMIC SOLUTION			
			SOUTHERN ALASKA							
29	8 40	38.61	50.28 N 179.03 E	DEPTH =	23.0 KM		FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
29	ASB	IP D	08 40 58.4	7.6	.1	3.02	121	7	.2	
		IS	08 41 12.3						-.2	
29	ASD	IP	08 40 59.1	3.4	.1	2.68	125	10	.2	
29	ASC	IP D	08 40 59.6				132	4	-.2	
29	AMA	IP	08 41 5.6				172	49	-.2	
		ES	08 41 25.8						.2	
29	SSI	EP	08 41 7.2	12.2	.1	3.39	183	12	.1	
29	8 45	33.62	51.03 N 179.71 E	DEPTH =	50.0 KM		FIXED DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
29	ASD	IP C	08 45 44.2	2.7	.1	2.34	48	328	-.0	POOR
		ES	08 45 51.9						-.1	
29	ASB	IP D	08 45 44.2	3.0	.1	2.40	49	319	-.2	
29	ASC	EP	08 45 45.9				62	322	.2	
29	9 13	36.89	51.78 N 179.94 W	DEPTH =	105.8 KM		FREE DEPTH SOLUTION			
			DELAROF ISLANDS, ALEUTIAN ISLANDS							
29	SSI	IP C	09 13 52.1				34	291	-.1	
29	ASD	IP D	09 13 54.0	21.4	.1	3.48	66	229	-.0	
		IS	09 14 6.4						-.1	
29	ASB	IP	09 13 54.5	31.8	.1	3.66	73	230	-.1	
		IS	09 14 7.1						-.4	
29	ASC	IP	09 13 54.7				71	240	.3	
29	AMA	IP	09 13 54.7	30.3	.1	3.65	80	133	-.4	
		IS	09 14 9.0						.6	
29	AND	IP C	09 13 55.1				80	253	-.0	
29	ANA	EP	09 13 56.9				98	260	.3	
29	RAT	IP C	09 13 58.6	115.7	.2	4.00	119	272	-.0	
		IS	09 14 14.6						.1	
29	AMA	IP D	09 32 41.3	28.1	.1	3.03				
		IS	09 32 44.6							
29	ASD	EP	09 32 54.7							
		ES	09 33 7.7							
29	SSI	IP D	09 32 55.3	8.5	.1	3.07				
		IS	09 33 8.9							
29	ASB	EP	09 32 55.8							
		ES	09 33 9.7							
29	ASC	EP	09 32 56.7							
29	11 23	33.81	51.35 N 179.87 E	DEPTH =	24.5 KM		FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
29	ASD	IP C	11 23 41.1	5.7	.1	2.50	37	277	-.1	
		ES	11 23 46.5						-.0	
29	ASB	IP	11 23 42.1	4.2	.1	2.41	44	272	.1	
29	ASC	IP	11 23 43.0				51	285	-.0	
29	SSI	IP C	11 23 44.9	4.4	.1	2.55	64	342	-.0	

JAN 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
		IS	11 23 53.0						.0	
29	11 52 48.88		51.34 N 179.40 E				DEPTH = 57.1 KM			FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
29	ASD	IP	11 52 57.6	3.8	.1	2.42	7	324	.1	
29	ASB	IP	11 52 57.7				11	281	.1	
		IS	11 53 3.9						-.1	
29	ASC	IP	11 52 58.1				21	310	.1	
29	AND	IP	11 52 59.0				39	309	-.3	
29	SSI	EP	11 53 1.4	3.5	.1	2.54	63	12	-.1	
		IS	11 53 10.8						.1	
29	RAT	EP	11 53 4.6				90	305	.1	
		IS	11 53 16.0						.1	
29	13 29 23.50		56.80 N 152.34 W				DEPTH = 64.0 KM			TELESEISMIC SOLUTION
			KODIAK ISLAND REGION				MB = 4.5			
29	16 23 29.40		51.29 N 178.32 E				DEPTH = 46.0 KM			TELESEISMIC SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
29	ANA	IP D	16 23 39.3				44	32	-.1	
29	AND	IP D	16 23 40.0				53	55	-.4	
29	RAT	IP D	16 23 40.5	25.4	.1	3.34	57	0	-.2	
		IS	16 23 47.7						-1.3	
29	ASC	IP C	16 23 41.2				62	72	-.1	
29	ASD	EP	16 23 42.3				72	81	-.2	
		IS	16 23 52.0						-.1	
29	SSI	IP D	16 23 47.1	19.5	.1	3.42	110	52	-.2	
		IS	16 23 59.3						-1.0	
29	21 23 42.70		55.66 N 163.46 E				DEPTH = 33.0 KM			TELESEISMIC SOLUTION
			OFF EAST COAST OF KAMCHATKA				MB = 4.6			
29	ADK	IP	21 42 43.6							
		ES	21 42 55.8							
29	ANA	EP	21 43 4.6							
29	SSI	EP	21 43 16.5							
29	ASD	EP	21 43 20.9							REGIONAL
		ES	21 44 10.1							
29	ASB	EP	21 43 21.5							
		ES	21 44 10.7							
29	ASC	EP	21 43 21.8							
29	AND	EP	21 43 23.7							
29	RAT	IP	21 43 28.6							
29	21 58 5.40		51.72 N 150.95 E				DEPTH = 544.0 KM			TELESEISMIC SOLUTION
			SEA OF OKHOTSK				MB = 6.1			
29	RAT	IP	22 01 32.3				1881	79		TELESEISMIC
29	ANA	IP	22 01 35.3				1908	79		TELESEISMIC
29	ASC	EP	22 01 36.5				1945	80		
29	AND	EP	22 01 36.7				1929	79		
		ES	22 04 33.1							
		E(L)	22 08 32.7							
29	ASD	EP	22 01 39.2				1959	80		
29	ASB	EP	22 01 39.2				1953	80		
29	SSI	EP	22 01 39.5				1965	78		
29	AMA	IP	22 01 48.5				2067	80		

