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ALEUTIAN SEISMIC PROGRAM
SEISMOLOGICAL BULLETIN
JULY 1971

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BY JH Keshner / amh
DATE 6/27/72

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

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

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

 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 25/09/69-05/11/69 05/11/69-16/07/70 16/07/70-	51 37 39.8 N 51 37 34.9 N 51 37 39.8 N 51 37 34.9 N	178 39 22.7 E 178 39 41.8 E 178 39 22.7 E 178 39 41.8 E	177 133 177 133
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 25/09/69-13/07/70 13/07/70-	51 27 44.9 N 51 27 41.9 N 51 27 44.9 N	179 09 53.9 E 179 07 29.9 E 179 09 53.9 E	40 36 40
ASD	AMCHITKA SOUTH D	29/05/69-06/06/69 06/06/69-	51 22 36.0 N 51 23 26.9 N	179 20 30.0 E 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	SEMISOPHOCHNOI ISLAND	13/08/69-04/11/69 17/10/70-	51 54 52.2 N 51 53 32.8 N	179 37 26.4 E 179 35 17.9 E	335 177

JUL 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
01	1 18	55.48	51.61 N 175.16 E	DEPTH = 0.0 KM			FIXED DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
01	RAT	IP	01 19 30.5				220	83	-0.6	
		ES	01 19 49.7						-7.4	
01	ANA	EP	01 19 33.8				242	88	-0.1	
01	AND	EP	01 19 36.2				263	90	-0.2	
01	ASC	EP	01 19 38.4				278	92	.1	
01	ASB	EP	01 19 39.0	66.7	.2		285	94	-0.1	
		ES	01 20 10.2						-0.7	
01	ASD	IP	01 19 40.5	79.0	.3		291	93	.6	
01	SSI	IP	01 19 41.8				307	82	-0.1	
01	ADK	EP	01 20 14.5				563	84	1.1	
		ES	01 21 12.6						2.2	
01	1 16	16.80	6.38 S 130.26 E	DEPTH = 133.0 KM			TELESEISMIC SOLUTION			
BANDA SEA										
01	ADK	IP	01 27 36.8				8175	31		
01	2 2	46.52	51.14 N 179.48 W	DEPTH = 25.0 KM			FIXED DEPTH SOLUTION			
DELAROF ISLANDS, ALEUTIAN ISLANDS										
01	ASD	IP	02 03 1.1	9.5	.1	3.00	87	290	.0	
01	ASB	EP	02 03 1.9	14.0	.1	3.19	92	286	.0	
		ES	02 03 13.1						.0	
01	ASC	EP	02 03 3.4				101	292	.2	
01	SSI	IP	02 03 4.0	31.0	.1	3.59	106	323	.0	
01	AND	EP	02 03 5.7				119	294	-0.2	
01	1 56	47.30	7.48 S 156.37 E	DEPTH = 33.0 KM			TELESEISMIC SOLUTION			
SOLOMON ISLANDS										
01	ADK	EP	02 07 14.7				7060	18		
1	1 58	2.90	68.49 N 148.02 W	DEPTH = 33.0 KM			TELESEISMIC SOLUTION			
ALASKA										
01	ADK	EP	02 27 18.9							
		ES	02 27 26.6							
01	ADK	EP	03 25 6.5							
		ES	03 25 27.8							
01	4 14	44.83	51.57 N 178.80 E	DEPTH = 22.1 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
01	AND	IP D	04 14 48.8				11	93	-0.2	
01	ANA	IP C	04 14 49.0				11	305	-0.0	
01	ACB	IP	04 14 50.3				23	120	.1	
01	ACA	IP	04 14 50.4				24	113	.1	
01	ACD	IP	04 14 50.9				28	123	.1	
01	ASC	IP	04 14 51.0				28	115	.2	
01	ACE	IP	04 14 51.3				32	125	-0.0	
01	ASB	IP C	04 14 52.1	84.5	.1	3.67	39	126	-0.1	
		IS	04 14 57.4						-0.2	
01	ASD	IP C	04 14 52.7	62.4	.1	3.56	43	117	-0.1	
01	SSI	IP	04 14 56.0	19.9	.1	3.21	65	56	-0.1	
		IS	04 15 4.4						.1	

JUL 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
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01	ADK	EP	05 32 12.1							
		ES	05 32 20.1							

01	ADK	IP	06 58 57.6							
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01	8 39 18.15	51.57 N 178.80 E	DEPTH = 21.5 KM	FREE DEPTH SOLUTION						
RAT ISLANDS, ALEUTIAN ISLANDS										
01	AND	IP D	08 39 22.1				11	93	-.1	
01	ANA	IP C	08 39 22.3				11	305	.0	
01	ACC	IP	08 39 23.0				19	119	-.0	
01	ACA	IP	08 39 23.6				24	113	.0	
01	ACB	IP	08 39 23.6				23	120	.1	
01	ASC	IP C	08 39 24.2				28	115	.1	
01	ACD	IP	08 39 24.2				28	123	.1	
01	ACE	IP	08 39 24.6				32	125	.0	
01	ASB	IP C	08 39 25.4				39	126	-.1	
		IS	08 39 30.7						-.2	
01	RAT	IP C	08 39 25.8	144.1	.1	3.91	41	309	-.1	
01	ASD	IP C	08 39 26.0	68.1	.1	3.60	43	117	-.1	
01	SSI	IP	08 39 29.5	13.3	.1	3.04	65	56	.1	
		IS	08 39 37.5						-.1	

01	10 40 28.50	51.41 N 179.43 E	DEPTH = 18.9 KM	FREE DEPTH SOLUTION						
RAT ISLANDS, ALEUTIAN ISLANDS										
01	ASD	IP	10 40 31.9	5.6	.1	2.15	6	247	-.0	
01	ASB	IP	10 40 32.5	4.2	.1	2.10	14	245	.0	
		IS	10 40 35.4						-.0	
01	ACE	EP	10 40 32.9				18	265	-.0	
01	ASC	IP	10 40 33.1				19	287	.0	
01	ACD	IP	10 40 33.3				20	275	.1	
01	ACA	IP	10 40 33.5				23	289	-.0	
01	ACB	IP	10 40 33.6				24	283	-.1	

01	ADK	EP	11 04 44.4							
		ES	11 04 55.8							

01	15 31 40.41	51.57 N 178.82 E	DEPTH = 20.7 KM	FREE DEPTH SOLUTION						
RAT ISLANDS, ALEUTIAN ISLANDS										
01	AND	IP D	15 31 44.2				9	95	-.0	
01	ANA	IP	15 31 44.5				13	300	-.0	
01	ASC	IP	15 31 46.3				27	116	.2	
01	ASB	IP	15 31 47.5	29.1	.1	3.19	38	128	-.1	
		IS	15 31 52.3						-.0	
01	ASD	IP C	15 31 48.0	19.5	.1	3.04	41	118	-.1	
01	SSI	IP	15 31 51.5				64	56	.1	
		IS	15 31 59.4						-.1	

01	SSI	EP	18 14 8.9							
01	ASD	IP	18 14 11.5	78.1	.1					
01	ASB	IP	18 14 12.1							
		IS	18 14 39.5							
01	ASC	IP	18 14 12.1							
01	AND	IP	18 14 12.3							
01	ANA	IP	18 14 13.2							
01	RAT	IP	18 14 14.0							
		ES	18 14 44.8							

02	ADK	IP C	01 19 42.2							
		IS	01 19 50.0							

JUL 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
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02	ADK	EP	04 31 14.0							
		ES	04 31 40.7							

02	4 40 10.70	51.23 N 176.51 W	DEPTH = 39.0 KM	TELESEISMIC SOLUTION
ANDREANOF ISLANDS, ALEUTIANS ISLANDS				

02	ADK	IP	04 40 23.5				74	351	-.5	
		IS	04 40 31.1						-2.5	
02	SSI	EP	04 40 50.1	26.6	.1		280	287	.4	
02	ASD	EP	04 40 51.3	9.5	.1		289	275	.4	
02	ASB	EP	04 40 52.0	50.5	.2		296	274	.3	
		E(S)	04 41 22.1						.5	
02	AND	EP	04 40 54.9				317	278	.6	
02	ANA	EP	04 40 57.7				338	279	.8	

02	6 34 43.20	53.00 N 171.35 E	DEPTH = 31.0 KM MB = 5.1	TELESEISMIC SOLUTION
NEAR ISLANDS, ALEUTIAN ISLANDS				

02	SMY	EP	06 35 11.1				188	98		
02	RAT	EP	06 35 51.0	970.2	.5		494	103		
02	ANA	EP	06 35 55.3				522	104		
		E(S)	06 37 1.5							
02	AND	EP	06 35 57.8				543	104		
02	ASC	E(P)	06 35 58.7				561	105		QP
02	ASB	EP	06 36 .5	19.4	.2		570	106		QP
		E(S)	06 37 10.8							
02	ASD	EP	06 36 1.8	42.3	.4		575	105		QP
02	GMA	EP	06 38 58.1				2063	37		

02	ADK	IP	07 25 52.9							
		ES	07 26 10.0							

02	10 50 22.75	51.82 N 178.35 E	DEPTH = 95.6 KM	FREE DEPTH SOLUTION
RAT ISLANDS, ALEUTIAN ISLANDS				

02	RAT	IPGD	10 50 36.0				3	222	-.1	
02	ANA	IPGC	10 50 36.8				30	135	-.1	
		IS	10 50 47.0						-.1	
02	AND	IPGD	10 50 37.7				50	124	-.1	
02	ASC	IPG	10 50 39.2				68	125	-.1	
02	ASB	EPG	10 50 40.0	5.2	.1	2.86	80	129	-.0	
		IS	10 50 52.5						-.1	
02	ASD	IPG	10 50 40.3	7.3	.1	3.01	83	124	-.0	

02	13 12 55.63	51.13 N 179.31 E	DEPTH = 29.3 KM	FREE DEPTH SOLUTION
RAT ISLANDS, ALEUTIAN ISLANDS				

02	ASB	IPGD	13 13 2.0	147.3	.1	3.85	26	351	.0	LOCAL
		IS	13 13 6.7						.1	
02	ASD	IPGD	13 13 2.2				29	5	-.1	WHITE OUT
02	ACE	IPGC	13 13 2.6				31	342	-.0	
02	ACD	IPGC	13 13 3.1				35	340	.0	
02	ASC	IPGC	13 13 3.5				38	345	.1	
02	ACB	IPGC	13 13 3.7				40	338	.0	
02	ACA	IPGC	13 13 3.9				41	341	.1	
02	ACC	IPG	13 13 4.1				43	335	-.0	
02	ACF	IPGC	13 13 4.9				49	334	.0	
02	AND	IPGD	13 13 5.4				54	333	-.2	
02	SSI	IPGD	13 13 10.4	87.3	.1	3.97	87	13	.1	
		ES	13 13 20.9						-.1	

JUL 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
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02	13 13	52.97	51.13 N 179.32 E	DEPTH = 28.4 KM		FREE DEPTH SOLUTION				
RAT ISLANDS, ALEUTIAN ISLANDS										
02	ASB	IPG	13 13 59.3	9.6	.1	2.66	26	348	-.0	LOCAL
		ES	13 14 4.0						.1	
02	ASD	IPG	13 13 59.5	8.1	.1	2.61	29	2	-.1	
		ES	13 14 4.4						-.1	
02	ACE	EPG	13 14 0.0				32	341	.0	
02	ACD	EPG	13 14 .6				36	339	.2	
02	ASC	EPG	13 14 .8				39	343	-.0	
02	ACF	EPG	13 14 2.3				50	333	.0	
02	AND	EPG	13 14 2.8				55	332	-.2	
02	SSI	EPG	13 14 7.7	10.0	.1	3.02	87	12	.1	
		IS	13 14 18.3						-.0	

02	13 37	53.10	51.16 N 179.38 E	DEPTH = 31.5 KM		FREE DEPTH SOLUTION				
RAT ISLANDS, ALEUTIAN ISLANDS										
02	ASB	IP D	13 37 59.6	15.6	.1	2.89	25	338	.0	
		ES	13 38 4.3						-.0	
02	ASD	IP D	13 37 59.7	12.7	.1	2.81	26	354	-.1	
02	ACE	EPG	13 38 .2				31	332	-.1	
02	ACD	EPG	13 38 .7				35	331	-.0	
02	ASC	IP	13 38 1.1				37	336	.1	
02	ACB	EPG	13 38 1.3				40	330	.0	
02	ACA	EP	13 38 1.5				40	334	.1	
02	ACC	EPG	13 38 1.8				43	327	.0	
02	ACF	EPG	13 38 2.6				49	327	.1	
02	AND	EP	13 38 3.0				54	327	-.2	

02	14 12	4.82	52.06 N 179.78 E	DEPTH = 180.8 KM		FREE DEPTH SOLUTION				
RAT ISLANDS, ALEUTIAN ISLANDS										
02	AND	EP	14 12 30.8				80	226	-.1	
02	ASD	EP	14 12 30.9	3.5	.1	2.87	81	202	-.0	
02	ASC	EP	14 12 30.9				79	213	.1	
02	ASB	EP	14 12 31.2	4.5	.1	2.99	86	205	-.0	QS
		ES	14 12 50.5						-.0	
02	ANA	EP	14 12 31.5				91	238	.0	

02	15 4	54.75	51.43 N 178.82 E	DEPTH = 0.0 KM		FIXED DEPTH SOLUTION				
RAT ISLANDS, ALEUTIAN ISLANDS										
02	AND	IPG	15 04 57.7				18	31	-.3	VERY LOCAL
		ES	15 04 59.9						-.4	
02	ACF	EPG	15 04 57.9				16	48	.2	
02	ACC	EPG	15 04 58.2				17	67	.4	
02	ACA	EPG	15 04 58.5				22	74	-.2	
02	ACB	EPG	15 04 58.5				19	78	.3	
02	ASC	IPG	15 04 58.9				24	80	-.2	
02	ANA	IPG	15 04 59.8				25	334	.5	
02	ASB	EPG	15 05 .4	1.4	.1	1.74	31	104	.1	
		ES	15 05 4.3						-.0	
02	ASD	EPG	15 05 1.0				36	96	-.4	
02	RAT	E(P)	15 05 4.0	2.1	.1	2.14	54	321	-.5	

02	ADK	IP	15 36 22.7							
		IS	15 36 29.9							
02	SSI	EP	15 36 54.6	15.9	.1					QP
02	ASD	EP	15 36 56.3	2.4	.1					
02	ASB	EP	15 36 56.9	5.1	.1					QS

