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ALEUTIAN SEISMIC PROGRAM
SEISMOLOGICAL BULLETIN
SEPTEMBER 1971

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

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BY JH Kahn / amh
DATE 6/27/72

JUNE 1972

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

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SEISMOLOGICAL BULLETIN

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

DESCRIPTION OF COLUMN HEADINGS

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

STA - STATION CODE

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

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

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

PER - PERIOD OF PHASE IN SECONDS

MAG - STATION MAGNITUDE DEFINED BY

$$MB = -0.76 + \log_{10}(AMP/PER) + 0.91 \cdot \log_{10}(SLANT \text{ DISTANCE})$$

FOR EVENTS OF EPICENTER DISTANCE LESS THAN
 200 KM FROM STATION

DIST - GREAT CIRCLE DISTANCE TO EVENT IN KILOMETERS

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

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

REMARKS- DESCRIPTIVE INFORMATION

DESCRIPTION OF HYPOCENTER INFORMATION

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

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

SECOND LINE GEOGRAPHIC REGION

ALEUTIAN SEISMIC NETWORK

CODE	STATION	PERIOD OF OPERATION	LATITUDE (DEG MIN SEC)	LONGITUDE (DEG MIN SEC)	ELEVATION (METERS)
ACA	AMCHITKA CENTRAL A	08/05/71-	51 28 51.4 N	179 07 09.6 E	42
ACB	AMCHITKA CENTRAL B	08/05/71-	51 27 45.4 N	179 05 27.3 E	47
ACC	AMCHITKA CENTRAL C	08/05/71-	51 29 03.4 N	179 02 35.2 E	26
ACD	AMCHITKA CENTRAL D	08/05/71-	51 25 41.4 N	179 08 11.8 E	37
ACE	AMCHITKA CENTRAL E	08/05/71-	51 24 01.8 N	179 10 21.9 E	9
ACF	AMCHITKA CENTRAL F	08/05/71-	51 31 32.7 N	178 59 38.9 E	62
ADK	ADAK OBSERVATORY		51 53 01.4 N	176 41 04.3 W	116
AG1	AMCHITKA GEOPHONE 1	02/10/69-04/10/69	51 24 58.2 N	179 10 49.8 E	
AG3	AMCHITKA GEOPHONE 3	02/10/69-04/10/69	51 25 25.8 N	179 11 24.6 E	
AMA	AMATIGNAK ISLAND	09/10/70-	51 17 17.5 N	179 06 33.5 W	503
AME	AMCHITKA EXPERIMENTAL	01/04/69-26/05/69	51 23 12.0 N	179 15 18.0 E	
ANA	AMCHITKA NORTH A	25/08/69-25/09/69	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	22/11/70-10/05/71	54 35 40.0 N	164 52 30.0 W	152
GMA	GRANITE MOUNTAIN	18/09/70-	65 25 43.0 N	161 13 55.0 W	856
NIK	NIKOLSKI	20/05/71-	52 58 27.5 N	168 51 10.8 W	207
LSI	LITTLE SITKIN ISLAND	16/08/69-18/09/69	51 55 10.8 N	178 32 01.8 E	145
OB3	OCEAN BOTTOM SEIS 3	30/09/69-17/10/69	50 59 00.0 N	179 21 30.0 E	-3317
OB5	OCEAN BOTTOM SEIS 5	27/09/69-17/10/69	51 19 00.0 N	178 27 30.0 E	-1234
OB6	OCEAN BOTTOM SEIS 6	26/09/69-18/10/69	51 46 30.0 N	179 06 30.0 E	-859
OB8	OCEAN BOTTOM SEIS 8	26/09/69-16/10/69	51 22 00.0 N	179 35 42.0 E	-1408
RAT	RAT ISLAND	14/10/70-	51 47 56.7 N	178 19 48.3 E	226
SMY	SHEMYA	17/11/70-	52 43 51.0 N	174 06 11.0 E	58
SSI	SEMISOPHOCHNOT 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

SEP 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
01	ASD	EPG	03 01 46.2	2.0	.1	2.15				
		IS	03 01 52.8							
01	ASB	EPG	03 01 47.2							
		ES	03 01 54.4							
01	ASD	EP	03 56 46.1	1.7	.1	2.35				
01	ASB	EP	03 56 46.6							
		IS	03 57 0.0							

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01	5 21 3.67	51.06 N 179.94 W DEPTH = 25.0 KM					FIXED DEPTH SOLUTION			
DELAROF ISLANDS, ALEUTIAN ISLANDS										
01	ASD	EP	05 21 14.8	5.5	.1	2.64	62	307	.2	
		IP	00 00 0.0							
01	ASB	EP	05 21 15.2	302.8	.2	4.10	66	301	.1	
		E(S)	05 21 23.5						.0	
01	ASC	EP	05 21 16.9				77	306	.1	
01	AND	EP	05 21 19.0				95	307	-.5	
01	SSI	EP	05 21 20.0	11.1	.1	3.11	99	341	.0	QP
		E(S)	05 21 34.1						2.2	

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01	9 36 3.16	51.14 N 179.04 E DEPTH = 25.0 KM					FIXED DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
01	ASB	EPG	09 36 9.6	44.8	.1	3.33	29	30	.2	
		ES	09 36 14.0						-.0	
01	ASD	EPG	09 36 10.0	1.8	.1	1.99	35	37	-.3	
01	ACB	EPG	09 36 10.6				36	6	.2	
01	ASC	EPG	09 36 10.7				37	14	.2	
01	ACA	EPG	09 36 10.8				39	8	.1	
01	AND	EPG	09 36 11.7				48	353	-.3	

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01	11 16 43.04	51.50 N 179.17 E DEPTH = 64.3 KM					FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
01	ACA	EPG	11 16 52.5				4	234	-.0	QP
01	ACB	EPG	11 16 52.5				7	230	-.1	QP
01	ACE	EPG	11 16 52.5				12	179	-.2	QP
01	ASC	EPG	11 16 52.6				5	184	.1	
		ES	11 16 59.6						.1	
01	ACC	EPG	11 16 52.6				9	256	-.0	QP
01	ACD	EPG	11 16 52.6				9	195	-.0	QP
01	ASB	EPG	11 16 52.8	13.8	.1	3.04	17	161	-.0	QP
		ES	11 16 59.8						-.2	
01	AND	E(P)	11 16 52.9				16	293	.1	VQP
01	ASD	EPG	11 16 53.1	.8	.1	1.82	17	136	.3	QP
01	SSI	E(P)	11 16 55.1	3.7	.1	2.55	52	34	-.1	

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01	13 17 10.41	51.30 N 179.63 W DEPTH = 25.0 KM					FIXED DEPTH SOLUTION			
DELAROF ISLANDS, ALEUTIAN ISLANDS										
01	ASD	EPG	13 17 22.5	1.5	.1	2.14	72	279	-.3	
		ES	13 17 31.6						-.2	
01	ASB	EPG	13 17 24.0	9.2	.1	2.95	78	276	.3	QP
		ES	13 17 33.6						.2	
01	ASC	EPG	13 17 24.7				86	283	-.1	
01	SSI	E(P)	13 17 24.8	3.4	.1	2.55	85	321	.1	

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01	RAT	EP	14 44 51.8	6.2	.1					
01	ANA	EP	14 44 54.0							
		E(S)	14 45 22.8							

SEP 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
01	AND	EP	14 44 56.1							
01	ASC	EP	14 44 57.7							
01	ASD	E(P)	14 44 59.1	.6	.1					
01	SSI	IP	14 45 3.0	6.0	.1					
.....										
01	14 45 55.26	51.43 N 179.32 E DEPTH = 27.5 KM						FREE DEPTH SOLUTION		
		PAT ISLANDS, ALEUTIAN ISLANDS								
01	ASD	IPG	14 45 59.8	3.4	.1	2.07	5	160	-.1	
01	ASB	IPG	14 46 0.0	27.0	.1	3.00	9	212	-.0	
		IS	14 46 3.4						-.1	
01	ACE	EPG	14 46 .1				11	252	-.0	
01	ASC	IPG	14 46 .3				11	288	.2	
01	ACA	EPG	14 46 .4				15	292	-.0	
01	ACD	EPG	14 46 .4				13	269	.2	
01	ACB	EPG	14 46 .5				16	283	-.0	
01	ACC	EPG	14 46 .9				20	287	.0	
01	ACF	EPG	14 46 1.4				25	295	.1	
01	AND	EPG	14 46 1.6				29	300	-.2	
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01	15 18 11.96	51.75 N 179.77 E DEPTH = 50.0 KM						FIXED DEPTH SOLUTION		
		PAT ISLANDS, ALEUTIAN ISLANDS								
01	ASD	EPG	15 18 22.7	.7	.1	1.77	49	217	-.0	
01	ASC	EPG	15 18 23.2				52	233	.2	
01	ASB	EPG	15 18 23.3	6.7	.1	2.77	56	220	-.2	
		IS	15 18 31.8						-.0	
01	AND	EPG	15 18 23.7				60	250	-.2	VQP
01	ACB	EPG	15 18 23.7				57	236	.2	
.....										
01	15 26 32.84	50.97 N 179.82 E DEPTH = 24.6 KM						FREE DEPTH SOLUTION		
		PAT ISLANDS, ALEUTIAN ISLANDS								
01	ASD	EPG	15 26 42.9	1.8	.1	2.13	58	325	-.2	
01	ASB	EPG	15 26 43.3	10.0	.1	2.88	59	318	.0	
		ES	15 26 51.0						.1	
01	ACE	EPG	15 26 44.2				66	317	-.1	
01	ACD	EPG	15 26 44.8				70	317	-.1	
01	ASC	EPG	15 26 45.2				71	321	.1	
		IS	15 26 53.9						-.1	
01	ACA	EPG	15 26 45.7				75	320	.1	
01	ACB	EPG	15 26 45.8				75	318	.2	
01	AND	EPG	15 26 47.6				89	318	-.2	
01	SSI	EP	15 26 50.0	1.6	.1	2.29	104	351	.0	
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01	17 45 30.00	51.98 N 174.26 E DEPTH = 72.0 KM MB = 4.3						TELESEISMIC SOLUTION		
		PAT ISLANDS, ALEUTIAN ISLANDS								
01	RAT	EPN	17 46 9.8				280	92	.8	
		IP	17 46 13.4	89.0	.4					
		I(S)	17 46 46.6						9.0	
01	ANA	EPN	17 46 12.4				305	96	.3	
01	AND	EPN	17 46 15.1				326	96	.4	
01	ASC	EPN	17 46 16.9				343	98	.2	
01	ASB	EPN	17 46 18.5				351	99	.8	
		EPG)	17 46 25.1	83.3	.2					
		ELG)	17 46 59.7							
01	ASD	EPN	17 46 19.2	14.3	.2		356	99	.8	
01	SSI	EPN	17 46 20.8	24.9	.3		365	89	1.3	
01	AMA	EPN	17 46 32.7	16.0	.3		464	97	1.0	

SEP 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES. (SEC)	REMARKS
01	19 17 35.53	51.64 N 179.71 E	DEPTH = 16.5 KM	FREE DEPTH SOLUTION						
RAT ISLANDS, ALEUTIAN ISLANDS										
01	SSI	IPG	19 17 41.4	8.9	.1	2.58	30	344	.0	
		IS	19 17 45.6						-.0	
01	ASD	IPGC	19 17 42.4	11.6	.1	2.77	37	223	-.0	
		ES	19 17 47.5						.0	
01	ASC	IPG	19 17 43.2				42	243	.0	
01	ASB	IPG	19 17 43.5	29.9	.1	3.24	44	226	.0	
		IS	19 17 49.3						.0	
01	ACA	EPG	19 17 43.5				44	247	.0	
01	ACE	EPG	19 17 43.6				45	235	-.1	
01	ACD	EPG	19 17 43.8				46	240	.1	
01	ACB	EPG	19 17 43.9				47	246	.0	
01	ACF	EPG	19 17 44.3				51	256	-.2	QP
01	ANA	EPG	19 17 47.8				72	270	.1	
01	20 17 37.40	5.54 S 152.89 E	DEPTH = 34.0 KM MB = 5.2	TELESEISMIC SOLUTION						
NEW BRITAIN REGION										
01	ADK	EP	20 28 1.5				6985	21		
01	AMA	IPGC	21 02 13.1	20.3	.1	2.95				
		IS	21 02 16.9							
01	SSI	IP	21 02 26.5	3.5	.1					
01	ASD	EP	21 02 26.6	1.3	.1	2.21				
		ES	21 02 39.2							
01	ASB	EP	21 02 27.3	9.4	.1	3.12				
		ES	21 02 41.1							
01	ASC	EP	21 02 28.1							
01	23 4 15.61	51.25 N 178.47 E	DEPTH = 60.3 KM	FREE DEPTH SOLUTION						
RAT ISLANDS, ALEUTIAN ISLANDS										
01	ANA	EPG	23 04 26.7				44	17	.0	
01	AND	EPG	23 04 26.9				48	44	-.1	
01	ACF	EPG	23 04 27.0				47	50	.0	
01	ACB	EPG	23 04 27.1				49	61	-.0	
01	ACD	EPG	23 04 27.1				50	67	-.1	QP
01	ACA	EPG	23 04 27.4				52	60	.0	
01	ASC	EPG	23 04 27.6				53	64	.1	
01	ASB	EPG	23 04 27.7	3.3	.1	2.50	55	77	.0	POOR TAMP
		ES	23 04 36.5						.0	
01	23 3 47.30	5.68 S 152.76 E	DEPTH = 36.0 KM MB = 4.8	TELESEISMIC SOLUTION						
NEW BRITAIN REGION										
01	ADK	EP	23 14 11.5				7005	21		
01	23 52 21.09	51.20 N 179.67 E	DEPTH = 43.4 KM	FREE DEPTH SOLUTION						
RAT ISLANDS, ALEUTIAN ISLANDS										
01	ASD	EPG	23 52 29.6	1.3	.1	1.91	32	313	.0	
		IS	23 52 35.8						.0	
01	ACE	EPG	23 52 30.6				41	303	.0	
01	ASC	EPG	23 52 31.1				46	310	.0	
02	AND	IPG	00 24 20.1							
		IS	00 24 23.0							

SEP 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
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02	ACB	EPG	00 24 21.6							
02	ACD	E(P)	00 24 22.3							
02	ACE	E(P)	00 24 22.6							

02	2 48 49.57	51.77 N 177.54 E	DEPTH = 75.0 KM	FIXED DEPTH SOLUTION						
RAT ISLANDS, ALEUTIAN ISLANDS										
02	RAT	EP	02 49 .6	3.5	.1	2.57	54	86	-2.3	
02	ANA	EP	02 49 5.4				79	101	.3	
02	AND	EP	02 49 7.6				100	102	.3	
02	ASC	EP	02 49 9.5				117	106	.3	
02	ASB	EP	02 49 10.1	7.2	.1	3.07	126	110	-.1	
		ES	02 49 24.4						-.9	
02	ASD	EP	02 49 11.2	.7	.1	2.07	131	108	.4	
02	SSI	E(P)	02 49 12.6	2.4	.1	2.63	142	83	.6	

02	ASB	EP	04 28 1.1	10.1	.1	3.21				
		ES	04 28 17.0							
02	ASD	EP	04 28 1.7	.7	.1	2.06				
02	AND	EP	04 28 3.7							
02	SSI	E(P)	04 28 10.2	1.5	.1					

02	6 2 53.95	51.63 N 178.87 E	DEPTH = 75.0 KM	FREE DEPTH SOLUTION						
RAT ISLANDS, ALEUTIAN ISLANDS										
02	AND	IPG	06 03 4.9				9	142	.1	
		IS	06 03 12.9						.1	
02	ANA	IPG	06 03 5.0				15	270	.0	
02	ACF	EPG	06 03 5.1				14	143	.2	
02	ACA	EPG	06 03 5.3				24	133	.0	
02	ACB	IPG	06 03 5.3				24	140	.0	
02	ASC	IPG	06 03 5.6				27	132	.2	
02	ACD	IPG	06 03 5.6				29	140	.1	
02	ACE	EPG	06 03 5.6				33	140	-.1	QP
02	ASB	IPG	06 03 6.0	9.9	.1	2.99	39	139	-.1	
		ES	06 03 14.8						-.2	
02	RAT	IPG	06 03 6.1	8.3	.1	2.92	42	297	-.2	
		ES	06 03 15.3						.0	
02	ASD	IPG	06 03 6.3	2.8	.1	2.45	42	129	.0	
		ES	06 03 15.2						-.1	
02	SSI	IPG	06 03 7.5	3.8	.1	2.62	58	59	.0	
		IS	06 03 17.3						-.1	

02	6 12 46.76	51.13 N 179.34 E	DEPTH = 27.3 KM	FREE DEPTH SOLUTION						
RAT ISLANDS, ALEUTIAN ISLANDS										
02	ASB	IPG	06 12 53.0	20.2	.1	2.98	27	346	-.0	
		ES	06 12 57.9						.3	
02	ASD	IPG	06 12 53.2	7.1	.1	2.55	29	1	-.1	
		ES	06 12 57.8						-.3	
02	ACE	EPG	06 12 53.8				33	339	.1	
02	ASC	EPG	06 12 54.7				39	342	.1	
02	ACB	EPG	06 12 54.9				41	335	.1	
02	ACF	EPG	06 12 56.1				50	332	.0	
02	AND	EPG	06 12 56.5				55	331	-.3	
02	SSI	EP	06 13 1.5				87	11	.1	

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SEP 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
02	13	8	11.46	51.10 N	179.33 W	DEPTH = 29.4 KM				FREE DEPTH SOLUTION
				DELAROF ISLANDS, ALEUTIAN ISLANDS						
02	AMA	TPGD	13 08 17.9				26	36	.0	WHITE OUT
		IS	13 08 22.5						-.1	
02	ASD	EPN	13 08 27.7				98	290	-.1	
		IP	13 08 28.7	9.2	.1	3.03				
02	ASB	EPN	13 08 28.7	5.9	.1	2.86	103	287	.1	
		E(S)	13 08 44.0						3.0	
02	ASC	EPN	13 08 30.0				112	292	.1	
02	SSI	IP	13 08 30.5	39.0	.1	3.72	116	320	.1	
02	AND	EPN	13 08 32.4				130	294	-.2	
02	ANA	EPN	13 08 35.5				151	294	.0	
02	RAT	EP	13 08 39.0	6.5	.1	3.11	180	297	-.0	
02	13	19	43.67	51.47 N	179.84 E	DEPTH = 70.2 KM				FREE DEPTH SOLUTION
				RAT ISLANDS, ALEUTIAN ISLANDS						
02	ASD	EPG	13 19 55.1	.6	.1	1.71	36	256	.0	
02	ASB	EPG	13 19 55.6	2.2	.1	2.32	43	254	.0	
		ES	13 20 4.3						.0	
02	ASC	EPG	13 19 55.9				47	269	.0	
02	13	52	32.16	51.19 N	179.59 W	DEPTH = 75.0 KM				FIXED DEPTH SOLUTION
				DELAROF ISLANDS, ALEUTIAN ISLANDS						
02	ASD	EPG	13 52 47.5	.7	.1	1.94	78	287	-.1	
02	ASB	EPG	13 52 48.2	7.3	.1	2.97	84	284	.1	
		ES	13 52 59.8						-.0	
02	ASC	EPG	13 52 49.1				92	290	.1	QP
02	15	53	11.59	52.30 N	175.18 E	DEPTH = 75.0 KM				FIXED DEPTH SOLUTION
				RAT ISLANDS, ALEUTIAN ISLANDS						
02	RAT	EP	15 53 43.5	27.3	.2		223	103	-.2	VQS
		E(S)	15 54 7.2						-.0	
02	ANA	EP	15 53 46.7				250	106	-.4	
02	AND	EP	15 53 49.3				272	106	-.4	
02	ASC	EP	15 53 51.1				289	107	-.7	
02	ASB	EP	15 53 53.9	8.6	.1		299	109	.9	
02	ASD	EP	15 53 54.1	7.0	.2		304	108	.5	QP
02	SSI	EP	15 53 54.1	3.3	.1		305	97	.4	VQP
02	15	55	41.85	50.36 N	177.16 E	DEPTH = 0.0 KM				FIXED DEPTH SOLUTION
				RAT ISLANDS, ALEUTIAN ISLANDS						
02	ANA	EP	15 56 11.1				176	36	.2	
02	RAT	IP	15 56 11.3	8.4	.1	3.22	180	27	-.2	
02	AND	EP	15 56 12.0				184	43	-.1	
02	ASB	EP	15 56 12.1	20.5	.1	3.61	184	52	-.1	
		ES	15 56 34.4						.1	
02	ASC	EP	15 56 12.6				187	48	.0	
		ES	15 56 35.0						.1	
02	ASD	EP	15 56 12.9	2.9	.1	2.79				

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SEP 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
02	18 15	27.08	51.90 N 178.63 E	DEPTH = 88.2 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
02	ANA	EPG	18 16 40.0				30	176	-.2	
		ES	18 16 49.9						.1	
02	RAT	EP	18 16 40.0	2.7	.1	2.45	24	242	.1	
02	AND	IPG	18 16 40.8				43	149	-.1	
		ES	18 16 50.9						-.1	
02	ACF	EPG	18 16 41.3				48	149	.1	
02	ACC	EPG	18 16 41.8				54	148	.2	
02	ACD	EPG	18 16 42.4				63	146	.1	
02	ASB	E(P)	18 16 43.0	2.3	.1	2.48	73	144	-.2	
02	18 22	10.39	51.53 N 179.57 E	DEPTH = 16.6 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
02	ASD	IPG	18 22 15.1	2.2	.1	1.90	22	226	-.1	
		IS	18 22 18.7						.0	
02	ASB	IPG	18 22 16.2	10.2	.1	2.64	30	230	.0	
		IS	18 22 20.5						.1	
02	ACE	EPG	18 22 16.5				31	243	.0	
02	ACA	EPG	18 22 16.6				32	260	.1	
02	ACC	EPG	18 22 17.3				37	262	-.0	
02	SSI	EPG	18 22 17.8	.7	.1	1.57	40	1	.0	QS
		ES	18 22 23.1						-.0	
02	AND	EPG	18 22 18.1				43	275	-.1	
02	18 33	29.44	51.84 N 177.31 E	DEPTH = 84.4 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
02	RAT	IP	18 33 44.7	24.8	.1	3.49	71	93	-.2	
		IS	18 33 55.8						-.4	
02	ANA	IP	18 33 47.5				96	104	.1	
		ES	18 34 .6						.1	
02	AND	EP	18 33 49.6				118	105	-.0	
02	ASC	EP	18 33 52.2				135	107	.6	QP
02	ASB	EP	18 33 52.7	13.5	.1	3.39	144	111	.1	
		ES	18 34 9.3						-.2	
02	ASD	EP	18 33 53.5	1.7	.1	2.50	149	109	.3	
02	SSI	IP	18 33 54.2	14.2	.1	3.44	157	87	.2	
		ES	18 34 12.4						.4	
02	AMA	E(P)	18 34 .2	8.9	.1		256	103	-5.6	
02	18 35	10.92	51.58 N 177.99 E	DEPTH = 60.9 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
02	RAT	IPG	18 36 21.2	12.0	.1	2.99	33	44	-.0	
		ES	18 36 28.5						-.2	
02	ANA	IPG	18 36 22.4				47	84	.1	
		IS	18 36 30.8						.3	
02	AND	IPG	18 36 24.3				67	92	.1	
02	ASC	IPG	18 36 25.9				82	99	-.0	
02	ASB	EPG	18 36 26.8	13.4	.1	3.22	91	105	-.0	
		ES	18 36 38.1						-.3	

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SEP 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
02	23 51 58.19		52.22 N 179.87 E			DEPTH = 166.8 KM				FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
02	AND	EP	23 52 23.7				97	221	-.0	
02	ASD	EP	23 52 23.8	2.1	.1	2.64	99	202	-.1	
02	ASC	EP	23 52 23.9				97	210	.1	
02	ASB	EP	23 52 24.2	9.3	.1	3.30	105	204	-.1	
		ES	23 52 43.3						-.0	
02	ANA	EP	23 52 24.5				106	232	.2	
02	RAT	TP	23 52 24.9	2.6	.1	2.75	115	247	-.1	
03	AMA	IP C	15 18 22.0	1.9	.1					
03	ASD	EP	15 18 36.7	1.1	.1					
03	ASB	EP	15 18 37.8							
		E	15 18 53.0							
03	ASC	EP	15 18 38.9							
03	15 32 38.91		51.13 N 179.52 W			DEPTH = 33.2 KM				FREE DEPTH SOLUTION
			DELAROF ISLANDS, ALEUTIAN ISLANDS							
03	AMA	IP C	15 32 46.6				34	57	.0	
03	ASD	IP	15 32 53.4	16.1	.2	2.93	85	291	-.1	
		ES	15 33 4.2						.2	
03	ASB	EP	15 32 54.3				90	287	.1	
03	ASC	IP	15 32 55.6				99	293	.1	
03	SSI	IP	15 32 56.5				106	324	.0	
03	AND	EP	15 32 57.9				117	295	-.3	
03	ANA	EP	15 33 1.2				138	294	.2	
03	RAT	EP	15 33 4.4				167	297	-.2	
03	15 54 41.50		51.93 N 178.83 E			DEPTH = 134.1 KM				FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
03	RAT	EP	15 55 .2				38	247	-.1	
03	AND	EP	15 55 .4				42	169	-.1	
03	ANA	EP	15 55 .4				36	199	.2	
03	SSI	EP	15 55 .9				52	95	.0	
03	ASC	IP	15 55 1.1				57	156	-.0	
03	ASD	IP	15 55 1.8	3.5	.1	2.77	70	150	-.1	
		ES	15 55 16.7						-.0	
03	ASB	EP	15 55 1.9	3.8	.1	2.80	70	156	.0	
03	15 55 46.85		51.24 N 178.65 E			DEPTH = 32.9 KM				FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
03	ACC	IP	15 55 55.2				38	45	.2	
03	ACR	IP	15 55 55.3				39	51	.2	
03	ACD	IP	15 55 55.3				40	58	.1	
03	ACE	IP	15 55 55.3				40	64	.0	
03	ACF	IP	15 55 55.3				40	37	.1	
03	AND	IP C	15 55 55.4				42	30	-.0	
03	ACA	IP	15 55 55.6				42	50	.1	
03	ASB	IP C	15 55 55.7	18.7	.1	3.09	44	72	.0	
		IS	15 56 1.4							

SEP 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
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03	AMA	EP	17 14 47.0	11.7	.1					
03	ASD	EP	17 14 51.7	2.4	.1	2.66				
03	ASB	EP	17 14 51.8							
		ES	17 15 11.0							
03	ASC	EP	17 14 53.6							
03	SSI	EP	17 14 57.9	3.2	.1					

.....
 . 03 20 2 28.54 52.15 N 178.16 E DEPTH = 146.9 KM FREE DEPTH SOLUTION
 . RAT ISLANDS, ALEUTIAN ISLANDS
 .

03	RAT	EP	20 02 48.9	3.3	.1	2.74	41	163	-.0	
03	ANA	EP	20 02 50.3				68	149	.1	
03	AND	EP	20 02 51.1				85	140	-.1	
03	SSI	EP	20 02 52.4				102	106	-.0	
03	ASC	EP	20 02 52.6				103	137	.1	
03	ASB	EP	20 02 53.3				115	139	-.2	
03	ASD	EP	20 02 53.7				117	136	.1	
		ES	20 03 11.9						.0	

.....
 . 03 21 33 5.34 51.18 N 179.06 E DEPTH = 43.5 KM FREE DEPTH SOLUTION
 . RAT ISLANDS, ALEUTIAN ISLANDS
 .

03	ACE	IP	21 33 13.3				26	17	-.1	
03	ASB	IP C	21 33 13.3	8.6	.1	2.71	24	32	.1	
		ES	21 33 18.8						-.2	
03	ACD	IP	21 33 13.6				28	10	.0	
03	ASD	IP C	21 33 13.6	5.2	.1	2.52	31	39	-.2	
03	ACB	EP	21 33 14.0				32	3	.1	
03	ASC	EP	21 33 14.0				32	12	.1	
03	ACC	EP	21 33 14.1				34	358	-.0	
03	ACA	EP	21 33 14.3				34	7	.2	
03	AND	IP D	21 33 14.9				43	350	-.2	
03	ANA	EP	21 33 16.8				57	331	.1	
03	RAT	EP	21 33 20.0				86	324	-.2	
03	SSI	IP	21 33 20.4	1.7	.1	2.28	87	24	.0	

.....
 . 03 21 54 35.60 51.70 N 178.73 E DEPTH = 75.0 KM FIXED DEPTH SOLUTION
 . RAT ISLANDS, ALEUTIAN ISLANDS
 .

03	ANA	EP	21 54 46.6				9	210	.1	
03	AND	EP	21 54 46.9				22	135	.1	
		IS	21 54 55.7						.7	
03	RAT	EP	21 54 47.1	3.0	.1	2.45	30	292	-.1	
03	ASC	EP	21 54 47.9				40	131	.1	
03	ASB	EP	21 54 48.6	2.3	.1	2.39	52	136	-.1	
03	ASD	IP	21 54 48.8	2.2	.1	2.38	55	129	-.1	
03	SSI	IP C	21 54 49.6	6.3	.1	2.85	63	70	.0	

03	AMA	IP	23 19 4.3	23.8	.1					
03	ADK	EP	23 19 14.1							
		ES	23 19 29.0							
03	ASD	EP	23 19 18.8	3.9	.1	2.91				
		ES	23 19 40.0							
03	SSI	EP	23 19 19.5	17.6	.1					
03	ASB	EP	23 19 20.0	3.1	.1					
03	ASC	EP	23 19 20.8							
03	AND	EP	23 19 24.8							
03	ANA	EP	23 19 28.2							
03	RAT	EP	23 19 30.0							

SEP 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
04	J 59	7.00	51.09 N 177.07 W			DEPTH = 23.0 KM	MB = 4.0			TELESEISMIC SOLUTION
			ANDREANOF ISLANDS, ALFUTIAN ISLANDS							
04	ADK	IP D	00 59 22.6				92	17	.3	
		ES	00 59 32.0						-1.4	
04	AMA	IP	00 59 29.1				144	279	-1.0	
04	SSI	EP	00 59 43.2				248	292	-.3	
04	ASD	EP	00 59 43.9	23.4	.1		252	279	-.1	
04	ASB	EP	00 59 44.6	65.5	.2		258	278	-.2	
		ES	01 00 14.4						-.3	
04	ASC	EP	00 59 45.8				265	280	.2	
04	AND	EP	00 59 48.1				281	282	.5	
04	ANA	EP	00 59 50.7				302	283	.5	
04	RAT	EP	00 59 53.6				328	286	.1	
04	1 25	2.12	51.45 N 179.31 E			DEPTH = 63.0 KM				FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
04	ASD	EP	01 25 11.5	1.7	.1	2.10	7	163	.0	
04	ASB	EP	01 25 11.5	2.0	.1	2.18	11	205	-.1	
		ES	01 25 18.4						-.1	
04	ACF	EP	01 25 11.5				11	241	-.1	
04	ACD	EP	01 25 11.6				12	259	-.0	
04	ASC	IP C	01 25 11.7				10	278	.1	
04	ACA	EP	01 25 11.8				14	285	.1	
04	ACR	EP	01 25 11.8				15	276	.1	
04	ACC	EP	01 25 11.9				19	282	.0	
04	AND	EP	01 25 12.1				28	297	-.2	
04	ANA	IP	01 25 14.0				49	294	.1	
04	SSI	EP	01 25 14.2	2.4	.1	2.36	53	21	-.0	
04	RAT	EP	01 25 16.7	1.6	.1	2.27	78	300	-.1	
04	1 40	57.50	51.12 N 179.20 E			DEPTH = 28.0 KM				FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
04	ASB	IP D	01 41 3.9	19.3	.1	2.97	27	6	.1	
		IS	01 41 8.4						-.1	
04	ASD	IP D	01 41 4.2				31	18	-.2	
04	ASC	IP	01 41 5.4				38	356	.2	
04	ACA	EP	01 41 5.5				40	352	-.0	
04	ACB	IP	01 41 5.5				39	348	.2	
04	ACC	EP	01 41 5.8				42	345	.1	
04	AND	EP	01 41 7.0				52	340	-.1	
04	ANA	EP	01 41 9.2				68	326	-.1	
04	SSI	EP	01 41 12.6	4.4	.1	2.68	90	17	.0	
04	6 10	15.75	51.18 N 179.05 E			DEPTH = 44.0 KM				FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
04	ASB	IP	06 10 23.7	13.7	.1	2.92	24	34	.0	
		ES	06 10 29.3						-.2	
04	ACE	EP	06 10 23.8				26	19	-.0	
04	ASD	IP C	06 10 24.1				31	41	-.1	
04	ACD	EP	06 10 24.1				28	12	.1	
04	ACB	EP	06 10 24.4				31	5	.1	
04	ASC	EP	06 10 24.5				32	14	.1	
04	ACC	EP	06 10 24.5				34	359	-.0	
04	ACA	EP	06 10 24.6							

SEP 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DFG)	RES (SEC)	REMARKS
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04	7 28 43.79	50.22 N 177.38 E		DEPTH = 2.2 KM		FREE DEPTH SOLUTION				
RAT ISLANDS, ALEUTIAN ISLANDS										

04	ANA	EP	07 29 13.8				181	30	.4	
04	ASB	EP	07 29 13.9	2.5	.1	2.70	183	45	.2	
04	AND	EP	07 29 14.0				186	36	-.2	
04	RAT	EP	07 29 14.1				188	20	-.4	
04	ASC	IP	07 29 14.4				187	42	.1	
04	ASD	EP	07 29 14.6	2.5	.1	2.72	190	46	-.2	
		IS	07 29 37.3						-.1	
04	SSI	EP	07 29 22.1	6.3	.1		242	39	.2	
04	AMA	EP	07 29 25.7				275	63	-.2	

04	10 41 49.69	51.69 N 179.98 E		DEPTH = 101.1 KM		FREE DEPTH SOLUTION				
RAT ISLANDS, ALEUTIAN ISLANDS										

04	SSI	IP	10 42 4.5	7.3	.1	2.95	35	309	-.0	
04	ASD	EP	10 42 5.5	4.6	.1	2.78	56	233	-.1	
		ES	10 42 17.3						.0	
04	ASB	EP	10 42 6.1	4.1	.1	2.74	63	234	-.0	
04	ASC	IP C	10 42 6.2				62	246	.1	
04	AND	EP	10 42 6.8				72	259	-.1	
04	AMA	IP	10 42 7.3				78	125	.0	
04	ANA	IP	10 42 8.7				91	266	.2	
04	RAT	IP	10 42 10.5	4.6	.1	2.89	114	277	-.1	

04	11 0 44.23	51.54 N 178.87 E		DEPTH = 64.1 KM		FREE DEPTH SOLUTION				
RAT ISLANDS, ALEUTIAN ISLANDS										

04	AND	IP	11 00 53.7				6	66	-.0	
		IS	11 01 .6						-.1	
04	ACC	IP	11 00 53.9				13	117	.0	
04	ACF	IP	11 00 53.9				9	100	.1	
04	ACA	IP	11 00 54.0				18	110	-.1	
04	ACH	IP	11 00 54.0				17	119	-.0	
04	ASC	IP	11 00 54.2				22	113	-.0	
04	ANA	IP	11 00 54.2				17	304	.2	
04	ACD	IP	11 00 54.2				22	124	-.0	
04	ACE	IP	11 00 54.3				26	126	-.1	
04	ASB	IP	11 00 54.9				33	127	.1	
04	ASD	IP C	11 00 55.1	2.2	.1	2.29	37	117	.0	
04	RAT	EP	11 00 55.8	8.5	.1	2.90	47	308	-.1	
04	SSI	IP	11 00 57.4	19.9	.1	3.32	63	51	.0	