JAN 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
29	ADK	EP	22 02 .4				2217	77		
		ES	22 05 10.0							
		EL	22 07 3.0							
29	RAT	IP	23 35 53.3							
		ES	23 36 18.7							
29	ANA	EP	23 35 56.9							
29	AND	IP	23 35 59.5							
29	ASC	EP	23 36 2.5							
29	ASB	EP	23 36 3.8	8.7	.1					
29	SSI	IP	23 36 3.8							
29	ASD	EP	23 36 4.1	2.4	.1					
		IS	23 36 37.3							
30	AMA	IP D	02 09 1.0	31.6	.1					
		IS	02 09 33.6							
30	SSI	IP	02 09 6.7							
30	RAT	EP	02 09 16.7							
30	ASD	IP C	02 09 10.0	5.5	.1					
30	ASB	EP	02 09 10.8	5.0	.1					
		ES	02 09 50.8							
30	ASC	IP	02 09 11.1							
30	AND	EP	02 09 11.6							
30	ANA	IP	02 09 14.0							
30	2 57	5.90	51.27 N 178.92 E	DEPTH = 35.8 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
30	ASB	IP	02 57 12.9				25	67	-.0	
		IS	02 57 18.0						-.0	
30	ASC	IP	02 57 13.3				27	39	.2	
30	ASD	IP	02 57 13.6	2.1	.1	2.09	32	66	-.0	
30	AND	IP	02 57 13.6				32	4	-.1	
30	SSI	IP	02 57 20.3	8.3	.1	2.94	83	34	-.0	
30	4 43	44.00	56.67 N 152.15 W	DEPTH = 39.0 KM MB = 4.4			TELESEISMIC SOLUTION			
			KODIAK ISLAND REGION							
30	7 5	9.73	51.08 N 179.20 W	DEPTH = 33.9 KM			FREE DEPTH SOLUTION			
			DELAROF ISLANDS, ALEUTIAN ISLANDS							
30	AMA	IP D	07 05 16.5	136.7	.2	3.54	24	15	.0	
		IS	07 05 21.1						-.3	
30	ASD	EP	07 05 26.9	4.5	.1	2.76	107	289	-.7	
30	ASB	EP	07 05 28.4				113	287	.0	
		ES	07 05 42.6						.6	
30	ASC	EP	07 05 29.5				122	291	-.2	
30	SSI	IP	07 05 29.8	14.2	.1	3.31	123	318	-.1	
		IS	07 05 44.6						-.0	
30	AND	EP	07 05 31.7				139	293	-.2	
30	ANA	EP	07 05 35.2				161	293	.7	
30	AMA	EP	07 05 38.3							
30	7 32	33.00	52.93 N 174.88 W	DEPTH = 222.0 KM			TELESEISMIC SOLUTION			
			ANDREANOF ISLANDS, ALEUTIANS ISLANDS							
30	ADK	EP	07 33 9.0				169	227	-.3	
		ES	07 33 26.6						-9.2	
30	AMA	IP D	07 33 24.8	237.9	.1		342	239	-.9	

JAN 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
30	SSI	IP	07 33 31.0				393	255	-.2	
30	ASD	IP D	07 33 34.4	145.9	.2		430	249	-.9	S NOT CERTAIN
		E(S)	07 34 17.0						-3.8	
30	ASB	IP D	07 33 35.1	62.7	.2		437	249	-1.0	
		ES	07 34 20.1						-2.1	
30	ASC	IP D	07 33 35.5				438	250	-.7	
30	AND	IP D	07 33 36.5				447	253	-.7	
30	ANA	IP	07 33 38.4				463	254	-.6	
30	RAT	IP D	07 33 40.1				478	257	-.7	
		IS	07 34 33.2						3.0	
30	AMA	IPN	07 49 36.2							
		IPG	07 49 38.9	23.8	.1					
30	SSI	IP	07 49 51.3							
		IS	07 50 15.7							
30	ASD	EP	07 49 52.3							V.EMERG
		ES	07 50 23.0							
30	ASB	EP	07 49 53.1							
30	ASC	EP	07 49 54.4							
30	RAT	IP	07 50 2.1							
30	13 50 23.56	51.46 N 178.19 W DEPTH = 28.2 KM ANDREANOF ISLANDS, ALEUTIANS ISLANDS								FREE DEPTH SOLUTION
30	AMA	IP C	13 50 35.3	125.4	.1	4.03	67	254	.1	
		IS	13 50 43.7						-.1	
30	ADK	EP	13 50 42.7				114	65	.4	
		ES	13 50 57.4						1.5	
30	SSI	IP D	13 50 48.7				161	288	-.1	
		ES	13 51 7.0						-.3	
30	ASD	EP	13 50 49.7				171	268	-.5	
		IPG	13 50 51.0							
		IS	13 51 9.4						-.2	
30	ASB	IP	13 50 50.8				178	267	-.2	
		IS	13 51 11.5						.5	
30	ASC	EP	13 50 51.8				183	271	.2	
		IS	13 51 12.1						-.0	
30	AND	EP	13 50 53.2				198	274	-.3	
30	ANA	EP	13 50 56.4				219	276	.4	
30	RAT	IP C	13 50 59.5				243	280	.5	
30	14 13 15.60	57.22 N 151.90 W DEPTH = 47.0 KM MB = 3.9 KODIAK ISLAND REGION								TELESEISMIC SOLUTION
30	AMA	IP C	14 44 40.5	5.0	.1	2.42				
		ES	14 44 45.2							
30	SSI	IP	14 44 50.6	4.9	.1					
30	ASD	IP	14 44 53.0	1.4	.1	2.32				
		ES	14 45 7.8							
30	ASB	EP	14 44 54.1	2.5	.1	2.60				
30	ASC	EP	14 44 55.0							
30	14 59 17.38	51.37 N 179.72 E DEPTH = 30.2 KM RAT ISLANDS, ALEUTIAN ISLANDS								FREE DEPTH SOLUTION
30	ASD	EP	14 59 23.9				27	274	-.0	
30	ASB	IP	14 59 24.7	1.9	.1	2.02	33	268	.0	
		IS	14 59 30.0						-.0	
30	ASC	EP	14 59 25.6				40	285	.1	
30	ANA	EP	14 59 30.9				79	291	-.0	