JUL 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
		E(S)	15 37 30.8							
02	ASC	EP	15 36 57.2							
02	AND	EP	15 36 59.5							
02	ANA	EP	15 37 1.4							
02	15 39 21.45		51.56 N 178.98 E							FREE DEPTH SOLUTION
										RAT ISLANDS, ALEUTIAN ISLANDS
02	AND	IPG	15 39 24.4				2	283	-.0	SMALL.V.LOCAL
		IS	15 39 26.6						-.0	
02	ACF	EPG	15 39 24.6				4	162	.1	
02	ACC	EPG	15 39 24.8				9	151	-.0	
02	ACA	EPG	15 39 25.2				13	131	.0	
02	ACB	IPG	15 39 25.2				13	144	-.0	
02	ASC	IPG	15 39 25.6				17	129	.0	
02	16 1 23.51		51.41 N 177.48 E							FIXED DEPTH SOLUTION
										RAT ISLANDS, ALEUTIAN ISLANDS
02	RAT	IP	16 01 36.7	17.4	.1	3.25	73	54	-.2	
02	ANA	EP	16 01 39.0				85	73	.6	QP
02	AND	EP	16 01 40.3				103	80	-.3	
		ES	16 01 53.0						-.0	
02	ASC	EP	16 01 42.2				117	87	-.0	
02	ASD	EP	16 01 43.1	1.7	.1	2.41	129	90	-.6	
02	ASB	EP	16 01 43.5	1.4	.1	2.32	123	92	.5	POOR TAMP
02	ASD	EP	16 13 46.5	6.7	.1					POSS.REGIONAL
02	ASB	EP	16 13 47.0	11.7	.2					NO S VISIBLE
02	ASC	EP	16 13 47.7							
02	16 31 12.76		51.92 N 179.57 W							FREE DEPTH SOLUTION
										DELAROF ISLANDS, ALEUTIAN ISLANDS
02	ASD	EP	16 31 34.5	4.1	.1	2.86	95	232	-.1	
		ES	16 31 50.6						.1	
02	ASC	EP	16 31 35.1				101	240	.1	
02	ASB	EP	16 31 35.2	5.2	.1	2.98	103	233	.0	
		ES	16 31 51.4						-.1	
02	AND	EP	16 31 35.6				109	249	-.1	
02	ANA	EP	16 31 37.2				126	256	.0	
02	17 2 3.01		52.44 N 178.96 E							FREE DEPTH SOLUTION
										RAT ISLANDS, ALEUTIAN ISLANDS
02	RAT	IP	17 02 26.4	21.6	.1	3.62	83	212	.0	
02	ANA	EP	17 02 27.1				93	193	.1	
02	AND	EP	17 02 27.2				98	180	-.1	
02	ASC	EP	17 02 28.2				110	173	-.0	QP
02	ASD	EP	17 02 29.1	1.8	.1	2.58	120	167	.1	QP
		ES	17 02 48.0						.0	
02	ASB	EP	17 02 29.1				122	171	-.1	QP
		ES	17 02 48.2						-.0	
02	18 21 37.28		51.16 N 178.06 E							FIXED DEPTH SOLUTION
										RAT ISLANDS, ALEUTIAN ISLANDS
02	RAT	IP	18 21 50.0	16.9	.1	3.17	74	15	-.7	
02	ANA	EP	18 21 50.1				67	39	.6	QS
		E(S)	18 21 58.8						.4	

JUL 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
. 02	AND	EP	18 21 51.5				77	54	.2	
. 02	ASB	EP	18 21 52.4	4.2	.1	2.62	86	74	-.3	QS
		E(S)	18 22 3.6						-.4	
. 02	SSI	E(P)	18 22 .6				134	52	.6	QP
		ES	18 22 15.7						-.9	
.....										
. 02	18 26 2.49	51.21 N 177.98 E	DEPTH = 25.0 KM	FIXED DEPTH SOLUTION						
		RAT ISLANDS, ALEUTIAN ISLANDS								
. 02	RAT	IPGD	18 26 14.3	79.0	.1	3.84	70	20	-.2	
		ES	18 26 22.7						-.6	
. 02	ANA	IPG	18 26 14.4				66	45	.4	
		ES	18 26 22.9						.6	
. 02	AND	IP	18 26 15.7				78	60	-.0	
. 02	ASB	IP	18 26 17.3	12.3	.1	3.12	90	79	-.2	
		E(S)	18 26 27.9						-.5	
. 02	ASC	EP	18 26 17.5				87	71	.4	
. 02	ASD	EP	18 26 18.1	2.9	.1	2.53	97	77	-.4	
. 02	SSI	EP	18 26 24.4	16.0	.1	3.39	135	55	.2	
.....										
. 02	19 53 8.52	51.36 N 178.37 W	DEPTH = 25.0 KM	FIXED DEPTH SOLUTION						
		DELAROF ISLANDS, ALEUTIAN ISLANDS								
. 02	ADK	IP C	19 53 30.7				130	63	1.1	
		IS	19 53 46.7						1.8	
. 02	SSI	EP	19 53 32.9	149.4	.3	3.93	153	294	-.1	
. 02	ASD	EP	19 53 33.9	12.2	.1	3.33	159	272	.0	
. 02	ASB	EP	19 53 34.6	34.0	.2	3.49	165	271	-.1	
		I(S)	19 53 54.8						1.1	
. 02	ASC	EP	19 53 35.3				171	275	-.1	
. 02	AND	EP	19 53 37.3				187	278	-.0	
. 02	ANA	EP	19 53 40.1				208	279	.2	
. 02	RAT	EP	19 53 43.2	52.9	.2		233	283	.2	
.....										
. 02	SSI	EP	20 31 59.4	42.7	.3					
. 02	ASD	EP	20 32 5.4	5.5	.2					QP
. 02	ASC	EP	20 32 6.2							QP
. 02	ASB	EP	20 32 6.4	2.9	.1					NO S VISIBLE.QP
. 02	AND	EP	20 32 8.4							QP
.....										
. 02	21 37 26.11	51.65 N 178.90 E	DEPTH = 21.6 KM	FREE DEPTH SOLUTION						
		RAT ISLANDS, ALEUTIAN ISLANDS								
. 02	AND	IPGD	21 37 30.2				10	160	.1	
		ES	21 37 33.1						.0	
. 02	ANA	EPG	21 37 30.6				17	261	-.1	
. 02	ACF	EPG	21 37 30.8				15	155	.2	
. 02	ASC	EPG	21 37 31.0				28	139	-1.0	
. 02	ACB	EPG	21 37 31.8				25	148	.2	
. 02	ACD	EPG	21 37 32.5				30	147	.3	
. 02	ACE	EPG	21 37 32.8				34	146	.0	
. 02	ASB	EPG	21 37 33.5	1.5	.1	1.95	40	143	-.1	
		ES	21 37 39.0						-.2	
. 02	ASD	EPG	21 37 34.3	2.7	.1	2.19	42	133	.4	
.....										
. 02	ASD	EP	21 47 22.1	4.2	.1	2.79				
. 02	ASB	EP	21 47 22.9	4.1	.1	2.80				QS
		E(S)	21 47 37.9							
. 02	ASC	EP	21 47 24.3							
. 02	SSI	EP	21 47 26.4	19.9	.1	3.53				QS
		E(S)	21 47 43.2							
. 02	AND	EP	21 47 26.6							

JUL 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS	
02	AND	IPG0	23 15 19.8							V.SMALL.V.LOCAL	
		ES	23 15 22.7								
02	ANA	EPG	23 15 20.1								
02	ACF	EPG	23 15 20.3								
02	ACA	E(P)	23 15 21.4								
02	ACD	EPG	23 15 22.1								
02	ACE	E(P)	23 15 22.4								
02	ADK	IP	23 35 34.5								
		IS	23 35 42.4								
.....											
03	3 30	7.28	51.83 N 178.03 E	DEPTH = 152.8 KM				FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS								
03	ANA	EP	03 30 28.6				49	117	-.1		
03	AND	EP	03 30 29.8				70	114	.1		
03	ASC	EP	03 30 30.9				88	117	.1		
03	ASD	EP	03 30 31.6	1.4	.1	2.45	103	117	-.2		
03	ASB	EP	03 30 31.6	3.0	.1	2.77	99	121	.1		
		ES	03 30 49.2						-.0		
.....											
03	3 33	56.70	51.45 N 179.32 E	DEPTH = 67.5 KM				FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS								
03	ACE	EPG	03 34 6.5				11	243	-.2		
03	ASB	IP	03 34 6.7				11	206	.0		
03	ACA	IPG	03 34 6.7				14	286	-.1		
03	ACD	EPG	03 34 6.8				13	261	.1		
03	ACB	EPG	03 34 6.9				16	276	.1		
03	ASC	IPG	03 34 7.0				11	279	.3		
		IS	03 34 14.0						.0		
03	AND	IPG	03 34 7.1				28	297	-.3		
03	ACF	EPG	03 34 7.2				24	292	.0		
03	ANA	EPG	03 34 9.0				50	294	.1		
.....											
03	3 50	6.83	51.96 N 178.15 E	DEPTH = 155.8 KM				FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS								
03	ANA	EP	03 50 28.6				51	137	-.1		
03	AND	EP	03 50 29.7				71	129	.1		
03	ASC	IP	03 50 30.9				89	128	.2		
03	ASD	EP	03 50 31.5				104	127	-.2		
		ES	03 50 49.9						-.0		
03	ASB	EP	03 50 31.6	2.8	.1	2.75	101	131	.1		
.....											
03	4 7	44.40	21.42 S 179.12 W	DEPTH = 602.0 KM MB = 5.3				TELESEISMIC SOLUTION			
			FIJI ISLANDS REGION								
03	ADK	EP	04 18 15.4				8119	2			
.....											
03	4 26	17.05	51.73 N 179.97 E	DEPTH = 22.0 KM				FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS								
03	SSI	IP	04 26 23.6	13.7	.1	2.82	32	305	.0		
		IS	04 26 28.3						-.0		
03	ASD	IP	04 26 27.1	1.8	.1	2.13	58	230	-.1		
03	ASB	IP	04 26 28.2	4.7	.1	2.58	65	231	-.0		
		ES	04 26 36.4						.0		
03	ASC	IP	04 26 28.2				63	243	.2		

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JUL 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
. 03	AND	EP	04 26 29.2				73	256	-.2	
. 03	ANA	EP	04 26 32.3				91	264	.1	
.....										
. 03	5 33 37.08	51.42 N 178.79 E DEPTH = 47.0 KM						FREE DEPTH SOLUTION		
RAT ISLANDS, ALEUTIAN ISLANDS										
. 03	AND	IP	05 33 45.0				20	36	-.0	
. 03	ACF	IP	05 33 45.1				19	50	.1	
. 03	ACC	IP	05 33 45.2				19	67	.2	
. 03	ACB	IP	05 33 45.3				22	76	.1	
. 03	ACA	IP	05 33 45.4				24	73	.1	
. 03	ACD	IP	05 33 45.4				24	87	.1	
. 03	ANA	IP	05 33 45.5				25	340	.1	
. 03	ACE	IP	05 33 45.5				27	94	-.0	
. 03	ASC	IP	05 33 45.6				27	79	.1	
. 03	ASB	IP	05 33 45.9	1197.2	.3	4.43	33	101	-.1	
		IS	05 33 51.9						-.6	
. 03	ASD	IP	05 33 46.5				39	94	-.1	LARGE
. 03	RAT	IP	05 33 47.7				53	324	-.3	
. 03	SSI	IP	05 33 51.0				77	46	.2	
		IS	05 34 .7						-.2	
.....										
. 03	5 36 54.80	51.43 N 178.83 E DEPTH = 44.0 KM						FREE DEPTH SOLUTION		
RAT ISLANDS, ALEUTIAN ISLANDS										
. 03	AND	EP	05 37 2.2				17	29	-.1	
. 03	ACC	EP	05 37 2.3				16	66	.1	
. 03	ACF	EP	05 37 2.3				16	45	.1	
. 03	ACB	IP	05 37 2.4				18	77	.1	
. 03	ACA	IP	05 37 2.6				21	73	.1	
. 03	ACD	IP	05 37 2.6				21	90	.1	
. 03	ACE	IP	05 37 2.6				24	97	-.1	
. 03	ANA	EP	05 37 2.7				25	332	-.1	
. 03	ASC	IP	05 37 2.8				23	80	.1	
. 03	ASB	EP	05 37 3.1	2.3	.1	2.17	30	104	-.1	
		ES	05 37 9.2						-.1	
. 03	ASD	IP	05 37 3.7	5.7	.1	2.59	36	96	-.0	
. 03	SSI	IP	05 37 8.2	5.3	.1	2.80	73	45	.1	
		IS	05 37 17.7						-.1	
.....										
. 03	6 14 54.64	51.43 N 178.84 E DEPTH = 43.7 KM						FREE DEPTH SOLUTION		
RAT ISLANDS, ALEUTIAN ISLANDS										
. 03	AND	IP	06 15 2.0				17	27	-.1	
. 03	ACC	IP	06 15 2.1				16	65	.1	
. 03	ACF	IP	06 15 2.1				15	44	.1	
. 03	ACB	IP	06 15 2.2				18	77	.1	
. 03	ACA	IP	06 15 2.4				20	72	.1	
. 03	ACD	IP	06 15 2.4				21	89	.1	
. 03	ACE	IP	06 15 2.4				23	97	-.1	
. 03	ANA	IP	06 15 2.5				25	331	-.2	
. 03	ASC	IP	06 15 2.6				23	80	.1	
. 03										

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JUL 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
03	7 11	42.44	51.14 N 178.99 E	DEPTH = 26.5 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
03	ASB	IP	07 11 49.0	31.1	.1	3.19	30	37	-0.0	
		IS	07 11 53.7						-0.2	
03	ACE	IP	07 11 49.2				31	24	.0	
03	ACD	IP	07 11 49.6				33	18	.2	
03	ASD	IP C	07 11 49.7	32.5	.1	3.26	37	42	-0.2	
		IS	07 11 55.0						-0.3	
03	ACB	IP	07 11 49.9				36	12	.1	
03	ASC	IP C	07 11 50.1				38	19	.1	
03	ACC	IP	07 11 50.2				38	6	.2	
03	ACA	IP	07 11 50.3				39	14	.2	
03	ACF	IP	07 11 50.8				43	1	.2	
03	AND	IP D	07 11 51.3				47	357	.1	
03	ANA	IP C	07 11 52.9				58	337	.1	
03	RAT	IP	07 11 56.4	6.0	.1	2.80	86	328	-0.5	
		IS	07 12 10.7						3.3	
03	SSI	IP	07 11 58.0	2.7	.1	2.48	93	26	.0	
03	ADK	EP	08 45 21.9							
		ES	08 45 32.2							
03	SSI	IP	08 45 35.6	8.5	.1	3.25				
		IS	08 45 56.9							
03	ASD	EP	08 45 36.8	2.8	.1					
		ES	08 46 4.1							
03	ASB	EP	08 45 37.9							
03	ASC	EP	08 45 38.8							
03	RAT	EP	10 11 .3	32.2	.1	3.75				
		IS	10 11 17.7							
03	10 18	4.74	51.61 N 177.81 E	DEPTH = 56.1 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
03	RAT	IP D	10 18 15.0	139.1	.1	4.06	41	59	-0.2	
03	ANA	IP	10 18 17.3				59	88	.4	
03	AND	EP	10 18 19.0				79	93	-0.1	
03	ASC	IP	10 18 21.1				95	99	.1	
03	ASB	IP	10 18 21.8				103	105	-0.1	
		ES	10 18 34.3						-0.2	
03	ASD	IP	10 18 22.6				109	102	-0.0	
03	SSI	IP D	10 18 24.7	17.7	.1	3.44	126	75	-0.0	
		IS	10 18 39.4						.1	
03	10 43	54.31	51.56 N 178.78 E	DEPTH = 27.6 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
03	AND	IP D	10 43 58.8				12	86	-0.4	
03	ANA	IP	10 43 59.0				12	313	-0.2	
03	ACB	IP C	10 44 .2				24	116	-0.1	
03	ACA	IP C	10 44 .3				25	109	-0.1	
03	ASC	IP	10 44 .8				28	111	.0	
03	ACD	IP	10 44 .8				28	120	.0	
03										