04	15 53 25.40	54.98 N 163.36 W		DEPTH = 107.0 KM MB = 5.8		TELESEISMIC SOLUTION				
UNTMAK ISLAND REGION										

04	ADK	IP	15 55 28.4				950	254		
04	AMA	EP	15 55 49.2				1130	255		
04	SSI	EP	15 55 56.8				1182	260		
04	ASD	EP	15 56 .3				1221	258		
		E(S)	15 58 .6							
		E(L)	15 59 12.0							
04	ASB	EP	15 56 .9				1229	258		
04	ASC	EP	15 56 1.8				1229	259		
04	AND	EP	15 56 2.3				1237	259		
04	ANA	EP	15 56 4.5				1253	260		
04	RAT	EP	15 56 6.6				1266	261		

LARGE AMP

04	ADK	EP	16 05 6.2	90.0	1.0					
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SEP 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
04	ADK	EP	16 08 38.6							
04	16 46 43.00	2.58 S	139.43 E	DEPTH = 47.0 KM	MB = 5.4					TELESEISMIC SOLUTION
			NEAR N. COAST OF WEST NEW GUINEA							
04	ADK	EP	16 57 23.9				7308	28		
04	21 23 52.41	51.17 N	178.57 E	DEPTH = 25.0 KM						FIXED DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
04	AGE	IP	21 24 1.4				49	59	.0	
04	ACB	IP	21 24 1.5				48	48	.2	
04	ACD	IP	21 24 1.5				48	54	.2	
04	ASB	IP	21 24 1.7	18.7	.1	3.11	51	66	-.1	
04	AND	IP D	21 24 1.7				51	31	.0	
04	ANA	IP	21 24 1.9				51	7	.2	
04	ACA	IP	21 24 1.9				51	48	.2	
04	ASC	IP C	21 24 2.0				52	52	.1	
04	ASD	EP	21 24 2.5	3.1	.1	2.37	59	65	-.3	
		IS	21 24 9.8						-.6	
04	RAT	IP D	21 24 4.2				72	346	-.5	
04	SSI	EP	21 24 10.1				106	41	.2	
04	AMA	IP D	21 24 25.3							
04	ASD	IP	21 24 36.9	19.5	.1	3.40				
04	ASB	EP	21 24 37.8	32.7	.2	3.35				
		ES	21 24 51.0							
04	ASC	IP	21 24 39.1							
04	SSI	EP	21 24 39.4							
04	AND	EP	21 24 41.8							
04	ANA	EP	21 24 45.0							
04	ADK	EP	21 24 47.8							
		ES	21 25 6.8							
04	RAT	EP	21 24 48.0							
04	AMA	IP	21 35 51.9							
		IS	21 35 55.1							
04	ASD	IP	21 36 4.2	9.2	.1	3.08				
		ES	21 36 16.8							
04	ASB	EP	21 36 4.9	42.1	.2	3.45				
04	SSI	IP	21 36 5.2							
04	ASC	EP	21 36 5.9							
04	AND	EP	21 36 8.4							
05	2 37 19.71	51.05 N	179.36 W	DEPTH = 32.4 KM						FREE DEPTH SOLUTION
			DELAROF ISLANDS, ALEUTIAN ISLANDS							
05	AMA	IPG	02 37 27.3				32	33	.2	WHITE OUT
05	ASD	IPN	02 37 35.9				98	293	-.3	
		IP	02 37 36.9	38.2	.1	3.66				
05	ASB	IPN	02 37 36.8				103	290	-.1	
		IP	02 37 37.9	27.7	.1	3.53				
		ES	02 37 50.1						.6	
05	ASC	EP	02 37 38.3				113	295	-.0	
05	SSI	IP	02 37 39.0				119	323	-.3	WHITE OUT
05	AND	EPN	02 37 40.7				131	297	-.2	QP
		IP	02 37 41.6							
05	ANA	EP	02 37 44.1				152	296	.5	
05	RAT	EP	02 37 47.0	21.9	.1	3.64	181	298	-.1	

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SEP 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
05	4 33	51.77	50.64 N 178.28 E	DEPTH = 25.3 KM						FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
05	ASB	EPG	04 34 9.3	11.0	.1	3.13	105	40	.2	
		ES	04 34 21.9						.2	
05	ASD	IPGD	04 34 9.9	9.7	.1	3.10	112	41	-.2	
		IS	04 34 23.3						-.2	
05	ASC	IPG	04 34 10.0				111	34	.1	
05	AND	IPGC	04 34 10.2				113	24	-.1	
05	ANA	IPGC	04 34 10.5				113	14	.2	
05	RAT	EP	04 34 12.6	6.7	.1	3.00	130	2	-.1	
05	SSI	EP	04 34 18.1	24.4	.1	3.65	167	33	.0	
05	5 48	52.54	51.51 N 178.85 E	DEPTH = 76.2 KM						FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
05	AND	EP	05 49 3.5				9	50	-.1	
05	ACB	E(P)	05 49 3.7				17	108	-.1	
05	ACD	EP	05 49 3.9				22	115	-.0	
05	ASC	EP	05 49 4.0				22	104	.1	
05	ASB	EP	05 49 4.4	2.2	.1	2.33	32	121	.0	
		ES	05 49 13.1						.1	
05	ASD	EP	05 49 4.7	1.7	.1	2.22	36	111	.0	
05	RAT	IP	05 49 5.5				48	312	.0	
05	6 50	9.48	51.64 N 179.41 E	DEPTH = 77.4 KM						FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
05	ASD	IPGD	06 50 21.1				28	190	-.2	WHITE OUT
05	ACA	EPG	06 50 21.2				27	229	-.0	
05	ASC	IPG	06 50 21.3				26	221	.1	
05	SSI	IPGD	06 50 21.4				31	23	-.0	WHITE OUT
05	ACB	EPG	06 50 21.4				30	229	.1	
05	ACD	EPG	06 50 21.4				30	219	.0	
05	ACF	EPG	06 50 21.4				31	247	-.0	
05	ASB	IPGD	06 50 21.5	84.1	.1	3.91	33	200	-.0	
		IS	06 50 30.2						-.1	
05	AND	IPG	06 50 21.5				33	255	-.0	
05	ANA	IPGC	06 50 22.9				52	269	.1	
05	RAT	IPGC	06 50 24.8				77	284	-.2	WHITE OUT
05	7 0	7.40	51.45 N 175.75 E	DEPTH = 75.0 KM						FIXED DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
05	RAT	EP	07 00 34.4	141.3	.3	4.00	183	77	-.3	QS
		E(S)	07 00 54.6						-.0	
05	ANA	EP	07 00 37.6				203	83	.5	QP
05	AND	EP	07 00 38.2				223	86	-1.3	
05	ASC	EP	07 00 41.5				237	88	.2	QP
05	ASB	EP	07 00 42.1	14.9	.2		243	91	.1	
05	ASD	EP	07 00 42.9	28.1	.3		250	90	.1	
05	SSI	EP	07 00 45.7	107.7	.4		270	78	.5	
05	7 21	12.12	52.03 N 179.46 W	DEPTH = 25.0 KM						FIXED DEPTH SOLUTION
			DELAROF ISLANDS, ALEUTIAN ISLANDS							
05	ASD	EP	07 21 30.0	1.5	.1	2.29	109	230	-.0	QP
05	ASB	EP	07 21 31.1	3.0	.1	2.61	116	231	.0	QP, QS
		ES	07 21 44.9						-.0	
05	AND	EP	07 21 31.8				121	245	.0	QP

SEP 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
05	8 21	10.06	51.87 N 177.78 E DEPTH = 83.2 KM					FREE DEPTH SOLUTION		
RAT ISLANDS, ALEUTIAN ISLANDS										
05	RAT	IPG	08 21 23.1	13.6	.1	3.16	38	101	.1	
		IS	08 21 32.4						-.1	
05	ANA	IP	08 21 25.2				66	113	.1	
05	AND	IP	08 21 26.9				88	112	-.1	
05	ASC	EP	08 21 28.8				105	115	-.1	
05	ASB	EP	08 21 30.1	1.8	.1	2.46	116	118	.1	
05	ASD	EP	08 21 30.2	2.2	.1	2.56	120	115	-.2	
		ES	08 21 45.5						.2	
05	SSI	EP	08 21 31.0	10.2	.1	3.23	124	88	.1	
		IS	08 21 46.0						-.1	
.....										
05	9 4	37.14	51.24 N 178.72 E DEPTH = 28.5 KM					FREE DEPTH SOLUTION		
PAT ISLANDS, ALEUTIAN ISLANDS										
05	ACE	EPG	09 04 44.6				36	51	-.0	
05	ACB	EPG	09 04 44.7				35	46	.1	
05	ACD	EPG	09 04 44.7				35	54	.1	
05	ASB	EPG	09 04 44.8	13.3	.2	2.59	39	70	-.2	
		IS	09 04 50.7						.0	
05	ACF	EPG	09 04 44.8				37	31	.1	
05	AND	IPG	09 04 44.9				39	24	-.1	
05	ACA	EPG	09 04 45.0				38	46	.1	
05	ASC	EPG	09 04 45.2				39	51	.2	
05	ANA	EPG	09 04 45.4				43	354	-.1	
05	ASD	EPG	09 04 45.9				46	69	-.1	QP
		IS	09 04 52.2						-.2	
.....										
05	11 17	29.84	51.69 N 179.97 W DEPTH = 85.1 KM					FREE DEPTH SOLUTION		
DELAOF ISLANDS, ALEUTIAN ISLANDS										
05	SSI	E(P)	11 17 43.0	3.9	.1	2.62	38	306	-.0	
05	ASD	EP	11 17 44.3	2.2	.1	2.42	59	235	-.1	
		ES	11 17 55.0						-.0	
05	ASB	EP	11 17 44.9	1.3	.1	2.20	66	236	-.1	
		ES	11 17 56.0						-.0	
05	ASC	EP	11 17 45.1				65	247	.2	
05	AND	EP	11 17 46.0				76	260	.1	
05	ANA	EP	11 17 47.9				95	266	.2	
05	RAT	E(P)	11 17 49.9	1.0	.1	2.21	118	276	-.2	
.....										
05	ASB	IPG	13 34 10.5	2.8	.1	2.22				
		IS	13 34 15.8							
05	ASD	IPG	13 34 10.9	1.7	.1	2.02				
.....										
05	13 44	23.81	51.47 N 178.33 E DEPTH = 51.5 KM					FREE DEPTH SOLUTION		
RAT ISLANDS, ALEUTIAN ISLANDS										
05	ANA	EPG	13 44 32.9				28	53	.1	
05	RAT	EPG	13 44 33.3	.2	.1	1.18	36	359	-.1	
05	AND	IPG	13 44 34.2				44	77	.1	
05	ACB	EPG	13 44 34.9				52	91	-.1	
05	ACD	EPG	13 44 35.5				56	95	.1	
05	ACE	EPG	13 44 35.6				59	97	-.1	
05	ASC	EPG	13 44 35.8				58	91	.3	
05	ASB	EPG	13 44 36.2	.5	.1	1.68	65	101	-.1	
		ES	13 44 45.2						-.2	
05	ASD	EPG	13 44 36.9	.7	.1	1.85	70	97	-.1	
.....										

SEP 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
05	14	2	25.41	51.16 N 178.67 E	DEPTH = 0.0 KM			FIXED DEPTH SOLUTION		
RAT ISLANDS, ALEUTIAN ISLANDS										
05	ACC	EPG	14 02 33.8				45	35	.2	
05	ASB	IPG	14 02 33.9	2.0	.1	2.06	46	60	.1	
		ES	14 02 39.9						-.0	
05	AND	EPG	14 02 34.2				49	23	-.2	
05	ASD	EPG	14 02 35.0	.3	.1	1.26	54	61	-.2	
.....										
05	ANA	EP	14 27 15.5							
05	AND	EP	14 27 15.8							
05	ASC	EP	14 27 16.1							
05	RAT	E(P)	14 27 16.3	1.5	.2					VOP
05	ASR	EP	14 27 16.4	2.3	.1	2.69				
		ES	14 27 37.8							
05	ASD	EP	14 27 16.5	3.5	.2	2.57				
05	SSI	EP	14 27 24.1	5.5	.1					QP
		ES	14 27 52.9							
.....										
05	14	55	21.00	55.95 N 165.09 E	DEPTH = 33.0 KM MB = 5.1 MS = 4.9			TELESEISMIC SOLUTION		
KOMANDORSKY ISLANDS REGION										
05	RAT	EP	14 57 27.3	29.9	.4		985	113		QP
05	ANA	EP	14 57 31.9				1014	113		QP
05	AND	EP	14 57 34.1				1035	112		QP
05	SSI	EP	14 57 36.1	65.0	.5		1052	109		QP
05	ASC	EP	14 57 36.5				1053	112		QP
05	ASR	EP	14 57 38.0	5.6	.2		1065	113		QP.VERY EMERGNT
05	ASD	EP	14 57 38.3	9.7	.4		1068	112		QP.POSS.TELE
05	AMA	EP	14 57 52.5	15.0	.4		1165	110		
05	ADK	EP	14 58 5.0				1277	103		
.....										
05	AMA	IPG	15 39 16.1	5.6	.1	2.54				
		ES	15 39 21.7							
05	SSI	EP	15 39 23.9	1.4	.1					
05	ASD	EP	15 39 26.8	1.4	.1	2.29				
05	ASB	EP	15 39 27.9	1.7	.1	2.40				
		ES	15 39 42.3							
05	ASC	EP	15 39 28.6							
.....										
05	18	4	51.16	51.57 N 177.90 E	DEPTH = 76.0 KM MB = 4.1			FREE DEPTH SOLUTION		
RAT ISLANDS, ALEUTIAN ISLANDS										
05	RAT	IP D	18 05 3.2				39	50	-.2	WHITE OUT
05	ANA	IP D	18 05 4.6				53	83	-.2	
05	AND	IP D	18 05 6.1				73	91	-.0	
05	ASC	IP C	18 05 7.8				88	98	.1	
05	ASB	IP D	18 05 8.5				96	104	-.0	CLIPPED ASB3
		ES	18 05 21.1						-.1	
05	ASD	IP D	18 05 9.2				102	101	.1	WHITE OUT
05	SSI	IP C	18 05 11.4				121	72	.1	WHITE OUT
05	AMA	EP	18 05 21.6				210	98	-.2	WHITE OUT
05	ADK	EP	18 05 41.5				375	83	-.4	
		ES	18 05 19.4						.5	
.....										
05	18	35	25.00	46.50 N 141.17 E	DEPTH = 9.0 KM MB = 6.3 MS = 7.1			TELESEISMIC SOLUTION		
SAKHALIN ISLAND										
05	RAT	EP	18 40 48.8				2745	64		TELESEISMIC
05	ANA	EP	18 40 51.5				2769	64		
05	AND	EP	18 40 53.0				2789	64		
05	ASR	EP	18 40 54.2				2811	65		

SEP 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
. 05	ASC	EP	18 40 54.2				2805	65		
. 05	ASD	EP	18 40 54.6				2817	65		
. 05	SSI	EP	18 40 57.2				2831	64		
. 05	AMA	EP	18 41 4.0				2926	65		
. 05	ADK	EP	18 41 15.8				3087	63		
.....										
05	AND	IPG	19 22 12.7							
05	ACC	IPGD	19 22 12.8							
05	ACF	IPG	19 22 12.8							
05	ACB	IPGD	19 22 12.9							
05	ACA	IPGD	19 22 13.1							
05	ACD	IPGD	19 22 13.1							
05	ANA	IPG	19 22 13.2							
05	ACE	IPGD	19 22 13.2							
05	ASC	IPG	19 22 13.3							
05	ASB	IPG	19 22 13.5	20.2	.1	3.15				
		IS	19 22 19.8							
05	ASD	IPG	19 22 14.2	22.5	.1	3.22				
05	RAT	IPGD	19 22 15.4	12.4	.1					
05	SSI	IPGC	19 22 18.7	19.1	.1	3.29				
		IS	19 22 28.4							
05	AMA	EP	19 22 27.7	1.7	.1					
.....										
. 05	19 33 47.20	46.40 N 141.17 E DEPTH = 15.0 KM MB = 5.5 MS = 6.3 TELESEISMIC SOLUTION								
		SAKHALIN ISLAND								
. 05	RAT	EP	19 39 10.4	31.6	.4		2749	64		TELE
. 05	ASD	EP	19 39 15.8	12.5	.4		2822	65		
. 05	ADK	EP	19 39 37.5				3092	63		
.....										
. 05	20 12 20.39	51.25 N 177.26 W DEPTH = 9.0 KM								
		ANDREANOF ISLANDS, ALEUTIANS ISLANDS								
FIXED DEPTH SOLUTION										
. 05	ADK	EP	20 12 35.4				81	29	.3	
		ES	20 12 45.7						-.1	
. 05	AMA	IP	20 12 41.9	22.9	.2	3.22	129	273	-.4	
		E(S)	20 12 58.9						.7	
. 05	SSI	EP	20 12 56.5	5.4	.1		229	289	-.7	POOR TAMP
. 05	ASD	EP	20 12 58.5	2.1	.1		237	275	.4	
. 05	ASB	EP	20 12 59.3	4.0	.1		243	274	.4	QP
. 05	ASC	EP	20 12 59.3				249	277	-.3	
.....										
05	AMA	IPGD	21 22 56.4	28.1	.1	3.15				POOR TAMP
		IS	21 23 .8							
05	ASD	EP	21 23 7.9	1.0	.1					QP
05	ASB	EP	21 23 9.1							QP
05	SSI	EP	21 23 9.4	2.6	.1					
.....										
. 05	22 17 32.86	51.23 N 178.77 E DEPTH = 28.5 KM								
		RAT ISLANDS, ALEUTIAN ISLANDS								
FREE DEPTH SOLUTION										
. 05	ACE	IPG	22 17 40.0				34	56	-.1	
. 05	ACD	IPG	22 17 40.1				33	49	.1	
. 05	ACB	IPG	22 17 40.2				34	41	.1	
. 05	ACA	IPG	22 17 40.5				37	41	.1	
. 05	ASB	EPG	22 17 40.6	2.3	.1	2.11	36	67	.2	QP
		IS	22 17 45.4						-.4	
. 05	ASC	IPG	22 17 40.6				37	47	.1	
. 05	ACF	EPG	22 17 40.6				36	25	.2	
. 05	AND	IPG	22 17 40.7				39	19	-.0	
. 05	ASD	EPG	22 17 41.0	.7	.1	1.64	43	66	-.3	
. 05	ANA	IPG	22 17 41.5				44	350	.0	
. 05	RAT	IPG	22 17 44.8	3.7	.1	2.52	70	334	-.3	

SEP 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
05	SSI	EP	22 17 48.4	2.7	.1	2.48	93	37	.0	POOR TAMP
05	23 30 46.95		51.71 N 179.24 W				DEPTH = 24.2 KM			FREE DEPTH SOLUTION
			DELAROF ISLANDS, ALEUTIAN ISLANDS							
05	AMA	IPG	23 30 55.8	18.4	.2	2.78	48	169	.0	
		IS	23 31 2.2						-.0	
05	SSI	IP D	23 31 .9	44.3	.1	3.65	83	284	.0	
		IS	23 31 10.9						-.2	
05	ASD	IP	23 31 4.0	8.4	.1	3.01	104	251	-.1	
05	ASB	IP	23 31 5.1	11.0	.1	3.15	112	250	-.1	
05	ASC	EP	23 31 5.9				114	256	.4	
05	AND	EP	23 31 7.2				126	263	-.1	
05	ANA	EP	23 31 10.3				145	267	.1	
05	RAT	EP	23 31 13.4	6.8	.1	3.10	168	274	-.0	
06	AMA	IPG	00 23 13.8	6.4	.1	2.44				
		ES	00 23 17.5							
06	SSI	EP	00 23 25.5	2.0	.1	2.39				
		IS	00 23 37.3							
06	2 24 18.25		51.42 N 178.80 E				DEPTH = 45.6 KM			FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
06	AND	IPGD	02 24 26.0				19	33	-.0	
06	ACC	IPGC	02 24 26.1				18	66	.1	
06	ACF	EPG	02 24 26.1				18	47	.1	
06	ACB	IPGC	02 24 26.3				21	76	.2	
06	ACD	IPG	02 24 26.4				23	87	.1	
06	ANA	IPGD	02 24 26.5				25	337	.1	
06	ACA	IPGC	02 24 26.5				23	72	.2	
06	ACE	IPG	02 24 26.5				26	94	.0	
06	ASC	IPG	02 24 26.6				26	78	.1	
06	ASB	IPGC	02 24 26.8	57.2	.1	3.58	31	101	-.1	
		ES	02 24 32.7						-.6	
06	ASD	IPGC	02 24 27.5	55.7	.1	3.59	37	94	.0	POOR TAMP
		ES	02 24 33.8						-.4	
06	RAT	IPGD	02 24 28.8	57.1	.1	3.68	54	323	-.4	
06	SSI	IPGC	02 24 32.0				76	45	.1	WHITE OUT
		ES	02 24 41.7						-.1	
06	3 32 34.66		51.68 N 178.82 E				DEPTH = 80.1 KM			FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
06	AND	EPG	03 32 46.3				16	146	-.0	
		ES	03 32 54.7						-.1	
06	ANA	EPG	03 32 46.4				13	241	.2	
		ES	03 32 54.8						.1	
06	ACB	EP	03 32 46.9				31	143	.0	
06	RAT	EP	03 32 47.0	3.6	.1	2.57	36	291	-.2	
06	ASD	EPG	03 32 47.3				34	136	.2	QP
06	ACD	EP	03 32 47.3				36	142	.1	
06	ASD	EPG	03 32 47.6	1.7	.1	2.26	48	132	-.4	QP
06	SSI	EP	03 32 48.8	2.0	.1	2.36	58	66	.1	
		ES	03 32 58.8						-.1	

SEP 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
06	6 22	1.57	51.32 N 177.14 E	DEPTH =		0.0 KM	FIXED DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
06	RAT	TP	06 22 18.9				98	56	.0	
		I(P)	06 22 20.0	41.2	.1	3.67				
		IS	06 22 31.7						.2	
06	ANA	EP	06 22 21.1				111	71	.3	
06	AND	EP	06 22 23.5				129	77	.0	
06	ASC	EP	06 22 25.8				141	83	.4	
06	ASB	EP	06 22 25.9	4.1	.1	2.82	146	87	-.3	QP
06	ASD	EPN	06 22 27.3				153	86	.1	
		IP	06 22 30.2	4.1	.1	2.84				
06	SSI	IP D	06 22 30.8	19.9	.1	3.59	181	68	-.6	
		ES	06 22 52.9						-.2	
.....										
06	6 45	59.00	46.37 N 141.13 E	DEPTH =		16.0 KM	MB = 5.7	MS = 5.3	TELESEISMIC SOLUTION	
SAKHALIN ISLAND										
06	RAT	EP	06 51 21.7	57.8	.4		2754	64		
06	ANA	EP	06 51 25.0				2778	64		
06	AND	EP	06 51 26.6				2798	64		
06	ASB	EP	06 51 27.8	9.3	.4		2820	65		NO S VISIBLE
06	ASC	EP	06 51 27.8				2814	64		
06	ASD	EP	06 51 28.2				2827	65		
.....										
06	AMA	EP	07 24 6.9	8.7	.1	2.52				
		IS	07 24 10.2							
06	ASD	EP	07 24 18.6	.8	.1	2.04				
		ES	07 24 31.3							
06	ASB	EP	07 24 19.4	.8	.1	2.04				
06	ASC	EP	07 24 20.7							
06	SSI	EP	07 24 21.0	2.1	.1					
.....										
06	8 41	59.89	52.08 N 179.69 E	DEPTH =		175.1 KM	FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
06	ASD	EP	08 42 16.2	2.5	.1	2.72	80	198	-.1	
06	AND	EP	08 42 16.2				77	222	.1	
06	ASC	EP	08 42 16.3				77	208	.1	
06	ASB	EP	08 42 16.6	2.3	.1	2.69	85	201	-.0	
		ES	08 42 35.4						-.0	
06	ANA	EP	08 42 16.8				87	235	.1	
06	RAT	IP	08 42 17.3	2.7	.1	2.77	98	252	-.1	
.....										
06	AMA	EP C	09 25 52.6	38.9	.1	3.34				
		IS	09 25 57.6							
06	SSI	IP	09 26 5.3	9.3	.1	3.14				
		IS	09 26 19.7							
06	ASD	EP	09 26 5.4	6.0	.2	2.67				
06	ASB	EP	09 26 6.4	2.7	.1	2.64				
		ES	09 26 22.3							
06	ASC	EP	09 26 7.0							
06	ANA	E(P)	09 26 12.2							
.....										
06	12 38	46.28	51.41 N 178.58 E	DEPTH =		52.2 KM	FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
06	ANA	IPGD	12 38 55.4				25	14	.3	
06	AND	IPGC	12 38 55.7				31	57	.1	
06	ACF	IPG	12 38 55.8				32	66	.2	
06	ACC	EPG	12 38 55.9				33	75	.2	
06	ACB	IPGC	12 38 56.1				36	80	.1	

SEP 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
. 06	ACD	IPG	12 38 56.2				39	87	.0	
. 06	ACA	IPGC	12 38 56.3				39	78	.1	
. 06	ACE	IPGC	12 38 56.3				41	91	-.1	
. 06	ASC	IPG	12 38 56.6				41	82	.2	
. 06	ASB	IPG	12 38 56.7	7.8	.1	2.81	47	96	-.2	
. 06		ES	12 39 4.4						-.3	
. 06	RAT	EPG	12 38 56.7	6.0	.1	2.70	47	339	-.2	
. 06		ES	12 39 4.3						-.4	
. 06	ASD	IPGC	12 38 57.5	8.7	.1	2.88	53	92	-.1	
. 06		ES	12 39 5.5						-.3	
. 06	SSI	EP	12 39 1.5	5.9	.1	2.84	88	52	-.1	
. 06		IS	12 39 12.9						.2	
.....										
06	AMA	IP	12 44 7.3	7.4	.1					
06	SSI	EP	12 45 2.1	.8	.1	2.09				
		ES	12 45 17.2							
06	ASD	EP	12 45 2.6	1.0	.1	2.20				
		ES	12 45 18.8							
06	ASB	EP	12 45 3.2	.9	.1	2.18				
		ES	12 45 20.0							
06	ASC	EP	12 45 4.2							
.....										
. 06	13 37 10.80	46.74 N 141.36 E DEPTH = 29.0 KM MB = 6.1 MS = 5.5 TELESEISMIC SOLUTION SAKHALIN ISLAND								
. 06	RAT	IP C	13 42 29.0				2720	64		TELE
. 06	ANA	EP	13 42 31.3				2744	65		QP
. 06	AND	EP	13 42 32.9				2765	65		
. 06	ASC	EP	13 42 34.1				2780	65		
. 06	ASB	EP	13 42 34.6				2787	65		
. 06	ASD	IP C	13 42 35.2				2793	65		
. 06		I	13 46 8.2							
. 06	SSI	IP C	13 42 36.4				2806	64		
. 06	AMA	EP C	13 42 43.8				2901	65		
. 06	ADK	EP	13 42 55.3	296.0	1.0		3062	64		
. 06		E	13 46 12.0							
.....										
. 06	14 23 8.19	50.95 N 179.23 E DEPTH = 17.7 KM RAT ISLANDS, ALEUTIAN ISLANDS								
. 06	ASB	EP	14 23 16.5	2.7	.1	2.21	46	1	.1	
. 06		IS	14 23 22.4						.0	
. 06	ASD	EP	14 23 16.9	2.1	.1	2.13	50	9	-.1	
. 06	ACE	EPG	14 23 17.1				50	355	.0	
. 06	ACD	EPG	14 23 17.7				54	353	.1	
. 06	ASC	EP	14 23 18.1				57	355	-.0	QP
. 06	ACB	EPG	14 23 18.1				58	350	-.1	
. 06	ACA	EPG	14 23 18.5				60	353	.0	
. 06	AND	E(P)	14 23 20.2				71	344	.0	VQP
. 06	SSI	EP	14 23 25.8	.8	.1	2.00	108	13	.0	
.....										
06	AMA	EP	15 25 58.8	31.1	.1					QP
06	SSI	EP	15 26 6.3	5.8	.1					
06	ASD	IP	15 26 9.4	7.4	.1					
06	ASB	IP	15 26 10.2	38.9	.3					
		E(S)	15 27 7.2							
06	ASC	EP	15 26 10.8							
06	AND	EP	15 26 11.4							
06	ANA	EP	15 26 13.7							
06	RAT	EP	15 26 16.6	5.8	.1					QP

SEP 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
06	15 38	49.04	51.00 N 175.60 W	DEPTH = 150.0 KM			FIXED DEPTH SOLUTION			
ANDREANOF ISLANDS, ALEUTIANS ISLANDS										
06	SSI	E(P)	15 39 38.6	1.5	.1		348	288	-.0	QP.QS.POOR TAMP
		E(S)	15 40 14.8						-.0	
06	ASD	EP	15 39 39.2	2.4	.2		356	279	-.3	
06	ASB	EP	15 39 40.3	3.1	.2		362	278	.1	
06	ASC	EP	15 39 41.1				369	280	.1	
.....										
06	SSI	EP	15 44 14.6	1.1	.1					
06	ASD	EP	15 44 17.9	1.3	.1					
06	ASB	EP	15 44 18.6	2.2	.1					NO S VISIBLE
06	ASC	EP	15 44 19.1							QP.
06	AND	EP	15 44 20.8							QP
06	ANA	EP	15 44 22.9							QP
.....										
06	SSI	EP	16 40 13.8	.7	.1	1.87				
		ES	16 40 23.8							
06	ASD	EP	16 40 18.7	1.3	.1	2.25				
		ES	16 40 32.5							
06	ASB	EP	16 40 20.1	3.5	.2	2.40				
		ES	16 40 34.3							
06	ASC	EP	16 40 20.9							
.....										
06	17 18	35.75	51.19 N 178.33 E	DEPTH = 19.8 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
06	ANA	IPG	17 18 45.5				53	25	.3	
06	AND	IPG	17 18 46.0				59	46	-.1	
06	ACB	EPG	17 18 46.4				61	60	.2	
06	ACD	EPG	17 18 46.6				62	65	.2	
06	RAT	IPG	17 18 46.8	9.6	.1	2.90	67	360	-.5	
06	ASB	IPG	17 18 46.9	3.8	.1	2.49	66	73	-.2	
		ES	17 18 54.8						-.5	
06	ASC	EPG	17 18 47.0				65	62	.1	
		ES	17 18 55.0						-.0	
06	ACA	EPG	17 18 47.0				63	59	.4	
06	ASD	EPG	17 18 47.9	2.0	.1	2.24	74	72	-.3	
06	SSI	EP	17 18 54.6	4.4	.1	2.77	117	48	-.1	
		ES	17 19 8.5						.1	
.....										
06	ADK	EP	20 15 52.4							
.....										
06	20 17	38.84	51.91 N 179.26 E	DEPTH = 153.9 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
06	SSI	EP	20 17 59.6	.9	.1	2.19	22	95	-.0	
06	AND	EP	20 18 .3				44	209	.1	
06	ASC	EP	20 18 .5				50	188	.1	
06	ASD	EP	20 18 .7	3.6	.1	2.82	58	175	-.1	
06	ASB	EP	20 18 .8	2.1	.1	2.58	61	181	-.1	
		ES	20 18 17.0						-.0	
06	ANA	EP	20 18 .8				52	233	.3	QP
06	RAT	EP	20 18 .9	1.1	.1	2.30	65	260	-.2	
.....										
06	20 24	13.72	51.18 N 178.67 E	DEPTH = 26.5 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
06	ACE	EPG	20 24 21.9				43	55	-.1	
06	ACD	IPG	20 24 22.1				43	50	.1	
06	ASB	IPGD	20 24 22.2	6.6	.1	2.62	45	63	-.1	
		IS	20 24 28.2						-.3	

SEP 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
06	ACB	IPG	20 24 22.2				43	43	.2	
06	ACC	EPG	20 24 22.2				43	38	.2	
06	ACF	IPG	20 24 22.5				45	31	.3	
06	AND	IPGD	20 24 22.6				47	25	.1	
06	ACA	IPG	20 24 22.6				46	43	.2	
06	ASC	IPG	20 24 22.7				47	48	.2	
06	ASD	IPGD	20 24 23.0	7.0	.1	2.69	53	63	-.3	
		ES	20 24 29.7						-.6	
06	ANA	IPGD	20 24 23.0				50	360	.1	
06	RAT	IPG	20 24 25.6	6.7	.1	2.78	73	341	-.6	
06	SSI	EP	20 24 30.5	7.6	.1	2.96	102	39	.1	
		ES	20 24 42.8						.0	
.....										
06	21 12 2.45	50.33 N 177.48 E DEPTH = 4.2 KM RAT ISLANDS, ALEUTIAN ISLANDS								FREE DEPTH SOLUTION
06	ANA	EP	21 12 29.9				166	29	.3	
06	ASB	EP	21 12 30.0	1.4	.1	2.41	169	47	-.1	
		E(S)	21 12 50.1						-.1	
06	AND	EP	21 12 30.3				172	36	-.2	
06	RAT	EP	21 12 30.6	3.2	.2	2.48	174	20	-.2	
06	ASD	EP	21 12 30.8	1.1	.1	2.33	176	47	-.3	
06	ASC	EP	21 12 31.1				173	43	.5	QP
06	SSI	EP	21 12 38.5	3.9	.1		228	40	.0	
		ES	21 13 4.8						.0	
.....										
06	22 33 56.80	51.59 N 178.84 E DEPTH = 68.3 KM RAT ISLANDS, ALEUTIAN ISLANDS								FREE DEPTH SOLUTION
06	AND	IPG	22 34 6.8				8	112	-.0	
06	ANA	IPG	22 34 7.0				13	288	.0	
06	ACF	EPG	22 34 7.0				13	124	.1	
06	ACC	EPG	22 34 7.1				18	130	-.0	
06	ACB	EPG	22 34 7.3				22	129	.0	
06	ASC	IPG	22 34 7.5				26	122	.0	
06	ACA	EPG	22 34 7.6				23	122	.3	
06	ACD	EPG	22 34 7.6				27	131	.1	
06	ACE	EPG	22 34 7.7				31	133	-.0	
06	ASB	IPG	22 34 8.1	4.5	.1	2.61	38	132	-.1	
		ES	22 34 16.3						-.2	
06	ASD	IPG	22 34 8.2	4.8	.1	2.65	41	122	-.2	
06	RAT	IPG	22 34 8.4	12.7	.1	3.08	42	303	-.1	
		ES	22 34 17.0						-.0	
06	SSI	IPG	22 34 10.1	6.2	.1	2.82	61	57	-.0	
		ES	22 34 19.8						-.0	
.....										
06	23 30 26.42	51.72 N 179.91 W DEPTH = 90.6 KM DELAROF ISLANDS, ALEUTIAN ISLANDS								FREE DEPTH SOLUTION
06	SSI	EP	23 30 40.3	1.2	.1	2.13	40	299	.0	
06	ASD	EP	23 30 41.9	1.7	.1	2.32	64	235	.0	
		ES	23 30 53.2						.0	
06	ASC	EP	23 30 42.5				70	246	.1	
06	AND	EP	23 30 43.2				81	258	-.1	
06	ANA	EP	23 30 45.2				99	265	.1	