JAN 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
30	17 18	11.72	51.65 N 176.81 E DEPTH = 75.0 KM				FIXED DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
30	RAT	IP C	17 18 29.7				106	81	-.4	
30	ANA	IP	17 18 32.6				128	91	.1	
30	ASC	IP	17 18 32.6				164	97	-4.2	
30	AND	IP	17 18 34.8				148	93	-.1	
		IS	17 18 51.7						-.1	
30	ASB	IP	17 18 38.0	61.0	.1	4.09	172	100	.3	
		IS	17 18 56.3						-.4	
30	ASD	IP	17 18 38.9				177	98	.5	
30	SSI	IP C	17 18 40.4	110.6	.2	4.09	193	81	.2	
		IS	17 19 1.4						.3	
30	AMA	EP	17 18 52.2				286	97	.7	
.....										
30	AMA	IP C	17 35 48.2	25.9	.1	3.05				
		IS	17 35 52.0							
30	ASD	EP	17 36 3.8							
30	SSI	IP D	17 36 5.4	12.2	.1	3.26				
		IS	17 36 20.2							
30	ASB	EP	17 36 5.8							
		IS	17 36 20.0							
30	ASC	EP	17 36 6.7							
.....										
30	18 9	50.30	52.00 N 178.54 W DEPTH = 139.5 KM				FREE DEPTH SOLUTION			
DELAROF ISLANDS, ALEUTIAN ISLANDS										
30	AMA	IP C	18 10 12.4	57.6	.2	3.72	88	207	-.0	
		ES	18 10 28.7						.1	
30	SSI	IP	18 10 15.7				129	266	-.0	
		IS	18 10 34.2						-.1	
30	ASD	IP	18 10 18.6	8.7	.1	3.30	161	246	-.1	
		IS	18 10 39.7						.2	
30	ASB	IP	18 10 19.4	5.2	.1	3.08	169	246	-.1	
		ES	18 10 40.5						-.2	
30	ASC	IP	18 10 19.7				169	250	.2	
30	AND	EP	18 10 20.3				179	255	-.3	
30	ANA	IP	18 10 22.4				197	259	.0	
30	RAT	IP	18 10 24.7				216	265	.3	
.....										
31	1 56	59.62	51.65 N 178.60 E DEPTH = 31.4 KM				FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
31	ANA	IP	01 57 4.5				5	116	-.3	
31	AND	IP C	01 57 5.9				26	111	-.4	
31	RAT	IP D	01 57 6.5	23.5	.1	3.07	25	313	.3	
		IS	01 57 10.6						-.3	
31	ASB	EP	01 57 10.2	2.7	.1	2.31	55	125	.3	
		ES	01 57 17.0						-.3	
31	ASD	EP	01 57 10.9	1.7	.1	2.12	59	119	.5	
		IS	01 57 18.2						-.0	
31	SSI	IP	01 57 12.7				74	68	.2	
		IS	01 57 21.7						-.1	
31	AMA	IP C	01 57 24.6				164	103	-.4	
		I	01 57 25.5							
.....										
31	1 57	8.64	51.26 N 177.65 W DEPTH = 25.0 KM				FIXED DEPTH SOLUTION			
ANDREANOF ISLANDS, ALEUTIAN ISLANDS										
31	ADK	IP	01 57 25.8				97	44	1.1	
		IS	01 57 37.2						.8	
31	ASD	EP	01 57 39.3				210	275	-.9	

JAN 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.		ES	01 58 6.2						2.9	
. 31	SSI	IP	01 57 39.4				204	291	-.1	
. 31	ASB	EP	01 57 40.6				216	274	-.4	
. 31	ASC	IP C	01 57 42.0				222	277	.2	
. 31	AND	IP	01 57 44.1				238	280	.3	
. 31	ANA	EP	01 57 46.8				259	281	.5	
. 31	RAT	IP	01 57 49.8				285	284	.3	

31	ASD	EP	03 11 2.3							
31	ASC	EP	03 11 4.5							
31	AND	EP	03 11 6.4							

POOR

31	ADK	IP D	04 01 13.3							
		IS	04 01 25.6							
31	AMA	EP	04 01 33.2							
		I	04 01 35.2	11.9	.1					
		ES	04 02 14.2							

31	SSI	EP	04 01 46.3							
31	ASD	EPN	04 01 48.1							
		IPG	04 01 50.3	17.5	.2					
		ES	04 02 39.8							
31	ASB	EPN	04 01 49.0							
31	ASC	EPN	04 01 49.8							
31	AND	EP	04 01 51.3							
31	ANA	EP	04 01 55.0							
31	RAT	IP	04 01 58.2							
		IS	04 02 55.1							

31	RAT	EP	08 20 52.4	3.3	.1	2.80				
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		ES	08 21 11.7							
31	SSI	IP	08 21 3.5	8.8	.1					
31	ANA	EP	08 21 53.7							
		ES	08 22 14.0							
31	AND	EP	08 21 55.3							
31	ASB	EP	08 21 56.8							
		ES	08 22 19.2							
31	ASD	EP	08 21 57.5							

31	ADK	EP	11 05 39.5							
		ES	11 05 55.3							
31	AMA	EPN	11 05 59.9							
		I	11 06 6.0	24.9	.2					
		IS	11 06 40.9							

31	SSI	EPN	11 06 12.6							
31	ASD	EP	11 06 13.6							
31	ASB	EP	11 06 14.9							
		ES	11 07 9.2							
31	ASC	EP	11 06 15.9							
31	AND	EP	11 06 17.1							
31	RAT	EPN	11 06 24.1							

VERY EMERGENT

.....
 . 31 11 46 21.15 51.71 N 179.93 E DEPTH = 25.6 KM FREE DEPTH SOLUTION
 RAT ISLANDS, ALEUTIAN ISLANDS

. 31	SSI	IP	11 46 27.9	8.8	.1	2.64	31	311	.1	
		IS	11 46 32.5						-.1	
. 31	ASD	IP	11 46 30.8	3.1	.1	2.34	54	229	-.1	
. 31	ASC	EP	11 46 31.8				59	243	.1	
. 31	ASB	IP	11 46 31.9	5.0	.1	2.59	61	231	-.0	
		ES	11 46 39.8						.1	
. 31	AND	EP	11 46 33.0				69	257	-.1	
. 31	AMA	EP	11 46 34.9				81	125	-.0	

31	AOK	EP	11 54 51.4							
		ES	11 55 13.4							

JAN 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
31	15 44 53.80	51.17 N 177.71 W	DEPTH = 28.0 KM	MB = 4.2	TELESEISMIC SOLUTION					
ANDREANOF ISLANDS, ALEUTIANS ISLANDS										
31	AMA	IP C	15 45 9.6				98	278	-5	
31	ADK	IP D	15 45 11.6				107	42	.2	
		IS	15 45 24.0						-2	
31	ASD	EPN	15 45 23.9				207	278	-9	
		IPG	15 45 26.9							
31	SSI	IP	15 45 24.3				204	294	-1	
31	ASB	EPN	15 45 24.8				213	277	-8	
		ES	15 45 51.8						3.1	
31	ASC	EPN	15 45 26.1				220	280	-3	
31	AND	EPN	15 45 28.4				236	282	.0	
31	ANA	EPN	15 45 31.5				257	283	.5	
31	RAT	IP C	15 45 34.5				283	286	.3	
31	GMA	EP	15 48 47.6				1852	24	-4	
31	ADK	EP	15 53 17.2							
		ES	15 53 26.1							
31	18 33 7.08	51.00 N 178.37 E	DEPTH = 71.8 KM	FREE DEPTH SOLUTION						
RAT ISLANDS, ALEUTIAN ISLANDS										
31	ASB	EP	18 33 21.8				73	57	-0	
31	AND	IP	18 33 21.9				75	33	-1	
		ES	18 33 32.8						-0	
31	ASC	EP	18 33 22.2				76	47	.1	
31	ASD	IP	18 33 22.5	4.9	.1	2.78	81	57	-1	
31	20 50 22.00	52.44 N 179.04 E	DEPTH = 85.0 KM	TELESEISMIC SOLUTION						
RAT ISLANDS, ALEUTIAN ISLANDS										
31	SSI	IP D	20 50 37.6				71	148	-0	
		I	20 50 41.0							
31	RAT	IP C	20 50 38.9				86	215	-0	
		ES	20 50 46.5						-4.8	
31	ANA	IP	20 50 39.9				94	196	.2	
31	AND	IP	20 50 40.3				97	183	.2	
		ES	20 50 58.7						5.4	
31	ASB	EP	20 50 42.4				121	173	-1	
		ES	20 51 1.7						4.2	
31	ASD	EP	20 50 42.4	22.4	.1	3.56	118	170	.1	
31	AMA	EP	20 50 49.6				181	134	.2	