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JUL 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
03	11 25	3.81	51.42 N 178.82 E	DEPTH = 50.7 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
03	AND	EP	11 25 12.0				18	31	-.1	
03	ACC	IP	11 25 12.1				17	66	.1	
03	ACF	IP	11 25 12.1				16	47	.1	
03	ACB	IP	11 25 12.2				19	77	.1	
03	ACA	IP	11 25 12.4				22	73	.1	
03	ACD	IP	11 25 12.4				22	89	.1	
03	ACE	IP	11 25 12.4				24	96	-.1	
03	ANA	EP	11 25 12.5				25	334	-.0	
03	ASC	IP	11 25 12.6				24	80	.2	
03	ASB	EP	11 25 12.8	2.3	.1	2.21	30	103	-.1	
		ES	11 25 19.0						-.5	
03	ASD	IP	11 25 13.5	3.6	.1	2.43	36	96	.1	
03	RAT	EP	11 25 15.0				54	321	-.1	
03	SSI	IP	11 25 17.2				74	45	-.2	
		IS	11 25 27.5						.2	
03	12 12	32.30	23.48 S 179.96 W	DEPTH = 543.0 KM			TELESEISMIC SOLUTION			
SOUTH OF FIJI ISLANDS										
03	ADK	IP	12 23 18.8				8350	2		
03	13 19	41.70	51.31 N 178.71 W	DEPTH = 33.0 KM			TELESEISMIC SOLUTION			
DELAROF ISLANDS, ALEUTIAN ISLANDS										
03	ASD	EP	13 20 2.3	9.9	.1	3.19	136	275	-1.2	
03	SSI	IP	13 20 2.3	19.9	.1	3.49	135	300	-1.0	
		ES	13 20 16.5						-2.6	
03	ASB	EP	13 20 3.4	18.2	.1	3.47	142	273	-.9	
		ES	13 20 18.8						-2.0	
03	ASC	EP	13 20 4.4				149	278	-.7	
03	ADK	EP	13 20 5.8				154	65	.0	
		ES	13 20 25.5						2.2	
03	AND	EP	13 20 6.4				165	281	-.7	
03	ANA	EP	13 20 9.2				186	282	-.5	
03	ADK	EP	13 36 54.4							
		E	13 36 57.0							
		ES	13 36 13.2							
03	ASD	IPN	13 37 1.9	81.3	.2					
		IPG	13 37 4.3							
03	ASB	EPN	13 37 2.8	42.4	.2					
		IPG	13 37 5.2							
03	SSI	EPN	13 37 3.7							
		EPG	13 37 6.4	136.4	.2					
03	ASC	IPN	13 37 4.2							
		IPG	13 37 6.6							
03	AND	EPN	13 37 6.6							
03	ANA	EPN	13 37 9.7							
03	ADK	EP	15 20 12.0							
03	19 47	20.91	51.29 N 179.90 E	DEPTH = 25.0 KM			FIXED DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
03	ASD	EP	19 47 28.6	1.7	.1	1.9				

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JUL 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
03	21 24	13.47	51.25 N 179.01 E	DEPTH = 40.3 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
03	ASB	EP	21 24 20.5	3.7	.1	2.31	20	54	-.2	
		ES	21 24 26.3						.3	
03	ACE	IP	21 24 20.6				20	34	-.1	
03	ACD	IP	21 24 20.9				21	24	.1	
03	ASD	IP	21 24 21.0	3.6	.1	2.34	28	56	-.3	
03	ACB	IP	21 24 21.1				24	13	.1	
03	ASC	EP	21 24 21.2				26	25	.1	
03	ACA	IP	21 24 21.3				27	17	.1	
03	AND	EP	21 24 22.1				35	354	.1	
03	RAT	EP	21 24 27.1	2.2	.1	2.35	77	322	-.2	
03	SSI	EP	21 24 28.4	9.3	.1	2.99	82	29	.5	
		IS	21 24 38.0						-.5	
03	ADK	EP	22 02 59.6							
		ES	22 03 42.5							
03	22 17	32.28	51.68 N 179.30 W	DEPTH = 89.2 KM			FREE DEPTH SOLUTION			
DELAROF ISLANDS, ALEUTIAN ISLANDS										
03	SSI	IP	22 17 49.1	42.1	.1	3.76	80	287	.1	
		IS	22 18 1.2						-.0	
03	ASD	EP	22 17 50.8	12.3	.1	3.26	99	252	-.1	
03	ASB	EP	22 17 51.6				107	251	-.0	
		ES	22 18 5.8						.1	
03	ASC	EP	22 17 51.9				109	258	.0	
03	ACE	IP	22 17 51.9				110	254	-.1	
03	ACA	EP	22 17 52.1				112	259	-.0	
03	ACD	EP	22 17 52.3				112	256	.2	
03	ACB	EP	22 17 52.5				114	258	.1	
03	ACC	EP	22 17 52.8				117	260	.1	
03	ACF	EP	22 17 52.8				119	262	-.1	
03	AND	EP	22 17 52.9				121	264	-.3	
03	ANA	IP	22 17 55.4				141	268	.1	
03	ASB	EP	22 51 37.1							
		ES	22 51 55.5							
03	ASD	EP	22 51 37.4	2.8	.1	2.72				
03	ASC	EP	22 51 39.8							
03	22 45	8.20	19.54 S 177.50 W	DEPTH = 580.0 KM MB = 4.8			TELESEISMIC SOLUTION			
FIJI ISLANDS REGION										
03	ADK	EP	22 55 28.5				7908	1		
03	23 4	25.16	52.08 N 179.52 E	DEPTH = 166.4 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
03	SSI	IP	23 04 47.4	19.5	.1	3.55	21	186	-.0	
03	AND	EP	23 04 49.2				74	219	-.1	
03	ASD	IP	23 04 49.5	29.8	.1	3.78	79	194	-.1	
03	ASC	EP	23 04 49.6				75	205	.2	
03	ANA	EP	23 04 49.8				83	233	.0	
03	ASB	EP	23 04 49.9	17.8	.1	3.56	84	198	.0	

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JUL 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
03	23 15	6.24	51.20 N 178.35 W	DEPTH = 50.0 KM			FIXED DEPTH SOLUTION			
DELAROF ISLANDS, ALEUTIAN ISLANDS										
03	ASD	EP	23 15 30.3				162	279	-.2	SMALL AMP
03	SSI	IP	23 15 30.5	5.9	.1	3.04	162	299	-.0	
		IS	23 15 45.2						-3.1	
03	ASB	EP	23 15 31.2				168	277	-.1	
		ES	23 15 49.5						-.0	
03	ASC	EP	23 15 32.4				175	281	.3	
.....										
04	6 40	32.73	51.85 N 179.85 W	DEPTH = 99.2 KM			FREE DEPTH SOLUTION			
DELAROF ISLANDS, ALEUTIAN ISLANDS										
04	ASD	EP	06 40 50.0	1.3	.1	2.25	76	228	.0	
		ES	06 41 2.6						.0	
04	ASC	EP	06 40 50.4				81	238	.0	
04	ASB	EP	06 40 50.6	1.4	.1	2.31	83	229	.0	
.....										
04	7 11	8.90	51.57 N 178.79 E	DEPTH = 23.2 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
04	AND	IP	07 11 13.0				11	92	-.2	
04	ANA	IP	07 11 13.3				11	307	.1	
04	ACC	IP	07 11 14.0				20	117	.0	
04	ACB	IP	07 11 14.5				24	119	.1	
04	ACA	IP	07 11 14.6				25	112	.1	
04	ASC	IP	07 11 15.1				28	114	.1	
04	ACD	IP	07 11 15.2				29	122	.2	
04	ACE	IP	07 11 15.5				32	125	.0	
04	ASB	IP	07 11 16.3	7.5	.1	2.62	39	126	-.1	
		IS	07 11 21.7						-.2	
04	RAT	IP C	07 11 16.6	16.4	.1	2.98	41	309	-.1	
04	ASD	IP	07 11 16.9				43	117	-.1	
04	SSI	EP	07 11 20.3	4.4	.1	2.56	66	56	.0	
		IS	07 11 28.6						.0	
.....										
04	7 32	17.89	52.01 N 178.18 E	DEPTH = 134.5 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
04	RAT	IP D	07 32 36.3	191.2	.1	4.46	26	157	-.1	
		ES	07 32 49.8						-.0	
04	ANA	IP	07 32 37.7				54	142	.3	
04	AND	IP	07 32 38.5				73	133	.0	
04	ACF	IP	07 32 38.6				78	134	-.2	
04	ACC	IP	07 32 39.4				83	134	.2	
04	ACA	IP C	07 32 39.5				88	132	.0	
04	ACB	EP	07 32 39.6				88	134	.1	
04	ASC	IP	07 32 39.8				91	132	.1	
04	ACD	IP	07 32 39.9				92	134	.1	
04	ACE	IP	07 32 40.0				96	134	-.1	
04	SSI	IP D	07 32 40.1				97	97	-.1	
04	ASB	IP	07 32 40.5	44.8	.1	3.92	103	134	-.2	
		IS	07 32 57.1						-.2	
04	ASD	IP								

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JUL 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
04	8	9	22.06	52.45 N	178.84 E	DEPTH = 105.3 KM	FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
04	SSI	IP	08 09 40.0	10.5	.1	3.19	80	140	-.3	
		ES	08 09 53.8						.2	
04	ANA	IP	08 09 41.2				92	188	-.1	
04	AND	EP	08 09 41.9				99	175	.0	
04	ASC	EP	08 09 43.5				112	168	.4	
04	ASB	EP	08 09 44.1				124	167	-.2	
		ES	08 10 .3						-.3	
04	ASD	EP	08 09 44.3	2.2	.1	2.60	123	163	.1	
04	9	55	32.32	51.07 N	179.13 E	DEPTH = 59.4 KM	FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
04	ASD	EP	09 55 42.4	2.0	.1	2.21	38	22	-.4	
		IS	09 55 50.1						-.4	
04	ASB	EP	09 55 42.9	2.6	.1	2.32	33	14	.5	
04	ASC	IP	09 55 43.1				43	3	-.2	
04	ACA	EP	09 55 43.2				45	359	-.2	
04	ACD	IP	09 55 43.2				40	0	.3	
04	ACE	IP	09 55 43.2				37	4	.5	
04	ACB	IP	09 55 43.5				43	356	.2	
04	ACC	IP	09 55 43.6				46	352	.1	
04	ACF	IP	09 55 43.8				51	349	-.2	
04	AND	EP	09 55 43.9				56	347	-.5	
04	ANA	EP	09 55 46.0				70	332	.2	
04	SSI	IP	09 55 48.7	4.9	.1	2.80	97	19	-.2	
		IS	09 56 1.4						.5	
04	11	30	51.70	15.64 N	121.88 E	DEPTH = 33.0 KM	TELESEISMIC SOLUTION			
LUZON, PHILIPPINE ISLANDS										
04	ADK	EP	11 40 58.8				6703	39		
04	ASD	IP	11 56 42.7	2.0	.1	2.23				
		E(S)	11 56 50.7							
04	ASB	EP	11 56 43.2	2.4	.1	2.33				
04	ASC	EP	11 56 45.2							
04	AND	EP	11 56 47.5							
04	SSI	IP	11 56 49.2	9.3	.1					
		IS	11 57 16.9							
04	ADK	EP	12 13 32.6							
		ES	12 13 39.8							
04	12	29	14.34	51.09 N	179.07 E	DEPTH = 27.2 KM	FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
04	ASB	EP	12 29 21.3	4.7	.1	2.39	33	22	-.0	
		ES	12 29 26.3						-.1	
04	ACE	IP	12 29 21.7				36	11	.0	
04	ASD	EP	12 29 21.9	3.1	.1	2.25	39	29	-.2	
04	ACD	IP	12 29 22.1				38	7	.1	
04	ACB	IP	12 29 22.6				42	2	.1	
04	ASC	IP	12 29 22.7				42	9	.1	
04	ACA	EP	12 29 22.8</							

JUL 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
04	13 36 20.38		51.45 N 178.77 E				42.4 KM			FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
04	AND	EP	13 36 27.6				18	46	-.1	
04	ACF	EP	13 36 27.8				18	62	.1	
04	ACB	IP	13 36 28.0				22	87	-.0	
		ES	13 36 33.8						.2	
04	ANA	EP	13 36 28.1				21	339	.2	
04	ACD	EP	13 36 28.2				26	96	-.1	
04	ACE	EP	13 36 28.3				29	191	-.2	
04	ASC	EP	13 36 28.4				28	87	-.1	
04	ACA	EP	13 36 28.5				25	82	.3	
04	ASB	EP	13 36 28.7				35	107	-.4	
		ES	13 36 34.8						-.7	
04	RAT	IP	13 36 30.5	5.7	.1	2.64	49	322	-.2	
		ES	13 36 38.3						.1	
04	ASD	EP	13 36 30.9				40	99	1.2	
04	SSI	EP	13 36 33.7				75	49	-.2	
04	14 42 30.20		51.68 N 174.12 W				26.0 KM			TELESEISMIC SOLUTION
			ANDREANOF ISLANDS, ALEUTIANS ISLANDS							
04	ADK	IP	14 42 58.2				178	278	.4	4.5ML D 1.8
		IS	14 42 20.0						-.1	
04	AMA	IP	14 43 18.3	107.9	.3		348	265	-.6	
04	SSI	IP	14 43 30.6				434	276	1.2	
04	ASD	EP	14 43 32.1	14.6	.2		454	269	.3	LARGE REGIONAL
		E	14 43 37.4							
04	ASB	EP	14 43 32.8	18.9	.2		461	268	.1	
		E	14 44 33.4							
04	ACE	EP	14 43 33.7				465	269	.4	
04	ASC	EP	14 43 33.9				465	270	.6	
04	ACD	EP	14 43 34.1				467	269	.6	
04	ACA	EP	14 43 34.4				468	270	.8	
04	ACB	EP	14 43 34.5				470	270	.6	
04	AND	EP	14 43 35.8				479	271	.9	
04	ACF	EP	14 43 35.9				476	271	1.3	
04	ANA	EP	14 43 39.0				498	272	1.6	
04	15 37 13.74		51.52 N 179.75 W				75.9 KM			FREE DEPTH SOLUTION
			DELAROF ISLANDS, ALEUTIAN ISLANDS							
04	AMA	EP	15 37 26.8	5.7	.1	2.78	51	120	-.1	
		ES	15 37 36.5						.1	
04	SSI	IP	15 37 27.7	5.9	.1	2.82	62	312	-.0	
04	ASD	EP	15 37 27.8	1.7	.1	2.28	65	257	-.2	
04	ASB	IP	15 37 28.7	3.3	.1	2.66	72	256	.0	
		ES	15 37 39.5						-.0	
04	ASC	EP	15 37 29.2				76	265	.2	
04	15 54 11.35		52.00 N 178.77 W				204.6 KM			FREE DEPTH SOLUTION