SEP 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
06	23 35	32.10	5.81 S	146.65 E	DEPTH = 116.0 KM MB = 5.2			TELESEISMIC SOLUTION		
EAST NEW GUINEA REGION										
06	ASR	EP	23 45 51.5	8.2	.4		7054	22		TELE
06	ASD	EP	23 45 51.9	9.7	.4		7060	22		
06	SSI	EP	23 45 55.1	37.1	.3		7115	22		
06	ADK	EP	23 46 4.6				7276	24		
.....										
.....										
06	23 50	44.80	51.17 N	179.47 W	DEPTH = 75.0 KM			FIXED DEPTH SOLUTION		
DELAROF ISLANDS, ALEUTIAN ISLANDS										
06	AMA	EP	23 50 55.8	5.6	.2	2.42	28	61	-.5	
06	ASD	EP	23 51 1.2				87	287	.1	
06	ASB	EP	23 51 2.2	1.8	.1	2.38	92	284	.5	
		ES	23 51 12.1						-1.9	
06	SSI	EP	23 51 3.1	.6	.1	1.94	104	321	.1	
		ES	23 51 13.1						-3.1	
06	ASC	EP	23 51 3.4				101	290	.8	
.....										
07	ASD	IP	00 23 22.8							FROM BRUSH
07	ASR	IP	00 23 23.9							RECORD
		IS	00 23 35.7							
07	ASC	IP	00 23 25.3							
.....										
.....										
07	1 25	40.35	51.40 N	177.89 W	DEPTH = 0.0 KM			FIXED DEPTH SOLUTION		
ANDREANOF ISLANDS, ALEUTIANS ISLANDS										
07	AMA	EP	01 25 56.1				85	263	.4	
07	ADK	EP	01 25 57.9				100	56	.0	
		ES	01 26 10.4						-.2	
07	SSI	EP	01 26 10.8				183	289	.4	
07	ASD	EP	01 26 11.5	2.9	.1	2.79	192	271	-.4	
		ES	01 26 34.6						-.2	
07	ASB	EP	01 26 12.2	6.2	.1	3.12	199	270	-.7	
07	ASC	EP	01 26 13.7				204	273	-.0	
07	AND	EP	01 26 16.6				219	276	.7	
07	ANA	EP	01 26 18.7				240	277	.2	
07	RAT	EP	01 26 21.2				265	281	-.4	
.....										
.....										
07	3 14	12.70	52.64 N	169.78 W	DEPTH = 46.0 KM MB = 4.2			TELESEISMIC SOLUTION		
FOX ISLANDS, ALEUTIAN ISLANDS										
07	ADK	EP	03 15 17.3				479	263		
		ES	03 15 6.3							
07	ASD	EP	03 15 52.3	11.6	.1		760	264		
07	ASB	IP	03 15 53.3	19.2	.1		767	264		
07	ASC	EP	03 15 54.3				770	265		
07	AND	EP	03 15 55.6				781	266		
07	ANA	IP	03 15 58.5				799	266		
.....										
.....										
07	8 35	28.40	52.17 N	179.52 W	DEPTH = 150.1 KM			FREE DEPTH SOLUTION		
DELAROF ISLANDS, ALEUTIAN ISLANDS										
07	SSI	EP	08 35 50.4				68	244	-.0	
07	AMA	EP	08 35 52.6				102	164	.0	
07	ASD	IP	08 35 53.5	5.2	.1	3.03	117	223	-.2	
07	ASC	IP	08 35 54.1				120	230	.1	
07	ASB	IP	08 35 54.3	8.3	.1	3.24	124	224	.0	
		IS	08 36 13.2						.0	
07	AND	EP	08 35 54.7				125	238	.3	

SEP 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
07	ANA	EP	08 35 55.4				139	245	-0.2	
07	11 41 47.89		51.13 N 179.48 W							DEPTH = 37.4 KM FREE DEPTH SOLUTION DELAROF ISLANDS, ALEUTIAN ISLANDS
07	AMA	IP C	11 41 55.7	56.2	.1	3.52	32	55	-0.1	
07	ASD	EP	11 42 2.9	15.5	.1	3.23	87	290	-0.1	
07	ASB	IP	11 42 3.8	11.4	.1	3.11	92	287	.1	
		ES	11 42 15.0						-0.2	
07	ASC	IP	11 42 5.2				101	292	.2	
07	SSI	IP C	11 42 5.9	48.8	.1	3.80	107	323	.2	
07	AND	EP	11 42 7.2				119	295	-0.0	
07	ANA	EP	11 42 11.0				140	294	1.1	
07	RAT	EP	11 42 11.7				169	297	-1.7	
07	12 42 5.26		50.41 N 178.45 E							DEPTH = 100.0 KM FIXED DEPTH SOLUTION RAT ISLANDS, ALEUTIAN ISLANDS
07	ASB	IP C	12 42 25.5	51.5	.1	3.95	120	28	-1.2	
		ES	12 42 42.5						.1	
07	ASD	IP C	12 42 25.8	15.3	.1	3.43	126	29	-1.5	
07	ASC	IP	12 42 26.9				128	23	-0.6	
07	AND	EP	12 42 28.3				133	15	.2	
07	ANA	EP	12 42 30.1				137	6	1.7	
07	SSI	IP	12 42 34.1	28.8	.1	3.81	184	25	.5	
07	AMA	IP	12 42 36.2				198	59	.9	
07	RAT	IP	14 32 42.4	12.6	.1					
07	ANA	EP	14 32 45.8							
07	AND	EP	14 32 48.1							
07	ASC	EP	14 32 50.3							
07	ASB	EP	14 32 52.4							
07	ASD	EP	14 32 53.1							
		ES	14 33 15.8							
07	16 43 22.05		50.67 N 177.23 E							DEPTH = 7.3 KM FREE DEPTH SOLUTION RAT ISLANDS, ALEUTIAN ISLANDS
07	RAT	EP	16 43 45.9				147	31	-0.1	
07	ANA	EP	16 43 46.2				146	43	.3	
07	AND	EP	16 43 47.4				156	50	-0.0	
07	ASC	EP	16 43 47.8				162	56	-0.4	
07	ASB	IP	16 43 48.3	15.3	.1	3.43	161	61	.2	
		ES	16 44 7.1						-0.0	
07	ASD	EP	16 43 49.3	5.6	.1	3.01	168	61	.1	
07	SSI	IP	16 43 55.9				213	50	.0	
07	20 23 17.15		51.43 N 179.84 W							DEPTH = 25.0 KM FIXED DEPTH SOLUTION DELAROF ISLANDS, ALEUTIAN ISLANDS
07	ASD	EP	20 23 27.4	3.4	.1	2.40	57	266	.1	
07	ASB	EP	20 23 28.3				64	263	-0.0	
		ES	20 23 36.5						.0	
07	ASC	EP	20 23 29.1				69	273	-0.0	
08	ADK	EP	00 06 4.3							
		ES	00 07 3.1							

SEP	STA	PHASE	TIME	AMP	PER	MAG	DIST	AZI	RES	REMARKS
1971			(GMT)	(MU)	(SEC)		(KM)	(DEG)	(SEC)	
.....										
08	3 39 54.46		53.25 N 176.29 E	DEPTH = 150.0 KM			FIXED DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
08	ANA	EP	03 40 32.0				242	137	.0	
08	AND	EP	03 40 33.9				260	135	-.1	
08	ASC	EP	03 40 36.1				278	134	.1	
08	ASD	EP	03 40 37.7				293	134	.0	
		ES	03 41 9.2						.0	
.....										
.....										
08	6 0 22.62		51.23 N 178.46 E	DEPTH = 26.9 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
08	ANA	EP	06 00 31.6				46	18	.3	
08	AND	EP	06 00 31.9				50	43	-.0	
08	ASB	IP	06 00 32.7	8.8	.1	2.82	57	75	-.1	
		ES	06 00 39.8						-.5	
08	ASC	IP	06 00 32.8				55	62	.2	
08	RAT	IP D	06 00 33.4	3.3	.1	2.43	64	352	-.4	
08	ASD	IP	06 00 33.8				64	74	-.1	
.....										
08	ADK	EP	11 20 46.4							
		ES	11 21 9.2							
.....										
08	11 48 23.40		46.38 N 141.15 E	DEPTH = 6.0 KM			MB = 5.9 MS = 6.6 TELESEISMIC SOLUTION			
SAKHALIN ISLAND										
08	ADK	EP	11 54 15.7				3095	63		
.....										
.....										
08	13 32 29.53		51.88 N 178.62 E	DEPTH = 109.9 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
08	RAT	IP D	13 32 44.7				21	247	-.2	
08	ANA	IP D	13 32 45.2				28	174	.1	
08	AND	IP D	13 32 45.7				42	146	.0	
08	ACA	IP	13 32 46.5				56	141	.1	
08	ACB	IP	13 32 46.6				56	144	.1	
08	ASC	IP	13 32 46.8				60	140	.1	
08	ACD	IP	13 32 46.8				61	144	.0	
08	ACE	IP	13 32 46.9				65	144	-.1	
08	SSI	IP D	13 32 47.2				67	88	.1	
08	ASB	IP D	13 32 47.5	242.9	.1	4.55	72	142	-.0	
		IS	13 33 .5						-.1	
08	ASD	IP D	13 32 47.7				74	137	.1	
08	AMA	EP	13 32 56.8	25.9	.1	3.75	170	112	-.1	
.....										
.....										
08	16 59 52.60		46.25 N 140.94 E	DEPTH = 16.0 KM			MB = 5.9 MS = 6.2 TELESEISMIC SOLUTION			
NEAR E. COAST OF EASTERN RUSSIA										
08	ADK	EP	17 05 45.1				3116	63		
.....										
.....										
08	20 38 25.49		51.24 N 180.00 E	DEPTH = 57.5 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
08	ASD	IP C	20 38 36.7	88.2	.1	3.89	48	290	-.0	
08	ASB	IP C	20 38 37.2	205.8	.1	4.28	54	285	-.0	
		IS	20 38 45.7						-.1	
08	ACE	IP	20 38 37.8				60	288	-.1	
08	AMA	IP C	20 38 38.1				63	85	-.0	

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SEP 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS	
.08	ASC	IP D	20 38 38.3				63	293	.2		
.08	ACD	IP	20 38 38.3				63	290	.1		
.08	ACA	IP	20 38 38.6				67	294	.1		
.08	ACB	IP	20 38 38.7				68	292	.0		
.08	ACF	IP	20 38 39.6				76	295	-.0		
.08	SSI	IP C	20 38 39.8				78	339	.0		
.08	AND	IP	20 38 39.9				81	297	-.2		
.08	ANA	IP	20 38 42.6				102	295	-.0		
.08	RAT	IP	20 38 46.1				131	299	.0		
.....											
.08	21 25 54.78	51.45 N 179.03 E DEPTH = 21.1 KM					FREE DEPTH SOLUTION				
RAT ISLANDS, ALEUTIAN ISLANDS											
.08	ACB	IP	21 25 58.4				5	75	-.0		
.08	ACA	IP	21 25 58.6				7	63	.1		
.08	ACD	IP	21 25 58.7				8	109	.1		
.08	ACF	IP	21 25 58.7				12	119	-.1		
.08	ASC	IP	21 25 58.8				10	83	.1		
.08	AND	EP	21 25 59.0				13	337	.0		
		IS	21 26 1.9						-.1		
.08	ASB	IP	21 25 59.5				18	124	.0		
.08	ASD	EP	21 25 59.9	.6	.1	1.35	23	107	-.1		
.....											
.09	0 20 .66	51.41 N 179.29 E DEPTH = 54.2 KM					FREE DEPTH SOLUTION				
RAT ISLANDS, ALEUTIAN ISLANDS											
.09	ASD	IP	00 20 8.9	10.9	.1	2.86	4	126	-.0		
.09	ASB	IP	00 20 8.9				7	208	-.1		
		IS	00 20 15.0						-.0		
.09	ASC	IP	00 20 9.2				10	301			
.09	AND	IP	00 20 9.8				29	305	-.2		
.09	ANA	EP	00 20 11.8				50	299	.1		
.....											
.09	AMA	EP	00 49 17.8								
.09	SSI	EP	00 49 27.4								
.09	ASD	EP	00 49 30.2	16.1	.2						
		ES	00 50 23.4								
.09	ASB	EP	00 49 31.6	19.3	.2						
.09	ASC	EP	00 49 31.8								
.09	AND	EP	00 49 34.0								
.09	ANA	EP	00 49 36.5								
.09	RAT	EP	00 49 38.8								
.....											
.09	1 57 40.41	51.56 N 178.44 E DEPTH = 33.4 KM					FREE DEPTH SOLUTION				
RAT ISLANDS, ALEUTIAN ISLANDS											
.09	ANA	IP	01 57 46.6				17	63	.1		
.09	RAT	IP D	01 57 47.4				28	345	-.1		
.09	AND	IP	01 57 48.2				36	89	-.1		
.09	ACB	IP	01 57 49.8				46	103	.2		
.09	ACA	IP	01 57 50.0				48	100	.2		
.09	ACD	IP	01 57 50.3				50	106	.1		
.09	ASC	IP	01 57 50.5				51	101	.2		
		IS	01 57 57.3						-.2		

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SEP 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
09	2 56	30.15	51.29 N 179.79 W	DEPTH = 32.5 KM			FREE DEPTH SOLUTION			
DELAROF ISLANDS, ALEUTIAN ISLANDS										
09	AMA	IP	02 56 39.4				47	89	.0	
09	ASD	IP	02 56 41.3	10.9	.1	2.95	62	281	-.1	
09	ASB	IP	02 56 42.2				68	277	-.0	
		IS	02 56 51.0						-.0	
09	ASC	IP	02 56 43.5				76	286	.2	
09	SSI	EP	02 56 44.0				80	328	-.0	
09	AND	IP	02 56 45.8				93	290	-.0	
09	ANA	IP	02 56 49.0				114	290	.0	
09	RAT	EP	02 56 52.8				142	294	-.0	
09	ASD	EP	05 38 11.5	5.3	.1					NO S.
09	ASB	EP	05 38 12.7	6.9	.1					
09	ASC	EP	05 38 13.2							
09	AND	EP	05 38 14.7							
09	ANA	EP	05 38 17.5							
09	6 33	3.07	51.37 N 178.75 E	DEPTH = 46.8 KM			FREE DEPTH SOLUTION			
PAT ISLANDS, ALEUTIAN ISLANDS										
09	AND	IP	06 33 11.3				26	34	-.1	
09	ACC	IP	06 33 11.4				24	58	.1	
09	ACF	IP	06 33 11.4				24	45	.1	
09	ACR	IP	06 33 11.5				26	67	.1	
09	ACD	IP	06 33 11.6				28	77	.0	
09	ACA	IP	06 33 11.7				28	64	.1	
09	ACE	IP	06 33 11.7				30	83	-.0	
09	ANA	IP	06 33 11.8				29	348	.1	
09	ASC	IP	06 33 11.9				31	70	.1	
09	ASB	IP	06 33 12.1	6.6	.1	2.66	35	92	-.0	
		IS	06 33 18.3						-.5	
09	ASD	IP	06 33 12.8				41	87	.0	
09	RAT	EP	06 33 14.1				56	329	-.3	
09	SSI	EP	06 33 17.5				82	45	.0	
09	5 58	45.68	50.96 N 179.87 E	DEPTH = 34.1 KM			FREE DEPTH SOLUTION			
PAT ISLANDS, ALEUTIAN ISLANDS										
09	ASD	IP	06 58 56.8	17.2	.1	3.15	60	323	-.0	
09	ASB	EP	06 58 57.1				62	316	.0	
		ES	06 59 4.9						-.4	
09	ASC	EP	06 58 58.9				74	319	.1	
09	AMA	IP	06 58 59.5				80	63	-.1	
09	AND	EP	06 59 1.3				92	317	-.1	
09	SSI	IP	06 59 3.5				106	350	.2	
09	ANA	EP	06 59 4.4				112	312	.2	
09	RAT	EP	06 59 8.0				142	312	-.1	
09	8 54	.23	51.58 N 179.89 W	DEPTH = 73.2 KM			FREE DEPTH SOLUTION			
DELAROF ISLANDS, ALEUTIAN ISLANDS										
09	SSI	EP	08 54 13.0				50	314	.0	
09	ASD	IP	08 54 13.5	14.6	.1	3.19	57	249	-.1	
09	AMA	EP	08 54 1							

SEP	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	PES (SEC)	REMARKS
1971										
09	11 41	41.05	51.73 N 179.67 E	DEPTH = 104.7 KM				FREE DEPTH SOLUTION		
			RAT ISLANDS, ALEUTIAN ISLANDS							
09	ASC	EP	11 41 56.7				46	230	-.1	
09	ASD	EP	11 41 56.8				44	211	.1	SMALL
09	ASB	EP	11 41 57.1				51	216	.0	
		ES	11 42 8.8						.0	
09	ASD	EP	11 41 57.3	.7	.1	1.95	44	211	.6	
09	AND	EP	11 41 57.3				53	250	.1	
09	13 33	27.40	51.86 N 179.66 W	DEPTH = 101.1 KM				FREE DEPTH SOLUTION		
			DELAROF ISLANDS, ALEUTIAN ISLANDS							
09	SSI	IP	13 33 43.1				52	274	-.0	
09	AMA	EP	13 33 44.8	8.6	.1	3.08	74	149	.1	
09	ASD	IP	13 33 45.6	6.2	.1	2.96	87	233	-.2	
09	ASC	EP	13 33 46.3				93	242	.0	
09	ASB	EP	13 33 46.4	8.6	.1	3.12	94	234	-.0	
		ES	13 34 .4						.1	
09	AND	EP	13 33 47.1				101	251	-.0	
09	ANA	EP	13 33 48.9				119	258	.1	
09	RAT	EP	13 33 50.9	1.1	.1	2.31	139	268	.0	
09	15 22	54.44	50.97 N 178.78 E	DEPTH = 29.8 KM				FREE DEPTH SOLUTION		
			RAT ISLANDS, ALEUTIAN ISLANDS							
09	ASB	IP D	15 23 4.5	423.6	.2	4.19	54	37	.1	
		ES	15 23 11.5						-.2	
09	ASD	IP D	15 23 5.2				61	40	-.2	
09	ASC	IP C	15 23 5.5				61	26	.1	
09	AND	IP D	15 23 6.3				67	10	.1	
09	ANA	IP D	15 23 7.4				73	353	.2	
09	RAT	IP	15 23 10.4	69.5	.1	3.91	97	341	-.3	
09	SSI	IP	15 23 13.7				117	28	.1	
09	AMA	EP	15 23 18.4				151	76	-.0	
09	19 43	29.39	51.99 N 179.75 E	DEPTH = 143.6 KM				FREE DEPTH SOLUTION		
			RAT ISLANDS, ALEUTIAN ISLANDS							
09	SSI	IP D	19 43 48.8				15	226	.0	
09	ASD	IP	19 43 50.8				72	203	-.1	LARGE
09	AND	IP	19 43 50.8				72	230	-.1	
09	ACA	IP	19 43 50.8				71	218	-.1	
09	ASC	IP	19 43 50.9				71	215	.1	
09	ACF	IP	19 43 50.9				73	226	-.1	
09	ACC	IP	19 43 51.0				74	221	-.0	
09	ACB	IP	19 43 51.1				74	218	.1	
09	ACD	IP	19 43 51.2				75	214	.1	
09	ACE	IP	19 43 51.2				76	212	.0	
09	ASB	IP	19 43 51.3	494.2	.1	4.95	78	207	.0	
		IS	19 44 7.2						-.0	
09	ANA	IP	19 43 51.8				85	242	.1	
09	RAT	IP D	19 43 52.7				100	258	-.1	
09	AMA	EP	19 43 53.6				111	134	-.0	
09	ADK	EP	19 44 6.2				245	91	-.7	
		ES	19 44 34.3						-.0	

SEP 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
09	23	1	6.80	44.44 N 150.86 E	DEPTH =	7.0 KM	MB = 6.0	MS = 5.9	TELESEISMIC SOLUTION	
KURIL ISLANDS REGION										
09	ADK	IP D	23 06 10.3	1375.0	1.2		2530	59		
.....										
09	ADK	EP	23 10 1.8							
.....										
10	3	12	26.14	51.52 N 179.41 E	DEPTH =	22.1 KM	FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
10	ASD	IP C	03 12 30.5	31.2	.1	3.03	15	199	-.1	
10	ASC	IP	03 12 31.1				18	251	.2	
10	ASB	IP C	03 12 31.2				21	213	-.0	
		IS	03 12 34.9						-.0	
10	ACA	IP C	03 12 31.3				21	259	.1	
10	ACF	IP	03 12 31.3				29	272	-.9	
10	ACF	IP	03 12 31.4				21	232	.2	
10	ACD	IP	03 12 31.5				22	243	.2	
10	ACB	IP	03 12 31.7				23	255	.2	
10	AND	EP	03 12 32.5				32	279	-.1	
10	SSI	IP C	03 12 34.3	11.2	.1	2.83	44	16	.1	
10	ANA	EP	03 12 35.8				53	283	.2	
10	RAT	EP	03 12 39.9	3.8	.1	2.57	81	293	.2	
10	AMA	EP	03 12 43.4	2.9	.1	2.55	106	103	-.1	
.....										
10	6	13	58.51	51.96 N 179.64 W	DEPTH =	75.0 KM	FIXED DEPTH SOLUTION			
DELAROF ISLANDS, ALEUTIAN ISLANDS										
10	ASD	EP	06 14 15.5	3.9	.1	2.73	94	228	-.1	
10	ASB	EP	06 14 16.3	3.3	.1	2.67	101	230	-.1	
		IS	06 14 29.4						-.0	
10	ASC	IP	06 14 16.3				99	237	.2	
10	AND	EP	06 14 17.0				106	246	.1	
10	ANA	EP	06 14 18.9				122	253	.2	
10	RAT	IP D	06 14 20.6	3.3	.1	2.76	140	264	-.2	
.....										
10	6	22	24.53	51.13 N 175.29 E	DEPTH =	75.0 KM	FIXED DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
10	RAT	EP	06 22 56.3				224	69	-.5	
10	ANA	EP	06 22 58.6				241	75	-.2	
10	AND	EP	06 23 .7				259	78	-.4	
10	ASC	EP	06 23 3.0				272	81	.3	
10	ASB	EP	06 23 3.8				277	83	.5	
		ES	06 23 31.5						-.0	
10	ASD	EP	06 23 4.6				284	82	.5	
10	SSI	EP	06 23 8.0				310	72	.7	
10	AMA	EP	06 23 10.5				391	85	-6.7	
.....										
10	6	27	45.51	51.21 N 175.45 E	DEPTH =	50.0 KM	FIXED DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
10	RAT	EP	06 28 15.1	99.2	.3		210	71	-.6	
10	ANA	EP	06 28 17.9				228	77	.0	
10	AND	EP	06 28 19.6				246	79	-.6	
10	ASC	EP	06 28 21.1				260	82	-.7	
10	ASB	EP	06 28 22.1				265	85	-.3	
		ES	06 28 50.9						1.5	
10	ASD	EP	06 28 23.9				271	84	.6	
10	SSI	EP	06 28 26.7				296	73	.4	
.....										

SEP 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
10	6 28	51.10	20.43 S 174.20 W	DEPTH = 33.0 KM MB = 5.8 MS = 5.8			TELESEISMIC SOLUTION			
TONGA ISLANDS										
10	ADK	EP	06 40 13.0				8010	358		
10	7 36	51.39	51.40 N 178.76 E	DEPTH = 46.9 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
10	AND	IP C	07 36 59.4				23	36	-0.1	
10	ACF	IP	07 36 59.5				22	49	.0	
10	ACC	IP	07 36 59.6				22	64	.1	
10	ACB	IP	07 36 59.7				24	73	.1	
10	ACA	IP	07 36 59.8				27	70	-0.0	
10	ACD	IP	07 36 59.9				26	83	.1	
10	ACE	IP	07 36 59.9				29	89	-0.1	
10	ANA	IP D	07 37 0.0				26	345	.2	
10	ASC	IP	07 37 .2				29	76	.2	
10	ASB	IP	07 37 .4				34	97	-0.0	
		IS	07 37 6.4						-0.6	
10	ASD	IP	07 37 1.0	7.0	.1	2.71	40	91	-0.0	
10	RAT	EP	07 37 2.1				54	326	-0.3	
10	SSI	IP	07 37 5.5				79	46	.0	
10	10 53	49.40	51.65 N 179.57 E	DEPTH = 95.1 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
10	ASD	EP	10 54 3.3	1.5	.1	2.25	33	209	-0.1	
10	ASB	EP	10 54 3.7	6.6	.1	2.89	39	215	-0.0	
		ES	10 54 14.2						-0.0	
10	AND	EP	10 54 3.8				44	258	-0.2	
10	ASC	EP	10 54 3.9				35	234	.4	
10	ANA	EP	10 54 5.3				63	268	.0	
10	11 12	38.53	51.66 N 179.52 E	DEPTH = 80.5 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
10	SSI	EP	11 12 50.6				27	10	-0.0	
10	ASD	IP C	11 12 50.7	6.6	.1	2.82	32	202	-0.2	
10	ASC	IP	11 12 51.1				33	229	.2	
10	ASB	IP C	11 12 51.2				38	210	.0	
		ES	11 13 .5						.1	
10	AND	EP	11 12 51.3				40	255	-0.0	
10	ANA	IP D	11 12 52.6				59	267	-0.1	
10	RAT	EP	11 12 55.0				83	281	.1	
10	AMA	IP	11 12 57.0				104	113	.0	
10	ASD	EP	12 31 6.1	3.5	.1	1.90				
10	ASB	EP	12 31 7.4							
		IS	12 31 10.2							
10	13 52	41.80	18.15 S 179.59 W	DEPTH = 672.0 KM MB = 5.2			TELESEISMIC SOLUTION			
FIJI ISLANDS REGION										
10	ADK	EP	14 02 48.1				7759	2		

SEP 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
10	15 37	1.34	51.18 N 179.69 E	DEPTH = 32.2 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
10	ASD	IP	15 37 8.9	6.2	.1	2.55	34	315	-.0	
10	ASB	EP	15 37 9.3	1.5	.1	1.95	37	304	.0	
		ES	15 37 15.1						.0	
10	ASC	EP	15 37 10.9				49	311	.2	
10	AND	IP	15 37 13.2				67	310	-.1	
.....										
10	19 13	37.65	51.33 N 179.99 E	DEPTH = 26.2 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
10	ASD	IP	19 13 46.0	3.5	.1	2.35	45	278	-.2	
10	ASB	IP	19 13 47.3	11.2	.1	2.89	52	274	.2	
		IS	19 13 53.9						-.1	
10	ASC	IP	19 13 48.3				59	284	.2	
10	AMA	IP	19 13 48.7	9.8	.1	2.90	63	94	-.0	
10	AMA	IP	19 13 48.7				63	94	-.0	
10	SSI	IP	19 13 49.5				68	336	.0	
10	AND	EP	19 13 50.6				76	290	-.0	
10	ANA	EP	19 13 53.9				98	290	.1	
10	PAT	IP	19 13 57.9				126	295	-.2	
.....										
10	23 17	46.33	51.55 N 178.78 E	DEPTH = 13.4 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
10	AND	IP D	20 17 50.1				12	81	.0	
10	ANA	EP	20 17 50.1				12	318	-.0	
10	ASB	EP	20 17 53.5	1.0	.1	1.72	38	122	.0	
		ES	20 17 58.7						-.0	
10	ASD	EP	20 17 54.1	1.7	.1	1.98	43	113	-.0	
.....										
11	AMA	IPGD	02 35 6.6							WHITE OUT
		ES	02 35 10.6							
11	ASD	IPG	02 35 15.3	15.4	.1	3.23				
		ES	02 35 25.8							
11	ASB	IPG	02 35 16.2	18.5	.1	3.33				
		ES	02 35 27.4							
11	SSI	IP C	02 35 17.0	37.2	.1	3.65				POOR TAMP
		ES	02 35 28.6							
11	ASC	IPG	02 35 17.5							
11	AND	IP	02 35 19.3							
11	ANA	IP	02 35 22.3							
11	AMA	EP	02 35 26.1	8.2	.1					
.....										
11	2 58	55.50	51.43 N 178.78 E	DEPTH = 44.5 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
11	AND	IPG	02 59 3.1				19	39	-.1	
11	ACF	EPG	02 59 3.3				19	54	.2	
11	ACB	IPG	02 59 3.4				22	80	.0	
11	ANA	IPG	02 59 3.5				23	340	.1	
11	ACA	IPG	02 59 3.6				25	76	.1	
11	ACD	IPG	02 59 3.6				25	90	.0	
11	ACE	EPG	02 59 3.7				28	96	-.1	
11	ASC	EPG	02 59 3.9				27	82	.2	
11	ASB	EPG	02 59 4.3				34	103	.0	
		IS	02 59 10.2						-.5	
11	ASD	EPG	02 59 4.9	3.1	.1	2.34	40	96	.0	
11	RAT	EPG	02 59 6.0	2.4	.1	2.29	52	323	-.2	
11	SSI	EPG	02 59 9.2	2.8	.1	2.46	76	47	.0	

SEP 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
	ES		02 59 19.1						-0.0	
11	4 47 12.17		52.31 N 179.39 E				DEPTH = 176.0 KM			FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
11	AND	EP	04 47 38.0				88	200	-0.1	
11	ANA	IP	04 47 38.3				90	214	-0.0	
11	ASC	IP	04 47 38.8				95	189	-0.2	
11	ASD	IP	04 47 38.9	4.3	.1	2.98	102	182	-0.1	
11	ASB	IP	04 47 39.2	3.4	.1	2.88	106	185	-0.0	
	ES		04 47 59.0						-0.0	
11	5 25 44.00		50.19 N 178.72 W				DEPTH = 33.0 KM			TELESEISMIC SOLUTION
			DELAROF ISLANDS, ALEUTIAN ISLANDS							
11	AMA	IP C	05 26 3.4	73.4	.2	3.73	126	348	-1.2	POOR TAMP
	ES		05 26 17.6						-2.0	
11	ASD	IP	05 26 12.0	6.4	.1	3.13	191	315	-0.7	
11	ASB	EP	05 26 12.5	4.5	.1	2.98	194	313	-0.5	
	ES		05 26 32.6						-1.5	
11	ASC	EP	05 26 14.0				206	314	-0.4	
11	AND	IP	05 26 16.2				224	314	-0.5	
	ES		05 26 39.0						-1.6	
11	SSI	IP	05 26 16.8	27.5	.1		224	329	-0.1	
11	ADK	EP	05 26 18.0				237	36	-0.3	
	ES		05 26 41.5						-1.8	
11	ANA	EP	05 26 18.9				244	312	-0.2	
11	RAT	EP	05 26 23.0	6.3	.1		274	312	-0.2	POOR TAMP
11	RAT	EP	05 33 12.0	23.7	.3					QS
	E(S)		05 33 43.6							
11	ANA	EP	05 33 16.0							
11	AND	EP	05 33 17.7							
11	ASB	EP	05 33 22.3	4.3	.2					QP
11	7 51 34.59		51.46 N 179.84 E				DEPTH = 65.9 KM			FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
11	ASD	IPGC	07 51 45.5	41.7	.1	3.56	36	258	-0.1	
11	ASB	IPGC	07 51 46.1	69.6	.1	3.80	43	255	-0.0	
	ES		07 51 54.4						-0.1	
11	ACE	IPG	07 51 46.4				47	262	-0.0	
11	ASC	IPG	07 51 46.5				47	271	-0.1	
11	ACD	IPG	07 51 46.7				49	266	-0.1	
11	ACA	IPG	07 51 46.8				50	273	-0.1	
11	SSI	IPG	07 51 46.8	22.2	.1	3.33	51	340	-0.0	
	ES		07 51 55.6						-0.1	
11	ACB	IPG	07 51 46.9				52	271	-0.0	
11	ACC	EPG	07 51 47.1				56	273	-0.1	
11	ACF	IPG	07 51 47.5				59	277	-0.0	POSS. XTALK
11	AND	IPG	07 51 47.6				63	281	-0.2	
11	AMA	IPG	07 51 48.9	27.7	.1	3.50	75	104	-0.2	
	ES		07 52 0.0						-0.3	
11	ANA	IPG	07 51 50.2				84	283	-0.2	
11	RAT	IP	07 51 53.1	20.4	.1	3.47	111	290	-0.0	
	ES		07 52 6.8						-0.2	

SEP 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
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11	7 54	3.99	51.65 N 179.71 E	DEPTH = 157.6 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
11	ASD	EP	07 54 25.5	2.2	.1	2.60	39	222	-.1	
11	ASC	EP	07 54 25.8				43	241	.0	
11	ASB	EP	07 54 25.9	2.4	.1	2.63	46	225	.1	
		ES	07 54 41.8						.0	
11	AMA	E(P)	07 54 28.2	3.6	.2	2.55	91	116	.0	QP

11	8 22	56.67	51.34 N 179.63 W	DEPTH = 50.0 KM			FIXED DEPTH SOLUTION			
DELAROF ISLANDS, ALEUTIAN ISLANDS										
11	ASD	EPG	08 23 9.9	1.5	.1	2.19	72	275	-.0	
11	ASB	IPG	08 23 10.7	1.6	.1	2.23	78	272	.0	
		IS	08 23 20.9						.0	
11	ASC	EPG	08 23 11.5				85	280	.0	QP

11	12 13	12.19	51.75 N 179.59 W	DEPTH = 78.5 KM			FREE DEPTH SOLUTION			
DELAROF ISLANDS, ALEUTIAN ISLANDS										
11	SSI	IP	12 13 26.2	3.2	.1	2.56	59	286	.1	
11	AMA	E(P)	12 13 26.3	4.7	.2	2.43	61	147	-.1	
11	ASD	EP	12 13 28.3	2.0	.1	2.41	84	242	-.1	
		ES	12 13 40.1						-.2	
11	ASB	EP	12 13 29.4	1.5	.1	2.31	91	242	.2	
		ES	12 13 41.7						.1	
11	ASC	EP	12 13 29.7				92	250	.5	QP
11	AND	EP	12 13 30.1				103	259	-.3	
11	ANA	EP	12 13 32.3				121	264	-.1	

11	ASB	EP	15 07 12.9	2.0	.1	2.52				
		ES	15 07 29.5							
11	ASD	EP	15 07 13.6	4.6	.1	2.91				
		ES	15 07 31.0							
11	ASC	EP	15 07 14.0							
11	AND	EP	15 07 14.5							
11	ANA	EP	15 07 15.0							
11	SSI	IP	15 07 22.1	8.0	.1					

11	18 22	38.30	51.56 N 178.75 E	DEPTH = 16.3 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
11	ANA	IPGC	18 22 41.6				10	319	.0	
		ES	18 22 44.0						.0	
11	AND	IPGD	18 22 41.9				14	89	-.1	
11	ACF	EPG	18 22 42.5				17	103	.1	
11	ACE	EPG	18 22 43.6				34	121	-1.2	
11	ACA	EPG	18 22 43.8				27	109	.1	
11	ACB	EPG	18 22 43.8				26	115	.2	
11	ASC	IPG	18 22 44.4				31	111	.2	
11	ASB	IPG	18 22 45.9	1.8	.1	1.99	41	123	.1	
		IS	18 22 51.3						.1	
11	ASD	IPG	18 22 46.6	1.4	.1	1.91	45	115	.2	
		ES	18 22 52.4						.1	
11	SSI	EPG	18 22 50.1	.8	.1	1.82	68	57	.2	
		IS	18 22 58.0						-.3	