JAN HYPOCENTER SUMMARY

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JAN 1971	ORIGIN TIME (GMT)	LAT	LONG	DEPTH* (KM)	MB	MS	GEOGRAPHIC REGION
01	5 37 1.19	51.71 N	179.90 E	75.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
01	7 8 13.12	51.15 N	178.98 W	50.6 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
01	7 57 58.80	4.00 S	141.16 E	17.0 T	5.5	5.8	NEW GUINEA
01	8 13 13.43	51.19 N	179.25 E	29.5 F			RAT ISLANDS, ALEUTIAN ISLANDS
01	11 55 3.50	52.98 N	167.04 W	61.0 T	4.6		FOX ISLANDS, ALEUTIAN ISLANDS
01	15 17 58.95	51.93 N	178.01 E	132.7 F			RAT ISLANDS, ALEUTIAN ISLANDS
01	20 59 48.19	51.71 N	178.05 E	65.3 F			RAT ISLANDS, ALEUTIAN ISLANDS
02	4 45 27.89	51.97 N	178.42 E	131.6 F			RAT ISLANDS, ALEUTIAN ISLANDS
02	6 39 2.90	51.23 N	178.32 W	28.0 T			DELAROF ISLANDS, ALEUTIAN ISLANDS
02	9 5 16.14	52.33 N	178.25 W	212.6 F	3.5		DELAROF ISLANDS, ALEUTIAN ISLANDS
02	14 9 47.43	51.06 N	178.75 E	75.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
02	16 20 30.16	51.61 N	178.44 E	65.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
02	18 40 17.70	51.75 N	179.23 W	19.0 T			DELAROF ISLANDS, ALEUTIAN ISLANDS
2	19 9 49.80	59.49 N	144.85 W	24.0 T	4.9		GULF OF ALASKA
02	21 25 10.35	51.56 N	179.53 W	74.4 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
02	22 28 35.88	51.38 N	175.67 E	125.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
03	6 8 18.47	51.42 N	177.78 E	50.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
03	6 41 20.25	51.29 N	179.82 E	8.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
03	13 33 21.12	51.49 N	179.71 E	68.3 F			RAT ISLANDS, ALEUTIAN ISLANDS
03	16 19 22.80	51.30 N	179.39 W	37.0 T			DELAROF ISLANDS, ALEUTIAN ISLANDS
03	22 19 55.96	51.55 N	178.83 E	65.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
04	13 2 47.15	51.11 N	179.87 W	0.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
04	18 35 43.80	51.06 N	179.52 W	8.0 T			DELAROF ISLANDS, ALEUTIAN ISLANDS
05	1 55 41.59	52.26 N	178.36 W	176.0 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
05	15 52 9.44	51.43 N	178.79 E	45.0 F			RAT ISLANDS, ALEUTIAN ISLANDS
05	19 34 36.75	51.38 N	179.31 W	45.7 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
05	19 41 44.50	51.04 N	178.27 E	33.0 T			RAT ISLANDS, ALEUTIAN ISLANDS
05	20 35 20.40	51.67 N	176.45 E	33.0 T			RAT ISLANDS, ALEUTIAN ISLANDS
06	1 57 10.48	52.08 N	179.91 E	155.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
06	6 13 12.41	52.10 N	178.43 E	146.6 F			RAT ISLANDS, ALEUTIAN ISLANDS
06	6 52 53.37	51.40 N	179.17 E	63.3 F			RAT ISLANDS, ALEUTIAN ISLANDS

JAN 1971	ORIGIN TIME (GMT)	LAT	LONG	DEPTH* (KM)	MB	MS	GEOGRAPHIC REGION
06	6 58 13.48	51.71 N	179.01 E	75.6 F			RAT ISLANDS, ALEUTIAN ISLANDS
06	8 13 11.45	51.36 N	179.65 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
06	8 47 43.21	51.24 N	178.62 E	28.5 F			RAT ISLANDS, ALEUTIAN ISLANDS
06	9 21 9.59	51.25 N	178.67 E	0.0 F			RAT ISLANDS, ALEUTIAN ISLANDS
06	10 40 32.99	51.95 N	178.62 E	134.3 F			RAT ISLANDS, ALEUTIAN ISLANDS
06	14 44 55.95	50.94 N	178.45 E	50.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
07	2 49 57.50	52.44 N	173.32 W	87.0 T	5.8		ANDREANOF ISLANDS, ALEUTIAN IS.
07	16 41 35.70	52.15 N	178.07 E	165.0 T			RAT ISLANDS, ALEUTIAN ISLANDS
08	1 15 43.86	51.22 N	178.63 E	35.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
08	9 15 21.05	51.33 N	179.48 W	29.0 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
08	14 42 .10	52.30 N	177.82 E	217.0 T			RAT ISLANDS, ALEUTIAN ISLANDS
08	14 45 29.50	47.37 N	154.35 E	32.0 T	5.6	5.8	KURIL ISLANDS
9	6 33 3.70	60.26 N	152.82 W	90.0 T	3.7		SOUTHERN ALASKA
09	14 36 4.64	51.58 N	179.00 E	50.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
09	20 11 41.40	50.94 N	178.01 E	19.0 T			RAT ISLANDS, ALEUTIAN ISLANDS
09	21 32 41.72	51.26 N	179.18 E	39.4 F			RAT ISLANDS, ALEUTIAN ISLANDS
09	21 34 23.38	51.58 N	176.32 E	75.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
10	5 56 5.57	51.04 N	179.39 W	29.1 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
10	7 3 54.87	51.22 N	177.80 E	70.4 F			RAT ISLANDS, ALEUTIAN ISLANDS
10	7 17 3.70	3.13 S	139.70 E	33.0 T	7.3	8.1	WEST NEW GUINEA
10	7 37 46.15	51.47 N	179.28 E	91.8 F			RAT ISLANDS, ALEUTIAN ISLANDS
10	7 46 12.80	60.71 N	151.97 W	85.0 T			SOUTHERN ALASKA
10	7 43 47.10	2.97 S	139.73 E	33.0 T	5.9		WEST NEW GUINEA
10	7 53 52.60	2.99 S	139.74 E	33.0 T	5.6		WEST NEW GUINEA
10	8 44 32.60	3.15 S	139.74 E	21.0 T	5.5		WEST NEW GUINEA
10	9 55 4.92	51.93 N	179.22 W	23.8 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
10	10 45 6.80	2.98 S	139.62 E	36.0 T	6.1		WEST NEW GUINEA
10	13 18 1.07	51.84 N	179.61 E	109.7 F			RAT ISLANDS, ALEUTIAN ISLANDS
10	14 29 56.30	3.17 S	139.76 E	28.0 T	5.8	5.9	WEST NEW GUINEA
10	16 7 45.90	3.11 S	139.81 E	33.0 T	5.7	5.7	WEST NEW GUINEA
10	16 38 36.00	3.43 S	139.98 E	27.0 T	5.5	6.0	WEST NEW GUINEA