JUL 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
04	16	5	29.33	51.48 N	179.97 W	DEPTH = 88.4 KM				FREE DEPTH SOLUTION
				DELAROF ISLANDS, ALEUTIAN ISLANDS						
04	ASD	EP	16 05 43.5	1.8	.1	2.32	49	258	.0	
04	ASB	EP	16 05 44.0				56	256	.0	
		ES	16 05 54.7						.0	
04	ASC	EP	16 05 44.3				60	268	.0	
.....										
04	17	36	25.61	50.53 N	176.85 E	DEPTH = 75.0 KM				FIXED DEPTH SOLUTION
				RAT ISLANDS, ALEUTIAN ISLANDS						
04	ANA	IP	17 36 51.7				176	45	-.3	
04	AND	EP	17 36 53.0				186	51	-.3	
04	ASB	EP	17 36 53.8	11.8	.1	3.42	191	60	-.2	
		ES	17 37 14.6						-.1	
04	ASC	EP	17 36 54.0				192	57	-.0	
04	ASD	EP	17 36 54.9	2.0	.1	2.65	199	60	.0	
04	SSI	IP	17 37 1.2				243	51	.9	
		IS	17 37 28.2						2.7	
.....										
04	18	41	38.30	51.60 N	174.14 W	DEPTH = 31.0 KM MB = 4.8				TELESEISMIC SOLUTION
				ANDREANOF ISLANDS, ALEUTIANS ISLANDS						
04	ADK	IP D	18 42 5.6				178	281	.1	4.6ML D 1.8 SE
		IS	18 42 28.0						.1	
		I	18 44 1.5							
04	AMA	EP	18 42 25.8				346	266	-.5	
04	NIK	EP	18 42 33.0				391	65	1.2	
04	SSI	IP	18 42 37.9				433	277	.9	
04	ASD	EP	18 42 39.3	24.5	.2		452	270	-.0	LARGE REGIONAL
04	ASB	EP	18 42 40.1	44.1	.3		459	269	-.1	
04	ASC	EP	18 42 41.3				464	271	.6	
04	AND	EP	18 42 43.3				477	272	.9	
04	ANA	EP	18 42 46.2				497	273	1.3	
04	RAT	EP	18 42 49.1				520	275	1.5	
.....										
04	ADK	EP	19 07 52.6							
		ES	19 07 14.8							
.....										
04	19	8	43.01	50.12 N	179.42 E	DEPTH = 25.0 KM				FREE DEPTH SOLUTION
				RAT ISLANDS, ALEUTIAN ISLANDS						
04	ASB	IP	19 09 5.4	9.5	.1	3.17	139	355	.0	
		ES	19 09 21.8						.1	
04	ASD	IP D	19 09 5.7	7.7	.1	3.09	142	358	-.1	
04	ASC	EP	19 09 7.1				151	353	-.1	
04	AND	EP	19 09 8.3				164	349	-.7	
04	AMA	EP	19 09 9.3	2.6	.1	2.68	167	38	-.0	
		ES	19 09 28.2						-.3	
04	ANA	EP	19 09 10.6				176	343	.1	
04	SSI	IP	19 09 14.1				198	3	.9	
.....										
04	19	48	37.75	51.75 N	179.53 E	DEPTH = 93.8 KM				FREE DEPTH SOLUTION
				RAT ISLANDS, ALEUTIAN ISLANDS						
04	SSI	IP D	19 48 51.1	29.8	.1	3.51	17	14	.0	
		IS	19 49 .7						-.1	
04	ASD	EP	19 48 51.9	7.3	.1	2.93	42	198	-.2	
04	ACA	EP	19 48 52.0				41	224	-.0	
		IS	19 49 2.7						.2	

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JUL 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS	
04	ASC	EP	19 48 52.2				41	219	.2		
04	ACB	IP	19 48 52.2				44	224	-.0		
04	ASB	EP	19 48 52.3	9.5	.1	3.05	47	204	-.1		
		ES	19 49 2.9						-.2		
04	ACC	IP	19 48 52.3				45	229	.1		
04	ACD	IP	19 48 52.3				45	218	.0		
04	ACE	IP	19 48 52.3				46	213	-.0		
04	ACF	IP	19 48 52.3				44	236	.1		
04	AND	EP	19 48 52.4				45	243	.1		
04	ANA	EP	19 48 53.5				61	258	.1		
04	RAT	IP C	19 48 54.9				83	274	-.2		
04	AMA	IP C	19 48 57.5				107	118	.0		
.....											
04	20 46 52.46	51.51 N 179.15 W DEPTH = 71.8 KM					FREE DEPTH SOLUTION				
		DELAROF ISLANDS, ALEUTIAN ISLANDS									
04	AMA	IP	20 47 3.3	20.0	.1	3.25	25	173	-.2		
		IS	20 47 11.8						.3		
04	SSI	IP	20 47 9.5				97	296	-.1		
04	ASD	IP	20 47 10.4	7.0	.1	3.00	105	263	-.2		
04	ASB	IP D	20 47 11.3	8.1	.1	3.08	112	262	-.1		
		ES	20 47 25.0						-.2		
04	ASC	EP	20 47 12.0				117	268	.1		
04	AND	EP	20 47 13.6				131	273	.0		
04	ANA	EP	20 47 16.3				152	276	.3		
.....											
04	22 59 .57	51.43 N 179.33 E DEPTH = 61.8 KM					FREE DEPTH SOLUTION				
		RAT ISLANDS, ALEUTIAN ISLANDS									
04	ASD	EP	22 59 9.8	8.1	.1	2.78	4	169	.0		
		ES	22 59 16.4						-.1		
04	ASB	IP	22 59 9.8	6.2	.1	2.66	10	217	-.1		
04	ACE	EP	22 59 9.8				11	253	-.1		
04	ACD	EP	22 59 9.9				13	269	-.1		
04	ASC	IP	22 59 10.0				12	288	.1		
04	ACA	IP	22 59 10.1				16	291	.1		
04	ACB	IP	22 59 10.1				17	282	.0		
04	ACC	IP	22 59 10.3				21	287	.1		
04	AND	EP	22 59 10.5				30	300	-.2		
04	ACF	IP	22 59 10.5				26	295	.1		
04	ANA	EP	22 59 12.5				51	295	.1		
04	SSI	IP D	22 59 12.7	17.6	.1	3.23	54	19	-.0		
04	RAT	IP D	22 59 15.3				80	301	-.1		
		IS	22 59 26.2						.0		
.....											
04	23 9 45.12	51.22 N 178.69 E DEPTH = 33.1 KM					FREE DEPTH SOLUTION				
		RAT ISLANDS, ALEUTIAN ISLANDS									
04	ACB	EP	23 09 53.5				39	46	.1		
04	ACC	EP	23 09 53.5				38	40	.2		
04	ACF	IP	23 09 53.7				40	32	.2		
04	ASB	EP	23 09 53.7	2.1	.1						

JUL 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
04	23 17 11.50		50.84 N 174.92 E			DEPTH = 37.0 KM	MB = 3.6			TELESEISMIC SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
04	ANA	IP	23 17 50.1				275	70	-0.0	
04	AND	IP	23 17 52.3				292	72	.0	
04	ASB	IP	23 17 54.4				308	77	.2	
		ES	23 18 24.8						-0.5	
04	ASC	EP	23 17 54.5				304	75	.8	
04	ASD	IP	23 17 55.3				315	77	.3	
04	SSI	IP	23 17 59.6	62.1	.1		345	68	.9	
		IS	23 18 34.2						1.0	
04	AMA	EP	23 18 9.2	7.6	.1		420	81	1.1	
.....										
04	23 37 6.21		51.78 N 176.98 E			DEPTH = 75.0 KM				FIXED DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
04	RAT	EP	23 37 22.8				93	88	-0.4	
		ES	23 37 34.9						-0.7	
04	ANA	EP	23 37 25.7				117	98	-0.2	
04	AND	EP	23 37 28.0				138	99	-0.3	
04	ASC	IP	23 37 30.2				155	102	-0.0	
04	ASB	EP	23 37 31.3	5.2	.1	3.01	164	106	.0	
04	ASD	EP	23 37 32.0	4.1	.1	2.91	169	104	.1	
		IS	23 37 51.0						.4	
04	SSI	IP	23 37 34.2	23.9	.1	3.70	180	85	1.0	
.....										
05	ASD	EP	01 35 29.0	5.2	.1	2.80				
05	ASB	EP	01 35 29.4	2.4	.1	2.48				
		ES	01 35 41.5							
05	ASC	IP	01 35 31.3							
05	AND	EP	01 35 34.6							
.....										
05	2 49 48.35		51.60 N 178.75 E			DEPTH = 70.2 KM				FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
05	ANA	EP	02 49 58.6				7	291	-0.0	
05	AND	IP	02 49 58.7				15	108	-0.1	
05	ACC	EP	02 49 59.2				24	123	.1	
05	ACB	IP	02 49 59.3				28	124	-0.0	
05	ACA	EP	02 49 59.4				29	118	.0	
05	ASC	EP	02 49 59.5				33	119	.0	
05	ACD	EP	02 49 59.6				33	126	-0.0	
05	ASB	EP	02 50 .4	2.9	.1	2.45	44	128	.1	
		ES	02 50 9.0						-0.1	
05	ASD	EP	02 50 .5	3.6	.1	2.55	47	120	-0.1	
05	SSI	IP	02 50 2.2	16.1	.1	3.25	66	61	-0.0	
		IS	02 50 12.4						.0	
.....										
5	2 50 50.30		61.38 N 147.84 W			DEPTH = 48.0 KM	MB = 3.6			TELESEISMIC SOLUTION
			SOUTHERN ALASKA							
.....										
05	6 37 37.90		51.42 N 178.79 E			DEPTH = 47.3 KM				FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
05	AND	IP	06 37 45.8				20	34	-0.1	
05	ACF	IP	06 37 45.9				18	48	.1	
05	ACC	IP	06 37 46.0				19	66	.2	
05	ACB	IP C	06 37 46.1				21	76	.1	
05	ACD	IP C	06 37 46.1				24	87	-0.0	

JUL 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
. 05	ACA	IP C	06 37 46.2				24	72	.1	
. 05	ACE	IP C	06 37 46.2				26	94	-.1	
. 05	ANA	IP	06 37 46.4				25	338	.2	
. 05	ASC	IP	06 37 46.5				26	78	.2	
. 05	ASB	IP	06 37 46.7	4.7	.1	2.51	32	101	-.1	
		IS	06 37 52.8						-.5	
. 05	ASD	IP	06 37 47.3	6.4	.1	2.67	38	94	-.0	
. 05	RAT	EP	06 37 48.6	6.6	.1	2.74	53	323	-.3	
. 05	SSI	IP D	06 37 51.8				76	46	.2	
		IS	06 38 1.4						-.2	
.....										
. 05	11 3 31.51	51.97 N 177.45 W DEPTH = 0.0 KM ANDREANOF ISLANDS, ALEUTIANS ISLANDS						FIXED DEPTH SOLUTION		
. 05	ADK	IP C	11 03 42.7				54	100	1.3	
		IS	11 03 51.1						2.6	
. 05	AMA	IP C	11 03 55.2	194.3	.2	4.17	137	237	.4	
. 05	SSI	IP D	11 04 5.3	193.3	.2		203	269	.5	
		IS	11 04 30.1						1.1	
. 05	ASD	IP C	11 04 7.8	15.0	.1		230	255	-.7	
. 05	ASB	IP D	11 04 8.9	26.7	.1		238	255	-.5	
		E	11 04 25.6							
. 05	ASC	EP	11 04 9.4				240	258	-.3	
. 05	AND	EP	11 04 11.0				252	261	-.1	
. 05	ANA	EP	11 04 13.5				270	263	.1	
. 05	RAT	IP C	11 04 15.8	27.3	.1		290	268	-.1	
.....										
. 05	11 12 27.58	50.81 N 179.28 W DEPTH = 30.5 KM DELAROF ISLANDS, ALEUTIAN ISLANDS						FREE DEPTH SOLUTION		
. 05	AMA	IP D	11 12 37.9	107.9	.2	3.60	54	12	.2	
		IS	11 12 44.7						-.3	
. 05	ASD	IP	11 12 46.6	3.1	.1	2.62	116	304	-.0	
		ES	11 13 .8						.3	
. 05	ASB	EP	11 12 47.0				120	301	-.2	
. 05	ASC	EP	11 12 48.9				131	304	.1	
. 05	SSI	IP	11 12 50.6	13.3	.1	3.34	144	327	.0	
. 05	AND	EP	11 12 51.4				149	305	.2	
. 05	RAT	EP	11 12 57.3				200	304	-.2	
.....										
. 05	ASD	EP	12 01 46.2	11.8	.2		NO S VISIBLE			
. 05	ASB	EP	12 01 47.2	19.8	.2					
. 05	ASC	EP	12 01 47.9							
. 05	AND	EP	12 01 49.4							
. 05	ANA	EP	12 01 51.8							
.....										
. 05	14 30 13.51	51.10 N 179.81 E DEPTH = 38.8 KM RAT ISLANDS, ALEUTIAN ISLANDS						FREE DEPTH SOLUTION		
. 05	ASD	IP D	14 30 23.2	29.8	.1	3.33	46	315	.1	
. 05	ASB	IP C	14 30 23.5	22.2	.1	3.22	49	307	.0	
		ES	14 30 30.4						-.3	
. 05	ACE	IP	14 30 24.3				56	307	-.0	
. 05	ACD	IP	14 30 24.9				59	308	.1	
. 05	ASC	IP D	14 30 25.1				60	312	.1	
. 05	ACB	IP	14 30 25.5				64	309	.0	
. 05	ACA	IP	14 30 25.6				64	312	.1	
		IS	14 30 33.7						-.5	
. 05	ACC	IP	14 30 26.0				68	309	-.0	
. 05	ACF	IP	14 30 26.9				74	310	.1	
. 05	AND	IP D	14 30 27.4				79	311	-.1	
. 05	AMA	EP	14 30 27.6	11.9	.1	3.08	78	74	.2	
		IS	14 30 36.9						-.6	