11	AOK	EP	18 44 12.2							
		ES	18 44 21.2							

SEP 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
12	0 34	55.05	51.46 N 178.80 E	DEPTH = 41.1 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
12	AND	IPGD	00 35 2.3				16	41	.2	
12	ACC	EPG	00 35 2.4				17	79	.2	
12	ACF	EPG	00 35 2.4				15	59	.3	
12	ACB	IPGC	00 35 2.5				20	88	.1	
12	ANA	IPGD	00 35 2.7				21	333	.2	
12	ACA	IPGC	00 35 2.7				22	83	.2	
12	ACD	IPGD	00 35 2.7				23	97	.1	
12	ACE	IPGD	00 35 2.7				26	103	-.2	
12	ASC	EPG	00 35 3.0				25	88	.2	
12	ASB	IPGC	00 35 3.2	42.0	.1	3.43	33	109	-.2	
		ES	00 35 9.2						-.4	
12	ASD	IPG	00 35 3.8	53.9	.1	3.56	38	101	-.2	TAMP APPROX.
		ES	00 35 10.0						-.5	
12	RAT	IPGD	00 35 5.1	144.0	.1	4.05	50	319	-.3	
		ES	00 35 12.5						-.5	
12	SSI	IPGD	00 35 8.3				73	48	-.0	WHITE OUT
.....										
12	RAT	EP	01 42 18.5	47.9	.2	3.69				
		ES	01 42 39.2							
12	ANA	EPN	01 42 21.4							
		IP	01 42 22.2							
12	AND	EP	01 42 23.8							
12	SSI	EP	01 42 29.3	8.9	.2					
.....										
12	1 44	4.16	51.43 N 178.85 E	DEPTH = 42.0 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
12	AND	IPG	01 44 11.3				16	26	-.1	
12	ACF	EPG	01 44 11.4				14	43	.1	
12	ACA	EPG	01 44 11.6				19	74	.0	
12	ACE	EPG	01 44 11.7				23	99	-.1	QP
12	ASC	EPG	01 44 11.9				22	81	.2	
12	ANA	EPG	01 44 11.9				25	329	-.1	
12	ASB	EPG	01 44 12.3	1.0	.1	1.79	29	106	.0	
		ES	01 44 18.0						-.2	
12	ASD	E(P)	01 44 12.9	1.1	.1	1.86	34	97	.1	QP
		ES	01 44 19.0						-.1	
12	SSI	EPG	01 44 17.2	3.0	.1	2.46	72	45	-.1	
		IS	01 44 27.0						.1	
.....										
12	5 6	16.33	50.34 N 175.72 E	DEPTH = 25.0 KM			FIXED DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
12	RAT	EP	05 06 50.9				245	47	-1.4	
		E(S)	05 07 18.3						-.2	
12	ANA	EP	05 06 54.3				251	54	1.2	
12	ASB	E(P)	05 06 55.1				273	64	-.6	
		I(S)	05 07 24.6						.1	
12	ASD	EP	05 06 56.0	1.1	.1		280	64	-.6	
12	SSI	EP	05 07 4.1	6.6	.1		321	56	2.4	POOR TAMP
		I(S)	05 07 38.3						3.5	
.....										
12	ASD	EP	06 14 48.5	2.7	.1	2.53				
12	ASB	EP	06 14 49.3	3.7	.1	2.69				
		ES	06 15 2.2							

SEP 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
12	8	6	54.10	26.76 S	177.11 W	DEPTH = 101.0 KM	MB = 5.8	TELESEISMIC SOLUTION		
SOUTH OF FIJI ISLANDS										
12	ASD	EP	08 18 40.6	18.9	.4		8659	358		QP. TELE
12	ASB	EP	08 18 40.9	17.9	.4		8656	358		QP.
12	AND	EP	08 18 41.7				8680	357		QP.
12	ADK	EP	08 18 43.8				8707	0		
.....										
12	15	27	15.04	51.22 N	178.85 E	DEPTH = 40.8 KM	FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
12	ASB	EPG	15 27 23.4	1.3	.1	1.91	32	59	.1	
		ES	15 27 29.1						-.3	
12	ACB	EPG	15 27 23.5				32	31	.1	
12	ASC	EPG	15 27 23.7				35	38	.0	
12	ASD	EPG	15 27 23.9	1.5	.1	2.02	39	60	-.2	
12	ACA	EPG	15 27 23.9				35	32	.3	
12	AND	EPG	15 27 24.1				39	10	-.0	
12	ANA	EPG	15 27 25.2				48	344	.1	
12	RAT	EPG	15 27 28.3	1.9	.1	2.27	74	331	-.2	
12	SSI	EPG	15 27 30.6	2.4	.1	2.44	91	34	-.0	
		ES	15 27 42.0						.0	
.....										
12	ASD	EP	16 00 45.8	1.5	.1					POSS. LOCAL
12	ASC	EP	16 00 45.9							
12	ASB	EP	16 00 46.1	2.1	.1					NOS VISIBLE
.....										
12	16	41	53.20	26.58 S	177.73 W	DEPTH = 130.0 KM	MB = 4.8	TELESEISMIC SOLUTION		
SOUTH OF FIJI ISLANDS										
12	AMA	EP	16 53 32.4	19.2	.4		8621	359		PERIOD ESTIMATED
12	ASB	EP	16 53 32.6	10.7	.4		8633	358		
		E	16 53 38.5							
12	ASD	EP	16 53 32.9	12.5	.4		8636	358		
		E	16 53 38.7							
12	ASC	EP	16 53 33.5				8645	358		
		E	16 53 39.2							
12	AND	EP	16 53 33.8				8657	358		
12	ANA	EP	16 53 34.5				8665	358		
12	SSI	EP	16 53 35.3	11.1	.4		8691	358		
12	ADK	EP	16 53 35.6				8687	1		
		E	16 53 41.8							
.....										
12	17	15	33.71	51.09 N	179.25 W	DEPTH = 150.9 KM	FREE DEPTH SOLUTION			
DELAROF ISLANDS, ALEUTIAN ISLANDS										
12	ASD	EP	17 15 58.1	1.8	.1	2.56	104	289	-.0	
12	ASB	EP	17 15 58.5	4.1	.2	2.62	109	287	-.0	VQS
		E(S)	17 16 16.6						-.0	
12	ASC	EP	17 15 59.2				118	291	-.0	VQP
.....										
12	18	53	45.34	50.17 N	179.46 E	DEPTH = 26.7 KM	FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
12	ASB	IP	18 54 7.1	14.4	.1	3.34	133	354	.2	
		IS	18 54 22.4						-.2	
12	ASD	IP	18 54 7.3	11.2	.1	3.24	136	357	.0	
12	ASC	IP	18 54 8.6				145	352	-.1	
12	AND	IP	18 54 10.1				159	347	-.4	
12	AMA	E(P)	18 54 10.4				160	39	-.3	

SEP 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
. 12	ANA	EP	18 54 12.0				171	341	-.1	
. 12	SSI	IP	18 54 15.5	2.1	.1	2.64	192	3	.9	
.....										
. 12	18 56 7.60	51.58 N 178.80 E DEPTH = 20.7 KM						FREE DEPTH SOLUTION		
	RAT ISLANDS, ALEUTIAN ISLANDS									
. 12	AND	IPGD	18 56 11.3				10	98	-.2	
		IS	18 56 14.4						.0	
. 12	ANA	IPGC	18 56 11.6				11	300	.0	
. 12	ACF	EPG	18 56 11.9				14	113	.1	
. 12	ACC	EPG	18 56 12.4				19	122	.0	
. 12	ACA	EPG	18 56 13.0				24	116	.0	
. 12	ACB	EPG	18 56 13.0				24	122	.1	
. 12	ASC	EPG	18 56 13.7				28	117	.3	
. 12	ASB	EPG	18 56 14.8	1.0	.1	1.73	39	128	-.2	
		ES	18 56 20.1						-.2	
. 12	ASD	EPG	18 56 15.5	2.1	.1	2.08	43	119	.0	
. 12	SSI	EP	18 56 18.6	.8	.1	1.81	65	57	-.1	QP
		IS	18 56 26.9						.1	
.....										
12	ASB	EPG	19 01 8.0	4.2	.1	2.34				
		IS	19 01 12.6							
12	ASD	EPG	19 01 8.3	1.0	.1	1.73				V.SM.LOCAL
.....										
. 12	20 12 32.22	51.18 N 178.85 E DEPTH = 24.6 KM						FREE DEPTH SOLUTION		
	RAT ISLANDS, ALEUTIAN ISLANDS									
. 12	ACE	EPG	20 12 39.1				34	42	-.0	
. 12	ASB	IP	20 12 39.2	4.2	.1	2.34	35	53	-.0	
		ES	20 12 44.3						-.0	
. 12	ACD	EPG	20 12 39.3				35	35	.1	
. 12	ACB	EPG	20 12 39.6				36	28	.2	
. 12	ACC	EPG	20 12 39.7				37	21	.2	
. 12	ASC	IP	20 12 39.9				39	35	.1	
. 12	ASD	IP	20 12 40.0	2.1	.1	2.09	42	55	-.2	
		ES	20 12 45.7						-.3	
. 12	ACA	EPG	20 12 40.0				39	29	.2	
. 12	ACF	EPG	20 12 40.2				40	15	.2	
. 12	AND	IP	20 12 40.4				44	10	-.1	
. 12	ANA	E(P)	20 12 41.2				52	346	-.4	VQP
. 12	SSI	IP	20 12 48.0	3.7	.1	2.62	95	32	.0	
.....										
. 12	20 13 57.50	17.51 S 168.66 E DEPTH = 229.0 KM MB = 5.0						TELESEISMIC SOLUTION		
	NEW HEBRIDES ISLANDS									
. 12	ADK	EP	20 24 46.4				7814	10		
.....										
12	ADK	IP	22 49 13.8							
		ES	22 49 34.3							
12	AMA	EP	22 49 24.6	16.5	.2					
12	ASD	IP	22 49 37.7	16.2	.2					
12	ASB	EP	22 49 38.7	11.0	.2					
12	SSI	EP	22 49 39.1	11.8	.2					
		E(S)	22 50 20.6							
12	ASC	EP	22 49 39.9							
12	AND	EP	22 49 42.1							
12	RAT	EP	22 49 48.3	21.7	.3					
.....										
13	AMA	IP	01 22 8.2							
13	ASD	IP	01 22 21.3	78.7	.1	4.02				
13	ASB	IP	01 22 22.4	211.8	.1	4.48				
		IS	01 22 36.2							

SEP 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
13	SSI	IP C	01 22 22.9							
13	ASC	IP	01 22 23.4							
13	AND	IP	01 22 25.8							
13	ANA	EP	01 22 29.2							
13	RAT	IP	01 22 32.3							
13	ADK	EP	02 35 8.9							
		ES	02 35 21.4							

.....
 . 13 4 14 24.83 51.40 N 179.19 E DEPTH = 21.4 KM FREE DEPTH SOLUTION
 . RAT ISLANDS, ALEUTIAN ISLANDS
 .

. 13	ACE	IP	04 14 28.4				2	281	-.1	
. 13	ASB	IP D	04 14 28.6	28.0	.1	2.90	6	138	.0	
. 13	ACD	IP	04 14 28.6				5	310	.1	
. 13	ASD	IP D	04 14 28.8	8.1	.1	2.40	10	94	-.0	
		IS	04 14 31.4						-.4	
. 13	ACA	IP	04 14 28.8				11	331	-.1	
. 13	ACB	IP	04 14 28.8				10	315	-.0	
. 13	ACC	IP	04 14 29.0				14	313	-.2	
. 13	ASC	EP	04 14 29.3				7	344	.6	
. 13	AND	IP	04 14 30.1				25	318	-.2	
. 13	SSI	EP	04 14 35.5				61	26	.0	

.....
 . 13 9 5 8.84 52.03 N 178.70 W DEPTH = 75.0 KM FIXED DEPTH SOLUTION
 . DELAROF ISLANDS, ALEUTIAN ISLANDS
 .

. 13	ASD	EP	09 05 32.4	1.5	.1	2.46	152	243	-.1	
. 13	ASC	EP	09 05 33.4				160	248	-.0	
. 13	ASB	IP	09 05 33.5	1.5	.1	2.46	160	243	.1	
		ES	09 05 51.3						-.0	

.....
 . 13 11 15 5.43 50.96 N 178.26 E DEPTH = 25.0 KM FIXED DEPTH SOLUTION
 . RAT ISLANDS, ALEUTIAN ISLANDS
 .

. 13	ANA	EP	11 15 19.2				79	21	.4	
. 13	AND	EP	11 15 19.3				83	36	-.1	
. 13	ASP	EP	11 15 19.4	2.0	.1	2.30	82	57	.1	
. 13	ASC	EP	11 15 19.6				84	48	-.0	
. 13	ASD	EP	11 15 20.0	1.3	.1	2.13	90	57	-.4	
		ES	11 15 31.3						.0	
. 13	RAT	IP	11 15 20.8	1.9	.1	2.33	93	3	-.2	
		IS	11 15 32.1						-.2	
. 13	SSI	EP	11 15 28.0				139	41	.2	

. 13	ASD	EP	12 38 3.1	1.8	.1					
. 13	ASB	EP	12 38 3.8	2.8	.1					
. 13	ASC	EP	12 38 4.4							
. 13	ASB	EP	12 39 29.3	3.3	.1	2.75				
. 13	ASD	EP	12 39 29.9							
		ES	12 39 47.2							
. 13	ASC	EP	12 39 30.4							
. 13	AND	EP	12 39 31.2							
. 13	SSI	EP	12 39 38.4							

.....
 . 13 14 31 51.11 51.18 N 179.52 E DEPTH = 35.9 KM FREE DEPTH SOLUTION
 . RAT ISLANDS, ALEUTIAN ISLANDS
 .

. 13	ASD	IP D	14 31 58.3	9.0	.1	2.69	27	332	-.1	
. 13	ASB	IP C	14 31 58.4	3.3	.1	2.26	28	317	-.1	
		ES	14 32 3.8						-.0	

SEP 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
. 13	ACE	EP	14 31 59.2				35	316	.0	
. 13	AGD	IP	14 31 59.7				39	316	.1	
. 13	ASC	IP C	14 31 59.9				40	322	.1	
. 13	ACA	EP	14 32 .3				44	320	.1	
. 13	ACB	EP	14 32 .3				44	317	.1	
. 13	ACC	IP	14 32 .6				48	316	-.1	
. 13	AND	IP C	14 32 2.0				58	317	-.1	
.....										
13	ADK	EP	15 45 54.0							
13	ASD	EP	15 46 59.0	2.2	.1	2.62				
13	ASC	EP	15 46 59.0							
13	ASB	EP	15 46 59.3	2.0	.1	2.57				
		ES	15 47 18.0							
13	RAT	IP	15 46 59.4	2.5	.1					
.....										
. 13	17 14 27.54	50.93 N 178.23 E	DEPTH = 12.4 KM	FREE DEPTH SOLUTION						
		RAT ISLANDS, ALEUTIAN ISLANDS								
. 13	ANA	EP	17 14 41.5				83	21	.2	
. 13	AND	EP	17 14 41.7				86	35	-.1	
. 13	ASB	EP	17 14 41.9	1.0	.1	2.00	85	56	.2	
. 13	ASC	EP	17 14 42.0				88	48	-.0	
. 13	ASD	EP	17 14 42.5				93	56	-.3	
		ES	17 14 53.8						-.1	
. 13	RAT	EP	17 14 43.2				97	4	-.2	
. 13	SSI	EP	17 14 50.4				142	41	.1	
.....										
13	AMA	IP C	17 22 6.1	26.2	.1					
13	ASD	EP	17 22 20.3							
		ES	17 22 27.6							
13	SSI	EP	17 22 20.5							
13	ASB	EP	17 22 21.7	1.5	.1	2.13				
13	ASC	EP	17 22 22.7							
13	AMA	IP	19 10 58.6	5.9	.2					
13	SSI	EP	19 11 .2							
13	ASD	EP	19 11 3.3	3.4	.1					SMALL
13	ASB	EP	19 11 4.1	3.0	.1					
13	ASC	EP	19 11 4.3							
13	AND	EP	19 11 4.8							
13	ADK	EP	22 21 18.4							
		ES	22 21 25.5							
13	AMA	EP	22 21 39.0	9.5	.1					
13	SSI	EP	22 21 50.3							
13	ASD	EP	22 21 52.1	1.1	.1					
13	ASB	EP	22 21 53.3	3.3	.1					
		ES	22 22 33.1							
13	ASC	EP	22 21 53.9							
13	RAT	EP	22 22 .4							
.....										
. 14	1 52 34.00	50.57 N 173.98 E	DEPTH = 75.0 KM	FIXED DEPTH SOLUTION						
		RAT ISLANDS, ALEUTIAN ISLANDS								
. 14	RAT	IP	01 53 19.1	16.4	.1		333	64	-.5	
. 14	ANA	EP	01 53 21.6				347	68	.2	
. 14	AND	EP	01 53 23.2				365	70	-.3	
. 14	ASB	EP	01 53 25.0	3.8	.1		379	75	-.3	
		ES	01 54 2.7						-.0	
. 14	ASD	EP	01 53 26.3	1.8	.1		386	74	.2	
. 14	SSI	IP D	01 53 30.6	28.8	.1		417	67	.6	
.....										
14	ADK	IP	02 51 46.4							
		ES	02 51 55.4							

SEP 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
14	ASD	EP	02 52 23.4							
14	ASB	EP	02 52 23.5							
		ES	02 53 10.6							
14	ASC	EP	02 52 24.6							
14	AND	EP	02 52 26.8							
14	ANA	EP	02 52 28.8							
.....										
14	3 3	39.20	7.37 S 155.98 E	DEPTH = 46.0 KM	MB = 5.7	MS = 5.9	TELESEISMIC SOLUTION			
SOLOMON ISLANDS										
14	ADK	EP	03 14 5.6	118.4	.8		7061	19		
.....										
14	3 47	25.70	51.86 N 179.55 W	DEPTH = 111.3 KM	FREE DEPTH SOLUTION					
DELAROF ISLANDS, ALEUTIAN ISLANDS										
14	ASD	EP	03 47 45.4	1.8	.1	2.47	93	236	-.1	
		ES	03 47 59.9						-.0	
14	ASB	EP	03 47 46.1	3.0	.1	2.70	100	237	-.0	
14	ASC	EP	03 47 46.2				99	244	.2	
14	AND	EP	03 47 46.8				108	253	-.1	
.....										
14	5 20	29.30	6.47 S 151.54 E	DEPTH = 33.0 KM	MB = 6.1	MS = 6.3	TELESEISMIC SOLUTION			
NEW BRITAIN REGION										
14	ADK	EP	05 31 1.5				7135	21		
.....										
14	6 36	40.99	51.56 N 178.79 E	DEPTH = 20.7 KM	FREE DEPTH SOLUTION					
RAT ISLANDS, ALEUTIAN ISLANDS										
14	AND	IP D	06 36 44.9				12	88	-.1	
		IS	06 36 47.9						-.0	
14	ANA	IP C	06 36 45.0				11	311	.0	
14	ACC	EP	06 36 45.9				20	115	.1	
14	ACB	IP	06 36 46.3				24	117	.0	
14	ACA	IP	06 36 46.4				25	111	.0	
14	ASC	EP	06 36 47.0				28	112	.1	
14	ASB	IP	06 36 48.2	2.5	.1	2.13	39	124	-.1	
14	ASD	IP	06 36 48.9	5.2	.1	2.48	43	116	.0	
.....										
14	7 53	32.35	52.44 N 179.77 E	DEPTH = 148.0 KM	FREE DEPTH SOLUTION					
RAT ISLANDS, ALEUTIAN ISLANDS										
14	AND	EP	07 53 57.1				112	210	-.0	
14	ASC	EP	07 53 57.6				116	201	.2	
14	ANA	IP	07 53 57.6				118	221	.0	
14	ASD	EP	07 53 57.7	7.7	.1	3.20	120	194	-.1	
14	RAT	IP C	07 53 57.8	49.7	.1	4.01	121	235	-.1	
14	ASB	EP	07 53 58.1	6.5	.1	3.13	125	197	-.1	
		ES	07 54 17.0						-.0	
14	AMA	IP D	07 54 .3				149	148	-.0	
.....										
14	ASD	EP	11 07 10.3	6.7	.1		NO S.			
14	ASB	EP	11 07 11.2	5.3	.1					
14	ASC	EP	11 07 11.9							
14	AND	EP	11 07 13.3							
14	ANA	EP	11 07 15.9							

SEP 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
14	11 29	53.46	51.07 N 179.36 E	DEPTH = 28.9 KM						FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
14	ASB	IP	11 30 .6	2.5	.1	2.13	33	346	.0	
		FS	11 30 5.8						.0	
14	ASD	IP	11 30 .9	4.5	.1	2.40	35	358	.0	
14	ASC	EP	11 30 2.2				45	343	.0	
14	11 31	35.96	51.11 N 179.39 E	DEPTH = 32.3 KM						FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
14	ASB	IP D	11 31 43.1	2.5	.1	2.13	30	340	.0	
		ES	11 31 48.3						.0	
14	ASD	IP C	11 31 43.3	3.8	.1	2.32	32	354	.0	
14	ASC	EP	11 31 44.6				43	338	.0	
14	14 7	55.10	20.53 S 174.30 W	DEPTH = 33.0 KM	MB = 5.2					TELESEISMIC SOLUTION
			TONGA ISLANDS							
14	ADK	EP	14 19 17.3				8020	358		
14	16 25	15.30	51.09 N 178.19 W	DEPTH = 36.0 KM						TELESEISMIC SOLUTION
			ANDREANOF ISLANDS, ALEUTIANS ISLANDS							
14	AMA	EP	16 26 26.9				67	289	-.6	
14	ADK	EP	16 26 36.8				137	49	-.1	
		ES	16 26 52.3						-.4	
14	ASD	EP	16 26 40.8	5.6	.1	3.04	175	282	-.9	
		ES	16 27 1.6						.7	
14	SSI	EP	16 26 41.9				178	301	-.1	
14	ASB	EP	16 26 42.6	5.5	.1	3.04	181	280	.2	
14	ASC	EP	16 26 43.0				188	284	-.3	
14	AND	EP	16 26 46.1				205	286	.7	
14	17 20	17.79	52.07 N 179.97 W	DEPTH = 161.4 KM						FREE DEPTH SOLUTION
			DELAROF ISLANDS, ALEUTIAN ISLANDS							
14	SSI	EP	17 20 39.8	2.9	.1	2.72	36	237	.0	
14	ASD	IP	17 20 42.4	5.6	.1	3.05	89	212	.1	
14	AND	EP	17 20 42.4				93	233	-.1	
14	ASC	EP	17 20 42.5				90	222	.2	
14	ASB	EP	17 20 42.6	15.3	.1	3.49	96	215	-.1	
		ES	17 21 .8						-.0	
14	ANA	EP	17 20 43.3				106	243	-.1	
14	AMA	EP	17 20 43.3	2.9	.1	2.78	106	145	-.1	
14	20 19	8.41	51.71 N 178.87 E	DEPTH = 22.0 KM						FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
14	AND	IP D	20 19 13.3				18	161	.1	
		IS	20 19 16.2						-.4	
14	ANA	IP C	20 19 13.4				17	236	.3	
14	ASC	IP	20 19 15.5				35	144	.3	
14	RAT	IP	20 19 15.5	36.1	.1	3.29	38	285	-.2	
14	ASB	IP	20 19 16.7	2.5	.1	2.20	47	146	-.3	
14	ASD	IP	20 19 17.3	6.6	.1	2.63	49	137	.1	

SEP 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
14	23 56	8.18	51.39 N 178.78 E	DEPTH = 39.3 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
14	AND	IP C	23 56 15.4				22	33	-.1	
14	ACB	IP	23 56 15.5				23	70	-.0	
14	ANA	IP	23 56 15.8				27	343	-.0	
14	ACA	IP	23 56 15.8				26	68	.1	
14	ACD	IP	23 56 15.9				25	81	.2	
14	ACE	IP	23 56 15.9				28	88	.0	
14	ASB	EP	23 56 16.3	1.7	.1	2.02	33	96	-.1	
		ES	23 56 22.3						-.1	
14	ASD	IP	23 56 17.0	2.2	.1	2.18	39	90	-.1	
.....										
15	4 45	27.65	51.62 N 178.90 E	DEPTH = 26.6 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
15	ASC	EP	04 45 33.7				25	134	.0	
15	ASB	EP	04 45 35.2	3.7	.1	2.32	38	140	.0	
		ES	04 45 40.7						.0	
15	ASD	IP	04 45 35.5	2.8	.1	2.21	40	130	.0	
.....										
15	ADK	IP	08 45 35.2							
		ES	08 45 45.7							
15	ADK	EP	09 08 10.4							
		E	09 08 17.5							
15	AMA	IP	09 38 8.3							
15	ASD	IP	09 38 18.8	20.9	.1	3.41				
15	ASB	IP	09 38 19.9							
		ES	09 38 32.7							
15	SSI	IP	09 38 20.8							
15	ASC	IP	09 38 21.0							
15	AND	EP	09 38 23.0							
15	ANA	EP	09 38 26.2							
15	ADK	EP	11 37 37.0							
.....										
15	11 47	21.04	51.54 N 179.51 W	DEPTH = 70.1 KM			FREE DEPTH SOLUTION			
DELAROF ISLANDS, ALEUTIAN ISLANDS										
15	AMA	EP	11 47 32.7				39	135	.0	
15	SSI	IP	11 47 35.7				74	303	-.0	
15	ASD	EP	11 47 36.3	8.1	.1	3.00	81	259	-.2	
15	ASB	IP D	11 47 37.2				89	258	-.0	
		ES	11 47 49.1						.1	
15	ASC	IP	11 47 37.8				92	266	.2	
15	AND	EP	11 47 39.1				107	272	-.1	
15	ANA	IP	11 47 41.7				127	275	.1	
.....										
15	AND	EP	14 12 47.4							COMPLEX.
15	ASD	EP	14 12 47.5							VERY EMERGENT.
		ES	14 13 10.9							
.....										
15	14 55	5.30	39.11 N 143.45 E	DEPTH = 17.0 KM			MB = 5.8 MS = 6.0 TELESEISMIC SOLUTION			
OFF EAST COAST OF HONSHU, JAPAN										
15	ADK	EP	15 01 16.3				3373	52		
.....										
15	ADK	EP	15 39 52.1							

SEP 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
15	15 55	12.57	52.09 N 179.12 E	DEPTH = 133.3 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
15	AND	IP	15 55 32.2				59	191	-.0	
15	RAT	IP	15 55 32.3				63	240	-.1	
15	ANA	IP	15 55 32.4				60	212	.1	
15	ASC	EP	15 55 32.8				69	177	-.0	
15	ACA	IP	15 55 32.9				67	180	.2	
15	ACB	IP	15 55 32.9				69	181	.1	
15	ASD	IP	15 55 33.3	32.9	.1	3.75	79	169	-.1	
15	ASB	IP	15 55 33.5	1.7	.1	2.47	81	174	-.1	
		ES	15 55 48.9						-.0	
.....										
15	RAT	IP D	23 42 36.1	13.7	.1					
15	ANA	EP	23 42 36.3							
15	AND	EP	23 42 36.8							
15	AMA	IP D	23 42 36.8	11.4	.1					
15	ASB	EP	23 42 37.2							POOR P
		IS	23 42 59.5							
15	ASC	EP	23 42 37.7							
15	ASD	EP D	23 42 38.2	2.9	.1					
16	AMA	IP D	02 58 6.3	41.1	.1					
16	ASD	EP	02 58 19.7	2.1	.1	2.52				
16	ASB	EP	02 58 20.8	2.7	.1	2.64				
		ES	02 58 37.0							
16	ASC	EP	02 58 21.7							
16	AND	EP	02 58 25.2							
16	AMA	IP D	04 31 26.9							
16	ASD	EP	04 31 40.1	3.5	.1	2.67				
16	ASB	EP	04 31 41.3	6.9	.1	2.99				
		ES	04 31 55.0							
16	SSI	IP	04 31 41.6							
16	ASC	EP	04 31 42.3							
.....										
16	6 22	37.60	5.92 S 130.65 E	DEPTH = 115.0 KM MB = 6.2			TELESEISMIC SOLUTION			
BANDA SEA										
16	ANA	EP	06 33 41.3				7833	29		
16	RAT	EP	06 33 41.3				7827	29		
16	AND	EP	06 33 42.0				7844	30		
16	ASC	EP	06 33 42.4				7849	30		
16	ASD	EP	06 33 42.5	49.7	.4		7854	30		TELESEISMIC
16	ASB	EP	06 33 42.8				7846	30		
16	SSI	EP	06 33 45.7				7901	30		
16	AMA	EP	06 33 47.5				7933	31		
16	ADK	EP	06 33 56.3				8109	31		
.....										
16	6 50	2.13	51.10 N 179.44 W	DEPTH = 33.0 KM			FREE DEPTH SOLUTION			
DELAROF ISLANDS, ALEUTIAN ISLANDS										
16	AMA	IP	06 50 9.5				31	47	-.0	
16	ASD	EP	06 50 17.4	7.6	.1	2.93	91	291	-.2	
16	ASB	EP	06 50 18.5	8.4	.1	2.99	96	288	.2	
16	ASC	EP	06 50 19.7				105	293	.0	
		ES	06 50 32.6						.1	
16	SSI	IP	06 50 20.5	31.0	.1	3.61	111	323	-.0	
16	AND	EP	06 50 22.2				123	295	-.1	
16	RAT	EP	06 50 28.6				173	297	.0	
.....										
16	AMA	IP D	07 20 11.2							
16	ADK	IP	07 20 24.5							

SEP 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
		ES	07 20 40.6							
16	ASD	IP	07 20 25.0	72.1	.1	4.13				
16	SSI	EP	07 20 26.1							
16	ASB	IP C	07 20 26.7	105.8	.1	4.32				
		ES	07 20 46.7							
16	ASC	IP	07 20 27.1							
16	AND	EP	07 20 29.4							
16	ANA	EP	07 20 32.7							
16	RAT	EP	07 20 35.6							

.....
 . 16 12 4 .91 50.42 N 177.64 E DEPTH = 25.0 KM FIXED DEPTH SOLUTION
 . RAT ISLANDS, ALEUTIAN ISLANDS
 .

16	ASB	IP	12 04 25.4	7.1	.1	3.09	154	46	-.1
		ES	12 04 43.3						-.1
16	AND	EP	12 04 25.7				157	35	-.3
16	ASC	IP	12 04 25.9				158	42	-.2
16	ASD	IP	12 04 26.1	10.9	.1	3.29	161	47	-.4
16	RAT	EP	12 04 26.2				161	17	-.3
16	ANA	EP	12 04 26.5				152	28	1.2
16	SSI	EP	12 04 32.7				213	39	-.2
16	AMA	EP	12 04 37.7	5.7	.1		248	66	.5

.....
 . 16 14 14 46.91 51.18 N 179.25 E DEPTH = 31.6 KM FREE DEPTH SOLUTION
 . RAT ISLANDS, ALEUTIAN ISLANDS
 .

16	ASB	IP D	14 14 53.0	15.0	.1	2.84	20	359	.0
		ES	14 14 57.4						-.0
16	ASD	IP D	14 14 53.3	3.8	.1	2.27	24	15	-.1
16	ASC	IP C	14 14 54.4				32	349	.2
16	AND	EP	14 14 56.0				47	334	-.1

.....
 . 16 15 57 21.40 50.54 N 178.01 E DEPTH = 25.0 KM FIXED DEPTH SOLUTION
 . RAT ISLANDS, ALEUTIAN ISLANDS
 .

16	ASB	EP	15 57 42.0				126	43	.1
16	ANA	EP	15 57 42.4				130	21	.1
16	AND	IP C	15 57 42.5				132	30	-.2
16	ASD	EP	15 57 42.7	3.4	.1	2.71	133	44	-.2
16	ASC	EP	15 57 42.8				131	38	.2

16	AMA	IP	17 25 23.2	15.0	.1				
16	SSI	EP	17 25 32.9						
16	ASD	EP	17 25 34.8	6.0	.1				
16	ASB	EP	17 25 35.6	12.8	.2				
16	ASC	EP	17 25 36.1						
16	AND	EP	17 25 38.9						
16	ANA	EP	17 25 41.2						
16	RAT	EP	17 25 45.0	4.9	.1				

NO VISIBLE S.

.....
 . 16 21 17 14.99 51.05 N 179.52 W DEPTH = 25.0 KM FREE DEPTH SOLUTION
 . DELAROF ISLANDS, ALEUTIAN ISLANDS
 .