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JAN 1971	ORIGIN TIME (GMT)	LAT	LONG	DEPTH* (KM)	MB	MS	GEOGRAPHIC REGION
10	16 58 19.45	51.67 N	179.61 W	25.3 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
10	17 0 54.10	51.30 N	178.99 E	49.0 F			RAT ISLANDS, ALEUTIAN ISLANDS
10	16 54 19.60	3.33 S	139.97 E	33.0 T	5.3		WEST NEW GUINEA
10	19 13 36.80	3.17 S	139.76 E	33.0 T	5.8	5.5	WEST NEW GUINEA
10	21 12 19.28	51.42 N	178.79 E	45.0 F			RAT ISLANDS, ALEUTIAN ISLANDS
10	21 25 21.58	51.73 N	179.77 W	95.6 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
10	22 14 37.40	3.23 S	139.86 E	30.0 T	6.1	5.8	WEST NEW GUINEA
11	1 55 37.80	52.46 N	169.52 W	40.0 T	4.5		FOX ISLANDS, ALEUTIAN ISLANDS
11	6 26 26.20	51.14 N	177.15 E	50.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
11	6 46 47.46	51.01 N	178.61 E	75.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
11	9 54 50.00	2.68 S	139.49 E	33.0 T	5.4		NEAR N. COAST OF WEST NEW GUINEA
11	17 25 26.88	50.73 N	178.77 E	0.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
11	17 49 54.60	51.20 N	178.89 E	41.3 F			RAT ISLANDS, ALEUTIAN ISLANDS
11	18 23 35.47	51.21 N	179.71 E	37.0 F			RAT ISLANDS, ALEUTIAN ISLANDS
11	19 42 51.32	52.31 N	176.90 E	97.7 F			RAT ISLANDS, ALEUTIAN ISLANDS
12	0 56 40.18	51.73 N	179.85 W	50.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
12	17 7 11.20	51.80 N	179.93 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
13	1 35 58.43	51.63 N	179.83 E	77.1 F			RAT ISLANDS, ALEUTIAN ISLANDS
13	5 19 53.00	60.07 N	153.06 W	88.0 T	3.8		SOUTHERN ALASKA
13	9 12 25.40	51.49 N	178.73 E	61.0 T			RAT ISLANDS, ALEUTIAN ISLANDS
13	20 19 9.60	51.21 N	178.72 E	42.0 T			RAT ISLANDS, ALEUTIAN ISLANDS
14	4 21 13.30	56.00 N	163.02 E	45.0 T	4.7	4.9	NEAR EAST COAST OF KAMCHATKA
14	9 6 58.20	51.10 N	178.05 E	6.0 T			RAT ISLANDS, ALEUTIAN ISLANDS
14	14 49 6.12	51.14 N	178.62 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
15	2 43 46.09	50.41 N	177.38 E	0.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
15	5 3 9.50	51.90 N	178.44 E	98.0 T			RAT ISLANDS, ALEUTIAN ISLANDS
15	9 36 12.76	51.92 N	178.02 E	138.4 F			RAT ISLANDS, ALEUTIAN ISLANDS
15	9 51 28.17	52.32 N	179.85 E	163.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
15	11 51 24.87	51.43 N	178.79 E	44.1 F			RAT ISLANDS, ALEUTIAN ISLANDS
15	13 41 39.30	64.07 N	148.24 W	118.0 T	3.5		CENTRAL ALASKA
15	14 6 23.68	51.26 N	178.20 W	31.0 F			ANDREANOF ISLANDS, ALEUTIAN ISLANDS

JAN 1971	ORIGIN TIME (GMT)	LAT	LONG	DEPTH* (KM)	MB	MS	GEOGRAPHIC REGION
15	16 31 26.50	50.25 N	177.31 E	33.0 T			RAT ISLANDS, ALEUTIAN ISLANDS
15	17 52 5.40	51.88 N	179.54 W	114.0 T			DELAROF ISLANDS, ALEUTIAN ISLANDS
15	21 47 2.50	68.44 N	143.36 W	33.0 T			ALASKA
15	22 48 2.68	51.14 N	179.68 E	35.5 F			RAT ISLANDS, ALEUTIAN ISLANDS
16	0 47 33.34	51.16 N	177.94 W	0.0 D			ANDREANOF ISLANDS, ALEUTIANS ISLANDS
16	2 27 56.59	50.67 N	179.08 W	20.9 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
16	5 47 2.43	50.76 N	176.53 E	0.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
16	10 3 9.23	52.61 N	178.55 E	189.7 F			RAT ISLANDS, ALEUTIAN ISLANDS
16	11 9 15.70	50.83 N	178.86 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
16	11 47 15.86	51.36 N	179.96 E	61.7 F			RAT ISLANDS, ALEUTIAN ISLANDS
16	12 56 39.42	51.22 N	178.44 E	12.1 F			RAT ISLANDS, ALEUTIAN ISLANDS
16	19 49 56.77	51.36 N	178.72 E	45.9 F			RAT ISLANDS, ALEUTIAN ISLANDS
16	21 18 21.41	51.71 N	178.50 E	23.0 F			RAT ISLANDS, ALEUTIAN ISLANDS
16	23 50 41.16	52.04 N	178.10 E	143.8 F			RAT ISLANDS, ALEUTIAN ISLANDS
17	2 31 20.68	51.43 N	179.42 E	23.5 F			RAT ISLANDS, ALEUTIAN ISLANDS
17	5 33 8.87	50.87 N	179.16 W	75.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
17	17 1 52.40	51.06 N	177.87 W	14.0 T			ANDREANOF ISLANDS, ALEUTIANS ISLANDS
17	23 56 56.51	51.83 N	178.67 E	103.5 F			RAT ISLANDS, ALEUTIAN ISLANDS
18	0 3 31.60	.98 N	125.83 E	33.0 T	5.4		MOLUCCA PASSAGE
18	0 57 38.14	51.74 N	179.57 E	185.6 F			RAT ISLANDS, ALEUTIAN ISLANDS
18	2 42 55.66	51.48 N	179.26 E	36.6 F			RAT ISLANDS, ALEUTIAN ISLANDS
18	5 52 21.50	1.06 N	125.91 E	33.0 T	5.7		MOLUCCA PASSAGE
18	6 53 13.30	54.27 N	163.97 W	58.0 T	4.8		UNIMAK ISLAND REGION
18	7 4 57.90	51.81 N	179.76 W	91.0 T			DELAROF ISLANDS, ALEUTIAN ISLANDS
18	8 39 25.30	50.83 N	178.93 W	33.0 T			DELAROF ISLANDS, ALEUTIAN ISLANDS
18	10 5 17.29	51.85 N	179.85 W	50.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
18	11 47 23.58	50.09 N	179.16 E	24.6 F	3.6		RAT ISLANDS, ALEUTIAN ISLANDS
18	11 58 17.78	52.02 N	178.31 E	109.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
18	12 9 24.17	52.40 N	179.31 W	160.2 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
18	12 53 31.67	51.11 N	179.49 W	35.0 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
18	14 54 5.83	51.20 N	179.35 E	36.0 F			RAT ISLANDS, ALEUTIAN ISLANDS