JUL 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
05	SSI	IP	14 30 29.4				90	350	.4	
05	ANA	IP C	14 30 30.1				99	307	-.1	
05	RAT	IP	14 30 33.8				129	308	-.1	
.....										
05	15 31	1.70	51.06 N 179.78 E	DEPTH = 25.0 KM			FIXED DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
05	ASD	IP	15 31 10.7	2.2	.1	2.17	48	320	.1	
		ES	15 31 17.6						.6	
05	ASB	EP	15 31 11.3	2.8	.1	2.28	50	312	.4	
05	ACE	EP	15 31 11.9				57	312	.0	
05	ACD	EP	15 31 12.5				61	312	.1	
05	ASC	EP	15 31 12.6				62	316	-.0	
05	ACB	EP	15 31 13.0				66	313	-.2	
05	ACA	EP	15 31 13.1				66	315	-.1	
05	ACC	EP	15 31 13.7				70	313	-.1	
05	ACF	EP	15 31 14.4				76	314	-.2	
05	AND	EP	15 31 14.9				80	314	-.4	
05	SSI	IP	15 31 17.5	3.3	.1	2.64	94	352	.3	
		IS	15 31 28.1						-.5	
.....										
05	17 36	51.77	52.06 N 179.11 E	DEPTH = 170.2 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
05	SSI	EP	17 37 14.8				37	119	-.1	
05	AND	EP	17 37 15.5				56	191	.0	
05	ASD	IP	17 37 16.3	5.0	.1	3.01	76	168	-.1	
05	ASC	IP	17 37 16.3				66	177	.4	
05	ASB	IP	17 37 16.6	4.2	.1	2.93	78	173	.1	
		ES	17 37 34.3						-.3	
05	AMA	EP	17 37 21.4	2.9	.1	2.85	149	124	-.3	
		ES	17 37 43.8						.3	
.....										
05	ADK	IP D	20 00 24.5							
		IS	20 00 33.0							
05	AMA	EP	20 00 34.6							
		ES	20 00 51.0							
05	SSI	IP	20 00 46.0							
05	ASD	EP	20 00 47.7	7.6	.1					
05	ASB	EP	20 00 48.7	17.3	.1					
		ES	20 01 16.1							
05	ASC	EP	20 00 49.5							
05	AND	EP	20 00 51.8							
05	ANA	IP D	20 00 54.7							
05	RAT	IP	20 00 56.9							
05	RAT	IP C	20 30 19.6	19.7	.1					
05	ANA	EP	20 30 19.8							
05	AND	EP	20 30 21.0							
05	ASB	EP	20 30 22.3	2.1	.1	2.34				
		ES	20 30 32.2							
05	ASD	EP	20 30 24.0							POOR P
05	SSI	IP	20 30 29.5							
		IS	20 30 44.8							
.....										
06	1 46	42.57	51.39 N 179.60 E	DEPTH = 25.2 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
06	ASD	IP	01 46 47.7	5.5	.1	2.33	18	269	.0	
06	ASB	IP	01 46 48.4	9.3	.1	2.61	25	262	.0	
		IS	01 46 52.6						-.0	
06	ACE	IP D	01 46 48.9				29	272	-.1	
06	ASC	IP	01 46 49.2				31	285	.0	

JUL 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
. 06	ACA	IP	01 46 49.6				35	287	-.0	
.		IS	01 46 54.7						-.0	
. 06	ACB	IP	01 46 49.7				36	283	-.1	
. 06	AND	IP	01 46 51.9				48	293	.4	
. 06	SSI	IP D	01 46 52.5				56	359	-.0	
. 06	ANA	EP	01 46 54.4				70	292	-.2	
.....										
06	ADK	IP D	06 11 26.7							
		IS	06 11 36.0							
.....										
. 06	8 58 17.14	51.28 N 179.40 E	DEPTH = 32.1 KM							FREE DEPTH SOLUTION
.		RAT ISLANDS, ALEUTIAN ISLANDS								
. 06	ASD	IP	08 58 22.8	6.0	.1	2.42	13	343	.0	
. 06	ASB	EP	08 58 22.9				14	312	.1	
.		ES	08 58 27.0						.0	
. 06	ACE	EP	08 58 23.2				21	311	-.2	
. 06	ACD	EP	08 58 23.8				25	313	.1	
. 06	ACA	EP	08 58 24.2				30	320	-.1	
. 06	ACB	EP	08 58 24.3				30	314	.1	
. 06	AND	EP	08 58 26.0				44	316	.0	
.....										
. 06	10 30 3.56	51.56 N 179.94 W	DEPTH = 76.3 KM							FREE DEPTH SOLUTION
.		DELAROF ISLANDS, ALEUTIAN ISLANDS								
. 06	SSI	EP	10 30 16.7				50	319	.1	
. 06	ASD	IP C	10 30 16.8	24.4	.1	3.42	53	250	-.1	
. 06	ASB	IP D	10 30 17.5	31.1	.1	3.54	60	249	.0	
.		IS	10 30 27.6						-.0	
. 06	ACF	IP	10 30 17.7				74	268	-1.0	
. 06	ASC	IP	10 30 17.8				63	261	.1	
. 06	AMA	IP	10 30 17.9				65	117	.1	
.		ES	10 30 28.1						-.2	
. 06	ACE	IP	10 30 18.0				64	255	.2	
. 06	ACA	IP	10 30 18.1				66	263	.2	
. 06	ACD	IP	10 30 18.1				66	258	.2	
. 06	ACB	IP	10 30 18.2				68	262	.1	
. 06	ACC	IP	10 30 18.5				71	264	.1	
. 06	AND	IP D	10 30 18.7				77	271	-.3	
. 06	ANA	IP C	10 30 21.2				97	275	.2	
.....										
06	AMA	EP	11 21 58.5	2.9	.1	2.07				
		IS	11 22 2.0							
06	ASD	IP C	11 22 9.6	11.1	.1	3.14				
06	ASB	EP	11 22 10.6							
		ES	11 22 23.3							
06	SSI	IP	11 22 10.7	1.7	.1					
06	ASC	IP	11 22 12.0							
06	AND	EP	11 22 14.0							
06	ANA	EP	11 22 15.2							
.....										
. 06	13 28 26.06	51.06 N 179.30 W	DEPTH = 33.2 KM MB = 4.1							FREE DEPTH SOLUTION
.		DELAROF ISLANDS, ALEUTIAN ISLANDS								
. 06	AMA	IP D	13 28 33.1				29	28	-.1	
. 06	ASD	IP D	13 28 43.0				102	292	-.0	LARGE AMP
.		E	13 34 34.6							
. 06	ASB	IP	13 28 43.8				107	289	.0	
.		IS	13 28 56.5						-.2	
. 06	ASC	IP	13 28 45.4				116	293	.2	
. 06	SSI	IP D	13 28 45.9				120	321	.1	
. 06	AND	EP	13 28 47.3				134	295	-.3	
. 06	ANA	EP	13 28 50.1				155	295	-.1	

JUL 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
06	RAT	IP D	13 28 54.1				184	297	.3	
		ES	13 29 16.5						2.5	
06	ADK	IP	13 28 55.4				203	62	-0.8	0
		IS	13 29 19.7						1.6	
06	NIK	EP	13 30 5.5				746	69	2.3	
.....										
06	ADK	IP D	19 18 52.9							
		IS	19 19 .7							
06	ADK	IP	19 30 29.7							
		IS	19 30 37.6							
06	ADK	IP	22 42 18.3							
		IS	22 42 22.2							
06	ADK	IP	23 16 8.2							
		IS	23 16 17.5							
.....										
06	23 22 14.00		50.94 N 178.33 E							DEPTH = 25.0 KM
			RAT ISLANDS, ALEUTIAN ISLANDS							FIXED DEPTH SOLUTION
06	ASB	IP	23 22 27.5	20.0	.1	3.29	79	54	.1	
		ES	23 22 36.5						-0.6	
06	AND	IP	23 22 27.6				82	32	-0.2	
06	ANA	IP	23 22 27.8				80	17	.3	
06	ASC	IP	23 22 28.2				82	45	.4	
06	ASD	IP	23 22 28.3	13.6	.1	3.15	86	54	-0.2	
06	RAT	EP	23 22 29.5	37.3	.1	3.63	96	360	-0.3	
06	SSI	EP	23 22 36.1	39.9	.1	3.79	137	39	.0	
		IS	23 22 52.6						.4	
.....										
07	ADK	IP	02 06 50.2							
		IS	02 06 58.7							
07	ADK	IP D	04 19 9.7							
		IS	04 19 19.7							
07	AMA	IP C	04 19 15.1							
07	ASD	EP	04 19 29.2							
		I	04 19 30.8	42.3	.1					
		IS	04 20 .8							
07	SSI	IP C	04 19 29.2	126.3	.1					
07	ASB	EP	04 19 30.8							
07	ASC	EP	04 19 32.3							
07	AND	EP	04 19 35.2							
07	ANA	IP	04 19 37.1							
		I	04 19 38.4							
07	ADK	EP	10 28 16.0							
		ES	10 28 44.0							
.....										
07	11 18 20.76		51.46 N 177.49 W							DEPTH = 0.0 KM
			ANDREANOF ISLANDS, ALEUTIANS ISLANDS							FIXED DEPTH SOLUTION
07	ADK	IP D	11 18 35.3				73	49	1.3	
		IS	11 18 45.2						1.5	
07	AMA	IP	11 18 40.6	367.0	.3		114	261	.1	
		I	11 18 43.6	149.2	.1	4.29				
07	SSI	EP	11 18 54.7				208	285	.1	
07	ASD	IP D	11 18 55.8				220	269	-0.6	
		I	11 18 58.7	47.2	.2					
		IS	11 19 22.8						.4	
07	ASB	IP D	11 18 57.1				227	269	-0.2	
07	ASC	IP	11 18 58.0				232	271	.1	
07	AND	EP	11 18 59.7				247	274	-0.0	
07	RAT	EP	11 18 59.9				292	279	-5.3	

JUL 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
07	ANA	IP	11 19 3.9				267	276	1.7	
07	15 33 19.48		51.00 N 179.41 E							DEPTH = 20.9 KM RAT ISLANDS, ALEUTIAN ISLANDS
07	ASB	IP	15 33 27.3	15.3	.1	2.94	42	344	.0	
07	IS		15 33 33.0						.0	
07	ASD	IP	15 33 27.6	13.7	.1	2.91	44	354	.0	
07	SSI	EP	15 33 36.0				101	7	.0	
07	19 15 54.06		52.01 N 178.49 E							DEPTH = 128.9 KM RAT ISLANDS, ALEUTIAN ISLANDS
07	RAT	EP	19 16 11.7				26	205	-.2	
07	IS		19 16 24.6						-.3	
07	ANA	IP	19 16 12.6				44	164	.1	
07	AND	IP	19 16 13.2				59	147	-.0	
07	SSI	IP	19 16 14.5				77	99	.2	
07	ASC	IP	19 16 15.0				77	142	.7	
07	ASB	IP	19 16 15.1	215.9	.1	4.57	89	144	-.1	
07	ES		19 16 30.7						.0	
07	ASD	IP	19 16 15.2				91	139	-.1	
07	AMA	EP	19 16 23.8	57.6	.2	3.84	184	115	-.3	
08	SSI	IP	00 12 39.0							
08	IS		00 12 47.9							
08	AMA	IP	01 02 42.1							
08	SSI	IP	01 02 45.0							
08	IS		01 02 55.0							
08	4 31 34.80		51.62 N 179.12 E							DEPTH = 16.8 KM RAT ISLANDS, ALEUTIAN ISLANDS
08	AND	IP	04 31 38.3				13	241	-.2	
08	ACA	IP	04 31 38.8				16	180	.0	
08	ACC	IP	04 31 38.9				16	199	.1	
08	ACB	IP	04 31 39.0				18	187	-.0	
08	ASC	IP	04 31 39.1				18	170	.1	
08	ACD	IP	04 31 39.6				21	177	.1	
08	ASD	EP	04 31 40.5	1.4	.1	1.78	30	149	-.2	
08	ASB	IP	04 31 40.7	5.6	.1	2.39	30	163	-.0	
08	IS		04 31 45.0						-.0	
08	ANA	IP	04 31 41.0				32	271	.1	
08	SSI	IP	04 31 42.8	11.0	.1	2.80	44	47	.0	
08	IS		04 31 48.6						.0	
08	RAT	IP	04 31 44.8				58	290	-.0	
08	RAT	IP	07 44 3.6	21.3	.1					
08	ANA	EP	07 44 16.4							
08	AND	EP	07 44 18.5							
08	ASC	EP	07 44 21.2							
08	ASB	EP	07 44 21.6							
08	E(S)		07 44 59.1							POOR P. POOR S.
08	SMY	EP	07 44 22.0							
08	ASD	EP	07 44 22.1							POOR P
08	SSI	IP	07 44 25.2							
08	AMA	EP	07 44 39.1							
08	ES		07 45 23.1							
08	GMA	EP	07 48 2.4							

JUL 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
08	12 15	46.64	52.10 N 179.45 E	DEPTH = 193.0 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
08	SSI	IP	12 16 12.2	30.0	.1	3.80	25	157	-.0	
08	AND	EP	12 16 13.5				69	210	-.1	
08	ASC	EP	12 16 13.9				74	196	.1	
08	ANA	IP D	12 16 14.0				76	226	.1	
08	ASD	IP	12 16 14.1				79	185	.1	
08	RAT	IP C	12 16 14.2	59.6	.1	4.13	84	247	-.1	
		IS	12 16 34.4						-.0	
08	ASB	EP	12 16 14.3				83	190	.1	
		ES	12 16 34.1						-.3	
08	AMA	EP	12 16 17.2				134	132	-.3	
		ES	12 16 40.3						.3	
.....										
08	12 43	30.18	51.39 N 178.75 E	DEPTH = 45.2 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
08	AND	EP	12 43 38.2				23	37	.0	
08	ACC	IP	12 43 38.2				23	63	.1	
08	ACB	EP	12 43 38.3				25	72	.0	
08	ACF	IP	12 43 38.3				22	49	.2	
08	ACA	EP	12 43 38.5				27	69	.0	
08	ACD	EP	12 43 38.6				27	82	.1	
08	ACE	IP	12 43 38.6				29	88	-.0	
08	ASC	IP	12 43 38.8				30	75	.1	
08	ASB	IP	12 43 39.0	4.2	.1	2.46	35	96	-.1	
		IS	12 43 45.2						-.4	
08	ASD	IP	12 43 39.8	4.8	.1	2.54	41	90	.0	
		IS	12 43 46.5						-.2	
08	RAT	IP	12 43 40.9	3.8	.1	2.50	54	327	-.3	
.....										
08	12 46	59.85	50.97 N 179.99 E	DEPTH = 32.7 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
08	ASD	EP	12 47 11.3				66	316	-.3	
08	AMA	IP	12 47 12.1	5.9	.1	2.74	72	60	-.4	
		ES	12 47 22.2						.4	
08	ASB	EP	12 47 12.3				68	310	.3	
		ES	12 47 20.1						-.7	
08	ASC	EP	12 47 14.1				80	314	.4	
08	AND	EP	12 47 16.5				98	313	.2	
08	SSI	IP	12 47 17.7	28.8	.1	3.56	107	345	.1	
08	RAT	EP	12 47 23.1				148	309	-.1	
.....										
08	14 0	.10	37.11 N 116.05 W	DEPTH = 0.0 KM MB = 5.5			TELESEISMIC SOLUTION			
SOUTHERN NEVADA										
08	ADK	EP	14 08 12.0				4937	309		
.....										
08	RAT	IP C	14 34 21.9	124.0	.2	3.99				
		IS	14 34 37.4							
08	ANA	IP	14 34 22.6							
08	AND	IP C	14 34 23.0							
08	ASC	EP	14 34 24.1							
08	ASD	IP C	14 34 24.7	14.8	.1					
08	ASB	IP D	14 34 24.9	37.8	.1					
		IS	14 34 51.7							
08	SSI	IP	14 34 33.4							
08	AMA	EP	14 34 41.8							

JUL 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
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8	14 42	5.00	62.53 N 151.17 W	DEPTH = 116.0 KM			TELESEISMIC SOLUTION			
CENTRAL ALASKA										