16	AMA	IP C	21 17 22.8	121.1	.1	3.84	39	46	.2
16	ASD	EP	21 17 29.6	24.2	.1	3.41	88	296	-.2
16	ASB	EP	21 17 30.4				93	293	-.1
		ES	21 17 42.3						.6
16	ASC	IP	21 17 31.8				103	297	-.1
16	SSI	IP D	21 17 33.2	90.9	.1	4.08	113	327	-.2
16	AND	EP	21 17 34.9				121	299	.2
16	ANA	EP	21 17 37.7				142	298	-.2
16	RAT	IP	21 17 42.0				171	300	.1

SEP 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
16	22 32	50.02	51.12 N 179.89 E	DEPTH = 27.4 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
16	ASD	EP	22 32 59.1	2.5	.1	2.23	49	308	-.0	
		IS	22 33 5.8						.0	
16	ASB	EP	22 32 59.7	1.5	.1	2.03	52	301	.1	
16	ASC	EP	22 33 1.2				63	307	-.0	
16	AND	EP	22 33 3.9				82	307	.0	
16	SSI	EP	22 33 4.9	9.8	.1	3.02	88	346	.0	
.....										
16	22 41	51.96	51.25 N 177.47 E	DEPTH = 0.0 KM			FIXED DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
16	RAT	IP	22 42 7.1	49.7	.1	3.69	85	44	-.2	
16	ANA	EP	22 42 8.8				92	63	.4	
16	AND	EP	22 42 10.8				108	71	.0	
16	ASC	EP	22 42 12.4				120	78	-.1	
16	ASB	EP	22 42 12.8	6.9	.1	2.98	124	84	-.4	
		ES	22 42 28.7						.1	
16	ASD	EP	22 42 14.1	5.2	.1	2.88	131	82	-.1	
16	SSI	EP	22 42 19.0	35.5	.1	3.80	163	63	-.0	
16	AMA	E(P)	22 42 30.1				238	88	.3	
.....										
16	23 27	45.40	51.79 N 175.64 W	DEPTH = 63.0 KM MB = 4.6			TELESEISMIC SOLUTION			
ANDPEANOF ISLANDS, ALEUTIANS ISLANDS										
16	ADK	IP D	23 27 59.1				73	279	-.4	
		ES	23 28 9.5						-.2	
16	AMA	EP	23 28 19.5				247	258	-.7	
16	SSI	EP	23 28 31.5				328	274	1.2	
16	ASD	IP C	23 28 33.2	60.5	.2		350	265	.3	
		E	23 29 15.3							
16	ASB	EP	23 28 34.0	18.1	.1		357	264	.2	
16	ASC	IP	23 28 35.1				361	266	.8	
16	AND	EP	23 28 36.8				374	268	.9	
16	ANA	EP	23 28 39.6				394	270	1.3	
16	RAT	EP	23 28 42.3				415	272	1.3	
16	SMY	EP	23 29 19.7				706	283	2.8	
16	GMA	EP	23 31 27.5				1730	23	4.3	
.....										
17	4 41	33.14	50.24 N 177.79 E	DEPTH = 25.0 KM			FIXED DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
17	ASD	EP	04 41 59.1	5.3	.1	3.00	168	40	-.5	
17	ASC	EP	04 41 59.3				167	35	-.2	
17	AND	EP	04 41 59.3				168	29	-.3	
17	ASB	EP	04 41 59.6	7.9	.1	3.15	161	39	.8	
		ES	04 42 17.5						.0	
17	ANA	IP	04 41 59.9				166	21	.5	
17	RAT	IP	04 42 .6	7.7	.1	3.18	178	12	-.2	
.....										
17	ASD	IP	06 20 14.3	4.6	.1	2.72				
		ES	06 20 25.1							
17	ASB	EP	06 20 15.5	3.3	.1	2.60				
17	ASC	EP	06 20 16.6							
17	AND	EP	06 20 20.3							
17	RAT	IP	06 20 27.3	22.4	.1					

SEP 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
17	7 11	52.48	51.59 N 179.31 W	DEPTH = 83.1 KM			FREE DEPTH SOLUTION			
DELAROF ISLANDS, ALEUTIAN ISLANDS										
17	SSI	EP	07 12 9.0				83	294	.0	
17	ASD	IP	07 12 10.2	12.9	.1	3.26	96	257	-.1	
17	ASB	EP	07 12 11.1	9.8	.1	3.16	103	256	.0	
		ES	07 12 24.6						-.0	
17	ASC	IP	07 12 11.5				107	263	.1	
17	AND	EP	07 12 12.8				120	269	-.1	
.....										
17	RAT	EP	07 59 31.3	49.7	.1					
17	ANA	EP	07 59 34.2							
17	AND	EP	07 59 36.8							
17	ASC	EP	07 59 39.6							
17	ASB	EP	07 59 41.1	8.6	.1					
		ES	08 00 3.8							
17	ASD	EP	07 59 41.7	7.3	.1					
17	SSI	EP	07 59 43.8	48.8	.1					
.....										
17	8 1	15.04	51.41 N 178.80 E	DEPTH = 45.2 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
17	AND	EP	08 01 22.7				20	32	-.1	
17	ACF	IP	08 01 22.8				18	47	.1	
17	ACC	IP	08 01 22.9				19	64	.2	
17	ACB	IP	08 01 23.0				21	74	.1	
17	ACA	IP	08 01 23.1				23	71	.1	
17	ACD	IP	08 01 23.1				23	85	.1	
17	ANA	IP C	08 01 23.2				26	338	-.0	
17	ACE	IP	08 01 23.2				26	93	-.0	
17	ASC	EP	08 01 23.4				26	77	.2	
17	ASB	EP	08 01 23.6	2.9	.1	2.29	32	100	-.1	
		ES	08 01 29.5						-.5	
17	ASD	EP	08 01 24.3	5.0	.1	2.55	38	93	.0	
17	RAT	EP	08 01 25.9	5.2	.1	2.64	54	323	-.1	
17	SSI	EP	08 01 28.7	7.8	.1	2.90	76	45	-.0	
.....										
17	12 28	39.24	51.32 N 178.51 E	DEPTH = 29.0 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
17	ANA	IP D	12 28 46.7				36	17	-.0	
17	AND	IP	12 28 47.3				41	49	-.1	
17	ACF	EP	12 28 47.3				41	55	-.1	
17	ACB	EP	12 28 47.8				43	68	.1	
17	ACD	EP	12 28 48.1				45	74	.1	
17	ACA	IP	12 28 48.2				46	67	.1	
17	ACE	EP	12 28 48.2				47	79	.0	
17	ASC	EP	12 28 48.5				48	71	.1	
17	ASB	IP	12 28 48.7	1.9	.1	2.13	51	85	-.1	
		ES	12 28 55.7						-.1	
17	ASD	IP	12 28 49.6	1.5	.1	2.08	58	82	-.2	
.....										
17	ANA	IP C	14 38 1.0							
17	AND	IP	14 38 1.2							
		ES	14 38 3.9							
17	ASC	EP	14 38 3.7							
17	ASB	EP	14 38 5.4	2.4	.1	2.20				
		ES	14 38 11.4							

SEP 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
18	2 12	39.27	51.84 N 178.64 E	DEPTH = 115.9 KM MB = 4.6			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
18	RAT	IP D	02 12 55.2				22	259	-.2	
18	ANA	IP D	02 12 55.5				23	176	.1	
18	AND	IP D	02 12 55.9				37	145	-.0	A
18	ACF	IP	02 12 55.9				42	145	-.2	
18	ASC	IP C	02 12 56.7				55	139	-.1	FELT ON AMCHITK
18	ACA	IP	02 12 56.7				52	140	.1	
18	ACB	IP	02 12 56.8				52	143	.2	
18	ACC	IP	02 12 56.8				48	144	.4	
18	ACD	IP	02 12 57.0				57	143	.1	
18	ACE	IP	02 12 57.1				61	143	-.0	
18	ASB	IP D	02 12 57.5				68	141	-.1	LEVELS OVERLOAD
		IS	02 13 10.8						-.1	
18	SSI	IP D	02 12 57.5				65	84	.1	
18	ASD	IP D	02 12 57.6				69	135	-.1	VERY LARGE. ALL
18	AMA	IP C	02 13 6.6				167	110	-.1	
18	SMY	EP	02 13 24.7				325	290	-.1	
18	NIK	EP	02 14 31.2				858	77	1.4	
18	GMA	EP	02 16 34.0				1903	29	-4.7	
.....										
18	7 37	51.06	51.24 N 179.19 E	DEPTH = 40.6 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
18	ASB	EP	07 37 57.9				14	17	-.1	
18	ASD	IP	07 37 58.0	5.3	.1	2.47	20	32	-.3	
		IS	07 38 3.4						-.2	
18	ASC	EP	07 37 59.7				25	356	1.0	
18	AND	EP	07 37 59.9				40	336	-.2	
18	ANA	EP	07 38 2.0				57	320	-.2	
18	SSI	IP	07 38 5.0	15.6	.1	3.20	78	21	-.0	
.....										
18	7 46	28.49	51.56 N 178.80 E	DEPTH = 21.6 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
18	AND	IP D	07 46 32.4				11	89	-.1	
18	ANA	EP	07 46 32.6				12	307	-.0	
18	ACA	IP	07 46 34.0				24	112	.1	
18	ACB	IP	07 46 34.0				23	118	.2	
18	ASC	EP	07 46 34.5				28	113	.1	
18	ACD	IP	07 46 34.5				28	122	.1	
18	ACE	EP	07 46 34.8				31	124	-.1	
18	ASB	IP	07 46 35.7	7.4	.1	2.60	38	125	-.1	
		ES	07 46 40.9						-.2	
18	ASD	IP	07 46 36.2	11.6	.1	2.83	42	116	-.1	
18	SSI	EP	07 46 39.8				66	56	-.0	POOR P.
.....										
18	RAT	EP	10 28 32.8							
18	ANA	IP D	10 28 33.9							NO S.
18	AND	EP	10 28 34.6							
18	ASC	EP	10 28 36.0							
18	ASB	IP	10 28 36.3							
18	ASD	EP	10 28 36.8							
.....										
18	12 11	8.57	51.81 N 179.40 E	DEPTH = 118.6 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
18	AND	EP	12 11 25.6				41	229	-.1	
18	ASD	IP	12 11 25.9	7.6	.1	3.03	47	185	-.1	
18	ASC	IP	12 11 25.9				42	203	.2	
18	ASB	IP	12 11 26.1	3.6	.1	2.72	51	192	-.1	

SEP 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.		ES	12 11 39.0						-0	
. 18	ANA	EP	12 11 26.5				55	249	.1	
. 18	RAT	IP C	12 11 27.5	5.5	.1	2.93	74	269	-.1	
.....										
. 18	14 26 31.85	51.50 N 178.34 E DEPTH = 51.8 KM						FREE DEPTH SOLUTION		
.		RAT ISLANDS, ALEUTIAN ISLANDS								
. 18	ANA	IP D	14 26 40.9				27	57	.1	
. 18	RAT	IP D	14 26 41.1	7.7	.1	2.75	34	359	-.2	
. 18	AND	EP	14 26 42.1				43	80	-.0	
. 18	ACF	EP	14 26 42.4				46	86	.0	
. 18	ACC	IP	14 26 42.8				49	91	.1	
. 18	ACB	IP	14 26 43.1				52	94	.1	
. 18	ACA	EP	14 26 43.4				54	92	.2	
. 18	ACD	IP	14 26 43.5				56	98	.1	
. 18	ASC	EP	14 26 43.6				58	93	.0	
. 18	ACE	IP	14 26 43.7				59	100	-.0	
. 18	ASB	IP	14 26 44.3	6.2	.1	2.78	65	103	-.1	
.		ES	14 26 53.3						-.3	
. 18	ASD	EP	14 26 45.0	14.7	.1	3.17	71	99	-.1	
. 18	SSI	IP	14 26 48.2	7.8	.1	2.99	97	63	.0	
.....										
. 18	16 10 48.48	51.48 N 178.60 E DEPTH = 59.4 KM						FREE DEPTH SOLUTION		
.		RAT ISLANDS, ALEUTIAN ISLANDS								
. 18	ANA	EP	16 10 57.7				17	14	-.0	
. 18	AND	EP	16 10 58.2				26	69	.0	
.		ES	16 11 5.2						.0	
. 18	ACC	EP	16 10 58.4				30	89	-.0	
. 18	ACR	IP	16 10 58.5				34	93	-.2	
. 18	ACA	IP	16 10 58.8				36	89	-.0	
. 18	ASC	IP D	16 10 59.2				39	92	.1	
. 18	ASB	EP	16 10 59.8	1.0	.1	1.95	47	106	.1	
. 18	ASD	EP	16 11 .1	1.1	.1	2.01	52	100	-.1	
.....										
. 18	18 31 49.25	51.58 N 178.80 E DEPTH = 21.9 KM						FREE DEPTH SOLUTION		
.		RAT ISLANDS, ALEUTIAN ISLANDS								
. 18	AND	IP D	18 31 53.2				11	98	-.1	
. 18	ANA	IP C	18 31 53.4				11	300	.0	
. 18	ACR	IP	18 31 54.7				24	122	.1	
. 18	ACA	IP	18 31 54.8				24	115	.1	
. 18	ASC	IP C	18 31 55.4				28	116	.2	
. 18	ACD	EP	18 31 55.4				28	125	.2	
. 18	ACE	IP	18 31 55.7				32	127	-.0	
. 18	ASB	IP D	18 31 56.6	5.5	.1	2.48	39	127	-.1	
.		IS	18 32 1.8						-.3	
. 18	RAT	IP	18 31 56.9	7.7	.1	2.64	41	308	-.1	
. 18	ASD	IP C	18 31 57.1	6.6	.1	2.58	43	118	-.1	
. 18	SSI	IP C	18 32 .4	4.6	.1	2.57	65	57	-.0	
.....										
18	SSI	IP	21 08 31.5	6.3	.1					
18	ASD	IP	21 08 35.1	3.9	.1	2.84				
18	ASB	EP	21 08 36.2	4.3	.1	2.90				
.		ES	21 08 54.5							
18	ASC	EP	21 08 37.1							
18	AND	EP	21 08 38.3							
18	ANA	EP	21 08 41.1							

SEP 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
19	3 35	54.71	51.34 N 179.84 W	DEPTH = 26.8 KM			FREE DEPTH SOLUTION			
DELAROF ISLANDS, ALEUTIAN ISLANDS										
19	AMA	IPG	03 36 4.1				51	96	-0.0	
19	ASD	IPG	03 36 4.7	39.8	.1	3.47	57	276	-0.3	
19	ASB	IPG	03 36 5.9	39.8	.1	3.51	63	272	.0	QTAMP
		ES	03 36 13.8						-0.2	
19	ACE	IPG	03 36 6.6				69	276	-0.1	
19	ASC	IPG	03 36 7.0				70	281	.1	
19	ACD	EPG	03 36 7.1				72	278	.0	
19	SSI	IPGD	03 36 7.3	45.7	.1	3.62	73	327	.0	
		ES	03 36 16.4						-0.0	
19	ACA	EPG	03 36 7.6				74	283	.2	
19	ACR	EPG	03 36 7.9				75	281	.3	
19	ACC	EPG	03 36 8.4				79	282	.2	
19	AND	IPG	03 36 9.3				87	287	-0.1	
19	ANA	IPG	03 36 12.4				109	288	-0.1	
19	RAT	IP	03 36 16.4	19.4	.1	3.48	136	293	-0.3	
19	3 41	36.02	51.92 N 177.55 E	DEPTH = 92.1 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
19	RAT	IP D	03 41 51.1	67.1	.1	3.91	55	104	.1	
		ES	03 42 1.8						-0.2	
19	ANA	EP	03 41 53.4				83	112	.1	
19	AND	EP	03 41 55.3				105	112	-0.0	
19	ASC	EP	03 41 57.4				122	114	.2	
19	ASB	EP	03 41 58.1	13.1	.1	3.37	133	117	-0.2	
		ES	03 42 14.7						.2	
19	ASD	EP	03 41 58.6	28.1	.2	3.41	137	115	-0.2	
19	SSI	IP C	03 41 59.1	79.8	.1	4.17	140	90	.0	
		IS	03 42 15.9						-0.0	
19	7 36	15.93	51.86 N 178.83 E	DEPTH = 98.8 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
19	ANA	EP	07 36 30.3				28	205	.1	
19	RAT	IP C	07 36 30.4	51.2	.1	3.79	35	260	-0.1	
19	AND	EP	07 36 30.5				34	166	.1	
19	ASC	EP	07 36 31.2				49	152	-0.1	
19	SSI	IP	07 36 31.4	5.9	.1	2.87	52	85	-0.0	
19	ASB	EP	07 36 32.0	7.0	.1	2.96	62	152	-0.1	
		IS	07 36 43.8						-0.1	
19	ASD	EP	07 36 32.2	10.9	.1	3.16	63	145	.1	
		IS	07 36 44.0						.0	
19	9 24	7.30	51.77 N 176.94 W	DEPTH = 57.0 KM			TELESEISMIC SOLUTION			
ANDREANOF ISLANDS, ALEUTIANS ISLANDS										
19	ADK	IP D	09 24 16.6				21	53	.1	
		ES	09 24 23.9						.8	
19	AMA	EP	09 24 30.0	287.8	.2	4.43	160	251	-1.4	REGIONAL
19	SSI	EP D	09 24 42.7	282.1	.3		240	275	1.5	
19	ASD	EP	09 24 44.1				261	262	.3	
19	ASB	EP	09 24 44.9	344.6	.4		268	262	.2	POOR TAMP.QS
		E(S)	09 25 17.3						5.3	
19	ASC	EP	09 24 45.8				272	264	.7	
19	AND	EP	09 24 47.7				285	267	.9	
19	ANA	EP	09 24 50.4				304	269	1.3	
19	RAT	EP	09 24 52.9	69.4	.2		326	272	1.1	
19	NIK	EP	09 25 22.9				565	73	1.6	
19	GMA	E(P)	09 27 54.0				1769	24	4.1	

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SEP 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
19	9 44	33.56	51.85 N 178.62 E	DEPTH = 106.5 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
19	RAT	IP D	09 44 48.5	20.4	.1	3.40	21	256	-.0	
		FS	09 44 59.3						-.2	
19	ANA	IP D	09 44 48.8				25	174	.2	
19	AND	IP D	09 44 49.3				39	144	.1	
19	ASC	EP	09 44 50.3				57	139	.1	
19	ASB	EP	09 44 50.8	29.0	.1	3.62	69	141	-.2	
		ES	09 45 3.7						-.0	
19	SSI	IP D	09 44 50.8	12.9	.1	3.26	66	85	-.0	
		ES	09 45 3.4						-.0	
19	ASD	EP	09 44 51.0	59.4	.1	3.93	71	135	-.1	P SPIKE
		ES	09 45 4.1						.1	
19	10 0	19.30	21.30 S 178.49 W	DEPTH = 545.0 KM			TELESEISMIC SOLUTION			
FIJI ISLANDS REGION										
19	ADK	EP D	10 10 52.5	98.5	.5		8104	1		
19	11 55	46.19	51.45 N 178.67 E	DEPTH = 0.0 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
19	AND	IPGD	11 56 50.2				23	57	-.1	
		IS	11 56 53.1						-.3	
19	ACF	E(P)	11 56 50.3				24	70	-.2	
19	ANA	IPGC	11 56 50.4				19	357	.7	
19	ACB	IPG	11 56 51.7				29	87	.3	
19	ACA	IPG	11 56 51.8				31	84	-.0	
19	ASC	E(P)	11 56 52.4				34	88	.0	
19	ACD	EPG	11 56 52.4				32	95	.4	
19	ACE	IPG	11 56 52.8				35	99	.2	
19	ASB	EPG	11 56 53.6	3.2	.1	2.21	41	104	-.0	
		IS	11 56 58.8						-.3	
19	RAT	E(P)	11 56 53.9	3.5	.1	2.29	45	328	-.5	
19	ASD	EPG	11 56 54.3	6.0	.1	2.54	47	98	-.4	
19	12 59	52.83	51.28 N 179.46 E	DEPTH = 25.0 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
19	ASD	IPGD	12 59 57.5	42.6	.2	2.90	15	328	-.2	
		ES	13 00 3.1						-.3	
19	ASB	IPGC	12 59 57.9	11.7	.1	2.66	17	303	.0	
		ES	13 00 3.8						.0	
19	ACE	IPG	12 59 58.4				24	305	-.2	
19	ACD	EPG	12 59 59.0				28	307	-.0	
19	ASC	EPG	12 59 59.4				29	316	.3	
19	ACB	EPG	12 59 59.7				33	309	.1	
19	ACA	EPG	12 59 59.8				33	314	.2	
19	ACC	EPG	13 00 .3				37	309	.1	
19	ACF	EPG	13 00 1.1				42	311	.2	
19	AND	IPGD	13 00 1.6				47	312	.0	
19	SSI	IPG	13 00 4.7	16.0	.1	3.14	69	8	-.1	
19	ANA	EPG	13 00 4.7							

SEP 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
19	14 40	53.20	51.73 N 176.31 E	DEPTH = 100.0 KM			FIXED DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
19	RAT	IP D	14 41 16.2	22.7	.2	3.33	140	86	-.5	
		ES	14 41 33.2						-.6	
19	ANA	EP	14 41 19.2				163	93	-.1	
		E(S)	14 41 38.7						.4	
19	AND	EP	14 41 21.5				184	95	-.1	QP
19	ASC	EP	14 41 23.5				200	97	.1	QP
19	ASB	EP	14 41 24.4	1.6	.1		208	100	.0	QP
19	ASD	EP	14 41 24.9	4.8	.2		213	99	-.1	QP
19	SSI	IP	14 41 27.4	4.4	.1		227	84	.8	
19	15 27	8.47	51.86 N 178.63 W	DEPTH = 106.6 KM			FREE DEPTH SOLUTION			
DELAROF ISLANDS, ALEUTIAN ISLANDS										
19	AMA	EP	15 27 26.1	34.6	.1	3.70	71	208	.0	
		ES	15 27 39.0						.0	
19	SSI	IP C	15 27 30.6	19.9	.1	3.55	122	273	-.0	
		ES	15 27 46.7						-.1	
19	ASD	IP	15 27 33.3	4.8	.1	2.98	149	250	-.1	
		E(S)	15 27 51.9						.3	
19	ASB	IP	15 27 34.1	6.4	.1	3.12	157	250	-.1	
		E(S)	15 27 52.7						-.3	
19	ASC	IP	15 27 34.5				158	255	.1	
19	AND	IP	15 27 35.5				170	260	-.1	
19	ANA	EP	15 27 37.7				188	263	.0	
19	RAT	EP	15 27 40.2	3.0	.1		209	269	.1	
19	18 21	28.31	51.51 N 179.60 E	DEPTH = 60.0 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
19	ASD	EPG	18 21 37.8	1.8	.1	2.14	22	233	-.0	
19	ASB	IPG	18 21 38.2	2.6	.1	2.32	30	236	-.1	
		ES	18 21 45.5						-.0	
19	ACE	IPG	18 21 38.3				32	248	-.1	
19	ASC	EPG	18 21 38.5				31	260	.2	
19	ACA	IPG	18 21 38.5				33	264	-.0	
19	ACB	IPG	18 21 38.7				36	262	.0	
19	ACD	EPG	18 21 38.7				33	254	.2	
19	ACC	EPG	18 21 39.0				39	266	.1	
19	AND	IPG	18 21 39.1				45	278	-.3	
19	ACF	EPG	18 21 39.4				42	272	.2	
19	20 5	53.27	51.87 N 179.95 W	DEPTH = 80.2 KM			FREE DEPTH SOLUTION			
DELAROF ISLANDS, ALEUTIAN ISLANDS										
19	ASD	EP	20 06 8.6	1.1	.1	2.14	72	223	.0	
		ES	20 06 19.7						-.0	
19	ASB	EP	20 06 9.2	1.0	.1	2.11	79	225	-.0	
		ES	20 06 20.9						.0	
19	AND	EP	20 06 9.6				83	246	.0	
20	1 22	4.67	51.34 N 179.89 E	DEPTH = 28.7 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
20	ASD	EPG	01 22 12.5	2.0	.1	2.06	38	279	.0	QP. LOCAL
		ES	01 22 18.3						.1	
20	ASB	EPG	01 22 13.2	3.2	.1	2.31	45	273	-.1	QP
		IS	01 22 19.4						-.2	

SEP 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
. 20	AGE	EPG	01 22 14.1				50	278	.1	
. 20	ASC	EPG	01 22 14.4				52	285	.1	QP
. 20	ACA	EPG	01 22 14.8				56	287	-.0	
. 20	ACB	EPG	01 22 15.0				57	284	-.0	
. 20	SSI	IPGC	01 22 16.1	11.2	.1	2.97	65	342	-.0	
.....										
. 20	2	7	20.82	51.35 N	179.43 E	DEPTH = 19.7 KM	FREE DEPTH SOLUTION			
				RAT ISLANDS, ALEUTIAN ISLANDS						
. 20	ASD	EPG	02 07 24.4	3.8	.1	2.01	7	305	.0	VERY LOCAL
		ES	02 07 27.0						-.0	
. 20	ASB	EPG	02 07 24.8	1.7	.1	1.71	13	274	.0	
		IS	02 07 27.7						.0	
. 20	AGE	EPG	02 07 25.4				19	287	-.0	
. 20	ACD	EPG	02 07 25.8				22	292	-.0	
. 20	ACA	EPG	02 07 26.3				26	304	.0	
. 20	ACB	EPG	02 07 26.4				26	298	.0	
.....										
. 20	3	13	20.24	51.13 N	179.72 E	DEPTH = 33.8 KM	FREE DEPTH SOLUTION			
				RAT ISLANDS, ALEUTIAN ISLANDS						
. 20	ASD	IPG	03 13 28.6	13.9	.1	2.94	39	318	.0	LOCAL
. 20	ASB	IPG	03 13 28.9	8.8	.1	2.75	42	308	.0	QS
		ES	03 13 35.2						-.0	
. 20	AGE	EPG	03 13 29.7				48	309	-.1	
. 20	ACD	EPG	03 13 30.3				52	310	.0	
. 20	ASC	IPG	03 13 30.5				53	314	.1	
. 20	ACA	EPG	03 13 30.9				57	313	-.0	
. 20	ACB	EPG	03 13 30.9				57	311	-.0	
. 20	SSI	EPG	03 13 34.9	5.1	.1	2.73	85	354	-.0	VQP
.....										
. 20	3	36	40.83	51.50 N	179.64 E	DEPTH = 72.4 KM	FREE DEPTH SOLUTION			
				RAT ISLANDS, ALEUTIAN ISLANDS						
. 20	ASD	IPG	03 36 51.8	8.7	.1	2.89	24	240	-.1	
. 20	ASB	IPG	03 36 52.3	8.0	.1	2.87	31	241	.1	
		ES	03 37 .5						-.1	
. 20	ASC	IPG	03 36 52.4				33	263	.1	
. 20	ACA	EPG	03 36 52.4				36	267	-.1	
. 20	ACF	EPG	03 36 52.4				34	251	-.0	
. 20	ACD	EPG	03 36 52.6				36	257	.1	
. 20	ACB	EPG	03 36 52.7				38	264	.0	
. 20	ACC	EPG	03 36 52.8				41	268	-.1	
. 20	SSI	EPG	03 36 53.0	4.9	.1	2.68	44	355	-.0	
		ES	03 37 2.0						.1	
. 20	ANA	IPG	03 36 55.2				69	282	-.0	
.....										
. 20	6	34	45.80	51.29 N	179.92 E	DEPTH = 13.6 KM	FREE DEPTH SOLUTION			
				RAT ISLANDS, ALEUTIAN ISLANDS						
. 20	ASD	IPGC	06 34 53.3	11.1	.1	2.78	42	286	-.1	
		ES	06 34 58.6						-.3	
. 20	ASB	IPGC	06 34 54.3	34.2	.1	3.32	48	280	.0	
		ES	06 35 .4						-.0	
. 20	AGE	IPGC	06 34 55.3				54	283	.1	
. 20	ASC	IPGC	06 34 55.6				56	290	.1	
. 20	ACD	IPGC	06 34 55.8				57	286	.2	
. 20	ACA	IPGC	06 34 56.1				60	291	.0	
		ES	06 35 3.5						-.1	
. 20	ACB	IPGC	06 34 56.4				61	289	.1	
. 20	ACC	IPGC	06 34 56.9				65	290	.0	

SEP 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS	
. 20	AMA	IPGD	06 34 57.1	3.6	.1	2.47	67	90	-.1	QDIR	
. 20	ACF	IPGC	06 34 57.5				70	292	-.1		
. 20	SSI	IPGC	06 34 57.9	47.4	.1	3.61	71	341	.1		
. 20	AND	EPGC	06 34 58.4				74	295	.2		
. 20	ANA	EPG	06 35 1.3				95	294	-.1		
. 20	RAT	EP	06 35 5.3	10.4	.1	3.16	124	298	-.5		
.....											
. 20	6 44 14.20	56.37 N 153.00 W DEPTH = 33.0 KM MB = 5.2 MS = 5.3 TELESEISMIC SOLUTION KODIAK ISLAND REGION									
. 20	AMA	EP	06 47 55.4	41.4	.3		1799	263		TELE	
. 20	SSI	EP	06 48 3.1	21.7	.4		1848	266			
. 20	ASR	EP	06 48 5.9	34.1	.3		1896	265			
. 20	ASD	EP	06 48 6.0	11.2	.2		1889	265			
. 20	ASC	EP	06 48 7.2				1896	265			
. 20	AND	EP	06 48 7.9				1904	265			
. 20	RAT	EP	06 48 13.3	5.7	.2		1930	267			
.....											
. 20	8 17 18.57	51.47 N 179.74 E DEPTH = 59.1 KM RAT ISLANDS, ALEUTIAN ISLANDS									FREE DEPTH SOLUTION
. 20	ASD	EPG	08 17 28.3	.8	.1	1.82	29	253	-.1		
		E(S)	08 17 35.5						-.0		
. 20	ASR	EPG	08 17 28.8	.7	.1	1.76	36	251	-.1		
. 20	ACE	EPG	08 17 29.2				40	259	.0		
. 20	ASC	EPG	08 17 29.4				40	269	.2		
. 20	ACD	EPG	08 17 29.4				42	264	.0		
. 20	ACB	EPG	08 17 29.7				45	269	.1		
. 20	AND	EPG	08 17 30.4				55	281	-.2		
.....											
. 20	8 43 56.20	51.95 N 179.40 E DEPTH = 140.8 KM RAT ISLANDS, ALEUTIAN ISLANDS									FREE DEPTH SOLUTION
. 20	SSI	EP	08 44 15.3	1.2	.1	2.27	15	117	.1		
. 20	AND	EP	08 44 16.4				53	215	-.0		
. 20	ASC	EP	08 44 16.8				57	196	.2		
. 20	ANA	IP	08 44 16.9				62	235	.0		
. 20	ASD	IP	08 44 17.0	1.4	.1	2.38	63	183	.1		
		ES	08 44 32.0						.0		
. 20	ASR	EP	08 44 17.1	1.5	.1	2.41	67	189	-.0		
		FS	08 44 32.2						-.2		
. 20	RAT	IP	08 44 17.4	10.0	.1	3.24	75	257	-.2		
. 20	AMA	EP	08 44 21.4	4.2	.1	2.93	127	125	-.1		
.....											
. 20	8 59 44.54	52.03 N 178.46 E DEPTH = 136.3 KM RAT ISLANDS, ALEUTIAN ISLANDS									FREE DEPTH SOLUTION
. 20	ANA	IP	09 00 4.0				47	163	.0		
		ES	09 00 18.1						-.0		
. 20	AND	EP	09 00 4.6				62	147	-.1		
. 20	SSI	EP	09 00 5.7	2.2	.1	2.58	79	101	.0		
. 20	ASC	EP	09 00 5.9				80	142	.1		
. 20	ASR	EP	09 00 6.6	.8	.1	2.16	92	144	-.0		
		ES	09 00 22.8						.0		
. 20	ASD	IP	09 00 6.7	1.4	.1	2.40	94	139	-.0		
.....											
. 20	SSI	IPG	09 25 22.3	5.5	.1	2.46					
		ES	09 25 27.0								
. 20	ASD	EPG	09 25 26.3	1.4	.1	2.08					
. 20	ASC	EPG	09 25 27.1								

SEP 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
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20	ASB	EPG	09 25 27.3	1.2	.1	2.05				
		ES	09 25 36.0							

20	11 54 50.19	52.00 N 179.61 E	DEPTH = 188.1 KM	FREE DEPTH SOLUTION
		RAT ISLANDS, ALEUTIAN ISLANDS		

20	AND	EP	11 55 16.3				66	224	-.1	
20	ASD	EP	11 55 16.5	4.9	.1	3.03	70	196	-.1	
		ES	11 55 35.9						.1	
20	ASC	EP	11 55 16.6				67	208	.2	
20	ASB	EP	11 55 16.8	4.5	.1	2.99	75	200	-.0	
		ES	11 55 36.2						-.1	
20	ANA	EP	11 55 17.0				77	238	.1	
20	RAT	EP	11 55 17.6	4.6	.1	3.01	91	257	-.0	

20	12 0 9.86	51.29 N 179.79 E	DEPTH = 25.0 KM	FIXED DEPTH SOLUTION
		RAT ISLANDS, ALEUTIAN ISLANDS		

20	ASD	EPG	12 00 16.5	1.3	.1	1.81	33	291	-.2	
		ES	12 00 21.4						-.3	
20	ASB	EPG	12 00 17.3	1.5	.1	1.93	39	283	-.2	
		ES	12 00 23.1						.1	
20	ACE	IPG	12 00 18.2				45	287	-.1	
20	ASC	EPG	12 00 18.8				48	294	.1	
20	ACD	IPG	12 00 18.8				48	289	.0	
20	ACA	EPG	12 00 19.4				52	295	.2	
20	ACB	EPG	12 00 19.4				53	292	.0	
20	ACC	EPG	12 00 20.1				57	293	.2	
20	ACF	EPG	12 00 20.8				61	296	.1	
20	SSI	FPG	12 00 21.7	1.5	.1	2.11	69	348	-.1	

20	12 51 44.99	51.42 N 178.92 W	DEPTH = 112.1 KM	FREE DEPTH SOLUTION
		DELFAROF ISLANDS, ALEUTIAN ISLANDS		

20	SSI	EP	12 52 6.8	2.8	.1	2.69	115	297	-.1	
20	ASD	EP	12 52 7.2	1.5	.1	2.44	120	269	-.2	
20	ASB	EP	12 52 7.6	3.0	.2	2.44	127	268	-.4	QS
		ES	12 52 24.8						-.0	
20	ASC	EP	12 52 8.9				133	273	.3	
20	AND	EP	12 52 10.9				148	277	.8	
20	RAT	EP	12 52 14.8	2.0	.1	2.68	194	283	-.4	

20	12 58 41.29	51.32 N 178.04 E	DEPTH = 50.0 KM	FIXED DEPTH SOLUTION
		RAT ISLANDS, ALEUTIAN ISLANDS		

20	RAT	FPG	12 58 52.6	1.4	.1	2.10	57	21	-.2	
20	ANA	EP	12 58 52.7				55	52	.1	QP
20	AND	EP	12 58 54.1				69	67	-.1	
20	ACF	IPGC	12 58 54.4				70	71	.1	
20	ACC	EPG	12 58 54.6				72	75	.0	
20	ACB	EPG	12 58 54.9				75	78	.0	
20	ACA	IPGD	12 58 55.3				77	76	.1	
		ES	12 59 5.1						-.2	
20	ASC	EP	12 58 55.5				80	78	.0	QP
20	ASB	EP	12 58 55.9				84	87	-.1	QP
20	ASD	EP	12 58 56.7	.6	.1	1.82	91	85	-.1	QP
20	SSI	EP	12 59 1.4	1.0	.1	2.18	124	59	.5	QP
		ES	12 59 15.2						-.1	

20	ASD	IPG	13 28 49.8	2.2	.1	2.11				
		IS	13 28 55.0							

SEP 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
20	ASB	IPG	13 28 50.8	7.3	.1	2.69				
		ES	13 28 56.9							
20	ACE	EPG	13 28 51.8							
20	ASC	IPG	13 28 52.1							
20	ACD	IPG	13 28 52.3							
20	ACA	EPG	13 28 52.7							
20	ACB	IPG	13 28 52.8							
20	ACC	EPG	13 28 53.4							
20	ACF	EPG	13 28 54.0							
20	SSI	IPGD	13 28 54.4	6.0	.1					
20	AND	EPG	13 28 54.7							
20	ANA	EPG	13 28 57.9							
20	RAT	EP	13 29 2.3	1.6	.1					
.....										
20	13 32 58.62	51.41 N 178.77 E DEPTH = 47.3 KM							FREE DEPTH SOLUTION	
		RAT ISLANDS, ALEUTIAN ISLANDS								
20	AND	IPGC	13 33 6.6				22	36	-.1	
20	ACC	IPGC	13 33 6.8				21	65	.1	
20	ACF	IPG	13 33 6.8				20	49	.1	
20	ACB	IPGC	13 33 6.9				23	74	.1	
20	ACD	IPGC	13 33 7.0				26	84	.0	
20	ANA	IPG	13 33 7.1				26	343	.1	
20	ACA	IPGC	13 33 7.1				26	71	.1	
20	ACF	IPGC	13 33 7.1				28	91	-.1	
20	ASC	IPGD	13 33 7.3				28	77	.1	
20	ASB	IPGC	13 33 7.5	17.8	.1	3.09	33	98	-.1	
		IS	13 33 13.8						-.4	
20	ASD	IPGC	13 33 8.2	23.9	.1	3.25	40	92	-.0	
20	RAT	IPGD	13 33 9.4	8.5	.1	2.85	53	325	-.2	
20	SSI	IPGC	13 33 12.7	16.4	.1	3.24	78	46	.1	
		IS	13 33 22.6						-.2	
.....										
20	13 44 15.93	52.26 N 178.51 E DEPTH = 125.0 KM							FIXED DEPTH SOLUTION	
		RAT ISLANDS, ALEUTIAN ISLANDS								
20	RAT	EP	13 44 34.3	1.6	.1	2.39	53	194	-.1	
20	ANA	EP	13 44 35.4				72	172	-.0	
		E(S)	13 44 49.7						.0	
20	AND	EP	13 44 36.6				84	159	.3	
20	ASC	EP	13 44 37.5				100	153	-.0	
20	ASD	EP	13 44 38.5	.6	.1	2.01	113	149	-.1	
.....										
20	14 40 2.95	50.44 N 178.03 E DEPTH = 50.0 KM							FIXED DEPTH SOLUTION	
		RAT ISLANDS, ALEUTIAN ISLANDS								
20	ASB	EP	14 40 23.7	.7	.1	2.05	134	39	-.0	
20	ASD	EP	14 40 24.2	.8	.1	2.14	140	40	-.4	QS
		E(S)	14 40 40.3						-.0	
20	ASC	EP	14 40 24.2				139	34	-.2	
20	AND	EP	14 40 24.3				141	27	-.3	
20	ANA	EP	14 40 24.4				140	18	-.1	
20	SSI	EP	14 40 32.4	3.0	.1	2.81	195	33	1.1	
		E(S)	14 40 55.0						3.0	
.....										
20	15 20 23.39	51.46 N 178.73 E DEPTH = 0.0 KM							FREE DEPTH SOLUTION	
		RAT ISLANDS, ALEUTIAN ISLANDS								
20	AND	EPG	15 20 26.6				19	54	-.3	
		ES	15 20 29.5						.1	
20	ANA	EPG	15 20 26.9				19	346	.1	
20	ACC	EPG	15 20 27.7				22	83	.3	