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JAN 1971	ORIGIN TIME (GMT)	LAT	LONG	DEPTH* (KM)	MB	MS	GEOGRAPHIC REGION
18	18 5 41.24	51.39 N	178.94 E	45.3 F			RAT ISLANDS, ALEUTIAN ISLANDS
18	19 27 56.87	50.94 N	178.44 E	32.7 F			RAT ISLANDS, ALEUTIAN ISLANDS
18	19 40 58.92	51.31 N	179.93 W	26.3 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
19	0 30 39.14	51.61 N	177.74 E	54.8 F			RAT ISLANDS, ALEUTIAN ISLANDS
19	3 16 53.60	23.84 N	108.58 W	33.0 T	5.5	5.9	GULF OF CALIFORNIA
19	4 9 .94	51.42 N	179.71 E	56.3 F			RAT ISLANDS, ALEUTIAN ISLANDS
19	6 36 11.70	50.89 N	179.34 W	26.0 T			DELAROF ISLANDS, ALEUTIAN ISLANDS
19	8 49 56.10	51.21 N	178.34 E	21.8 F			RAT ISLANDS, ALEUTIAN ISLANDS
19	8 50 41.41	51.24 N	178.37 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
19	10 22 52.91	51.58 N	179.00 E	18.8 F			RAT ISLANDS, ALEUTIAN ISLANDS
19	12 17 7.99	51.42 N	178.93 E	48.9 F			RAT ISLANDS, ALEUTIAN ISLANDS
19	13 8 5.42	51.42 N	178.75 E	43.9 F			RAT ISLANDS, ALEUTIAN ISLANDS
19	13 18 13.22	51.66 N	179.70 E	82.0 F			RAT ISLANDS, ALEUTIAN ISLANDS
19	14 24 59.89	50.99 N	178.50 E	60.8 F			RAT ISLANDS, ALEUTIAN ISLANDS
19	17 27 42.06	51.14 N	179.28 E	32.8 F			RAT ISLANDS, ALEUTIAN ISLANDS
19	17 28 41.96	51.09 N	179.31 E	29.6 F			RAT ISLANDS, ALEUTIAN ISLANDS
19	23 12 5.46	51.21 N	178.48 E	21.8 F			RAT ISLANDS, ALEUTIAN ISLANDS
20	1 59 36.12	51.62 N	179.23 W	0.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
20	2 7 34.30	63.29 N	150.97 W	131.0 T	4.6		CENTRAL ALASKA
20	3 29 39.88	50.95 N	172.71 E	50.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
20	4 45 .10	8.78 N	79.23 W	33.0 T	5.6	5.6	PANAMA
20	10 27 30.10	51.69 N	179.96 E	28.0 T	4.4		RAT ISLANDS, ALEUTIAN ISLANDS
20	19 22 55.07	51.13 N	178.99 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
21	1 57 18.80	66.44 N	163.93 W	33.0 T			ALASKA
21	2 20 51.32	51.34 N	179.84 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
21	2 23 55.87	51.65 N	179.63 W	100.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
21	12 23 32.00	21.50 S	176.67 W	193.0 T	5.1		FIJI ISLANDS REGION
21	17 19 35.30	7.80 S	122.67 E	196.0 T	5.7		FLORES SEA
21	19 4 24.77	51.67 N	177.72 E	67.8 F			RAT ISLANDS, ALEUTIAN ISLANDS
22	11 26 5.60	51.15 N	178.70 E	23.0 T			RAT ISLANDS, ALEUTIAN ISLANDS
22	12 19 24.94	51.91 N	179.52 E	140.3 F			RAT ISLANDS, ALEUTIAN ISLANDS

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JAN 1971	ORIGIN TIME (GMT)	LAT	LONG	DEPTH* (KM)	MB	MS	GEOGRAPHIC REGION
22	15 36 38.34	52.28 N	178.32 E	135.8 F			RAT ISLANDS, ALEUTIAN ISLANDS
22	20 29 34.63	50.65 N	176.58 E	0.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
22	22 30 12.40	51.11 N	179.31 W	33.0 T			DELAROF ISLANDS, ALEUTIAN ISLANDS
23	0 27 22.20	65.64 N	151.79 W	33.0 T			ALASKA
23	4 11 49.12	51.02 N	179.14 W	75.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
23	5 4 58.70	52.10 N	178.34 E	36.0 T			RAT ISLANDS, ALEUTIAN ISLANDS
23	7 54 22.38	51.42 N	179.90 W	67.4 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
23	10 42 21.42	51.19 N	178.54 E	36.0 F			RAT ISLANDS, ALEUTIAN ISLANDS
23	13 3 5.47	51.77 N	179.97 E	27.5 F			RAT ISLANDS, ALEUTIAN ISLANDS
23	14 50 43.40	63.58 N	147.13 W	33.0 T	3.6		CENTRAL ALASKA
23	15 12 14.70	63.09 N	150.75 W	112.0 T	4.5		CENTRAL ALASKA
23	16 50 40.90	50.25 N	176.79 E	33.0 T			RAT ISLANDS, ALEUTIAN ISLANDS
23	17 13 19.30	50.87 N	179.79 E	35.0 T			RAT ISLANDS, ALEUTIAN ISLANDS
23	20 22 52.18	51.20 N	179.26 W	32.5 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
24	6 15 25.12	51.74 N	178.75 E	88.3 F			RAT ISLANDS, ALEUTIAN ISLANDS
24	6 16 51.23	51.01 N	178.15 E	16.7 F			RAT ISLANDS, ALEUTIAN ISLANDS
24	9 54 10.74	51.04 N	179.40 W	27.5 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
24	9 54 47.65	50.28 N	177.84 E	12.9 F			RAT ISLANDS, ALEUTIAN ISLANDS
24	13 3 37.10	51.78 N	179.37 W	106.0 T			DELAROF ISLANDS, ALEUTIAN ISLANDS
24	13 17 4.24	52.05 N	179.84 E	207.7 F			RAT ISLANDS, ALEUTIAN ISLANDS
24	13 28 43.60	49.21 N	156.12 E	36.0 T	5.2	5.0	KURIL ISLANDS
24	15 3 11.29	52.06 N	178.07 E	149.6 F			RAT ISLANDS, ALEUTIAN ISLANDS
24	15 42 18.00	51.46 N	178.99 E	67.0 T			RAT ISLANDS, ALEUTIAN ISLANDS
24	16 38 53.61	51.17 N	178.55 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
24	18 25 23.49	51.79 N	178.33 W	68.7 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
24	20 19 4.13	51.15 N	179.63 E	36.3 F			RAT ISLANDS, ALEUTIAN ISLANDS
24	21 47 49.21	51.62 N	179.79 W	24.8 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
24	22 57 48.03	52.25 N	176.25 W	200.0 D			ANDREANOF ISLANDS, ALEUTIANS ISLANDS
24	23 16 31.10	56.41 N	152.99 W	38.0 T	5.2	5.1	KODIAK ISLAND REGION
25	0 18 26.10	9.60 S	151.35 E	38.0 T	5.8	6.3	DENTRECASTEAUX ISLANDS REGION
25	1 1 52.55	51.60 N	178.93 E	66.4 F			RAT ISLANDS, ALEUTIAN ISLANDS