08	16 0 44.36	51.41 N 179.58 E	DEPTH = 11.9 KM			FREE DEPTH SOLUTION				
RAT ISLANDS, ALEUTIAN ISLANDS										

08	ASD	IP	16 00 48.0	25.1	.1	2.83	17	261	-.1	
		IS	16 00 50.8						-.0	
08	ASB	EP	16 00 49.2	35.6	.1	3.09	24	256	-.0	
		IS	16 00 52.7						-.1	
08	ASC	IP C	16 00 50.0				29	281	-.0	
08	ACE	EP	16 00 50.0				28	267	.1	
08	ACA	EP	16 00 50.4				33	283	-.2	
08	ACD	EP	16 00 50.4				31	273	.1	
08	ACB	EP	16 00 50.7				35	279	-.1	
08	ACC	EP	16 00 51.5				38	282	.1	
08	ACF	EP	16 00 51.9				43	287	-.1	
08	AND	EP D	16 00 52.6				47	291	-.0	
08	SSI	IP C	16 00 53.6	20.5	.1	3.13	53	0	-.1	
08	ANA	IP D	16 00 56.0				68	291	.1	
08	AMA	EP	16 01 0.0				92	98	.5	
		IS	16 01 9.9						-.7	
08	RAT	IP	16 01 .3	22.4	.1	3.40	97	297	.1	

08	19 7	3.00	6.96 S 129.62 E	DEPTH = 56.0 KM MB = 6.2			TELESEISMIC SOLUTION			
BANDA SEA										

08	ASD	IP D	19 18 24.7	25.5	.4		8011	30		
08	ADK	EP	19 18 37.0				8267	31		
		ES	19 28 3.0							

08	20 28 51.56	51.24 N 179.16 W	DEPTH = 0.0 KM			FIXED DEPTH SOLUTION				
DELAROF ISLANDS, ALEUTIAN ISLANDS										

08	AMA	IP D	20 29 .1				6	34	7.5	
08	ASD	IP	20 29 10.1	42.1	.1	3.71	106	279	.1	
08	ASB	IP	20 29 10.7	51.1	.1	3.81	112	277	-.2	
		IS	20 29 24.9						-.1	
08	ACE	IP	20 29 11.6				117	279	-.2	
08	ASC	IP	20 29 12.2				119	282	.2	
08	ACD	IP	20 29 12.3				120	280	.1	
08	ACA	IP	20 29 12.7				123	283	.1	
08	ACB	IP	20 29 12.8				124	282	.0	
08	SSI	IP	20 29 13.1				113	310	2.0	
08	ACC	IP	20 29 13.4				128	283	.0	
08	ACF	EP	20 29 14.1				132	284	.1	
08	AND	IP	20 29 14.4				136	286	-.2	
08	ANA	IP	20 29 17.5				157	287	-.3	
08	RAT	IP C	20 29 21.1				185	290	-.9	
		IS	20 29 44.6						.5	
08	ADK	EP	20 29 23.5				185	66	1.4	
		ES	20 29 46.3						2.0	

08	20 49 46.98	51.70 N 179.54 E	DEPTH = 149.6 KM			FREE DEPTH SOLUTION				
RAT ISLANDS, ALEUTIAN ISLANDS										

08	ASD	EP	20 50 7.6	1.1	.1	2.28	37	202	-.0	
08	ASC	EP	20 50 7.6				37	225	-.0	
08	ASB	EP	20 50 7.8	1.4	.1	2.38	43	208	-.0	

JUL 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
		ES	20 50 23.0						-0.0	
08	ADK	IP C	21 14 6.3							
		IS	21 14 28.8							
08	AMA	IP C	21 14 20.1							
		IS	21 14 51.9							
08	SSI	IP	21 14 25.9							
08	ASD	IP C	21 14 29.0							
08	ASB	IP	21 14 29.8							
		ES	21 15 8.3							
08	ASC	IP	21 14 30.3							
08	AND	IP	21 14 30.9							
08	ANA	IP	21 14 33.0							
08	RAT	IP	21 14 34.6	247.9	.4					
08	ADK	EP	23 40 5.7							
		ES	23 40 21.7							
08	AMA	IP	23 40 16.6	15.2	.1					
		IS	23 40 39.4							
08	SSI	IP	23 40 23.4	31.7	.1					
08	ASD	EP	23 40 26.6	3.4	.1					
08	ASB	IP	23 40 27.5	6.2	.1					
		EP	23 40 57.1							
08	ASC	IP	23 40 28.1							
08	AND	EP	23 40 28.8							
08	ANA	EP	23 40 31.1							
09	0 12 26.80		51.57 N 179.92 E	DEPTH = 76.9 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
09	ASD	EP	00 12 39.6	1.3	.1	2.11	45	244	.1	
09	ASB	EP	00 12 40.1	1.9	.1	2.31	52	244	-0.0	
		ES	00 12 49.8						-0.0	
09	ASC	EP	00 12 40.1				54	257	-0.1	
09	AND	EP	00 12 41.4				67	270	.1	
09	ASB	EP	01 02 42.1	2.1	.1	2.24				
09	ASC	IP D	01 02 43.5							
		IS	01 02 52.1							
09	AND	EP	01 02 45.9							
09	RAT	IP	02 58 34.7							
09	ANA	EP	02 58 37.2							
09	AND	EP	02 58 39.0							REGIONAL
09	ASC	IP D	02 58 42.3							
09	ASB	IP	02 58 43.2							
09	ASD	EP	02 58 43.6							
09	SSI	IP	02 58 46.6							
09	AMA	EP	02 58 59.6							
		E(S)	02 59 16.4							
09	ADK	EP	02 59 21.2							
09	3 3 18.80		32.52 S 71.19 W	DEPTH = 58.0 KM MB = 6.5			TELESEISMIC SOLUTION			
			NEAR COAST OF CENTRAL CHILE							
09	ADK	EP	03 18 50.0				13793	314	8.0MS	
		EPKP	03 22 11.0							
		EPS	03 34 0.0							
09	ADK	IP D	05 27 33.4							
		IS	05 27 43.4							
09	AMA	IP C	05 27 43.7							
		I	05 27 46.7	237.5	.3					
09	SSI	IP	05 27 57.8	26.6	.1					

JUL 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
09	ASD	EP	05 27 59.4	23.4	.3					
09	ASB	EP	05 27 59.5							
		ES	05 28 39.8							
09	ASC	EP	05 28 .7							
09	AND	EP	05 28 2.7							
09	ANA	EP	05 28 5.7							
09	RAT	EP	05 28 8.7							
09	AND	EP	05 38 30.8							
09	ANA	IP	05 38 30.9							
09	ASC	IP	05 38 31.0							
09	ASD	IP	05 38 31.1	4.6	.1	2.94				
09	ASB	IP	05 38 31.3	4.3	.1	2.91				
		ES	05 38 50.4							
09	RAT	IP C	05 38 31.3	10.4	.1	3.31				
		ES	05 38 51.0							
09	SSI	EP	05 38 35.6	5.4	.1					
09	ADK	IP	07 45 3.6							
		ES	07 45 30.0							
09	AMA	IP D	08 02 52.5							
09	ADK	IP D	08 03 1.7							
		IS	08 03 27.6							
09	SSI	IP	08 03 2.1							
09	ASD	IP	08 03 3.2							
		I	08 03 6.8	12.3	.1	3.32				
		I(S)	08 03 20.2							
09	ASB	EP	08 03 4.1							
		I	08 03 8.1							
		S	08 03 21.8							
09	ASB	EP	08 03 4.1							
		I	08 03 8.1	2.1	.1	2.57				
		IS	08 03 21.8							
09	ASC	EP	08 03 4.7							
09	AND	EP	08 03 6.4							
09	ANA	EP	08 03 8.8							
09	RAT	EP	08 03 11.7							
		ES	08 03 35.7							
09	RAT	EP	08 38 56.5	198.7	.1					
09	ANA	EP	08 38 58.8							
09	AND	EP	08 39 .7							
09	ASC	EP	08 39 2.7							
09	ASB	EP	08 39 2.8							
09	ASD	EP	08 39 3.6							
		I	08 39 12.8	155.8	.3	3.97				
		I(S)	08 39 21.8							
09	SMY	EP	08 39 4.1							
09	SSI	IP	08 39 8.1							
09	AMA	EP	08 39 18.8							
09	ADK	EP	08 39 39.3							
09	NIK	EP	08 40 48.0							
09	GMA	EP	08 42 45.1							

.....
 09 9 49 43.70 5.94 S 154.44 E DEPTH = 65.0 KM MB = 5.3 TELESEISMIC SOLUTION
 SOLOMON ISLANDS

.....
 09 ADK EP 10 00 3.5 6968 20

09 ADK EP 10 10 0.0 3.5ML D 0.5
 IS 10 10 9.5
 09 AMA IP 10 10 19.9 161.9 .2
 09 SSI IP 10 10 30.8 162.3 .2
 09 ASD EP 10 10 32.8 25.9 .1
 09 ASB EP 10 10 33.8 30.8 .1
 IS 10 11 9.2

JUL 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
09	ASC	IP	10 10 34.7							
09	AND	EP	10 10 36.4							
09	ANA	EP	10 10 38.8							
09	RAT	EP	10 10 41.4	24.8	.1					
09	AMA	IP	10 14 16.4	12.7	.2					
		IS	10 14 39.1							
09	ASD	EP	10 14 20.9	2.2	.1					
09	ASB	EP	10 14 21.5	3.6	.1					
		ES	10 14 46.6							
09	ASC	EP	10 14 21.6							
09	AND	EP	10 14 22.4							
09	ANA	EP	10 14 24.3							
.....										
09	10 40 58.74	51.60 N 179.68 E DEPTH = 75.2 KM RAT ISLANDS, ALEUTIAN ISLANDS								FREE DEPTH SOLUTION
09	ASD	IP	10 41 10.3	19.2	.1	2.99	33	225	-.2	
09	SSI	EP	10 41 10.6	9.8	.1	2.97	33	350	.0	
		IS	10 41 19.0						-.2	
09	ASB	IP	10 41 10.9	9.5	.1	2.97	40	228	-.1	
		ES	10 41 19.6						-.3	
09	ASC	IP	10 41 10.9				39	247	.0	
09	ACA	IP	10 41 11.0				41	251	-.0	
		IS	10 41 20.4						.4	
09	ACE	IP	10 41 11.0				41	238	-.1	
09	ACB	IP	10 41 11.2				43	250	.0	
09	ACD	EP	10 41 11.2				42	243	.1	
09	ACC	EP	10 41 11.4				46	254	.0	
09	AND	EP	10 41 11.7				50	266	.0	
09	ANA	IP	10 41 13.7				70	273	.3	
09	AMA	IP	10 41 15.4	4.3	.1	2.76	91	112	-.1	
		IS	10 41 28.1						.3	
09	RAT	IP	10 41 15.9				95	284	-.1	
.....										
09	11 25 59.35	51.10 N 179.32 E DEPTH = 27.3 KM RAT ISLANDS, ALEUTIAN ISLANDS								FREE DEPTH SOLUTION
09	ASB	IP	11 26 6.0	13.7	.1	2.83	29	350	.1	
		ES	11 26 10.6						-.0	
09	ASD	IP	11 26 6.1	11.2	.1	2.76	32	3	-.1	
09	ACE	EP	11 26 6.5				35	343	-.1	
09	ACD	IP	11 26 7.1				38	341	.1	
09	ASC	IP	11 26 7.5				41	345	.1	
09	ACB	EP	11 26 7.8				43	338	.1	
09	ACA	EP	11 26 7.9				44	342	.1	
09	ACC	IP	11 26 8.2				46	336	.1	
09	AND	IP	11 26 9.4				57	334	-.2	
09	SSI	IP	11 26 14.4	13.2	.1	3.15	90	12	.0	
		IS	11 26 25.4						.0	
.....										
09	11 45 42.54	51.13 N 179.69 E DEPTH = 28.5 KM RAT ISLANDS, ALEUTIAN ISLANDS								FREE DEPTH SOLUTION
09	ASD	IP	11 45 50.2	3.4	.1	2.28	37	320	.0	
09	ASB	EP	11 45 50.5	1.4	.1	1.92	40	310	.0	
		ES	11 45 56.3						.0	
09	ASC	EP	11 45 52.1				52	315	.0	
.....										
09	ADK	IP	14 27 28.8							
		ES	14 27 37.5							
		E	14 28 10.3							

JUL 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
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09	ADK	EP	14 50 51.9							
		ES	14 51 1.4							

09	14 59 2.07	51.96 N 178.47 E DEPTH = 116.8 KM				FREE DEPTH SOLUTION				
RAT ISLANDS, ALEUTIAN ISLANDS										
09	RAT	IP D	14 59 18.4	29.8	.1	3.60	21	207	.1	
		IS	14 59 30.3						.2	
09	ANA	IP D	14 59 19.1				40	160	.2	
09	AND	IP D	14 59 19.6				56	143	-.1	
09	ASC	IP	14 59 20.7				74	139	-.2	
09	SSI	IP D	14 59 20.9	26.6	.1	3.62	77	95	-.3	
09	ASB	IP D	14 59 21.6	52.6	.1	3.93	86	141	-.2	
		ES	14 59 36.3						.1	
09	ASD	IP C	14 59 21.8	39.2	.1	3.80	88	136	-.2	
09	AMA	EP	14 59 31.8	7.6	.1	3.25	184	113	.5	

09	AND	EP	15 18 42.0							
09	ACB	IP	15 18 42.2							
09	ACA	EP	15 18 42.4							
09	ACD	IP	15 18 42.4							
09	ACE	IP	15 18 42.4							
09	ASC	EP	15 18 42.6							
09	ASB	EP	15 18 42.9	1.6	.1	2.02				
		ES	15 18 48.9							
09	ASD	EP	15 18 43.5	1.5	.1	2.04				
09	SSI	EP	15 18 46.0							
		I	15 18 48.0	8.3	.1	3.02				
		IS	15 18 58.1							

09	15 33 21.65	51.56 N 178.79 E DEPTH = 26.7 KM				FREE DEPTH SOLUTION				
RAT ISLANDS, ALEUTIAN ISLANDS										
09	AND	IP D	15 33 26.0				11	89	-.4	
09	ANA	IP C	15 33 26.2				12	308	-.3	
09	ACC	IP C	15 33 27.1				19	116	.0	
09	ACB	IP C	15 33 27.6				23	118	.1	
09	ACA	IP C	15 33 27.7				24	111	.1	
09	ACD	EP D	15 33 28.2				28	122	.2	
09	ASC	IP D	15 33 28.2				28	113	.2	
09	ACE	IP D	15 33 28.6				32	124	.1	
09	ASB	IP C	15 33 29.4	26.3	.1	3.18	39	125	.1	
		IS	15 33 34.7						-.2	
09	RAT	IP C	15 33 29.8	28.4	.1	3.23	42	310	.1	
09	ASD	IP C	15 33 30.0	40.5	.1	3.39	42	116	.2	
09	SSI	EP	15 33 33.4	19.8	.1	3.22	66	56	.2	
		IS	15 33 41.7						.1	
09	AMA	EP	15 33 45.0	5.2	.1	2.94	149	101	-.5	
		ES	15 34 2.5						-.4	

09	16 30 8.96	51.50 N 179.67 E DEPTH = 63.0 KM				FREE DEPTH SOLUTION				
RAT ISLANDS, ALEUTIAN ISLANDS										
09	ASD	EP	16 30 18.9	10.8	.1	2.93	25	242	-.1	
		IS	16 30 26.4						.1	
09	ASB	IP D	16 30 19.5				33	242	.1	
		IS	16 30 26.9						-.2	
09	ACE	EP	16 30 19.6				36	253	-.1	
09	ASC	IP	16 30 19.7				35	264	.1	
09	ACA	IP	16 30 19.8				38	267	-.3	
09	ACD	IP	16 30 19.8				38	258	.0	
09	ACB	IP	16 30 20.0				40	265	.0	
09	SSI	IP	16 30 20.3	17.1	.1	3.19	44	353	.0	
09	ACC	IP	16 30 20.3				43	268	.1	