SEP 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
. 20	ACA	EPG	15 20 28.2				27	85	-.1	
. 20	ACR	EPG	15 20 28.2				25	89	.2	
. 20	ACD	EPG	15 20 28.9				29	97	.3	
. 20	ASD	E(P)	15 20 30.7	.4	.1	1.35	43	100	-.6	
.....										
. 20	15 21 53.52	51.17 N 179.87 E DEPTH = 39.5 KM RAT ISLANDS, ALEUTIAN ISLANDS								FREE DEPTH SOLUTION
. 20	ASD	EPG	15 22 2.9	1.1	.1	1.90	44	304	-.1	
		E(S)	15 22 9.9						-.0	
. 20	ASR	EPG	15 22 3.5	2.1	.2	1.89	48	296	.0	
. 20	ASC	EPG	15 22 5.0				59	304	.2	
. 20	AND	EPG	15 22 7.2				77	305	-.1	
. 20	SSI	EPG	15 22 8.1	2.5	.1	2.42	83	347	-.0	
.....										
. 20	15 9 29.10	51.20 N 178.68 E DEPTH = 32.0 KM RAT ISLANDS, ALEUTIAN ISLANDS								FREE DEPTH SOLUTION
. 20	ASC	EPG	16 09 37.2				45	49	-.8	
. 20	ACC	IPG	16 09 37.7				41	39	.2	
. 20	ACD	EPG	16 09 37.7				41	51	.2	
. 20	ACE	EPG	16 09 37.7				41	57	.1	
. 20	ACR	EPG	16 09 37.8				41	44	.2	
. 20	ASR	EPG	16 09 37.9	1.2	.1	1.89	44	65	.0	
		ES	16 09 43.8						-.5	
. 20	ACF	IPG	16 09 37.9				43	31	.2	
. 20	AND	IPG	16 09 38.0				45	25	-.0	
. 20	ACA	EPG	16 09 38.1				44	44	.2	
		ES	16 09 44.4						.1	
. 20	ANA	EPG	16 09 38.7				48	359	.3	
. 20	ASD	EPG	16 09 38.8	.7	.1	1.70	51	65	-.0	
. 20	RAT	EPG	16 09 41.2	.9	.1	1.91	71	340	-.4	
. 20	SSI	IPG	16 09 45.9	4.2	.1	2.70	100	39	.1	
.....										
. 20	16 51 3.14	51.64 N 178.10 W DEPTH = 64.6 KM ANDREANOF ISLANDS, ALEUTIANS ISLANDS								FREE DEPTH SOLUTION
. 20	AMA	IP	16 51 18.1	27.2	.1	3.50	80	241	.0	
. 20	SSI	IP	16 51 27.6	10.6	.1	3.30	162	281	-.0	
		ES	16 51 45.4						-.1	
. 20	ASD	EP	16 51 29.6	4.2	.1	2.94	179	262	-.1	
		IS	16 51 49.3						.1	
. 20	ASR	EP	16 51 30.4	5.2	.1	3.04	186	262	-.2	
		IS	16 51 50.6						-.0	
. 20	ASC	EP	16 51 31.2				190	265	.1	
. 20	AND	EP	16 51 32.7				204	269	-.0	
. 20	ANA	EP	16 51 35.3				224	271	.1	
. 20	RAT	EP	16 51 38.1	3.0	.1		247	276	.1	
.....										
. 20	18 20 7.87	51.71 N 178.86 E DEPTH = 0.0 KM RAT ISLANDS, ALEUTIAN ISLANDS								FREE DEPTH SOLUTION
. 20	ANA	IPG	18 20 10.4				17	237	.3	
. 20	AND	EPG	18 20 10.6				17	159	.4	
		IS	18 20 13.3						.7	
. 20	ACF	EPG	18 20 11.5				22	156	.4	VQP
. 20	ACC	EPG	18 20 12.2				28	154	.1	VQP
. 20	ACB	EPG	18 20 12.7				32	150	-.1	VQP
. 20	RAT	EPG	18 20 13.6	1.9	.1	1.96	38	285	-.4	
. 20	ASB	EPG	18 20 14.8	.8	.1	1.66	47	145	-.8	VQP
		ES	18 20 20.7						-1.1	

SEP 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
20	SSI	EPG	18 20 17.2	.5	.1	1.51	54	67	.3	
20	ADK	EP	18 51 41.0							
		ES	18 51 58.9							
20	ASD	EPG	18 52 21.8	1.8	.1	2.18				
20	ASB	EPG	18 52 22.3	1.4	.1	2.08				
		ES	18 52 30.3							
20	ASC	EPG	18 52 22.5							
20	ACD	EPG	18 52 22.7							
20	ACB	EPG	18 52 22.8							
20	ACF	EPG	18 52 23.0							QP
20	AND	EPG	18 52 23.1							
20	ANA	EPG	18 52 25.2							
20	19 9 23.40		52.08 N 175.87 W	DEPTH = 150.0 KM				TELESEISMIC SOLUTION		
			ANDREANOF ISLANDS, ALEUTIANS ISLANDS							
20	ADK	IP	19 09 45.2				60	249	.2	
		ES	19 09 59.2						-1.5	
20	AMA	EP	19 10 1.0	71.7	.3		240	250	.2	
20	SSI	EP	19 10 8.9	1.0	.1		312	268	.1	
20	ASD	EP	19 10 12.0	1.3	.1		339	259	.1	
20	ASB	EP	19 10 12.7	2.7	.1		346	259	-0.0	QS
		E(S)	19 10 46.7						-2.0	
20	ASC	EP	19 10 13.5				349	261	.5	
20	AND	EP	19 10 14.6				361	263	.2	
20	20 54 13.90		56.40 N 153.07 W	DEPTH = 37.0 KM MB = 4.8 MS = 4.8				TELESEISMIC SOLUTION		
			KODIAK ISLAND REGION							
20	AMA	EP	20 57 57.4	36.5	.3		1795	263		NOISY. VQP
20	SSI	EP	20 58 4.2	9.4	.4		1844	266		
20	ASD	EP	20 58 7.0	8.7	.3		1885	264		QP. TELE
20	ASB	EP	20 58 7.7	15.1	.4		1892	264		QP. NO S VISIBL
20	ASC	EP	20 58 8.6				1892	265		QP
20	AND	EP	20 58 9.0				1900	265		QP
20	RAT	EP	20 58 14.1	5.6	.3		1926	267		
20	22 29 4.64		51.28 N 179.87 W	DEPTH = 25.0 KM				FIXED DEPTH SOLUTION		
			DELAROF ISLANDS, ALEUTIAN ISLANDS							
20	ASD	EPG	22 29 14.6	.8	.1	1.79	56	283	-0.0	QS
		ES	22 29 21.6						-0.3	
20	ASB	EPG	22 29 15.5	.8	.1	1.80	62	279	.0	QS
		ES	22 29 23.5						.1	
20	ACE	EPG	22 29 16.3				68	282	-0.0	
20	ASC	EPG	22 29 16.7				70	287	.0	
20	ACD	EPG	22 29 16.9				71	284	.1	
		ES	22 29 25.9						.2	
20	22 48 32.39		51.00 N 179.85 E	DEPTH = 15.3 KM				FREE DEPTH SOLUTION		
			RAT ISLANDS, ALEUTIAN ISLANDS							
20	ASD	EPG	22 48 42.1	.8	.1	1.77	56	321	-0.0	QS
		ES	22 48 49.2						.0	
20	ASB	EPG	22 48 42.4	2.1	.1	2.18	58	314	-0.0	QS
		ES	22 48 49.7						-0.0	
20	ACE	EPG	22 48 43.5				65	314	.1	
20	ACD	EPG	22 48 44.0				69	314	-0.0	

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SEP 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
20	23 6 37.83		51.35 N 179.90 E				64.0 KM			FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
20	ASD	EPG	23 06 48.8	1.4	.1	2.09	39	277	-.1	
		ES	23 06 56.9						-.0	
20	ASB	EPG	23 06 49.3	2.0	.1	2.26	46	272	-.1	
		ES	23 06 57.7						-.1	
20	ACE	EPG	23 06 49.9				51	276	.1	
20	ACD	EPG	23 06 50.1				54	279	-.0	
20	ASC	EPG	23 06 50.2				53	284	.2	
20	ACB	EPG	23 06 50.5				58	283	.0	
20	ACC	EPG	23 06 50.9				62	284	.1	
20	SSI	EPG	23 06 51.0	.5	.1	1.72	64	340	-.1	VQP
		ES	23 07 .8						.1	
20	ACF	EPG	23 06 51.2				66	287	-.1	
20	AND	EPG	23 06 51.7				70	290	.0	
20	RAT	EP	23 06 57.2	1.0	.1	2.18	120	295	-.1	
20	23 14 58.87		51.72 N 177.95 E				72.4 KM			FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
20	RAT	IPGD	23 15 9.9	18.9	.1	3.23	27	72	-.2	
20	ANA	IPGD	23 15 11.6				50	102	.1	
		IS	23 15 21.0						.2	
20	AND	IPGD	23 15 13.4				71	104	-.0	
		IS	23 15 24.1						.0	
20	ASC	EPG	23 15 15.5				89	109	.3	
20	ASB	EPG	23 15 16.2	3.8	.1	2.72	98	114	-.0	
		ES	23 15 28.6						-.3	
20	ASD	EPG	23 15 16.7	2.1	.1	2.47	103	110	-.1	
20	SSI	IP	23 15 18.0	5.7	.1	2.93	114	80	-.0	
20	23 19 59.14		51.63 N 178.85 E				21.9 KM			FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
20	AND	IPG	23 20 3.1				11	139	-.1	
20	ANA	EPG	23 20 3.4				13	266	-.0	
20	ACF	IPG	23 20 3.7				16	141	.1	
20	ACC	EPG	23 20 4.2				21	141	-.1	
20	ACA	EPG	23 20 4.8				25	132	.1	
20	ACB	EPG	23 20 4.8				25	139	.1	
20	ASC	E(P)	23 20 5.5				29	131	.3	QP
20	ASB	EPG	23 20 6.6	.6	.1	1.53	41	138	-.2	
		ES	23 20 12.7						.2	
20	ASD	EPG	23 20 7.2	1.0	.1	1.76	43	128	.0	
		ES	23 20 12.7						-.4	
20	23 41 46.67		51.50 N 179.18 E				148.7 KM			FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
20	ASD	GP	23 42 5.6	1.0	.1	2.21	16	136	-.1	
		E(S)	23 42 20.3						-.0	
20	ASB	EP	23 42 5.7	1.2	.1	2.30	16	163	.0	
20	ASC	EP	23 42 5.7				4	196	.1	
20	AND	EP	23 42 5.7				17	295	-.0	
20	ANA	EP	23 42 6.2				39	292	-.0	

SEP 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
21	0 13	27.49	51.13 N 179.89 W	DEPTH = 50.0 KM			FIXED DEPTH SOLUTION			
DEAROF ISLANDS, ALEUTIAN ISLANDS										
21	ASD	IP	00 13 39.4				61	299	-.1	FROM BRUSH REC
		ES	00 13 47.2						-1.1	
21	ASB	IP	00 13 39.9				65	294	-.1	FROM BRUSH REC
		ES	00 13 49.9						.8	
21	ASC	IP	00 13 41.3				75	300	.1	FROM BRUSH REC
21	AND	EP	00 13 43.0				94	301	-.4	FROM BRUSH REC
21	SSI	EP	00 13 43.1	4.9	.1	2.77	92	337	-.1	
		ES	00 13 54.9						.2	
21	RAT	EP	00 13 50.3	1.2	.1	2.31	144	302	.7	
.....										
21	ANA	IP	01 54 40.0							
21	AND	IP	01 54 42.5							
		ES	01 54 48.2							
21	ACC	IP	01 54 44.0							
21	ACB	EP	01 54 44.5							
21	ACA	EP	01 54 44.7							
21	ASC	EP	01 54 45.2							
21	ASD	EP	01 54 47.3	.7	.1	1.85				
		IS	01 54 56.8							
21	SSI	EP	01 54 49.4	2.4	.1					
21	ADK	EP	04 15 10.4							
.....										
21	5 35	2.61	51.46 N 179.67 E	DEPTH = 16.6 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
21	ASD	EP	05 35 7.5	2.5	.1	1.97	24	253	-.1	
21	ASB	EP	05 35 8.6	4.7	.1	2.32	31	250	-.0	
		IS	05 35 13.0						.0	
21	ASC	IP	05 35 9.3				35	272	.1	
21	ACD	EP	05 35 9.6				37	266	.1	
21	ACA	EP	05 35 9.7				38	275	.0	
21	ACB	EP	05 35 9.9				40	271	-.0	
21	AND	EP	05 35 11.3				51	284	-.3	
21	SSI	EP	05 35 11.3				49	354	.0	
21	ANA	IP	05 35 14.6				72	286	-.2	
21	RAT	EP	05 35 19.2				100	293	.2	
.....										
21	7 14	24.25	50.62 N 177.14 E	DEPTH = 1.4 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
21	RAT	EP	07 14 49.9	39.7	.1	3.83	155	32	-.2	
21	ANA	IP	07 14 50.3				154	43	.4	
21	AND	IP	07 14 51.2				164	50	-.2	
21	ASC	IP	07 14 52.2				170	56	-.1	
21	ASD	IP	07 14 52.7	28.4	.1	3.74	176	60	-.5	
21	ASB	IP	07 14 52.7	38.7	.1	3.86	169	60	.6	
		ES	07 15 12.4						-.0	
21	SSI	IP	07 14 59.9				222	49	.0	
21	ADK	EP	07 15 28.1				452	70	-.3	
		ES	07 16 16.2						1.0	
.....										
21	ANA	IP	08 56 45.7							
21	ASB	IP	08 56 46.2	17.6	.1	3.48				
		IS	08 57 3.5							
21	AND	IP	08 56 46.3							
21	ASC	IP	08 56 46.7							
21	ASD	EP	08 56 47.0	35.1	.1	3.80				
21	SSI	IP	08 56 54.6	39.9	.1					

SEP 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
. 21	11	3	41.02	52.18 N	179.91 W	DEPTH = 205.4 KM	FREE DEPTH SOLUTION			
DEAROF ISLANDS, ALEUTIAN ISLANDS										
. 21	SSI	IP	11 04 8.6				47	228	.0	
. 21	ASD	IP D	11 04 10.9	3.2	.1	2.89	102	211	-.1	
. 21	AND	IP	11 04 10.9				104	229	-.2	
. 21	ASB	IP D	11 04 11.3	6.0	.1	3.17	108	213	-.1	
		IS	11 04 33.5						.0	
. 21	ASC	IP	11 04 11.3				102	219	.3	
. 21	ANA	IP	11 04 11.9				116	239	.1	
.....										
21	SSI	IP	15 21 18.3							
		IS	15 21 23.2							
21	ASD	IP	15 21 21.0	7.7	.1	2.78				
21	ASB	IP	15 21 22.0	10.3	.1	2.95				
		IS	15 21 30.0							
21	ASC	IP	15 21 22.0							
.....										
. 21	15	33	47.23	51.77 N	179.47 W	DEPTH = 93.7 KM	FREE DEPTH SOLUTION			
DEAROF ISLANDS, ALEUTIAN ISLANDS										
. 21	SSI	IP	15 34 3.1	3.7	.1	2.68	66	282	-.1	
		ES	15 34 15.0						.1	
. 21	ASD	IP	15 34 5.5				92	243	.0	
. 21	ASB	IP	15 34 6.2	9.9	.1	3.18	100	243	.0	
		ES	15 34 19.9						-.1	
. 21	ASC	EP	15 34 6.4				100	251	.1	
. 21	AND	EP	15 34 7.3				111	259	-.0	
. 21	ANA	IP	15 34 9.3				130	264	.0	
.....										
. 21	15	4	44.79	51.07 N	179.97 W	DEPTH = 0.0 KM	FIXED DEPTH SOLUTION			
DEAROF ISLANDS, ALEUTIAN ISLANDS										
. 21	ASD	IP	15 09 5.8				123	288	-.1	+1.1 SEC TIME
		IS	15 09 20.3						-1.0	
. 21	ASB	IP	15 09 7.2	6.9	.1	3.00	129	285	.5	
. 21	SSI	IP	15 09 8.3				136	313	.5	
. 21	ANA	IP	15 09 13.9				176	292	-.0	
. 21	ADK	EP	15 09 14.6				183	59	-.3	
		ES	15 09 36.8						.0	
.....										
21	ADK	EP	20 26 53.3							
		ES	20 27 10.7							
.....										
. 21	23	26	29.59	51.89 N	178.57 W	DEPTH = 106.6 KM	FREE DEPTH SOLUTION			
DEAROF ISLANDS, ALEUTIAN ISLANDS										
. 21	ASD	IP	20 26 55.1				155	250	.0	0 TIME CORR.
. 21	ASB	IP	20 26 55.9				162	250	.0	
		ES	20 27 15.1						-.0	
. 21	AND	IP	20 26 57.3				175	259	.0	
.....										
. 22	4	10	56.83	51.24 N	179.56 W	DEPTH = 20.0 KM	FREE DEPTH SOLUTION			
DEAROF ISLANDS, ALEUTIAN ISLANDS										
. 22	ASD	IP C	04 11 9.9	194.3	.2	3.96	78	283	-.1	0 TIME CORR.
. 22	ASB	IP	04 11 10.9	108.8	.2	3.74	84	280	.0	
		ES	04 11 21.1						.0	
. 22	ASC	IP	04 11 12.2				92	286	.1	
. 22	SSI	IP	04 11 12.3				94	321	.0	

SEP 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
22	AND	IP	04 11 14.6				109	290	-.1	
22	ANA	IP	04 11 17.9				131	290	-.0	
22	RAT	IP	14 11 21.3							
22	15 25 12.00		51.48 N 177.29 W				48.0 KM		4.2	TELESEISMIC SOLUTION
			ANDREANOF ISLANDS, ALEUTIANS ISLANDS							
22	ADK	IP	16 25 23.9				62	42	-.1	
		ES	16 25 32.0						-.7	
22	AMA	EP	16 25 32.0				128	261	-.1	
22	SSI	EP	16 25 43.8				221	283	.3	
22	ASD	IP	16 25 45.3	118.4	.2		234	269	.1	+2.3 SEC TIME
		IS	16 26 15.6						6.2	
22	ASB	IP	16 25 46.4				241	268	.4	CORRECTION
22	ASC	IP	16 25 47.3				246	271	.7	
22	AND	IP	16 25 49.0				261	274	.6	
22	ANA	IP	16 25 51.8				281	275	.9	
22	RAT	EP	16 25 54.6				305	278	.7	
22	17 14 14.18		51.70 N 178.63 W				0.0 KM			FIXED DEPTH SOLUTION
			DELCAROF ISLANDS, ALEUTIAN ISLANDS							
22	AMA	IP	17 14 24.7				57	216	.2	
22	SSI	IP	17 14 37.1				125	281	1.6	
22	ADK	IP	17 14 37.2				135	81	.1	
		ES	17 14 49.8						-4.0	
22	ASD	IP	17 14 38.3	80.8	.2	3.81	145	257	-.2	+8.2 SEC TIME
22	ASB	IP	17 14 39.3	135.6	.2	4.06	152	256	-.3	CORRECTION
		IS	17 14 59.0						.8	
22	ASC	IP	17 14 40.1				155	261	.0	
22	AND	EP	17 14 41.6				168	266	-.4	
22	ANA	IP	17 14 44.6				187	269	-.4	
22	RAT	EP	17 14 47.8				210	274	-.6	
22	22 12 1.57		51.00 N 178.45 E				30.5 KM			FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
22	ASB	IP C	22 12 13.7	9.7	.1	2.93	69	54	.0	
		ES	22 12 22.5						-.0	
22	AND	IP D	22 12 14.1				72	29	-.1	
22	ANA	IP	22 12 14.1				72	12	-.0	
22	ASC	IP	22 12 14.4				72	43	.3	
22	ASD	IP	22 12 14.6	5.2	.1	2.70	76	54	-.1	TIME CORR 0 SEC
23	AMA	IP D	06 52 41.2							
23	ASD	IP	06 52 51.3	40.6	.1	3.74				
		IS	06 53 4.5							
23	ASB	IP	06 52 52.5	28.9	.1	3.62				
23	ASC	IP	06 52 53.5							
23	SSI	IP	06 52 54.2							
23	AND	EP	06 52 55.6							
23	ANA	IP	06 52 59.1							
23	RAT	EP	06 53 2.3							
23	ADK	EP	06 53 6.3							
		ES	06 53 29.6							
23	ASD	EP	08 19 19.5	4.2	.1	2.87				
		ES	08 19 37.0							
23	ASC	EP	08 19 19.7							
23	AND	EP	08 19 20.9							
		ES	08 19 38.9							

SEP 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
23	ASD	EP	12 37 58.8	4.8	.1	2.68				
		ES	12 38 8.4							
23	ASB	EP	12 37 59.4	2.2	.1	2.37				
23	ASC	EP	12 37 59.5							
23	AND	IP	12 38 2.2							
23	ANA	IP	12 38 2.1							

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 23 13 31 13.40 53.73 N 164.84 W DEPTH = 45.0 KM MB = 5.3 TELESEISMIC SOLUTION
 UNIMAK ISLAND REGION

23	NIK	IP	13 31 52.7				281	254		
23	ADK	EP	13 33 .9				825	260		
		ES	13 34 21.6							
23	AMA	IP	13 33 20.4				1005	260		
23	ASD	EP	13 33 32.1				1103	263		REGIONAL
23	ASB	EP	13 33 32.7				1110	263		
23	ASC	EP	13 33 33.1				1112	263		
23	AND	EP	13 33 35.6				1122	264		
23	ANA	EP	13 33 37.8				1139	265		
23	RAT	EP	13 33 39.6				1155	266		

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 23 23 41 8.02 51.55 N 179.02 E DEPTH = 20.0 KM FREE DEPTH SOLUTION
 RAT ISLANDS, ALEUTIAN ISLANDS

23	AND	IP C	20 41 11.4				5	289	-.1	
23	ACF	IP	20 41 11.5				3	221	.0	
23	ACC	IP	20 41 11.6				7	169	-.0	
23	ACA	IP	20 41 11.8				10	138	-.0	
23	ACR	IP	20 41 11.8				10	154	-.0	
23	ASC	EP	20 41 12.2				14	134	.1	
23	ACD	IP	20 41 12.4				15	149	.1	
23	ACE	IP	20 41 12.8				19	148	.1	
23	ASD	EP	20 41 13.6	6.9	.1	2.48	28	128	-.2	
23	ASB	IP C	20 41 13.6	17.8	.1	2.87	26	143	.1	
		IS	20 41 17.5						-.1	
23	ANA	IP C	20 41 13.7				27	290	.1	
23	SSI	IP D	20 41 17.7	62.1	.1	3.64	55	45	.1	
23	RAT	IP D	20 41 17.7				56	301	-.1	

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23	ASB	EP	22 51 14.7	6.1	.1	2.60				
23	ASD	IP	22 51 15.2	6.6	.1	2.65				
		IS	22 51 21.4							
23	AND	EP	22 51 17.4							

.....
 24 1 18 48.50 51.86 N 173.48 E DEPTH = 20.0 KM MB = 4.5 TELESEISMIC SOLUTION
 RAT ISLANDS, ALEUTIAN ISLANDS

24	SMY	EP	01 19 6.4				106	23	.6	
24	RAT	EP	01 19 35.7				333	89	-.1	
24	ANA	EP	01 19 38.8				358	92	-.0	
24	AND	EP	01 19 41.8				379	93	.4	
24	ASB	EP	01 19 45.0				402	96	.7	
24	ASD	EP	01 19 46.1	25.5	.3		408	95	1.1	
		IS	01 20 28.2						1.9	

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 24 2 17 51.36 51.02 N 178.73 W DEPTH = 50.0 KM FIXED DEPTH SOLUTION
 DELAROF ISLANDS, ALEUTIAN ISLANDS

24	ASD	IP	02 18 12.8	4.8	.1	2.90	141	288	-.2	
24	ASB	EP	02 18 13.8	9.6	.1	3.21	146	286	.1	
		ES	02 18 30.0						.0	

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SEP 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
24	ASC	EP	02 18 14.9				155	289	.1	
24	ADK	EP	06 02 18.7							
		ES	06 02 26.4							
24	ADK	EP	09 20 8.9							
		ES	09 20 18.6							
24	AMA	IP	09 20 21.6							
24	SSI	EP	09 20 38.7							
24	ASD	EP	09 20 41.1	8.5	.1					
		ES	09 21 22.4							
24	ASB	EP	09 20 41.9	10.0	.1					
24	ASC	EP	09 20 41.9							
24	AND	EP	09 20 44.6							
24	ANA	EP	09 20 46.5							
24	RAT	EP	09 20 50.0							
24	ASD	EP	09 31 8.0	21.3	.2					TELESEISMIC
24	ASB	EP	09 31 8.9	103.5	.3					
24	ASC	EP	09 31 9.4							
24	AND	EP	09 31 10.9							
24	ANA	EP	09 31 13.8							
24	ADK	EP	09 52 24.3							
		ES	09 52 34.5							
24	9 54 22.90	50.98 N 178.71 W	DEPTH = 26.0 KM	MB = 3.5						TELESEISMIC SOLUTION
			DELAROF ISLANDS, ALEUTIAN ISLANDS							
24	AMA	IP D	09 54 31.5				44	321	.2	
24	ASD	EP	09 54 45.1	39.2	.2	3.50	143	289	-.9	
24	ASB	EP	09 54 46.0	27.9	.2	3.37	149	287	-.8	
24	SSI	EP	09 54 46.9				156	311	-.9	
24	ASC	EP	09 54 47.4				158	291	-.6	
24	ADK	EP	09 54 49.2				173	54	-.7	
		ES	09 55 7.4						-2.1	
24	AND	EP	09 54 49.5				175	293	-.7	
		ES	09 55 14.7						4.6	
24	ANA	EP	09 54 52.9				197	292	.1	
24	RAT	EP	09 54 56.0				225	295	-.3	
24	AMA	IP C	10 09 36.4	51.9	.1					
24	ASD	EP	10 09 51.4	5.2	.1	2.91				
		IS	10 10 6.9							
24	ASB	IP	10 09 52.5	9.6	.1	3.20				
24	ASC	EP	10 09 53.5							
24	AMA	IP D	10 30 56.7							
24	ASD	IP	10 31 10.3	5.6	.1	3.02				
		ES	10 31 29.2							
24	SSI	IP D	10 31 12.0							
24	ASB	EP	10 31 12.0	4.4	.1	2.94				
24	ASC	EP	10 31 12.7							
24	ADK	EP	10 31 14.8							
		ES	10 31 33.8							
24	15 19 51.12	51.71 N 177.94 E	DEPTH = 77.6 KM							FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
24	RAT	IP	15 20 2.9	7.9	.1	2.88	29	70	-.1	
24	ANA	IP D	15 20 4.5				51	100	.1	
		IS	15 20 14.0						-.0	
24	AND	EP	15 20 6.1				72	103	-.1	
24	ASC	EP	15 20 8.0				89	108	.1	
24	ASB	EP	15 20 8.9	2.4	.1	2.53	99	113	.0	

SEP 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
24	ASD	EP	15 20 9.2	1.7	.1	2.39	104	110	-.2	
24	SSI	EP	15 20 10.7	4.6	.1	2.85	115	79	.0	
24	ADK	IP	17 26 6.7							
		ES	17 26 13.6							
24	AMA	IP	17 26 18.1	10.5	.1					
24	SSI	EP	17 26 30.2							
24	ASD	EP	17 26 31.4	3.6	.1					
		ES	17 27 5.5							
24	ASB	EP	17 26 32.6	6.5	.1					
24	ASC	EP	17 26 33.6							
24	AND	EP	17 26 35.4							
24	ANA	EP	17 26 38.1							
24	RAT	EP	17 26 40.5							
24	18 37 13.47	50.67 N 178.89 E DEPTH = 25.0 KM RAT ISLANDS, ALEUTIAN ISLANDS								FIXED DEPTH SOLUTION
24	ASD	IP C	18 37 27.4				87	21	-.6	
24	ASB	EP	18 37 28.0				81	18	.8	
		ES	18 37 37.2						-.0	
24	ASC	IP D	18 37 28.3				91	12	-.3	
24	SSI	IP	18 37 36.9	5.6	.1	2.96	145	19	.1	
24	AMA	IP D	19 01 14.3	28.1	.1					
24	ASD	EP	19 01 28.0	2.7	.1	2.70				
		ES	19 01 46.9							
24	SSI	EP	19 01 29.7	6.3	.1					
24	ASB	EP	19 01 30.1							
24	ASC	EP	19 01 30.4							
24	RAT	IP	19 04 36.3	17.5	.1					
24	AND	IP C	19 04 37.7							
24	ASC	EP	19 04 39.2							
24	ASB	EP	19 04 39.3	3.3	.1	2.53				
24	ASD	EP	19 04 40.5	1.8	.1	2.30				
		ES	19 04 51.0							
24	ANA	IP	19 04 42.4							
		IS	19 04 44.8							
24	SSI	IP	19 04 46.2							
24	19 12 42.17	51.69 N 179.96 E DEPTH = 26.8 KM RAT ISLANDS, ALEUTIAN ISLANDS								FREE DEPTH SOLUTION
24	SSI	IP C	19 12 49.3	14.1	.1	2.88	34	312	.0	
24	ASD	EP	19 12 51.9	.6	.1	1.60	54	233	-.1	
24	ASC	EP	19 12 52.9				60	246	.0	
24	ASB	EP	19 12 53.0	7.2	.1	2.76	61	234	-.0	
		IS	19 13 .9						.0	
24	ACA	IP	19 12 53.3				62	249	.1	
24	ACE	EP	19 12 53.3				63	240	.0	
24	ACD	EP	19 12 53.4				64	243	.0	
24	ACB	IP	19 12 53.6				65	248	.1	
24	ACC	EP	19 12 53.8				67	251	-.1	
24	ACF	EP	19 12 54.1				69	255	-.0	
24	AND	EP	19 12 54.2				71	259	-.2	
24	ANA	EP	19 12 57.3				90	266	.1	

SEP 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
24	20 46	1.38	50.93 N 179.84 W	DEPTH = 50.0 KM			FIXED DEPTH SOLUTION			
DELAROF ISLANDS, ALEUTIAN ISLANDS										
24	ASD	EP	20 46 15.2	1.8	.1	2.29	77	312	-.1	
24	ASB	EP	20 46 15.6				80	307	-.0	
		ES	20 46 26.0						.0	
24	ASC	EP	20 46 17.1				91	311	.1	
.....										
24	22 5	22.53	50.90 N 179.77 W	DEPTH = 27.9 KM			FREE DEPTH SOLUTION			
DELAROF ISLANDS, ALEUTIAN ISLANDS										
24	AMA	IP	22 05 34.2	22.8	.1	3.27	63	47	.6	
24	ASD	EP	22 05 35.8	9.1	.1	2.96	83	311	-.7	
24	ASB	EP	22 05 36.5	7.0	.1	2.86	86	307	-.5	
		ES	22 05 49.0						1.5	
24	ASC	EP	22 05 38.7				97	310	.0	
24	SSI	EP	22 05 40.9				119	338	-1.0	
24	AND	EP	22 05 41.8				116	310	.4	
24	ANA	EP	22 05 44.7				136	307	.2	
24	RAT	EP	22 05 48.7				166	308	.2	
.....										
24	ASD	IP	22 06 48.3	2.8	.1	2.47				
24	ASB	EP	22 06 48.7	2.0	.1	2.34				
		ES	22 06 59.1							
24	ASC	EP	22 06 50.2							
24	AND	EP	22 06 52.6							
.....										
24	23 35	30.24	49.94 N 179.49 E	DEPTH = 75.0 KM			FIXED DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
24	ASD	EP	23 35 54.4	7.1	.1	3.14	162	356	-.6	
24	ASB	EP	23 35 54.5	4.4	.1	2.93	159	354	-.2	
		ES	23 36 12.5						-.0	
24	ASC	EP	23 35 56.2				171	352	.1	
24	AND	EP	23 35 58.0				184	348	.3	
24	SSI	EP	23 36 2.1	12.2	.1		217	2	.4	
.....										
25	ADK	EP	00 05 58.7							
		ES	00 06 9.0							
25	ASD	IP	00 06 17.7							BRUSH RECORD
25	ASB	IP	00 06 18.2							
25	ASC	IP	00 06 19.6							
25	AND	EP	00 06 20.5							
25	ANA	EP	00 06 23.7							
.....										
25	2 16	22.43	51.56 N 179.01 E	DEPTH = 21.0 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
25	AND	EP	02 16 25.9				4	282	-.1	
25	ACF	IP	02 16 26.1				3	195	.1	
25	ACC	IP	02 16 26.2				8	162	-.0	
25	ACA	IP	02 16 26.4				11	137	-.1	
25	ACB	IP	02 16 26.6				12	150	.1	
25	ASC	EP	02 16 26.8				15	133	.0	
25	ACD	IP	02 16 27.2				17	147	.2	
25	ANA	IP	02 16 27.9				25	288	-.0	
25	ASB	EP	02 16 28.1	6.5	.1	2.45	27	142	-.1	
		ES	02 16 32.2						-.2	
25	ASD	EP	02 16 28.5	2.2	.1	2.01	30	128	-.0	
.....										