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JAN 1971	ORIGIN TIME (GMT)	LAT	LONG	DEPTH* (KM)	MB	MS	GEOGRAPHIC REGION
25	1 37 49.51	50.18 N	179.81 E	8.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
25	3 14 49.50	51.25 N	179.18 W	28.3 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
25	3 44 17.45	51.32 N	179.38 W	60.6 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
25	4 58 55.20	51.66 N	176.57 W	69.0 T			ANDREANOF ISLANDS, ALEUTIANS ISLANDS
25	10 24 13.00	50.50 N	175.59 E	0.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
25	10 36 33.15	51.24 N	179.96 W	38.3 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
25	13 59 13.02	50.99 N	179.74 W	34.6 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
25	15 59 17.80	52.03 N	179.12 E	162.0 T			RAT ISLANDS, ALEUTIAN ISLANDS
25	16 8 15.10	51.47 N	177.69 W	38.0 T	5.9	6.3	ANDREANOF ISLANDS, ALEUTIANS ISLANDS
25	16 35 41.24	52.16 N	178.51 E	172.0 F			RAT ISLANDS, ALEUTIAN ISLANDS
25	17 38 12.50	51.04 N	177.56 W	33.0 T			ANDREANOF ISLANDS, ALEUTIANS ISLANDS
25	18 57 24.37	51.87 N	177.92 E	86.8 F			RAT ISLANDS, ALEUTIAN ISLANDS
25	18 59 56.20	51.19 N	177.36 W	33.0 T			ANDREANOF ISLANDS, ALEUTIANS ISLANDS
25	20 27 41.91	51.72 N	177.83 E	73.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
25	23 16 49.80	50.95 N	178.27 W	23.0 T			DELAROF ISLANDS, ALEUTIAN ISLANDS
26	0 15 38.35	51.10 N	179.27 E	30.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
26	2 17 28.32	50.46 N	178.32 E	29.0 F			RAT ISLANDS, ALEUTIAN ISLANDS
26	4 24 52.14	52.09 N	177.91 E	143.5 F			RAT ISLANDS, ALEUTIAN ISLANDS
26	4 36 53.30	51.98 N	176.85 W	33.0 T			ANDREANOF ISLANDS, ALEUTIANS ISLANDS
26	6 22 35.31	51.27 N	177.49 W	0.0 D			ANDREANOF ISLANDS, ALEUTIANS ISLANDS
26	7 47 1.09	52.02 N	175.90 W	125.0 D			ANDREANOF ISLANDS, ALEUTIANS ISLANDS
26	8 6 44.00	58.50 N	154.77 W	33.0 T			ALASKA PENINSULA
26	8 28 4.63	51.99 N	178.07 E	185.1 F			RAT ISLANDS, ALEUTIAN ISLANDS
26	12 17 59.93	51.46 N	178.09 E	51.6 F			RAT ISLANDS, ALEUTIAN ISLANDS
26	15 30 52.86	51.70 N	179.96 E	21.1 F			RAT ISLANDS, ALEUTIAN ISLANDS
26	17 15 58.70	50.89 N	179.09 E	25.5 F			RAT ISLANDS, ALEUTIAN ISLANDS
26	18 10 2.40	49.92 N	177.72 E	33.0 T			RAT ISLANDS, ALEUTIAN ISLANDS
26	19 32 4.90	51.67 N	174.92 W	36.0 T	5.4	5.5	ANDREANOF ISLANDS, ALEUTIANS ISLANDS
26	19 45 53.10	51.49 N	174.91 W	50.0 T	4.3		ANDREANOF ISLANDS, ALEUTIANS ISLANDS
26	20 38 41.39	51.24 N	177.68 E	29.0 F			RAT ISLANDS, ALEUTIAN ISLANDS
26	20 39 27.20	50.87 N	178.79 W	48.5 F			DELAROF ISLANDS, ALEUTIAN ISLANDS

JAN 1971	ORIGIN TIME (GMT)	LAT	LONG	DEPTH* (KM)	MB	MS	GEOGRAPHIC REGION
26	21 52 24.80	51.62 N	174.98 W	55.0 T	4.3		ANDREANOF ISLANDS, ALEUTIANS ISLANDS
27	1 17 45.21	51.90 N	178.78 W	118.8 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
27	1 26 55.37	51.40 N	178.55 E	35.0 F			RAT ISLANDS, ALEUTIAN ISLANDS
27	3 23 44.00	63.22 N	150.53 W	110.0 T	3.8		CENTRAL ALASKA
27	3 29 59.50	51.83 N	179.08 E	105.0 T			RAT ISLANDS, ALEUTIAN ISLANDS
27	4 57 39.20	51.25 N	178.39 E	34.0 T			RAT ISLANDS, ALEUTIAN ISLANDS
27	6 33 50.79	50.92 N	178.95 E	27.6 F			RAT ISLANDS, ALEUTIAN ISLANDS
27	8 56 29.64	51.77 N	178.54 W	14.8 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
27	9 1 49.85	51.15 N	179.05 E	29.7 F			RAT ISLANDS, ALEUTIAN ISLANDS
27	10 3 32.95	51.74 N	178.51 W	16.3 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
27	12 21 7.36	50.00 N	178.92 E	75.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
27	12 48 35.40	51.53 N	174.81 W	39.0 T	4.1		ANDREANOF ISLANDS, ALEUTIANS ISLANDS
27	12 38 31.90	24.49 S	179.30 E	526.0 T	4.8		SOUTH OF FIJI ISLANDS
27	14 41 31.70	50.40 N	176.35 E	33.0 T			RAT ISLANDS, ALEUTIAN ISLANDS
27	17 1 18.74	51.57 N	179.27 W	69.6 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
27	17 40 38.80	51.13 N	177.56 W	33.0 T			ANDREANOF ISLANDS, ALEUTIANS ISLANDS
27	18 23 30.60	51.45 N	175.00 W	51.0 T	4.3		ANDREANOF ISLANDS, ALEUTIANS ISLANDS
27	20 12 36.91	51.63 N	178.83 E	77.1 F			RAT ISLANDS, ALEUTIAN ISLANDS
27	20 37 57.65	51.92 N	179.56 E	143.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
27	23 51 21.66	51.55 N	177.73 E	53.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
28	1 50 41.30	50.42 N	177.11 E	0.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
28	5 6 44.30	66.56 N	142.00 W	33.0 T			ALASKA
28	5 25 51.30	52.11 N	178.52 W	167.0 T			DELAROF ISLANDS, ALEUTIAN ISLANDS
28	9 8 44.82	51.52 N	179.91 W	25.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
28	13 18 45.38	51.13 N	179.23 E	31.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
28	13 30 30.70	51.69 N	179.07 E	6.0 T			RAT ISLANDS, ALEUTIAN ISLANDS
28	14 9 48.03	51.21 N	178.78 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
28	14 17 11.94	50.91 N	179.10 E	33.3 F			RAT ISLANDS, ALEUTIAN ISLANDS
28	14 25 24.64	51.42 N	179.53 E	27.9 F			RAT ISLANDS, ALEUTIAN ISLANDS
28	17 46 .03	51.60 N	178.97 E	11.7 F			RAT ISLANDS, ALEUTIAN ISLANDS
28	18 49 11.11	50.45 N	176.49 E	0.0 D			RAT ISLANDS, ALEUTIAN ISLANDS