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JUL 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
. 09	AND	IP	16 30 20.6				50	279	-.2	
. 09	ANA	IP	16 30 23.0				71	282	.2	
. 09	AMA	EP	16 30 24.7	7.6	.1	2.97	88	105	-.0	
. 09	RAT	IP	16 30 25.7				98	290	-.1	
.		ES	16 30 38.2						.0	
.....										
. 09	16 46 45.55	51.57 N 178.80 E DEPTH = 21.0 KM						FREE DEPTH SOLUTION		
.		RAT ISLANDS, ALEUTIAN ISLANDS								
. 09	AND	IP	16 46 49.4				11	94	-.1	
. 09	ANA	IP D	16 46 49.6				12	304	.0	
. 09	ACC	IP	16 46 50.4				19	119	.1	
. 09	ACA	IP D	16 46 50.9				24	114	-.0	
. 09	ACB	IP D	16 46 50.9				23	120	.1	
. 09	ACD	EP	16 46 51.5				28	124	.1	
. 09	ASC	IP	16 46 51.5				28	115	.1	
. 09	ASB	IP	16 46 52.8	3.5	.1	2.28	39	127	-.1	
.		IS	16 46 58.1						-.1	
. 09	ASD	IP	16 46 53.4	5.0	.1	2.46	42	118	-.0	
.		IS	16 46 59.2						.0	
. 09	SSI	EP	16 46 56.7				65	56	-.1	
.		IS	16 47 5.0						.1	
.....										
. 09	16 44 15.50	43.49 N 147.73 E DEPTH = 44.0 KM MB = 4.8						TELESEISMIC SOLUTION		
.		KURIL ISLANDS								
. 09	ADK	EP	16 49 20.0				2799	58		
.....										
. 09	ASD	IP	17 57 36.3	1.5	.1	2.03				
. 09	ASB	EP	17 57 36.7							
.		ES	17 57 43.3							
. 09	ASD	EP	19 21 55.6	1.8	.1	2.19				
.		ES	19 22 3.6							
. 09	ASB	EP	19 21 56.6							
. 09	ASC	EP	19 21 57.4							
.....										
. 09	19 58 42.90	51.20 N 178.08 W DEPTH = 26.0 KM						TELESEISMIC SOLUTION		
.		ANDREANOF ISLANDS, ALEUTIANS ISLANDS								
. 09	AMA	IP C	19 58 55.9	158.3	.2	3.86	73	278	.5	
.		IS	19 59 4.5						-.0	
. 09	ADK	IP	19 59 3.5				123	51	.6	
.		IS	19 59 18.0						.6	
. 09	SSI	IP	19 59 9.8				179	296	-.9	
. 09	ASD	IP	19 59 10.0	7.7	.1	3.19	181	278	-.9	
. 09	ASB	EP	19 59 10.8	5.8	.1	3.08	187	277	-.9	
.		ES	19 59 31.0						-1.7	
. 09	AND	EP	19 59 14.5				210	282	-.0	
. 09	ANA	EP	19 59 16.9				232	283	-.2	
. 09	RAT	EP	19 59 20.0				258	286	-.4	
.....										
. 09	20 26 29.18	51.78 N 179.16 E DEPTH = 46.6 KM						FREE DEPTH SOLUTION		
.		RAT ISLANDS, ALEUTIAN ISLANDS								
. 09	SSI	IP D	20 26 38.0	9.8	.1	2.82	32	67	-.0	
. 09	AND	IP D	20 26 38.0				28	210	.3	
. 09	ANA	EP	20 26 38.3				38	244	-.3	
. 09	ASD	IP	20 26 39.0	1.3	.1	1.99	45	163	-.3	
. 09	ASB	EP	20 26 39.8				47	172	.3	
.		ES	20 26 46.7						-.3	

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JUL 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
09	22 49 53.03		51.42 N 178.82 E				44.0			FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
09	ACC	IP	22 50 .4				17	64	-.1	
09	AND	IP	22 50 .6				19	30	-.0	
09	ACB	IP	22 50 .7				20	75	.0	
09	ACD	IP	22 50 .9				22	86	.1	
09	ACA	IP	22 50 1.0				22	71	.2	
09	ACE	IP	22 50 1.0				25	94	-.0	
09	ANA	EP	22 50 1.0				26	335	-.1	
09	ASC	IP	22 50 1.2				25	78	.2	
09	ASB	IP	22 50 1.4	3.2	.1	2.31	30	102	-.1	
		ES	22 50 7.4						-.2	
09	ASD	IP	22 50 2.0	3.2	.1	2.34	36	94	-.1	
09	SSI	IP	22 50 6.5	3.7	.1	2.57	75	45	-.0	
		IS	22 50 16.4						.0	
09	23 1 51.40		52.53 N 169.50 W				41.0		MB = 4.2	TELESEISMIC SOLUTION
			FOX ISLANDS, ALEUTIAN ISLANDS							
09	ADK	EP	23 02 58.1				496	265		
09	AMA	IP	23 03 19.3	29.7	.2		675	262		
09	SSI	EP	23 03 30.9				749	269		
09	ASD	IP	23 03 33.4	23.0	.2		777	265		
09	ASB	EP	23 03 34.2	30.2	.2		784	265		
09	ASC	IP	23 03 35.1				787	266		
09	AND	EP	23 03 36.9				799	267		
09	ANA	EP	23 03 39.3				817	268		
09	RAT	EP	23 03 41.6				836	269		
10	4 48 54.12		51.90 N 179.34 E				142.1			FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
10	SSI	IP	04 49 13.0	13.7	.1	3.34	17	93	-.3	
		IS	04 49 27.7						.3	
10	AND	EP	04 49 14.2				46	216	.0	
10	ACA	EP	04 49 14.2				49	198	-.1	
10	ASC	EP	04 49 14.3				50	194	-.0	
10	ACF	EP	04 49 14.3				48	210	.1	
10	ACB	IP	04 49 14.4				52	230	-.0	
10	ACC	IP	04 49 14.5				51	204	.1	
10	ASD	EP	04 49 14.6	7.6	.1	3.11	57	180	-.0	
10	ACD	EP	04 49 14.6				54	195	.1	
10	ANA	EP	04 49 14.7				56	237	.1	
10	ACE	IP	04 49 14.7				57	192	.1	
10	ASB	EP	04 49 14.9	7.9	.1	3.13	60	186	.1	
		ES	04 49 29.6						-.3	
10	RAT	IP	04 49 15.3				70	261	-.1	
10	AMA	IP	04 49 19.6				127	122	.0	
10	5 23 50.90		6.07 S 154.52 E				51.0		MB = 5.8	TELESEISMIC SOLUTION

JUL 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
10	7 40	53.89	52.14 N 179.84 E	DEPTH = 175.0 KM			FIXED DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
10	ASD	E(P)	07 41 20.0	3.2	.1	2.84	90	202	.1	
10	ASC	EP	07 41 20.2				88	212	.4	
10	ANA	EP	07 41 20.2				99	235	-.2	
10	ASB	EP	07 41 20.4	2.6	.1	2.75	96	205	.2	
		ES	07 41 38.8						-.6	
10	RAT	IP D	07 41 20.6	9.3	.1	3.32	110	251	-.6	
		ES	07 41 41.8						.7	
.....										
10	7 48	48.93	51.56 N 179.38 E	DEPTH = 63.0 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
10	ASC	EP	07 48 58.6				19	234	-.1	
10	ACA	EP	07 48 58.6				20	244	-.1	
10	ASD	EP	07 48 58.7	3.1	.1	2.38	19	189	.0	
10	ACE	EP	07 48 58.8				23	220	-.0	
10	ASB	EP	07 48 58.9	4.3	.1	2.54	24	203	-.0	
		ES	07 49 6.2						.0	
10	ACD	EP	07 48 58.9				23	230	.1	
10	ACB	EP	07 48 59.0				23	242	.2	
10	SSI	IP	07 48 59.9	6.1	.1	2.73	39	21	.0	
.....										
10	8 40	41.80	51.24 N 178.61 E	DEPTH = 0.0 KM			FIXED DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
10	AND	EP	08 40 49.2				43	33	-.5	
10	ACF	IP	08 40 49.3				42	40	-.1	
10	ACB	IP C	08 40 49.5				42	53	.1	
10	ANA	IP	08 40 49.7				43	5	-.0	
10	ACA	IP C	08 40 49.7				45	52	-.2	
10	ACD	IP	08 40 49.7				42	60	.2	
10	ACE	IP	08 40 49.7				43	65	.0	
10	ASB	E(P)	08 40 50.2	.7	.1	1.60	46	73	-.0	
		ES	08 40 56.2						-.2	
10	ASD	E(P)	08 40 50.9	1.0	.1	1.81	54	71	-.7	
10	ASC	EP	08 40 54.9				46	57	.7	
.....										
10	17 18	36.07	51.22 N 178.76 E	DEPTH = 25.0 KM			FIXED DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
10	ACE	IP	17 18 43.1				35	55	-.1	
10	ASB	IP C	17 18 43.3	11.9	.1	2.82	38	65	-.2	
		IS	17 18 48.5						-.4	
10	ACD	IP	17 18 43.3				35	49	.1	
10	ACB	IP	17 18 43.4				36	41	.1	
10	ACC	IP	17 18 43.4				36	34	.2	
10	ACA	IP D	17 18 43.7				39	41	.1	
10	ASC	IP D	17 18 43.8				39	46	.1	
10	AND	IP C	17 18 44.0				41	20	.1	
10	ANA	IP C	17 18 45.0				46	352	.4	
10	RAT	IP	17 18 47.9				71	336	-.4	
		IS	17 18 56.9						-.3	

JUL 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
10	22 21	17.06	51.44 N 179.57 E DEPTH = 62.7 KM					FREE DEPTH SOLUTION		
			RAT ISLANDS, ALEUTIAN ISLANDS							
10	ASD	IP 0	22 21 26.6	23.1	.1	3.25	17	251	-.1	
10	ASB	IP	22 21 27.1	78.2	.1	3.79	24	249	.1	
		IS	22 21 34.1						-.1	
10	ASC	IP	22 21 27.4				28	275	.2	
10	AND	IP	22 21 28.3				45	288	-.1	
10	SSI	EP	22 21 28.9				50	2	-.0	
10	AMA	IP	22 21 33.4				93	100	.0	
10	RAT	EP	22 21 33.4				95	295	-.1	
		ES	22 21 45.7						.2	
.....										
11	AMA	EP	02 23 12.3							
		IS	02 23 15.4							
11	ASD	EP	02 23 24.3	3.3	.1	2.68				
11	ASB	EP	02 23 25.6							
		ES	02 23 38.9							
11	ASC	EP	02 23 26.9							
.....										
11	5 29	8.39	51.04 N 179.23 E DEPTH = 34.8 KM					FREE DEPTH SOLUTION		
			RAT ISLANDS, ALEUTIAN ISLANDS							
11	ASB	IP 0	05 29 16.4				35	2	.0	
		ES	05 29 22.2						-.0	
11	ASD	IP 0	05 29 16.8	6.7	.1	2.63	40	12	-.1	
11	ACE	IP	05 29 16.9				40	354	-.0	
11	ACD	IP	05 29 17.4				43	352	.1	
11	ASC	IP	05 29 17.9				47	355	.1	
11	ACB	IP	05 29 17.9				48	348	.0	
11	ACA	IP	05 29 18.1				49	351	-.0	
11	AND	EP	05 29 19.6				61	342	-.0	
11	ANA	EP	05 29 21.7				76	329	-.0	
.....										
11	9 38	39.90	51.50 N 175.60 W DEPTH = 33.0 KM					TELESEISMIC SOLUTION		
			ANDREANOF ISLANDS, ALEUTIANS ISLANDS							
11	ADK	EP	09 38 53.4				86	300	-1.2	
11	AMA	EP	09 39 14.6				245	266	-.5	
11	SSI	IP	09 39 26.5				335	279	.4	
11	ASD	EP	09 39 28.8	8.4	.1		351	270	.5	REGIONAL
11	ASB	EP	09 39 30.0				358	269	.9	
11	ASC	IP	09 39 30.4				363	271	.7	
11	AND	EP	09 39 31.9				377	273	.4	
11	ANA	EP	09 39 34.2				397	274	.2	
11	RAT	EP	09 39 37.2				420	277	.4	
.....										
11	10 7	25.99	51.01 N 179.12 E DEPTH = 25.5 KM					FREE DEPTH SOLUTION		
			RAT ISLANDS, ALEUTIAN ISLANDS							
11	ASB	IP 0	10 07 33.7				40	13	-.1	
		IS	10 07 39.6						.2	
11	ASD	IP 0	10 07 34.1				45	20	-.4	
11	ACE	IP	10 07 34.3				44	5	.0	
11	ACD	IP	10 07 34.8				46	1	.1	
11	ASC	IP	10 07 35.2				50	3	-.0	
11	ACB	IP	10 07 35.3				50	358	.1	
11	ACA	IP	10 07 35.6				52	360	.1	
11	AND	EP	10 07 36.9				62	349	-.1	
11	ANA	EP	10 07 39.1				76	335	.2	
11	RAT	EP	10 07 43.0				104	328	-.0	
		ES	10 07 55.2						-.3	

JUL 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
11	SSI	IP	10 07 43.1	13.3	.1	3.21	103	18	.1	
.....										
11	11 44 21.34		52.06 N 179.40 E	DEPTH = 127.6 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
11	AND	EP	11 44 40.5				63	209	-.1	
11	ASC	IP	11 44 41.0				68	194	.1	
11	ANA	IP	11 44 41.0				70	227	.0	
11	ASD	EP	11 44 41.3	2.8	.1	2.66	74	183	.0	
11	ASB	EP	11 44 41.5				78	188	-.1	
		ES	11 44 56.3						-.0	
11	RAT	IP	11 44 41.6	12.8	.1	3.33	79	249	.0	
11	AMA	IP	11 44 46.2	7.9	.1	3.20	134	129	-.0	
.....										
11	12 58 40.97		51.72 N 179.09 E	DEPTH = 56.2 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
11	ASC	EP	12 58 53.6				29	170	.1	
11	ANA	IP	12 58 53.6				31	252	-.0	
11	ASD	EP	12 58 51.2	2.4	.1	2.29	40	154	-.1	
11	ASB	EP	12 58 51.5	1.5	.1	2.12	41	165	.1	
		ES	12 58 59.0						-.0	
.....										
11	ANA	EP	13 01 55.6							
11	AND	EP	13 01 57.4							
11	ASC	EP	13 02 .7							
11	ADK	EP	21 51 19.0							
11	ASB	IP	23 35 51.4	7.5	.1	2.69				
		ES	23 35 57.3							
11	ASD	IP	23 35 51.8	2.9	.1	2.30				
12	RAT	IP	01 20 45.4	5.7	.1	2.69				
		IS	01 20 53.4							
12	ANA	IP	01 20 47.5							
12	AND	EP	01 20 49.4							
12	ACF	IP	01 20 50.0							
12	ACB	IP	01 20 50.8							
12	ACA	IP	01 20 51.0							
12	ACD	IP	01 20 51.1							
12	ACE	IP	01 20 51.3							
12	ASC	EP	01 20 51.4							
12	ASB	EP	01 20 52.0	5.6	.1	2.86				
		ES	01 21 4.5							
12	ASD	IP	01 20 53.0	6.7	.1	2.96				
12	SSI	IP	01 20 55.3							
12	ANA	IP	02 31 24.0							
12	AND	EP	02 31 25.3							
12	ACB	EP	02 31 25.4							
12	ACE	IP	02 31 25.4							
12	ACD	IP	02 31 25.5							
12	ASB	IP	02 31 25.7	6.3	.1					
		ES	02 31 49.2							
12	ACA	IP	02 31 25.8							
12	ASC	EP	02 31 26.0							
12	ASD	EP	02 31 26.8	2.5	.1					
12	SSI	IP	02 31 33.5	36.9	.2					
		IS	02 32 2.5							