BRUSH RECORD

SEP 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
25	2 47	12.68	51.29 N 178.94 E	DEPTH = 74.9 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
25	ACE	IP C	02 47 23.8				20	53	-.0	
25	ASD	IP C	02 47 23.9				30	68	-.4	
25	ASB	IP C	02 47 23.9	193.8	.1	4.25	23	70	-.0	INTERESTING
		IS	02 47 31.6						-.6	
25	ACD	IP C	02 47 23.9				21	42	.0	
25	ASC	IP C	02 47 24.0				25	39	-.0	
25	ACA	IP C	02 47 24.1				25	31	.1	
25	ACB	IP C	02 47 24.1				22	29	.2	
25	ACC	IP C	02 47 24.1				23	18	.2	
25	AND	IP C	02 47 24.4				30	2	.1	
25	ACF	IP D	02 47 24.4				27	8	.3	
25	ANA	IP C	02 47 26.0				42	333	1.0	
25	RAT	IP C	02 47 26.2				71	324	-1.2	
25	SSI	IP C	02 47 28.4				81	34	.0	
25	4 36	14.00	6.54 S 146.58 E	DEPTH = 115.0 KM MB = 6.3			TELESEISMIC SOLUTION			
			EAST NEW GUINEA REGION							
25	AOK	IP	04 46 50.4	1143.7	1.2		7353	24		
25	AMA	EP	05 48 40.5							
25	ASD	EP	05 48 55.7	2.2	.1	2.68				
25	ASB	EP	05 48 57.5	3.4	.1					
		ES	05 49 20.6							
25	ASC	EP	05 48 58.1							
25	AND	EP	05 49 2.0							
25	ANA	EP	05 49 4.9							
25	8 12	47.06	51.52 N 178.26 E	DEPTH = 50.0 KM			FIXED DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
25	RAT	EP	08 12 56.1				31	9	-.0	
25	ANA	IP	08 12 56.2				30	57	.2	
25	AND	EP	08 12 57.6				48	85	-.1	
25	ASC	EP	08 12 59.3				63	96	-.0	
25	ASB	EP	08 13 .1	1.3	.1	2.12	71	104	-.1	
25	ASD	EP	08 13 .9	1.1	.1	2.07	76	101	.0	
		ES	08 13 11.1						.2	
25	SSI	EP	08 13 3.7				100	65	-.1	
		ES	08 13 15.9						-.0	
25	9 45	45.08	51.22 N 178.77 E	DEPTH = 26.8 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
25	ACE	EP	09 45 52.2				35	54	-.1	
25	ASB	EP	09 45 52.4	2.6	.1	2.16	37	65	-.1	
		ES	09 45 57.5						-.5	
25	ACD	EP	09 45 52.4				35	48	.2	
25	ASC	EP	09 45 52.5				39	45	-.3	
25	ACB	EP	09 45 52.5				35	39	.2	
25	ACC	EP	09 45 52.5				35	33	.2	
25	ACA	EP	09 45 52.8				38	40	.1	
25	ACF	EP	09 45 52.8				38	24	.2	
25	AND	EP	09 45 53.0				40	18	.0	
25	ASD	EP	09 45 53.6	.7	.1	1.64	44	64	.1	
25	ANA	EP	09 45 53.8				46	351	.0	
25	RAT	EP	09 45 57.1				71	335	-.3	
25	SSI	EP	09 46 .7				94	37	-.0	

SEP 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
25	ANA	IP	10 03 33.8							
25	AND	IP D	10 03 34.6							
25	ASC	EP	10 03 35.4							
.....										
25	10 51 20.06		51.37 N 179.52 E				51.6 KM			FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
25	ASD	IP	10 51 28.1	10.6	.1	2.83	13	281	-.1	
25	ASB	IP	10 51 28.4	7.3	.1	2.68	19	267	-.1	
		ES	10 51 34.6						-.0	
25	ACE	IP	10 51 28.8				24	278	.0	
25	ASC	IP	10 51 29.1				27	293	.1	
25	ACD	IP	10 51 29.1				27	284	.1	
25	ACA	EP	10 51 29.3				30	294	.1	
25	ACB	EP	10 51 29.4				32	289	.1	
25	ACC	EP	10 51 29.6				36	291	-.0	
25	ACF	EP	10 51 30.0				40	296	-.1	
25	AND	EP	10 51 30.2				45	299	-.3	
25	SSI	IP C	10 51 31.9	5.9	.1	2.73	58	5	.0	
25	ANA	EP	10 51 32.8				66	296	.1	
.....										
25	13 5 59.60		32.40 S 72.90 W				33.0 KM			TELESEISMIC SOLUTION
			OFF COAST OF CENTRAL CHILE							
25	ADK	EP	13 24 52.0				13667	314		
.....										
25	16 46 6.36		51.39 N 178.78 E				40.8 KM			FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
25	ACF	IP	16 46 13.7				21	44	-.0	
25	AND	EP	16 46 13.7				23	31	-.1	
25	ACB	IP	16 46 13.9				23	69	.0	
25	ACC	IP	16 46 13.9				21	59	.2	
25	ACA	EP	16 46 14.1				25	66	.0	
25	ACD	IP	16 46 14.1				25	80	.1	
25	ACE	EP	16 46 14.1				27	87	-.1	
25	ANA	EP	16 46 14.2				28	342	-.1	
25	ASC	IP D	16 46 14.4				28	73	.1	
25	ASB	IP	16 46 14.6	3.7	.1	2.37	32	95	-.1	
25	ASD	IP	16 46 15.3	3.9	.1	2.42	39	89	-.1	
		ES	16 46 21.8						-.1	
.....										
25	NIK	EP	19 30 19.3							
.....										
25	22 17 59.40		19.43 S 176.62 W				311.0 KM			TELESEISMIC SOLUTION
			FIJI ISLANDS REGION							
25	ASD	EP	19 32 2.5				7850	357		TELESEISMIC
25	ASB	EP	19 32 3.3	72.5	.3		7848	357		
25	ASC	EP	19 32 4.2				7859	357		
25	AND	EP	19 32 6.0				7872	357		
25	ANA	EP	19 32 8.5				7880	357		
.....										
25	ADK	EP	22 28 44.2							
25	ADK	EP	22 53 42.2							
		ES	22 53 50.5							

SEP 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
25	23 46	8.64	51.45 N 178.87 E	DEPTH = 52.0 KM		FREE DEPTH SOLUTION				
PAT ISLANDS, ALEUTIAN ISLANDS										
25	AND	IP	23 46 16.8				14	25	-.1	
25	ACF	IP	23 46 16.9				12	45	.1	
25	ACB	IP	23 46 17.0				15	84	.1	
25	ACA	IP	23 46 17.2				18	78	.2	
25	ACD	IP	23 46 17.2				19	97	.1	
25	ACE	IP	23 46 17.2				22	104	-.1	
25	ASC	EP	23 46 17.2				21	85	.0	
25	ANA	EP	23 46 17.3				25	324	-.1	
25	ASB	EP	23 46 17.6	5.6	.1	2.59	28	110	-.1	
25	ASD	EP	23 46 18.0	12.3	.1	2.96	33	101	-.1	
	IS		23 46 24.8						-.1	
.....										
26	1 43	25.53	51.42 N 178.63 E	DEPTH = 0.0 KM		FREE DEPTH SOLUTION				
PAT ISLANDS, ALEUTIAN ISLANDS										
26	ACF	IP	01 43 30.2				28	64	-.4	
26	AND	IP D	01 43 30.2				27	54	-.3	
26	ANA	IP C	01 43 30.4				23	5	.6	
26	ACB	IP	01 43 31.7				32	81	.3	
26	ACA	IP	01 43 31.8				34	78	.0	
26	ACD	IP	01 43 32.4				35	88	.5	
26	ASB	IP D	01 43 33.5	9.5	.1	2.70	43	98	.1	
	IS		01 43 38.8						-.3	
26	RAT	IP C	01 43 33.8	17.5	.1	3.01	48	334	-.4	
26	ASD	IP	01 43 34.1	13.6	.1	2.91	49	93	-.4	
26	ADK	EP	01 44 13.0				327	79	-1.4	
.....										
26	3 14	13.04	51.83 N 179.25 E	DEPTH = 31.4 KM		FREE DEPTH SOLUTION				
PAT ISLANDS, ALEUTIAN ISLANDS										
26	SSI	IP	03 14 19.4				26	66	-.2	
26	AND	IP	03 14 21.1				33	218	.6	
26	ACB	IP	03 14 21.3				39	196	.1	
26	ACA	IP	03 14 21.5				37	194	.6	
26	ACE	IP	03 14 21.5				45	187	-.4	
26	ASC	IP	03 14 21.7				38	189	.7	
26	ANA	IP	03 14 21.7				45	245	-.2	
26	ASB	IP	03 14 21.9	19.6	.1	3.14	49	180	-.6	
	IS		03 14 28.0						-1.3	
26	ASD	IP C	03 14 22.6	37.9	.1	3.41	46	172	.5	
26	RAT	IP	03 14 24.0				63	270	-.4	
.....										
25	ADK	EP	04 13 45.1							
	ES		04 14 10.8							
26	AMA	IP D	04 14 1.9							
26	ASD	IP	04 14 12.5	27.2	.1					
26	ASB	IP	04 14 13.2							
	ES		04 15 0.0							
26	AND	EP	04 14 14.4							
26	ANA	EP	04 14 16.8							
26	RAT	EP	04 14 19.2							
.....										
26	ADK	EP	07 12 6.9							
	ES		07 12 26.8							
26	AMA	IP C	07 12 24.9							
26	SSI	IP	07 12 33.1							
26	ASD	IP	07 12 36.2	86.8	.2					
26	ASB	IP	07 12 37.0							
	ES		07 13 18.9							
26	ASC	IP	07 12 37.7							

SEP 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
26	AND	IP	07 12 39.1							
26	ANA	IP	07 12 41.0							
26	RAT	EP	07 12 43.1							
.....										
26	7 52	54.30	51.87 N 173.59 W	DEPTH = 33.0 KM	MB = 4.1					TELESEISMIC SOLUTION
			ANDREANOF ISLANDS, ALEUTIAN IS.							
26	ADK	EP	07 53 24.0				214	272		
		ES	07 53 46.8							
26	AMA	IPN	07 53 45.9				389	263		
		IPG	07 53 52.4							
26	ASB	EP	07 54 1.9				500	266		
		ES	07 55 .6							
26	ASD	EP	07 54 2.4				493	267		NOISEY
26	AND	EP	07 54 5.2				517	269		
26	ANA	EP	07 54 6.7				536	270		
26	RAT	EP	07 54 9.2				558	272		
.....										
26	ADK	EP	11 23 23.0							
26	RAT	IP	11 31 21.0	23.5	.1					
26	ANA	EP	11 31 24.4							
26	AND	IP	11 31 27.0							
26	ASC	IP	11 31 29.1							
26	ASB	EP	11 31 30.1							
26	ASD	EP	11 31 32.1	2.2	.1					
26	SSI	EP	11 31 32.8							
.....										
26	16 33	4.70	.00 S 124.86 E	DEPTH = 71.0 KM	MB = 5.8					TELESEISMIC SOLUTION
			MOLUCCA SEA							
26	ANA	EP	16 43 56.3				7606	33		
26	AND	EP	16 43 57.3				7620	33		
26	ASD	EP	16 43 57.7	23.2	.3		7634	33		TELESEISMIC
26	ASB	EP	16 43 58.0				7627	33		
26	ASC	EP	16 43 58.2				7627	33		
26	ADK	EP	16 44 18.0				7904	34		
.....										
26	19 0	50.28	51.69 N 179.70 E	DEPTH = 87.4 KM						FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
26	SSI	IP	19 01 3.1	6.3	.1	2.82	24	340	.0	
26	ASD	IP	19 01 3.9	4.9	.1	2.74	42	217	-.0	
26	ASC	EP	19 01 4.3				45	236	.2	
26	ASB	IP	19 01 4.4	7.4	.1	2.93	48	221	.1	
		IS	19 01 14.4						-.2	
26	AND	EP	19 01 4.7				54	255	-.0	
26	ANA	IP	19 01 6.4				72	265	.2	
26	AMA	IP	19 01 8.1				94	118	-.1	
26	RAT	IP	19 01 8.1	8.2	.1	3.08	96	278	-.3	
.....										
26	ASD	IP D	20 06 5.7	3.4	.1					
26	ASB	EP	20 06 6.1	3.5	.1					
		ES	20 06 43.9							
26	ASC	EP	20 06 6.6							
.....										
26	20 33	.06	51.35 N 179.33 E	DEPTH = 75.5 KM						FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
26	ACE	IP	20 33 11.0				12	299	-.1	
26	ASD	IP D	20 33 11.0	8.5	.1	2.88	5	10	.1	SAME AS 0247
26	ASB	IP D	20 33 11.0	6.3	.1	2.75	6	286	.0	25 SEP EVENT.

SEP 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.		IS	20 33 18.7						-0.2	
. 26	ACD	IP	20 33 11.3				16	304	.1	
. 26	ASC	IP	20 33 11.3				17	319	.1	
. 26	ACA	IP	20 33 11.4				21	316	.1	
. 26	ACB	IP	20 33 11.4				21	308	.1	
. 26	ACC	IP	20 33 11.4				25	308	-0.1	
. 26	ACF	IP	20 33 11.7				31	311	-0.1	
. 26	AND	IP	20 33 11.9				35	313	-0.1	
. 26	ANA	IP C	20 33 13.7				56	304	.2	
. 26	SSI	IP D	20 33 14.2	144.1	.1	4.21	63	16	.0	
. 26	RAT	IP	20 33 16.1	3.6	.1	2.67	86	306	-0.2	
. 26	AMA	EP	20 33 18.7				109	93	-0.1	

26	ANA	IP	22	40	51.2			
26	ASD	IP	22	40	53.5	3.1	.1	2.73
		IS	22	41	10.8			
26	AND	EP	22	40	54.1			

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. 27      5 59 55.20  73.39 N   55.10 E  DEPTH =    0.0 KM  MB = 6.4  MS = 5.2 TELESEISMIC SOLUTION
.          NOVAYA ZEMLYA
.
. 27     RAT EP    06 08 46.6                5476  43
. 27     SSI EP    06 08 48.3                5494  42
. 27     AND EP    06 08 49.0                5515  43
. 27     ANA EP    06 08 49.3                5502  43
. 27     ASC EP    06 08 50.0                5530  43
. 27     ASD EP    06 08 50.2                5541  43
. 27     ASB EP    06 08 51.0                5543  43
. 27     ADK IP C   06 08 52.5       2400.0  1.0    5573  39
. 27     AMA EP    06 08 53.0                5586  42
.                                     TELESEISMIC
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. 27      10 6 16.95 51.60 N 177.79 E DEPTH = 54.3 KM MB = 4.0      FREE DEPTH SOLUTION
.      RAT ISLANDS, ALEUTIAN ISLANDS
.
. 27      RAT IP D 10 06 27.3      43 59 -.1
. 27      ANA IP 10 06 29.4      60 87 .3
. 27      AND IP 10 06 31.3      80 93 -.1
. 27      ASC IP 10 06 33.3      96 99 .0
. 27      ASB IP 10 06 34.2      104 104 -.0
.      ES 10 06 46.8      -.1
. 27      ASD IP 10 06 34.8      110 102 -.1      LARGE AMP EVENT
. 27      SSI IP C 10 06 37.1      128 75 .0
. 27      AMA EP 10 06 48.2      218 98 .1
. 27      ADK EP 10 07 8.3      382 83 -.1
.      ES 10 07 48.7      2.8

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. 27      19  1 45.30 46.39 N 141.11 E DEPTH = 21.0 KM MB = 5.9 MS = 6.0 TELESEISMIC SOLUTION
.           SAKHALIN ISLAND
.
. 27      ADK EP      19 07 32.9           3097  63

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. 27      22 20  2.20   3.17 S 148.50 E  DEPTH =  33.0 KM  MB =  5.4  MS =  6.1  TELESEISMIC SOLUTION
.           BISMARCK SEA
.
. 27      ADK EP      22 30 24.4              6927   24

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SEP 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
28	0 6 31.41		52.22 N 179.60 E				DEPTH = 125.0 KM			FIXED DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
28	ASD	IP	00 06 52.3	4.5	.1	2.89	94	191	-.2	
28	ASC	EP	00 06 52.5				89	200	.3	
28	ASB	IP	00 06 52.9	4.8	.1	2.92	98	195	-.0	
		ES	00 07 8.6						-.0	
28	RAT	IP C	00 06 52.9	9.3	.1	3.21	99	243	-.1	
28	4 30 5.28		51.55 N 178.79 E				DEPTH = 26.9 KM			FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
28	AND	IP	04 30 9.8				11	85	-.3	
28	ANA	IP	04 30 10.0				12	312	-.1	
28	ACF	IP	04 30 10.0				14	102	-.3	
28	ACC	IP	04 30 10.8				19	114	.1	
28	ACB	IP D	04 30 11.3				23	116	.2	
28	ACA	IP D	04 30 11.4				24	110	.2	
28	ACD	IP	04 30 11.8				28	120	.2	
28	ASC	IP	04 30 11.9				28	111	.3	
28	ACE	IP	04 30 12.2				32	123	.1	
28	ASB	IP	04 30 13.0	157.8	.1	3.95	38	124	.1	
		IS	04 30 18.3						-.2	
28	RAT	IP C	04 30 13.5				42	311	.1	
28	ASD	IP	04 30 13.6				42	115	.1	
28	SSI	IP	04 30 17.2				67	55	.3	
28	AMA	IP	04 30 28.5	57.6	.2	3.68	149	101	-.6	
28	4 46 41.54		52.24 N 178.74 W				DEPTH = 188.1 KM			FREE DEPTH SOLUTION
			DELAROF ISLANDS, ALEUTIAN ISLANDS							
28	AMA	EP	04 47 10.1	43.2	.2	3.70	109	194	-.0	
28	ASD	IP	04 47 14.0	54.2	.2	3.85	163	235	-.1	
28	ASC	IP	04 47 14.7				168	240	.1	
28	ASB	IP	04 47 14.8	98.3	.2	4.12	170	236	.0	
		IS	04 47 39.0						-.0	
28	AND	IP	04 47 15.3				176	246	.0	
28	ANA	IP	04 47 16.6				191	250	-.1	
28	5 3 56.86		51.56 N 178.79 E				DEPTH = 25.7 KM			FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
28	AND	IP	05 04 1.2				11	86	-.3	
28	ACF	IP	05 04 1.3				15	103	-.4	
28	ANA	IP	05 04 1.5				12	312	-.0	
28	ACC	IP	05 04 2.2				19	114	.0	
28	ACA	IP	05 04 2.8				24	110	.1	
28	ACB	IP	05 04 2.8				23	116	.2	
28	ACD	IP	05 04 3.3				28	120	.2	
28	ASC	IP	05 04 3.4				28	111	.3	
28	ACE	IP	05 04 3.8				32	123	.2	
28	ASB	IP	05 04 4.5				38	124	.0	
		IS	05 04 9.8						-.2	
28	RAT	IP C	05 04 4.9	74.5	.1	3.65	42	311	.0	
28	ASD	IP C	05 04 5.1				42	115	.1	
28	SSI	IP	05 04 8.8				67	55	.3	
28	AMA	IP	05 04 20.0	10.5	.1	3.24	149	101	-.7	

SEP 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
28	7 34	52.52	51.37 N 179.23 E	DEPTH = 53.4 KM		FREE DEPTH SOLUTION				
RAT ISLANDS, ALEUTIAN ISLANDS										
28	ASB	IP	07 35	.7			1	138	.0	
		IS	07 35	6.5					-.1	
28	ACE	IP	07 35	.7			6	309	.0	
28	ASD	IP D	07 35	.8	37.9	.1 3.39	8	72	.1	
28	ASC	IP	07 35	.8			11	335	-.0	
28	ACD	IP	07 35	.8			9	314	.0	
28	ACP	IP	07 35	.9			14	316	-.0	
28	ACA	IP	07 35	1.0			15	327	.0	
28	ACF	IP	07 35	1.5			24	316	.1	
28	AND	IP	07 35	1.6			29	318	-.2	
28	ANA	IP	07 35	3.5			49	306	.0	
28	SSI	IP	07 35	5.0	75.4	.1 3.86	63	23	.0	
28	AMA	IP D	07 35	11.1	15.1	.1 3.33	116	94	-.0	
.....										
.....										
28	18 5	22.89	51.41 N 178.77 E	DEPTH = 44.0 KM		FREE DEPTH SOLUTION				
RAT ISLANDS, ALEUTIAN ISLANDS										
28	ASC	IP D	18 06	30.7			28	79	-.5	
28	AND	IP C	18 06	30.7			21	38	.1	
28	ACF	IP	18 06	30.7			20	52	.1	
28	ACP	IP	18 06	30.9			23	76	.1	
28	ANA	IP D	18 06	31.1			25	343	.2	
28	ACA	IP	18 06	31.1			26	73	.2	
28	ACD	IP	18 06	31.1			26	86	.1	
28	ACF	IP	18 06	31.1			28	93	-.1	
28	ASB	IP C	18 06	31.6			34	100	-.1	
		IS	18 06	37.8					-.3	
28	ASD	IP C	18 06	32.2	189.8	.2 3.83	40	93	-.1	
28	PAT	IP	18 06	33.4	54.6	.1 3.65	52	325	-.3	
28	SSI	IP	18 06	36.7	31.0	.1 3.51	78	47	-.0	
28	AMA	IP	18 06	45.7			148	95	.3	
.....										
28	AMA	IP C	18 32	15.2	49.7	.1				
28	ASD	IP	18 32	22.2	15.1	.1 3.27				
28	ASB	IP	18 32	23.1						
		ES	18 32	35.7						
28	ASC	IP	18 32	24.9						
28	SSI	IP D	18 32	25.1	106.4	.1				
28	AND	IP	18 32	27.8						
.....										
.....										
29	3 10	18.10	51.21 N 177.42 W	DEPTH = 36.0 KM MB = 4.5		TELESEISMIC SOLUTION				
ANDREANOF ISLANDS, ALEUTIANS ISLANDS										
29	ADK	IP	03 10	32.8			91	34	-.8	4.5ML
		ES	03 10	44.9					-.0	
29	AMA	EP	03 10	35.0			118	275	-2.4	WHITE OUT
29	ASD	EP	03 10	50.6			226	276	-.2	QP. POOR TAMP
		E(S)	03 11	19.2					4.6	
29	SSI	EP	03 10	51.1			220	291	1.0	QP. WHITE OUT
29	ASB	EP	03 10	51.2	277.0	.2	232	275	-.3	QP
29	ASC	EP	03 10	52.6			239	278	.2	QP
29	AND	EP	03 10	54.9			255	280	.6	QP
29	ANA	EP	03 10	57.5			276	281	.6	QP
29	RAT	E(P)	03 11	.5	270.2	.3	301	284	.4	VQP
.....										
29	ASD	EP	06 34	14.3	3.9	.1 2.89				QP
29	ASB	EP	06 34	14.6	4.8	.1 2.99				QP
		E(S)	06 34	35.0						
29	ASC	EP	06 34	14.8						QP

SEP 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
29	9 10 42.41		51.19 N 178.64 E				DEPTH = 30.3 KM			FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
29	ACF	EPG	09 10 51.0				43	58	-.0	
29	ACB	EPG	09 10 51.2				43	46	-.2	
29	ASB	EPG	09 10 51.3	8.6	.1	2.76	46	66	-.0	
		IS	09 10 57.8						-.0	
29	AND	EPG	09 10 51.4				46	28	-.0	
29	ANA	E(P)	09 10 51.5				48	2	-.1	
29	ASC	EPG	09 10 51.6				47	50	-.1	
29	ASD	E(P)	09 10 52.2	1.7	.1	2.09	53	66	-.1	
		IS	09 10 59.5						-.1	
29	ASB	EP	10 50 27.7	7.8	.2	2.85				
		ES	10 50 46.1							
29	ASD	EP	10 50 28.9	2.2	.1	2.63				
29	AND	EP	10 50 28.9							
29	13 17 38.02		51.56 N 178.79 E				DEPTH = 21.9 KM			FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
29	AND	IPGD	13 17 42.0				11	89	-.1	
29	ACF	IPG	13 17 42.0				14	105	-.4	
29	ANA	IPGC	13 17 42.2				12	309	.0	
		ES	13 17 45.5						.3	
29	ACA	IPG	13 17 43.6				24	111	.1	
29	ACB	IPG	13 17 43.6				23	118	.2	
29	ASC	IPG	13 17 44.1				28	113	.2	
29	ACD	EPG	13 17 44.1				28	122	.2	
29	ACE	EPG	13 17 44.5				32	124	.1	
29	ASB	IPGC	13 17 45.2	25.7	.1	3.14	38	125	-.2	
		IS	13 17 50.5						-.2	
29	RAT	IPGC	13 17 45.7	27.8	.1	3.20	42	310	-.1	
29	ASD	IPGC	13 17 45.9	35.7	.1	3.32	42	116	-.0	
29	SSI	EPG	13 17 49.5	12.9	.1	3.03	66	56	.1	
		IS	13 17 57.6						-.1	
29	15 3 45.05		51.21 N 179.17 W				DEPTH = 22.4 KM			FREE DEPTH SOLUTION
			DELAROF ISLANDS, ALEUTIAN ISLANDS							
29	AMA	IPGD	15 03 49.2				9	26	.1	WHITE OUT
		E(S)	15 03 51.8						-.3	
29	ASD	IP	15 04 2.4	64.3	.1	3.90	106	281	.0	
		I(S)	15 04 14.4						-.6	
29	ASB	EP	15 04 3.3	275.5	.2	4.25	112	279	.0	
		E(S)	15 04 16.9						.4	
29	SSI	IP C	15 04 3.9				115	312	.2	WHITE OUT
29	ASC	EP	15 04 4.5				119	284	.1	
29	AND	EP	15 04 6.8				136	287	-.2	
29	ANA	EP	15 04 10.3				158	288	.1	QP
29	RAT	E(P)	15 04 13.7	99.2	.3	3.83	185	292	-.2	QP
29	18 37 57.81		51.71 N 179.71 W				DEPTH = 107.4 KM			FREE DEPTH SOLUTION
			DELAROF ISLANDS, ALEUTIAN ISLANDS							
29	SSI	IPGD	18 38 14.2	46.5	.1	3.80	53	293	-.1	
		ES	18 38 26.3						.0	
29	AMA	IPGC	18 38 14.9	54.7	.2	3.58	63	138	.0	QDIR
29	ASD	IPG	18 38 15.7	25.6	.1	3.57	75	242	-.1	
		ES	18 38 29.0						.1	
29	ASB	FPG	18 38 16.2	22.9	.1	3.54	82	242	-.2	
		IS	18 38 29.7						-.2	

SEP 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
29	ASC	IPG	18 38 16.5				83	251	.1	
29	AND	IP	18 38 17.5				94	261	.1	
29	ANA	EP	18 38 19.4				113	266	.3	
29	RAT	IP	18 38 21.1	8.2	.1	3.19	136	275	-.3	
.....										
29	19 5	28.53	51.16 N 177.67 E DEPTH = 25.0 KM					FIXED DEPTH SOLUTION		
RAT ISLANDS, ALEUTIAN ISLANDS										
29	ANA	EP	19 05 43.1				86	53	.1	
		E(S)	19 05 53.4						-.1	
29	AND	EP	19 05 45.1				100	63	.1	
29	ASB	EP	19 05 46.7	2.7	.1	2.55	112	78	-.2	POOR TAMP
		ES	19 06 .4						.1	
29	ASD	EP	19 05 48.0	2.4	.1	2.52	119	77	.0	POOR TAMP
.....										
29	19 52	45.93	52.10 N 179.99 E DEPTH = 186.5 KM					FREE DEPTH SOLUTION		
RAT ISLANDS, ALEUTIAN ISLANDS										
29	SSI	EP	19 53 11.0				36	230	.1	
29	ASD	IP	19 53 13.2	57.1	.1	4.10	91	210	-.0	
29	AND	EP	19 53 13.3				93	230	-.0	
29	ASC	IP	19 53 13.4				91	219	.2	
		ES	19 53 33.2						.0	
29	ASB	IP	19 53 13.6	244.4	.1	4.74	97	212	.0	
29	ANA	EP	19 53 14.0				105	240	-.1	
29	AMA	EP	19 53 14.4	38.5	.1	3.95	110	145	.0	
		ES	19 53 35.1						-.1	
29	RAT	EP	19 53 14.9	49.7	.1	4.07	119	254	-.1	
.....										
29	ASD	EP	21 35 26.0	2.0	.1	2.55				QP
29	ASB	EP	21 35 27.0	2.6	.1	2.69				QP
		ES	21 35 46.0							
.....										
30	3 0	23.09	52.09 N 178.79 E DEPTH = 69.0 KM					FREE DEPTH SOLUTION		
RAT ISLANDS, ALEUTIAN ISLANDS										
30	RAT	EPG	03 00 35.2	7.3	.1	2.84	45	225	.1	QP
		IS	03 00 43.6						-.2	
30	ANA	EPG	03 00 35.6				52	190	-.1	
		ES	03 00 45.0						.2	
30	AND	EPG	03 00 36.4				60	169	.1	
30	ASC	EPG	03 00 37.7				74	160	-.0	
30	ASD	EPG	03 00 38.9	2.0	.1	2.39	86	154	-.1	
.....										
30	5 11	25.21	51.63 N 179.41 E DEPTH = 120.1 KM					FREE DEPTH SOLUTION		
RAT ISLANDS, ALEUTIAN ISLANDS										
30	ASD	IPG	05 11 41.9	5.5	.1	2.88	27	190	-.1	
30	ASC	EPG	05 11 42.0				25	223	.1	
		ES	05 11 54.2						.1	
30	AND	EPG	05 11 42.1				32	257	-.1	
30	ASB	IPG	05 11 42.2	5.1	.1	2.85	32	201	.1	
		ES	05 11 54.4						-.1	
30	ANA	EPG	05 11 43.0				52	270	-.0	

SEP 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
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30	7	4	31.97	51.43 N	178.84 E	DEPTH = 43.8 KM	FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
30	AND	EPG	07 04 39.3				17	26	-.1	
30	ACF	EPG	07 04 39.4				15	43	.1	
30	ACB	EPG	07 04 39.6				18	76	.1	
30	ACA	EPG	07 04 39.7				20	72	.1	
30	ACD	EPG	07 04 39.7				20	89	.1	
30	ACE	EPG	07 04 39.7				23	97	-.1	
30	ANA	EPG	07 04 39.9				26	331	-.1	
30	ASC	EPG	07 04 40.0				23	79	.2	
30	ASB	EPG	07 04 40.2	1.8	.1	2.06	29	104	-.1	
		ES	07 04 46.0						-.3	
30	ASD	EPG	07 04 40.8	1.8	.1	2.09	35	96	-.0	
		IS	07 04 47.3						.0	
30	SSI	E(P)	07 04 45.2				73	44	-.0	

30	ADK	EP	08 27 28.2	103.3	.9					6.3MS
		ES	08 35 14.0							

30	11	52	34.51	51.11 N	179.65 E	DEPTH = 33.5 KM MB = 5.0	FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
30	ACF	IPGC	11 52 44.1				49	48	.0	LARGE LOCAL
30	ACD	IPGC	11 52 44.2				49	43	.1	
30	ASB	IPGC	11 52 44.2				50	55	-.1	
30	ACC	EPG	11 52 44.3				50	33	.0	FELT INT IV ON
30	ACB	IPGD	11 52 44.4				50	38	.2	AMCHITKA
30	ACF	IPG	11 52 44.6				53	27	.0	
30	ACA	IPG	11 52 44.7				53	38	.1	
30	ASC	IPGC	11 52 44.7				54	42	.0	
30	AND	IPGD	11 52 44.8				55	22	-.1	
30	ASD	IPGC	11 52 45.0				58	56	-.3	OL ALL STATIONS
30	ANA	IPGD	11 52 45.4				58	1	.1	
30	RAT	IPGD	11 52 48.3				80	344	-.1	
30	SSI	IPGD	11 52 52.5				109	36	-.1	
30	AMA	EPGD	11 52 59.0				158	82	.1	QDIR
30	ADK	IP	11 53 22.6				335	73	1.8	FELT AMCHITKA
		ES	11 53 58.3						3.7	
30	SMY	EP	11 53 26.0				361	302	2.0	
30	NIK	EP	11 54 30.6				880	71	2.5	
30	GMA	EP	11 56 41.5				1975	28	-1.8	

30	SSI	EP	13 54 41.7	2.2	.1					
30	ASD	EP	13 54 44.9	2.5	.1					
30	ASB	EP	13 54 45.6	4.4	.1					NO S VISIBLE
30	ANA	EP	13 54 49.0							

30	14	5	37.55	52.23 N	179.93 E	DEPTH = 236.1 KM	FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
30	SSI	E(P)	14 06 8.8	3.9	.1	3.00	44	212	.0	
30	AND	EP	14 06 10.7				100	223	-.1	
30	ASD	EP	14 06 10.9	22.8	.1	3.79	102	204	-.0	
30	ASC	EP	14 06 11.0				100	212	.1	
30	ASB	EP	14 06 11.3	37.2	.1	4.01	107	206	.1	
		ES	14 06 35.8						-.0	
30	ANA	EP	14 06 11.3				110	233	-.1	
30	AMA	EP	14 06 12.1	30.3	.1	3.93	124	147	-.0	

SEP 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
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30	14 54	55.25	52.63 N 179.81 W	DEPTH = 75.0 KM		FIXED DEPTH SOLUTION				
DELAROF ISLANDS, ALEUTIAN ISLANDS										
30	ASD	EP	14 55 19.7	2.0	.1	2.56	149	203	.1	
30	ASC	EP	14 55 19.7				147	209	.3	
30	ASR	EP	14 55 19.9	2.7	.1	2.71	155	205	-.4	
		ES	14 55 37.8						.0	
30	ANA	EP	14 55 19.9				153	224	-.1	
30	RAT	EP	14 55 20.5	4.6	.1	2.94	157	235	.0	

30	16 3 49.26	51.20 N 178.75 E	DEPTH = 25.0 KM		FIXED DEPTH SOLUTION					
RAT ISLANDS, ALEUTIAN ISLANDS										
30	ACE	EPG	16 03 55.5				37	53	-.1	
30	ASR	IPG	16 03 55.7	3.0	.1	2.23	39	63	-.1	
		ES	16 04 1.1						-.2	
30	ACR	EPG	16 03 55.7				37	39	.1	
30	ACA	EPG	16 03 56.0				40	40	-.0	
30	ACF	EPG	16 03 56.0				40	25	.0	
30	AND	IPG	16 03 56.2				42	19	-.1	
30	ASD	EPG	16 03 56.7				46	63	-.2	QP
30	ASC	EPG	16 03 56.9				41	45	.8	QP
30	ANA	EPG	16 03 56.9				47	352	-.1	QP

30	ANA	EPG	17 23 46.3							
		ES	17 23 55.0							
30	AND	EPG	17 23 48.1							

30	19 37 41.97	52.46 N 178.69 E	DEPTH = 131.3 KM		FREE DEPTH SOLUTION					
PAT ISLANDS, ALEUTIAN ISLANDS										
30	AND	EP	19 38 4.3				101	170	-.0	QS
		ES	19 38 20.6						-.0	
30	ASD	EP	19 38 6.5	1.3	.1	2.40	127	159	-.0	
30	ASR	EP	19 38 6.6	1.0	.1	2.30	128	163	-.0	

30	19 49 35.83	51.23 N 179.45 W	DEPTH = 27.8 KM		FREE DEPTH SOLUTION					
DELAROF ISLANDS, ALEUTIAN ISLANDS										
30	AMA	EPG	19 49 42.1	33.3	.1	3.18	25	75	.2	
		IS	19 49 46.0						-.4	
30	ASD	IPG	19 49 50.3	13.7	.1	3.16	86	282	-.0	
30	ASR	IPG	19 49 51.2	52.0	.1	3.76	92	280	.0	
		ES	19 50 2.3						-.1	
30	ASC	IPG	19 49 52.6				100	285	.2	
30	SSI	IPGC	19 49 52.6	90.9	.1	4.03	99	318	.3	POOR TAMP
		ES	19 50 4.1						-.2	
30	AND	IP	19 49 54.8				117	289	-.1	
30	ANA	EP	19 49 58.0				138	289	-.1	
30	RAT	EP	19 50 1.7	10.4	.1	3.28	166	293	-.1	QP

30	21 5 31.00	51.63 N 179.75 E	DEPTH = 76.8 KM		FREE DEPTH SOLUTION					
RAT ISLANDS, ALEUTIAN ISLANDS										
30	ASD	IP	21 05 43.2	7.3	.1	2.86	39	228	-.1	
		ES	21 05 52.2						-.1	
30	ASB	IP	21 05 43.7				46	230	-.1	
		ES	21 05 53.2						.1	
30	ASC	IP	21 05 43.9				45	246	.2	
30	ACE	EPG	21 05 43.9				47	238	-.0	