JAN HYPOCENTER SUMMARY

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JAN 1971	ORIGIN TIME (GMT)	LAT	LONG	DEPTH* (KM)	MB	MS	GEOGRAPHIC REGION
29	4 2 26.43	51.54 N	178.59 E	58.8 F			RAT ISLANDS, ALEUTIAN ISLANDS
29	5 52 25.06	50.98 N	179.62 E	42.0 F			RAT ISLANDS, ALEUTIAN ISLANDS
29	8 5 7.45	51.51 N	178.74 E	78.3 F			RAT ISLANDS, ALEUTIAN ISLANDS
29	7 58 52.90	60.67 N	143.71 W	33.0 T	3.7		SOUTHERN ALASKA
29	8 40 38.61	50.28 N	179.03 E	23.0 F			RAT ISLANDS, ALEUTIAN ISLANDS
29	8 45 33.62	51.03 N	179.71 E	50.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
29	9 13 36.89	51.78 N	179.94 W	105.8 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
29	11 23 33.81	51.35 N	179.87 E	24.5 F			RAT ISLANDS, ALEUTIAN ISLANDS
29	11 52 48.88	51.34 N	179.40 E	57.1 F			RAT ISLANDS, ALEUTIAN ISLANDS
29	13 29 23.50	56.80 N	152.34 W	64.0 T	4.5		KODIAK ISLAND REGION
29	16 23 29.40	51.29 N	178.32 E	46.0 T			RAT ISLANDS, ALEUTIAN ISLANDS
29	21 23 42.70	55.66 N	163.46 E	33.0 T	4.6		OFF EAST COAST OF KAMCHATKA
29	21 58 5.40	51.72 N	150.95 E	544.0 T	6.1		SEA OF OKHOTSK
30	2 57 5.90	51.27 N	178.92 E	35.8 F			RAT ISLANDS, ALEUTIAN ISLANDS
30	4 43 44.00	56.67 N	152.15 W	39.0 T	4.4		KODIAK ISLAND REGION
30	7 5 9.73	51.08 N	179.20 W	33.9 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
30	7 32 33.00	52.93 N	174.88 W	222.0 T			ANDREANOF ISLANDS, ALEUTIANS ISLANDS
30	13 50 23.56	51.46 N	178.19 W	28.2 F			ANDREANOF ISLANDS, ALEUTIANS ISLANDS
30	14 13 15.60	57.22 N	151.90 W	47.0 T	3.9		KODIAK ISLAND REGION
30	14 59 17.38	51.37 N	179.72 E	30.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
30	17 18 11.72	51.65 N	176.81 E	75.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
30	18 9 50.30	52.00 N	178.54 W	139.5 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
31	1 56 59.62	51.65 N	178.60 E	31.4 F			RAT ISLANDS, ALEUTIAN ISLANDS
31	1 57 8.64	51.26 N	177.65 W	25.0 D			ANDREANOF ISLANDS, ALEUTIANS ISLANDS
31	11 46 21.15	51.71 N	179.93 E	25.6 F			RAT ISLANDS, ALEUTIAN ISLANDS
31	15 44 53.80	51.17 N	177.71 W	28.0 T	4.2		ANDREANOF ISLANDS, ALEUTIANS ISLANDS
31	18 33 7.08	51.00 N	178.37 E	71.8 F			RAT ISLANDS, ALEUTIAN ISLANDS
31	20 50 22.00	52.44 N	179.04 E	85.0 T			RAT ISLANDS, ALEUTIAN ISLANDS

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

SEISMICITY MAPS

ALEUTIAN EARTHQUAKES WHICH WERE LOCATED DURING THE MONTH BY THE ALEUTIAN SEISMIC NETWORK AND BY THE WORLD NETWORK OF SEISMOLOGICAL STATIONS REPORTING TO THE ENVIRONMENTAL RESEARCH LABORATORIES (ERL) ARE PLOTTED ON SIX MAPS COVERING THE ALEUTIAN ISLANDS FROM THE NEAR ISLANDS TO UNIMAK ISLAND (170 DEGREES EAST LONGITUDE TO 160 DEGREES WEST LONGITUDE).

THE BASE MAPS ARE MODIFIED VERSIONS OF LARGE PLATES PUBLISHED BY THE NATIONAL OCEAN SURVEY AS PART OF ESSA MONOGRAPH NO. 3 (BATHYMETRY OF THE ALEUTIAN ARC). THE TRANSVERSE MERCATOR PROJECTION, IN WHICH AREAL DISTORTION IS SMALL AND BEARINGS REMAIN TRUE, WAS EMPLOYED.

EPICENTERS WERE PLOTTED AUTOMATICALLY BY A FLAT-BED INCREMENTAL PLOTTER TO PRODUCE PLATES WHICH WERE USED TO OVERPRINT THE BASE MAPS. REGISTRATION MARKS ALONG THE MARGINS OF THE MAPS ALLOW AN ESTIMATION OF THE PRECISION OF PRINTING REGISTRATION.

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

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

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

	DEPTH OF FOCUS (km)				
	0-50	50-100	100-150	150-200	200-250
$m_b = 3.0$	*	□	×	◇	+
$m_b = 4.0$	✱	□	×	◇	+
$m_b = 5.0$	✱	□	×	◇	+
$m_b = 6.0$	✱	□	×	◇	+
$m_b = 7.0$	✱	□	×	◇	+