SEP 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
. 30	ACD	IP	21 05 44.0				48	243	.0	
. 30	ACA	IP	21 05 44.1				47	250	.2	
. 30	ACB	IP	21 05 44.1				49	249	.0	
. 30	ACF	EPG	21 05 44.3				54	258	-.1	
. 30	AND	IP	21 05 44.4				56	263	-.2	
. 30	ANA	IP	21 05 46.3				75	270	-.0	
.....										
. 30	21 19 25.60	22.40 S	179.60 E	DEPTH = 585.0 KM				MB = 4.9	TELESEISMIC SOLUTION	
SOUTH OF FIJI ISLANDS										
. 30	ASB	EP	21 30 0.0	14.0	.4		8166	360		TELE
. 30	AMA	EP	21 30 0.0				8159	1		OP
. 30	ASD	EP	21 30 .1	18.5	.5		8169	360		
. 30	ASC	EP	21 30 .8				8178	360		
. 30	AND	EP	21 30 1.2				8189	360		
. 30	ANA	EP	21 30 1.6				8196	359		
. 30	RAT	EP	21 30 2.5	7.6	.3		8216	359		
. 30	SSI	EP	21 30 3.2	25.1	.4		8225	360		
. 30	ADK	EP D	21 30 3.1	115.0	.7		8232	2		
.....										
. 30	ADK	EP D	21 36 49.5	392.0	1.0					
. 30	AMA	EP	22 10 48.4	23.3	.2	2.95				QS
	ES		22 10 55.4							
. 30	ASD	EP	22 11 3.4	1.5	.1					
. 30	SSI	EP	22 11 4.2	3.7	.1					
. 30	ASB	EP	22 11 4.5	2.0	.1					
. 30	ASC	EP	22 11 5.7							
.....										
. 30	22 30 41.52	51.87 N	179.09 E	DEPTH = 0.0 KM				FIXED DEPTH SOLUTION		
RAT ISLANDS, ALEUTIAN ISLANDS										
. 30	SSI	IPG	22 30 47.9	4.5	.1	2.29	34	86	.2	
	ES		22 30 52.1						-.1	
. 30	ASD	IPG	22 30 51.2	2.7	.1	2.26	56	162	-.6	
. 30	ASB	IPG	22 30 52.4	2.8	.1	2.29	58	169	.3	
	IS		22 31 .1						.3	
.....										
. 30	23 31 41.11	51.55 N	179.38 E	DEPTH = 18.9 KM				FREE DEPTH SOLUTION		
RAT ISLANDS, ALEUTIAN ISLANDS										
. 30	ASD	IPG	23 31 45.3	4.6	.1	2.18	18	188	-.2	
	IS		23 31 48.6						-.2	
. 30	ASC	IPG	23 31 45.7				18	237	.2	
. 30	ACA	EPG	23 31 45.9				20	247	.2	
. 30	ASB	IPG	23 31 46.1	5.1	.1	2.28	23	204	-.1	
	IS		23 31 49.8						-.0	
. 30	ACE	EPG	23 31 46.1				22	221	.1	
. 30	ACF	EPG	23 31 46.1				27	264	-.6	
. 30	ACB	EPG	23 31 46.2				22	244	.1	
. 30	ACC	EPG	23 31 46.2				24	253	-.1	
. 30	ACD	EPG	23 31 46.5				22	231	.5	
. 30	AND	EPG	23 31 47.0				29	273	-.0	
. 30	SSI	IPG	23 31 48.7	8.1	.1	2.65	41	21	.1	
	ES		23 31 54.1						-.0	
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SEP 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
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. 30	23 42 35.64	51.17 N 178.99 E	DEPTH = 25.0 KM	FIXED DEPTH SOLUTION						
RAT ISLANDS, ALEUTIAN ISLANDS										
. 30	ASB	IP C	23 42 41.7	49.2	.1	3.36	28	40	-.1	
.		IS	23 42 46.3						.0	
. 30	ASD	IP C	23 42 42.0	22.0	.1	3.07	35	45	-.7	
. 30	ASC	IP	23 42 43.1				35	20	.4	
. 30	AND	IP	23 42 44.5				44	357	.6	
. 30	ANA	IP	23 42 46.0				56	336	.4	
. 30	RAT	IP	23 42 49.0	27.3	.1	3.44	84	327	-.7	
. 30	SSI	IP	23 42 50.4	46.1	.1	3.70	90	27	-.3	
. 30	AMA	EP	23 42 57.4	30.3	.1	3.66	133	84	.3	

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SEP 1971	ORIGIN TIME (GMT)	LAT	LONG	DEPTH* (KM)	MB	MS	GEOGRAPHIC REGION
01	5 21 3.67	51.06 N	179.94 W	25.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
01	9 36 3.16	51.14 N	179.04 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
01	11 16 43.04	51.50 N	179.17 E	64.3 F			RAT ISLANDS, ALEUTIAN ISLANDS
01	13 17 10.41	51.30 N	179.63 W	25.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
01	14 45 55.26	51.43 N	179.32 E	27.5 F			RAT ISLANDS, ALEUTIAN ISLANDS
01	15 18 11.96	51.75 N	179.77 E	50.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
01	15 26 32.84	50.97 N	179.82 E	24.6 F			RAT ISLANDS, ALEUTIAN ISLANDS
01	17 45 30.00	51.98 N	174.26 E	72.0 T	4.3		RAT ISLANDS, ALEUTIAN ISLANDS
01	19 17 35.53	51.64 N	179.71 E	16.5 F			RAT ISLANDS, ALEUTIAN ISLANDS
01	20 17 37.40	5.54 S	152.89 E	34.0 T	5.2		NEW BRITAIN REGION
01	23 4 15.61	51.25 N	178.47 E	60.3 F			RAT ISLANDS, ALEUTIAN ISLANDS
01	23 3 47.30	5.68 S	152.76 E	36.0 T	4.8		NEW BRITAIN REGION
01	23 52 21.09	51.20 N	179.67 E	43.4 F			RAT ISLANDS, ALEUTIAN ISLANDS
02	2 48 49.57	51.77 N	177.54 E	75.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
02	6 2 53.95	51.63 N	178.87 E	75.0 F			RAT ISLANDS, ALEUTIAN ISLANDS
02	6 12 46.76	51.13 N	179.34 E	27.3 F			RAT ISLANDS, ALEUTIAN ISLANDS
02	6 33 20.70	11.07 S	166.30 E	175.0 T	5.4		SANTA CRUZ ISLANDS
02	8 34 50.31	51.98 N	179.68 E	190.9 F			RAT ISLANDS, ALEUTIAN ISLANDS
02	9 2 16.83	51.23 N	179.52 E	34.1 F			RAT ISLANDS, ALEUTIAN ISLANDS
02	12 32 17.68	51.44 N	178.83 E	36.1 F			RAT ISLANDS, ALEUTIAN ISLANDS
02	13 8 11.46	51.10 N	179.33 W	29.4 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
02	13 19 43.67	51.47 N	179.84 E	70.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
02	13 52 32.16	51.19 N	179.59 W	75.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
02	15 53 11.59	52.30 N	175.18 E	75.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
02	15 55 41.85	50.36 N	177.16 E	0.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
02	18 16 27.08	51.90 N	178.63 E	88.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
02	18 22 10.39	51.53 N	179.57 E	16.6 F			RAT ISLANDS, ALEUTIAN ISLANDS
02	18 33 29.44	51.84 N	177.31 E	84.4 F			RAT ISLANDS, ALEUTIAN ISLANDS
02	18 36 10.92	51.58 N	177.99 E	60.9 F			RAT ISLANDS, ALEUTIAN ISLANDS
02	23 51 58.19	52.22 N	179.87 E	166.8 F			RAT ISLANDS, ALEUTIAN ISLANDS
03	15 32 38.91	51.13 N	179.52 W	33.2 F			DELAROF ISLANDS, ALEUTIAN ISLANDS

SEP 1971	ORIGIN TIME (GMT)	LAT	LONG	DEPTH* (KM)	MB	MS	GEOGRAPHIC REGION
03	15 54 41.50	51.93 N	178.83 E	134.1 F			RAT ISLANDS, ALEUTIAN ISLANDS
03	15 55 46.85	51.24 N	178.65 E	32.9 F			RAT ISLANDS, ALEUTIAN ISLANDS
03	20 2 28.54	52.15 N	178.16 E	146.9 F			RAT ISLANDS, ALEUTIAN ISLANDS
03	21 33 5.34	51.18 N	179.06 E	43.5 F			RAT ISLANDS, ALEUTIAN ISLANDS
03	21 54 35.60	51.70 N	178.73 E	75.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
04	0 59 7.00	51.09 N	177.07 W	23.0 T	4.0		ANDREANOF ISLANDS, ALEUTIANS ISLANDS
04	1 25 2.12	51.45 N	179.31 E	63.0 F			RAT ISLANDS, ALEUTIAN ISLANDS
04	1 40 57.50	51.12 N	179.20 E	28.0 F			RAT ISLANDS, ALEUTIAN ISLANDS
04	6 10 15.76	51.18 N	179.05 E	44.0 F			RAT ISLANDS, ALEUTIAN ISLANDS
04	7 29 43.79	50.22 N	177.38 E	2.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
04	10 41 49.69	51.69 N	179.98 E	101.1 F			RAT ISLANDS, ALEUTIAN ISLANDS
04	11 0 44.23	51.54 N	178.87 E	64.1 F			RAT ISLANDS, ALEUTIAN ISLANDS
04	15 53 25.40	54.98 N	163.36 W	107.0 T	5.8		UNIMAK ISLAND REGION
04	16 46 43.00	2.58 S	139.43 E	47.0 T	5.4		NEAR N. COAST OF WEST NEW GUINEA
04	21 23 52.41	51.17 N	178.57 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
05	2 37 19.71	51.05 N	179.36 W	32.4 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
05	4 33 51.77	50.64 N	178.28 E	25.3 F			RAT ISLANDS, ALEUTIAN ISLANDS
05	5 48 52.54	51.51 N	178.85 E	76.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
05	6 50 9.48	51.64 N	179.41 E	77.4 F			RAT ISLANDS, ALEUTIAN ISLANDS
05	7 0 7.40	51.45 N	175.75 E	75.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
05	7 21 12.12	52.03 N	179.46 W	25.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
05	8 21 10.06	51.87 N	177.78 E	83.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
05	9 4 37.14	51.24 N	178.72 E	28.5 F			RAT ISLANDS, ALEUTIAN ISLANDS
05	11 17 29.84	51.69 N	179.97 W	85.1 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
05	13 44 23.81	51.47 N	178.33 E	51.5 F			RAT ISLANDS, ALEUTIAN ISLANDS
05	14 2 25.41	51.16 N	178.67 E	0.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
05	14 55 21.00	55.95 N	165.09 E	33.0 T	5.1	4.9	KOMANDORSKY ISLANDS REGION
05	18 4 51.16	51.57 N	177.90 E	76.0 F	4.1		RAT ISLANDS, ALEUTIAN ISLANDS
05	18 35 25.00	46.50 N	141.17 E	9.0 T	6.3	7.1	SAKHALIN ISLAND
05	19 33 47.20	46.40 N	141.17 E	15.0 T	5.5	6.3	SAKHALIN ISLAND
05	20 12 20.39	51.25 N	177.26 W	0.0 D			ANDREANOF ISLANDS, ALEUTIANS ISLANDS

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SEP 1971	ORIGIN TIME (GMT)	LAT	LONG	DEPTH* (KM)	MB	MS	GEOGRAPHIC REGION
05	22 17 32.86	51.23 N	178.77 E	28.5 F			RAT ISLANDS, ALEUTIAN ISLANDS
05	23 30 46.95	51.71 N	179.24 W	24.2 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
06	2 24 18.25	51.42 N	178.80 E	45.6 F			RAT ISLANDS, ALEUTIAN ISLANDS
06	3 32 34.66	51.68 N	178.82 E	80.1 F			RAT ISLANDS, ALEUTIAN ISLANDS
06	6 22 1.57	51.32 N	177.14 E	0.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
06	6 45 59.00	46.37 N	141.13 E	16.0 T	5.7	5.3	SAKHALIN ISLAND
06	8 41 50.89	52.08 N	179.69 E	175.1 F			RAT ISLANDS, ALEUTIAN ISLANDS
06	12 38 46.28	51.41 N	178.58 E	52.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
06	13 37 10.80	46.74 N	141.36 E	29.0 T	6.1	5.5	SAKHALIN ISLAND
06	14 23 8.19	50.95 N	179.23 E	17.7 F			RAT ISLANDS, ALEUTIAN ISLANDS
06	15 38 49.04	51.00 N	175.60 W	150.0 D			ANDREANOF ISLANDS, ALEUTIANS ISLANDS
06	17 18 35.75	51.19 N	178.33 E	19.8 F			RAT ISLANDS, ALEUTIAN ISLANDS
06	20 17 38.84	51.91 N	179.26 E	153.9 F			RAT ISLANDS, ALEUTIAN ISLANDS
06	20 24 13.72	51.18 N	178.67 E	26.5 F			RAT ISLANDS, ALEUTIAN ISLANDS
06	21 12 2.45	50.33 N	177.48 E	4.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
06	22 33 56.80	51.59 N	178.84 E	68.3 F			RAT ISLANDS, ALEUTIAN ISLANDS
06	23 30 26.42	51.72 N	179.91 W	90.6 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
06	23 35 32.10	5.81 S	146.65 E	116.0 T	5.2		EAST NEW GUINEA REGION
06	23 50 44.80	51.17 N	179.47 W	75.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
07	1 25 40.36	51.40 N	177.89 W	0.0 D			ANDREANOF ISLANDS, ALEUTIANS ISLANDS
07	3 14 12.70	52.64 N	169.78 W	46.0 T	4.2		FOX ISLANDS, ALEUTIAN ISLANDS
07	8 35 28.40	52.17 N	179.52 W	150.1 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
07	11 41 47.89	51.13 N	179.48 W	37.4 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
07	12 42 5.26	50.41 N	178.45 E	100.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
07	16 43 22.05	50.67 N	177.23 E	7.3 F			RAT ISLANDS, ALEUTIAN ISLANDS
07	20 23 17.15	51.43 N	179.84 W	25.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
08	3 39 54.46	53.25 N	176.29 E	150.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
08	6 0 22.62	51.23 N	178.46 E	26.9 F			RAT ISLANDS, ALEUTIAN ISLANDS
08	11 48 23.40	46.38 N	141.15 E	6.0 T	5.9	6.6	SAKHALIN ISLAND
08	13 32 29.53	51.88 N	178.62 E	109.9 F			RAT ISLANDS, ALEUTIAN ISLANDS
08	16 59 52.60	46.25 N	140.94 E	16.0 T	5.9	6.2	NEAR E. COAST OF EASTERN RUSSIA

SEP 1971	ORIGIN TIME (GMT)	LAT	LONG	DEPTH* (KM)	MB	MS	GEOGRAPHIC REGION
08	20 38 25.49	51.24 N	180.00 E	57.5 F			RAT ISLANDS, ALEUTIAN ISLANDS
08	21 25 54.78	51.45 N	179.03 E	21.1 F			RAT ISLANDS, ALEUTIAN ISLANDS
09	0 20 .66	51.41 N	179.29 E	54.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
09	1 57 40.41	51.56 N	178.44 E	33.4 F			RAT ISLANDS, ALEUTIAN ISLANDS
09	2 56 30.15	51.29 N	179.79 W	32.5 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
09	6 33 3.07	51.37 N	178.75 E	46.8 F			RAT ISLANDS, ALEUTIAN ISLANDS
09	6 58 45.68	50.96 N	179.87 E	34.1 F			RAT ISLANDS, ALEUTIAN ISLANDS
09	8 54 .23	51.58 N	179.89 W	73.2 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
09	11 41 41.05	51.73 N	179.67 E	104.7 F			RAT ISLANDS, ALEUTIAN ISLANDS
09	13 33 27.40	51.86 N	179.66 W	101.1 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
09	15 22 54.44	50.97 N	178.78 E	29.8 F			RAT ISLANDS, ALEUTIAN ISLANDS
09	19 43 29.39	51.99 N	179.75 E	143.6 F			RAT ISLANDS, ALEUTIAN ISLANDS
09	23 1 6.80	44.44 N	150.86 E	7.0 T	6.0	5.9	KURIL ISLANDS REGION
10	3 12 26.14	51.52 N	179.41 E	22.1 F			RAT ISLANDS, ALEUTIAN ISLANDS
10	6 13 58.51	51.96 N	179.64 W	75.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
10	6 22 24.53	51.13 N	175.29 E	75.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
10	6 27 45.51	51.21 N	175.45 E	50.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
10	6 28 51.10	20.43 S	174.20 W	33.0 T	5.8	5.8	TONGA ISLANDS
10	7 35 51.39	51.40 N	178.76 E	46.9 F			RAT ISLANDS, ALEUTIAN ISLANDS
10	10 53 49.40	51.65 N	179.57 E	95.1 F			RAT ISLANDS, ALEUTIAN ISLANDS
10	11 12 38.53	51.66 N	179.52 E	80.5 F			RAT ISLANDS, ALEUTIAN ISLANDS
10	13 52 41.80	18.15 S	179.59 W	672.0 T	5.2		FIJI ISLANDS REGION
10	15 37 1.34	51.18 N	179.69 E	32.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
10	19 13 37.65	51.33 N	179.99 E	26.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
10	20 17 46.33	51.55 N	178.78 E	18.4 F			RAT ISLANDS, ALEUTIAN ISLANDS
11	2 58 55.50	51.43 N	178.78 E	44.5 F			RAT ISLANDS, ALEUTIAN ISLANDS
11	4 47 12.17	52.31 N	179.39 E	176.0 F			RAT ISLANDS, ALEUTIAN ISLANDS
11	5 25 44.00	50.19 N	178.72 W	33.0 T			DELAROF ISLANDS, ALEUTIAN ISLANDS
11	7 51 34.59	51.46 N	179.84 E	65.9 F			RAT ISLANDS, ALEUTIAN ISLANDS
11	7 54 3.99	51.65 N	179.71 E	157.6 F			RAT ISLANDS, ALEUTIAN ISLANDS
11	8 22 56.67	51.34 N	179.63 W	50.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS

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SEP 1971	ORIGIN TIME (GMT)	LAT	LONG	DEPTH* (KM)	MB	MS	GEOGRAPHIC REGION
11	12 13 12.19	51.75 N	179.59 W	78.5 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
11	18 22 38.30	51.56 N	178.75 E	16.3 F			RAT ISLANDS, ALEUTIAN ISLANDS
12	0 34 55.05	51.46 N	178.80 E	41.1 F			RAT ISLANDS, ALEUTIAN ISLANDS
12	1 44 4.16	51.43 N	178.85 E	42.0 F			RAT ISLANDS, ALEUTIAN ISLANDS
12	5 6 16.33	50.34 N	175.72 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
12	8 6 54.10	26.76 S	177.11 W	101.0 T	5.8		SOUTH OF FIJI ISLANDS
12	15 27 15.04	51.22 N	178.85 E	40.8 F			RAT ISLANDS, ALEUTIAN ISLANDS
12	16 41 50.20	26.58 S	177.73 W	130.0 T	4.8		SOUTH OF FIJI ISLANDS
12	17 15 33.71	51.09 N	179.25 W	150.9 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
12	18 53 45.34	50.17 N	179.46 E	26.7 F			RAT ISLANDS, ALEUTIAN ISLANDS
12	18 56 7.60	51.58 N	178.80 E	20.7 F			RAT ISLANDS, ALEUTIAN ISLANDS
12	20 12 32.22	51.18 N	178.85 E	24.6 F			RAT ISLANDS, ALEUTIAN ISLANDS
12	20 13 57.50	17.51 S	168.66 E	229.0 T	5.0		NEW HEBRIDES ISLANDS
13	4 14 24.83	51.40 N	179.19 E	21.4 F			RAT ISLANDS, ALEUTIAN ISLANDS
13	9 5 8.84	52.03 N	178.70 W	75.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
13	11 15 5.43	50.96 N	178.26 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
13	14 31 51.11	51.18 N	179.52 E	35.9 F			RAT ISLANDS, ALEUTIAN ISLANDS
13	17 14 27.54	50.93 N	178.23 E	12.4 F			RAT ISLANDS, ALEUTIAN ISLANDS
14	1 52 34.00	50.57 N	173.98 E	75.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
14	3 3 39.20	7.37 S	155.98 E	46.0 T	5.7	5.9	SOLOMON ISLANDS
14	3 47 25.70	51.86 N	179.55 W	111.3 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
14	5 20 29.30	6.47 S	151.54 E	33.0 T	6.1	6.3	NEW BRITAIN REGION
14	6 36 40.99	51.56 N	178.79 E	20.7 F			RAT ISLANDS, ALEUTIAN ISLANDS
14	7 53 32.35	52.44 N	179.77 E	148.0 F			RAT ISLANDS, ALEUTIAN ISLANDS
14	11 29 53.46	51.07 N	179.36 E	28.9 F			RAT ISLANDS, ALEUTIAN ISLANDS
14	11 31 35.96	51.11 N	179.39 E	32.3 F			RAT ISLANDS, ALEUTIAN ISLANDS
14	14 7 55.10	20.53 S	174.30 W	33.0 T	5.2		TONGA ISLANDS
14	16 26 15.30	51.09 N	178.19 W	36.0 T			ANDREANOF ISLANDS, ALEUTIANS ISLANDS
14	17 20 17.79	52.07 N	179.97 W	161.4 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
14	20 19 8.41	51.71 N	178.87 E	22.0 F			RAT ISLANDS, ALEUTIAN ISLANDS
14	23 56 8.18	51.39 N	178.78 E	39.3 F			RAT ISLANDS, ALEUTIAN ISLANDS

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SEP 1971	ORIGIN TIME (GMT)	LAT	LONG	DEPTH* (KM)	MB	MS	GEOGRAPHIC REGION
15	4 45 27.65	51.62 N	178.90 E	26.6 F			RAT ISLANDS, ALEUTIAN ISLANDS
15	11 47 21.04	51.54 N	179.51 W	70.1 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
15	14 55 5.30	39.11 N	143.45 E	17.0 T	5.8	6.0	OFF EAST COAST OF HONSHU, JAPAN
15	15 55 12.57	52.09 N	179.12 E	133.3 F			RAT ISLANDS, ALEUTIAN ISLANDS
16	6 22 37.60	5.92 S	130.65 E	115.0 T	6.2		BANDA SEA
16	6 50 2.13	51.10 N	179.44 W	33.0 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
16	12 4 .91	50.42 N	177.64 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
16	14 14 46.91	51.18 N	179.25 E	31.6 F			RAT ISLANDS, ALEUTIAN ISLANDS
16	16 57 21.40	50.54 N	178.01 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
16	21 17 14.99	51.05 N	179.52 W	25.0 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
16	22 32 50.02	51.12 N	179.89 E	27.4 F			RAT ISLANDS, ALEUTIAN ISLANDS
16	22 41 51.96	51.25 N	177.47 E	0.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
16	23 27 45.40	51.79 N	175.64 W	63.0 T	4.6		ANDREANOF ISLANDS, ALEUTIANS ISLANDS
17	4 41 33.14	50.24 N	177.79 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
17	7 11 52.48	51.59 N	179.31 W	83.1 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
17	8 1 15.04	51.41 N	178.80 E	45.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
17	12 28 39.24	51.32 N	178.51 E	29.0 F			RAT ISLANDS, ALEUTIAN ISLANDS
18	2 12 39.27	51.84 N	178.64 E	115.9 F	4.6		RAT ISLANDS, ALEUTIAN ISLANDS
18	7 37 51.06	51.24 N	179.19 E	40.6 F			RAT ISLANDS, ALEUTIAN ISLANDS
18	7 46 28.49	51.56 N	178.80 E	21.6 F			RAT ISLANDS, ALEUTIAN ISLANDS
18	12 11 8.57	51.81 N	179.40 E	118.6 F			RAT ISLANDS, ALEUTIAN ISLANDS
18	14 25 31.85	51.50 N	178.34 E	51.8 F			RAT ISLANDS, ALEUTIAN ISLANDS
18	16 10 48.48	51.48 N	178.60 E	59.4 F			RAT ISLANDS, ALEUTIAN ISLANDS
18	18 31 49.25	51.59 N	178.80 E	21.9 F			RAT ISLANDS, ALEUTIAN ISLANDS
19	3 35 54.71	51.34 N	179.84 W	26.8 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
19	3 41 36.02	51.92 N	177.55 E	92.1 F			RAT ISLANDS, ALEUTIAN ISLANDS
19	7 36 15.93	51.86 N	178.83 E	98.8 F			RAT ISLANDS, ALEUTIAN ISLANDS
19	9 24 7.30	51.77 N	176.94 W	57.0 T	4.2		ANDREANOF ISLANDS, ALEUTIANS ISLANDS
19	9 44 33.56	51.85 N	178.62 E	106.5 F			RAT ISLANDS, ALEUTIAN ISLANDS
19	10 0 19.30	21.30 S	178.49 W	545.0 T	5.4		FIJI ISLANDS REGION
19	11 55 46.19	51.45 N	178.67 E	0.0 F			RAT ISLANDS, ALEUTIAN ISLANDS

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SEP 1971	ORIGIN TIME (GMT)	LAT	LONG	DEPTH* (KM)	MB	MS	GEOGRAPHIC REGION
19	12 59 52.83	51.28 N	179.46 E	25.0 F			RAT ISLANDS, ALEUTIAN ISLANDS
19	14 40 53.20	51.73 N	176.31 E	100.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
19	15 27 8.47	51.86 N	178.63 W	106.6 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
19	18 21 28.31	51.51 N	179.60 E	60.0 F			RAT ISLANDS, ALEUTIAN ISLANDS
19	20 5 53.27	51.87 N	179.95 W	80.2 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
20	1 22 4.67	51.34 N	179.89 E	28.7 F			RAT ISLANDS, ALEUTIAN ISLANDS
20	2 7 20.82	51.35 N	179.43 E	19.7 F			RAT ISLANDS, ALEUTIAN ISLANDS
20	3 13 20.24	51.13 N	179.72 E	33.8 F			RAT ISLANDS, ALEUTIAN ISLANDS
20	3 36 40.83	51.50 N	179.64 E	72.4 F			RAT ISLANDS, ALEUTIAN ISLANDS
20	5 34 45.80	51.29 N	179.92 E	13.6 F			RAT ISLANDS, ALEUTIAN ISLANDS
20	6 44 14.20	56.37 N	153.00 W	33.0 T	5.2	5.3	KODIAK ISLAND REGION
20	8 17 18.57	51.47 N	179.74 E	59.1 F			RAT ISLANDS, ALEUTIAN ISLANDS
20	8 43 56.20	51.95 N	179.40 E	140.8 F			RAT ISLANDS, ALEUTIAN ISLANDS
20	8 59 44.54	52.03 N	178.46 E	136.3 F			RAT ISLANDS, ALEUTIAN ISLANDS
20	11 54 50.19	52.00 N	179.61 E	188.1 F			RAT ISLANDS, ALEUTIAN ISLANDS
20	12 0 9.86	51.29 N	179.79 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
20	12 51 44.99	51.42 N	178.92 W	112.1 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
20	12 58 41.29	51.32 N	178.04 E	50.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
20	13 32 58.62	51.41 N	178.77 E	47.3 F			RAT ISLANDS, ALEUTIAN ISLANDS
20	13 44 15.93	52.26 N	178.51 E	125.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
20	14 40 2.95	50.44 N	178.03 E	50.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
20	15 20 23.39	51.46 N	178.73 E	0.0 F			RAT ISLANDS, ALEUTIAN ISLANDS
20	15 21 53.52	51.17 N	179.87 E	39.5 F			RAT ISLANDS, ALEUTIAN ISLANDS
20	16 9 29.10	51.20 N	178.68 E	32.0 F			RAT ISLANDS, ALEUTIAN ISLANDS
20	16 51 3.14	51.64 N	178.10 W	64.6 F			ANDREANOF ISLANDS, ALEUTIANS ISLANDS
20	18 20 7.07	51.71 N	178.86 E	0.0 F			RAT ISLANDS, ALEUTIAN ISLANDS
20	19 9 23.40	52.08 N	175.87 W	150.0 T			ANDREANOF ISLANDS, ALEUTIANS ISLANDS
20	20 54 13.90	56.40 N	153.07 W	37.0 T	4.8	4.8	KODIAK ISLAND REGION
20	22 29 4.64	51.28 N	179.87 W	25.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
20	22 48 32.39	51.00 N	179.85 E	15.3 F			RAT ISLANDS, ALEUTIAN ISLANDS
20	23 6 37.83	51.35 N	179.90 E	64.0 F			RAT ISLANDS, ALEUTIAN ISLANDS

SEP 1971	ORIGIN TIME (GMT)	LAT	LONG	DEPTH* (KM)	MB	MS	GEOGRAPHIC REGION
20	23 14 58.87	51.72 N	177.95 E	72.4 F			RAT ISLANDS, ALEUTIAN ISLANDS
20	23 19 59.14	51.63 N	178.85 E	21.9 F			RAT ISLANDS, ALEUTIAN ISLANDS
20	23 41 45.67	51.50 N	179.18 E	148.7 F			RAT ISLANDS, ALEUTIAN ISLANDS
21	0 13 27.49	51.13 N	179.89 W	50.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
21	5 35 2.61	51.46 N	179.67 E	16.6 F			RAT ISLANDS, ALEUTIAN ISLANDS
21	7 14 24.25	50.62 N	177.14 E	1.4 F			RAT ISLANDS, ALEUTIAN ISLANDS
21	11 3 41.02	52.18 N	179.91 W	205.4 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
21	15 33 47.23	51.77 N	179.47 W	93.7 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
21	16 8 44.79	51.07 N	178.97 W	0.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
21	20 26 29.59	51.89 N	178.57 W	106.6 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
22	4 10 56.83	51.24 N	179.56 W	20.0 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
22	16 25 12.00	51.48 N	177.29 W	48.0 T	4.2		ANDREANOF ISLANDS, ALEUTIANS ISLANDS
22	17 14 14.18	51.70 N	178.63 W	0.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
22	22 12 1.57	51.00 N	178.45 E	30.5 F			RAT ISLANDS, ALEUTIAN ISLANDS
23	13 31 13.40	53.73 N	164.84 W	45.0 T	5.3		UNIMAK ISLAND REGION
23	20 41 8.02	51.55 N	179.02 E	20.0 F			RAT ISLANDS, ALEUTIAN ISLANDS
24	1 18 48.50	51.86 N	173.48 E	20.0 T	4.5		RAT ISLANDS, ALEUTIAN ISLANDS
24	2 17 51.36	51.02 N	178.73 W	50.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
24	9 54 22.90	50.98 N	178.71 W	26.0 T	3.5		DELAROF ISLANDS, ALEUTIAN ISLANDS
24	15 19 51.12	51.71 N	177.94 E	77.6 F			RAT ISLANDS, ALEUTIAN ISLANDS
24	18 37 13.47	50.67 N	178.89 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
24	19 12 42.17	51.69 N	179.96 E	26.8 F			RAT ISLANDS, ALEUTIAN ISLANDS
24	20 46 1.38	50.93 N	179.84 W	50.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
24	22 5 22.53	50.90 N	179.77 W	27.9 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
24	23 35 30.24	49.94 N	179.49 E	75.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
25	2 16 22.43	51.56 N	179.01 E	21.0 F			RAT ISLANDS, ALEUTIAN ISLANDS
25	2 47 12.68	51.29 N	178.94 E	74.9 F			RAT ISLANDS, ALEUTIAN ISLANDS
25	4 36 14.00	6.54 S	146.58 E	115.0 T	6.3		EAST NEW GUINEA REGION
25	8 12 47.06	51.52 N	178.26 E	50.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
25	9 45 45.08	51.22 N	178.77 E	26.8 F			RAT ISLANDS, ALEUTIAN ISLANDS
25	10 51 20.06	51.37 N	179.52 E	51.6 F			RAT ISLANDS, ALEUTIAN ISLANDS

SEP HYPOCENTER SUMMARY

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SEP 1971	ORIGIN TIME (GMT)	LAT	LONG	DEPTH* (KM)	MB	MS	GEOGRAPHIC REGION
25	13 5 59.60	32.40 S	72.90 W	33.0 T	5.5		OFF COAST OF CENTRAL CHILE
25	16 46 6.36	51.39 N	178.78 E	40.8 F			RAT ISLANDS, ALEUTIAN ISLANDS
25	22 17 59.40	19.43 S	176.62 W	311.0 T	5.1		FIJI ISLANDS REGION
25	23 46 8.64	51.45 N	178.87 E	52.0 F			RAT ISLANDS, ALEUTIAN ISLANDS
26	1 43 25.53	51.42 N	178.63 E	0.0 F			RAT ISLANDS, ALEUTIAN ISLANDS
26	3 14 13.04	51.80 N	179.25 E	31.4 F			RAT ISLANDS, ALEUTIAN ISLANDS
26	7 52 54.30	51.87 N	173.59 W	33.0 T	4.1		ANDREANOF ISLANDS, ALEUTIAN IS.
26	16 33 4.70	.00 S	124.86 E	71.0 T	5.8		MOLUCCA SEA
26	19 0 50.28	51.69 N	179.70 E	87.4 F			RAT ISLANDS, ALEUTIAN ISLANDS
26	20 33 .06	51.35 N	179.33 E	75.5 F			RAT ISLANDS, ALEUTIAN ISLANDS
27	5 59 55.20	73.39 N	55.10 E	0.0 T	6.4	5.2	NOVAYA ZEMLYA
27	10 6 16.95	51.60 N	177.79 E	54.3 F	4.0		RAT ISLANDS, ALEUTIAN ISLANDS
27	19 1 45.30	46.39 N	141.11 E	21.0 T	5.9	6.0	SAKHALIN ISLAND
27	22 20 2.20	3.17 S	148.50 E	33.0 T	5.4	6.1	BISMARCK SEA
28	0 6 31.41	52.22 N	179.60 E	125.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
28	4 30 5.28	51.55 N	178.79 E	26.9 F			RAT ISLANDS, ALEUTIAN ISLANDS
28	4 46 41.54	52.24 N	178.74 W	188.1 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
28	5 3 56.86	51.56 N	178.79 E	25.7 F			RAT ISLANDS, ALEUTIAN ISLANDS
28	7 34 52.52	51.37 N	179.23 E	53.4 F			RAT ISLANDS, ALEUTIAN ISLANDS
28	18 6 22.89	51.41 N	178.77 E	44.0 F			RAT ISLANDS, ALEUTIAN ISLANDS
29	3 10 18.10	51.21 N	177.42 W	36.0 T	4.5		ANDREANOF ISLANDS, ALEUTIANS ISLANDS
29	9 10 42.41	51.19 N	178.64 E	30.3 F			RAT ISLANDS, ALEUTIAN ISLANDS
29	13 17 38.02	51.56 N	178.79 E	21.9 F			RAT ISLANDS, ALEUTIAN ISLANDS
29	15 3 45.05	51.21 N	179.17 W	22.4 F	4.4		DELAROF ISLANDS, ALEUTIAN ISLANDS
29	18 37 57.81	51.71 N	179.71 W	107.4 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
29	19 5 28.53	51.16 N	177.67 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
29	19 52 45.93	52.10 N	179.99 E	186.5 F			RAT ISLANDS, ALEUTIAN ISLANDS
30	3 0 23.09	52.09 N	178.79 E	69.0 F			RAT ISLANDS, ALEUTIAN ISLANDS
30	5 11 25.21	51.63 N	179.41 E	120.1 F			RAT ISLANDS, ALEUTIAN ISLANDS
30	7 4 31.97	51.43 N	178.84 E	43.8 F			RAT ISLANDS, ALEUTIAN ISLANDS
30	11 52 34.51	51.11 N	178.65 E	33.5 F	5.0		RAT ISLANDS, ALEUTIAN ISLANDS

SEP HYPOCENTER SUMMARY

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SEP 1971	ORIGIN TIME (GMT)	LAT	LONG	DEPTH* (KM)	MB	MS	GEOGRAPHIC REGION
30	14 5 37.55	52.23 N	179.93 E	236.1 F			RAT ISLANDS, ALEUTIAN ISLANDS
30	14 54 56.25	52.63 N	179.81 W	75.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
30	16 3 48.26	51.20 N	178.75 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
30	19 37 41.97	52.46 N	178.69 E	131.3 F			RAT ISLANDS, ALEUTIAN ISLANDS
30	19 49 35.83	51.23 N	179.45 W	27.8 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
30	21 5 31.00	51.63 N	179.75 E	76.8 F			RAT ISLANDS, ALEUTIAN ISLANDS
30	21 19 25.60	22.40 S	179.60 E	585.0 T	4.9		SOUTH OF FIJI ISLANDS
30	22 30 41.52	51.87 N	179.09 E	0.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
30	23 31 41.11	51.55 N	179.38 E	18.9 F			RAT ISLANDS, ALEUTIAN ISLANDS
30	23 42 35.64	51.17 N	178.99 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS

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

SEISMICITY FIGURES

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

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

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

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

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

55.0+ -170.0

-169.0

-168.0

-167.0
+

-166.0
+

-165.0
+55.0

54.5+

+54.5

54.0+

+54.0

53.5+

+53.5

53.0+

+53.0

52.5+

+52.5

52.0+

+52.0

51.5+

•51.5

51.0+

•51.0

50.5+

+50.5

50.0
-170.0

-169.0

-168.0

**+
-167.0**

♦
-166.0

+50.0
 -165.0

55.0⁺ -165.0 -164.0⁺ x -163.0⁺ -162.0⁺ -161.0⁺ -160.0⁺ 55.0

54.5⁺ 54.5

54.0⁺ 54.0

■

53.5⁺ 53.5

53.0⁺ 53.0

52.5⁺ 52.5

52.0⁺ 52.0

51.5⁺ 51.5

51.0⁺ 51.0

50.5⁺ 50.5

50.0⁺ -165.0 -164.0⁺ -163.0⁺ -162.0⁺ -161.0⁺ 50.0⁺ -160.0