JUL 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
12	5 25 33.48		51.73 N 176.29 E	DEPTH = 50.0 KM			FIXED DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
12	RAT	IP D	05 25 54.5	169.4	.2	4.15	141	86	-7	
		IS	05 26 8.6						-2.4	
12	ANA	IP	05 25 58.0				164	93	-0	
12	AND	EP	05 26 .3				185	95	-3	
12	ASC	EP	05 26 2.2				201	97	-4	
12	ASB	EP	05 26 3.2				209	100	-4	
		ES	05 26 25.5						-0	
12	ASD	EP	05 26 4.1	59.2	.2		215	99	-2	
12	SSI	IP	05 26 6.5	75.4	.1		228	84	.6	
12	AMA	IP D	05 26 20.4				323	97	2.8	
12	11 23 29.52		51.24 N 179.99 W	DEPTH = 30.8 KM			FREE DEPTH SOLUTION			
			DELAROF ISLANDS, ALEUTIAN ISLANDS							
12	ASD	IP C	11 23 39.0	9.0	.1	2.80	50	291	.0	
12	ASB	IP	11 23 39.8				55	285	.1	
		ES	11 23 47.1						-0	
12	ACE	IP	11 23 40.5				61	288	-1	
12	AMA	IP	11 23 40.5	12.8	.1	3.02	61	84	-0	
12	ACD	IP	11 23 41.0				65	290	-0	
12	ASC	IP	11 23 41.1				64	294	.1	
12	ACA	IP	11 23 41.5				68	294	-0	
12	ACB	IP	11 23 41.5				69	292	-1	
12	SSI	IP	11 23 43.1				79	338	.0	
12	14 7 21.90		49.98 N 177.81 W	DEPTH = 75.0 KM			FIXED DEPTH SOLUTION			
			ANDREANOF ISLANDS, ALEUTIAN ISLANDS							
12	AMA	IP	14 07 47.6	17.3	.1	3.55	173	328	-4	
		ES	14 08 7.3						-1	
12	ASD	EP	14 07 57.6	2.5	.1		256	309	-4	
12	ASB	EP	14 07 58.4	2.3	.1		259	308	-0	
		EP	14 08 24.1							
12	ASC	EP	14 07 59.8				270	309	-0	
12	AND	EP	14 08 1.9				289	309	-2	
12	SSI	IP	14 08 2.0				281	320	.9	
12	ANA	EP	14 08 4.8				309	308	.2	
12	15 49 11.40		52.05 N 173.18 E	DEPTH = 25.0 KM MB = 5.3			TELESEISMIC SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
12	SMY	EP	15 49 29.2				99	39	1.5	
12	RAT	EP	15 50 1.2				354	92	.3	
12	SSI	EP	15 50 1.9				440	90	-9.5	
12	ANA	EP	15 50 4.0				380	95	-0	
12	AND	EP	15 50 7.5				401	95	.9	
12	ASC	EP	15 50 8.1				417	97	-5	
12	ASD	EP	15 50 10.5				431	97	.2	VERY EMERGENT
		I	15 50 11.7							
12	ASB	EP	15 50 11.0				425	98	1.4	
		ES	15 50 52.9						.8	
12	AMA	EP	15 50 25.7				539	96	2.1	
12	AOK	EP	15 50 44.5				695	88	1.6	4.9ML D 4.5
		EL	15 52 0.0							
12	NIK	EP	15 51 50.3				1218	78	2.4	
12	GMA	EP	15 53 30.0				2086	34	-4.6	

JUL 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
12	16 36 59.60		51.83 N 175.27 W			DEPTH = 47.0 KM			MB = 4.5	TELESEISMIC SOLUTION
			ANDREANOF ISLANDS, ALEUTIANS ISLANDS							
12	ADK	IP D	16 37 16.3				98	274	.4	4.9ML D 0.9
		IS	16 37 28.3						.5	
12	AMA	IP	16 37 37.4				273	259	-.1	
12	SSI	EP	16 37 48.5				354	273	1.0	
12	ASD	EP	16 37 51.0				376	265	.8	
		I	16 37 53.6							
12	ASB	EP	16 37 51.7				383	264	.6	
		I	16 37 54.4							
		E	16 38 43.0							
12	ASC	EP	16 37 52.8				387	266	1.2	
12	AND	EP	16 37 54.7				400	268	1.5	
12	ANA	EP	16 37 57.3				419	269	1.7	
12	RAT	EP	16 37 59.6				441	272	1.4	
12	NIK	EP	16 38 1.4				454	71	1.5	
.....										
12	16 48 35.35		51.25 N 178.47 E			DEPTH = 37.1 KM				FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
12	ANA	EP	16 48 44.7				44	17	.1	
12	AND	EP	16 48 45.0				48	44	-.1	
12	ASC	EP	16 48 45.8				54	63	-.0	
12	ASB	EP	16 48 46.3				55	77	.3	
		ES	16 48 53.6						-.2	
12	ASD	EP	16 48 47.0				63	75	.0	
12	SSI	IP D	16 48 52.8	14.1	.1	3.25	105	47	-.2	
		IS	16 49 6.2						.3	
.....										
12	ADK	EP	20 18 27.0							
		ES	20 18 50.5							
12	AMA	IP C	20 18 45.9							
		ES	20 19 23.4							
12	SSI	IP	20 18 53.8	84.8	.2					
12	ASD	IP	20 18 56.4	151.9	.2					
12	ASB	IP	20 18 57.4	429.8	.2					
		ES	20 19 43.8							
12	ASC	IP	20 18 58.0							
12	AND	IP	20 18 58.9							
12	ANA	IP	20 19 1.0							
12	RAT	IP	20 19 3.2							
.....										
12	22 0 34.07		50.86 N 178.33 E			DEPTH = 0.0 KM				FIXED DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
12	ASB	EP	22 00 49.5	3.3	.1	2.51	85	49	.1	
		ES	22 01 .6						.1	
12	AND	EP	22 00 50.0				90	29	-.1	
12	ANA	IP C	22 00 50.0				89	15	.1	
12	ASC	EP	22 00 50.2				89	41	-.2	
12	ASD	EP	22 00 50.3	2.2	.1	2.38	92	50	-.2	
12	SSI	IP	22 00 58.1				145	37	-.3	
		IS	22 01 16.0						-.1	
.....										
12	22 57 6.90		51.64 N 174.13 W			DEPTH = 14.0 KM			MB = 5.0	TELESEISMIC SOLUTION
			ANDREANOF ISLANDS, ALEUTIANS ISLANDS							
12	ADK	EP D	22 57 36.1				178	280	1.0	
		ES	22 57 57.0						1.3	
12	AMA	EP	22 57 55.8				348	266	-.7	
12	SSI	IP	22 58 8.5				434	276	1.3	

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JUL 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
12	ASD	IP	22 58 9.9				453	269	.4	
12	ASB	EP	22 58 10.6				460	269	.2	
		E	22 59 13.8							
12	ASC	EP C	22 58 11.8				465	270	.8	
12	AND	EP	22 58 13.6				478	272	.9	
12	ANA	EP	22 58 16.3				498	273	1.2	
12	RAT	EP	22 58 29.5				520	275	11.7	
.....										
12	NIK	EP	23 58 4.4							
.....										
13	2 27 17.37	51.67 N 177.90 E DEPTH = 60.5 KM						FREE DEPTH SOLUTION		
RAT ISLANDS, ALEUTIAN ISLANDS										
13	RAT	IP C	02 27 27.6				33	64	-.0	
		IS	02 27 35.0						-.1	
13	ANA	IP	02 27 29.4				53	95	.1	
13	AND	IP	02 27 31.3				74	99	-.1	
13	ASC	IP	02 27 33.5				91	104	.2	
13	ASB	IP	02 27 34.1	20.0	.1	3.42	100	110	-.2	
		ES	02 27 46.7						.0	
13	ASD	IP D	02 27 34.9	8.3	.1	3.05	105	107	-.0	
13	SSI	IP D	02 27 36.6				119	77	-.0	
.....										
13	2 28 44.23	50.70 N 178.87 W DEPTH = 50.0 KM						FIXED DEPTH SOLUTION		
DELAROF ISLANDS, ALEUTIAN ISLANDS										
13	AMA	IP D	02 28 56.8				67	346	-.2	
		IS	02 29 3.5						-2.8	
13	ASD	IP C	02 29 6.2	11.9	.2	3.01	147	302	-.4	
13	ASB	EP	02 29 6.7	8.2	.1	3.16	151	300	-.4	
		ES	02 29 23.7						-.1	
13	ASC	IP	02 29 8.4				161	302	-.0	
13	SSI	IP	02 29 9.9	5.1	.1	2.99	171	322	.3	
13	AND	EP	02 29 10.5				180	303	-.2	
13	ANA	EP	02 29 13.7				201	302	.4	
13	RAT	IP	02 29 17.5				230	303	.6	
.....										
13	3 53 40.51	51.56 N 178.77 E DEPTH = 24.2 KM						FREE DEPTH SOLUTION		
RAT ISLANDS, ALEUTIAN ISLANDS										
13	AND	IP	03 53 44.7				13	86	-.3	
13	ANA	IP	03 53 44.9				11	316	-.0	
13	ACA	EP	03 53 46.2				26	109	-.1	
13	ACB	IP	03 53 46.2				24	115	-.0	
13	ACD	IP	03 53 46.8				29	119	.0	
13	ASC	IP	03 53 46.9				29	110	.1	
		IS	03 53 51.9						.5	
13	ASB	IP D	03 53 48.1	3.7	.1	2.32	40	123	-.0	
13	RAT	EP	03 53 48.4	1.4	.1	1.91	41	312	.1	
		IS	03 53 54.2						.2	
13	ASD	IP	03 53 48.7	2.9	.1	2.25	44	114	-.0	
.....										
13	4 18 6.87	51.60 N 178.79 E DEPTH = 25.0 KM						FIXED DEPTH SOLUTION		
RAT ISLANDS, ALEUTIAN ISLANDS										
13	AND	IP D	04 18 11.							

JUL 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
13	ADK	EP	05 30 1.3							
		ES	05 30 23.7							
.....										
13	6 59 56.46		51.77 N 178.24 E	DEPTH = 82.7 KM						FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
13	RAT	IP C	07 00 8.1	27.3	.2	3.12	7	57	-.2	
		IS	07 00 16.8						-.1	
13	ANA	IP	07 00 9.3				33	118	.2	
13	AND	IP	07 00 10.7				54	114	.3	
13	ASB	EP	07 00 12.8				83	123	-.1	
		ES	07 00 24.9						-.1	
13	ASD	IP	07 00 13.2	4.1	.1	2.74	87	118	-.1	
13	SSI	IP D	07 00 14.0	11.8	.2	2.92	94	81	-.0	
.....										
13	AMA	EP	14 44 19.6	25.7	.2	3.24				
		ES	14 44 32.8							
13	SSI	IP	14 44 30.1	5.9	.1					
13	ASD	EP	14 44 33.7	1.3	.1					
13	ASB	EP	14 44 34.6	1.9	.1					
		ES	14 45 0.0							
13	ASC	EP	14 44 35.7							
.....										
13	15 27 5.33		51.86 N 179.62 E	DEPTH = 104.6 KM						FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
13	SSI	IP C	15 27 19.9	33.2	.1	3.60	4	333	.1	
13	ASD	IP C	15 27 21.7	33.0	.1	3.64	55	200	.1	
13	AND	IP	15 27 21.7				56	235	-.0	
13	ASC	IP	15 27 21.8				54	216	.2	
13	ASB	IP	15 27 22.0	19.8	.1	3.43	61	205	-.0	
		IS	15 27 34.1						-.1	
13	ANA	IP	15 27 22.9				71	249	.2	
13	RAT	IP C	15 27 24.0	24.8	.1	3.58	89	266	-.2	
		ES	15 27 37.7						-.2	
13	AMA	IP	15 27 25.8	67.0	.1	4.05	109	125	-.2	
.....										
13	15 35 21.59		51.66 N 177.74 E	DEPTH = 62.2 KM						FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
13	RAT	EP	15 35 32.5				43	69	-.3	
13	ANA	EP	15 35 34.8				53	93	.2	
13	AND	EP	15 35 37.6				84	97	.7	
13	ASC	EP	15 35 38.9				101	102	.2	
13	ASB	EP	15 35 39.3				109	107	-.4	
13	ASD	EP	15 35 40.2				115	104	-.2	
		ES	15 35 53.9						-.2	
13	SSI	EP	15 35 42.1	6.3	.1	3.00	130	78	-.1	
.....										
13	20 17 31.82		53.36 N 178.95 W	DEPTH = 50.0 KM						FIXED DEPTH SOLUTION
			DELAROF ISLANDS, ALEUTIAN ISLANDS							
13	AMA	EP	20 18 4.4	2.9	.1		230	183	-.1	
		ES	20 18 28.2						-.2	
13	ANA	EP	20 18 5.8				251	221	-1.3	
13	AND	EP	20 18 7.1				245	216	.8	
13	ASB	EP	20 18 7.9				254	210	.5	
		ES	20 18 33.4						.1	
.....										
13	AMA	EP	21 26 47.2	8.7	.2	2.91				
		ES	21 27 6.0							

JUL 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
13	ASD	IP	21 26 52.9	2.4	.1					
		ES	21 27 15.6							
13	ASB	EP	21 26 53.3							
13	ASC	EP	21 26 54.9							
13	AND	EP	21 26 56.8							
13	RAT	EP	21 27 3.2							

.....

13	22	2	31.29	51.40 N 178.56 E	DEPTH = 25.0 KM	FIXED DEPTH SOLUTION				
RAT ISLANDS, ALEUTIAN ISLANDS										
13	ANA	IP	22 02 37.7				27	16	.4	
13	AND	IP	22 02 38.1				33	56	-.0	
13	ACF	EP	22 02 38.2				33	65	.0	
13	ACC	EP	22 02 38.7				35	74	.3	
13	ACB	EP	22 02 38.9				38	79	.2	
13	ACD	EP	22 02 39.2				40	85	.1	
13	ACA	EP	22 02 39.3				40	76	.2	
13	ACE	IP	22 02 39.4				43	89	-.0	
13	ASC	IP	22 02 39.5				43	80	.1	
13	ASB	IP	22 02 39.9				48	95	-.3	
		ES	22 02 45.8						-.8	
13	RAT	IP	22 02 39.9	13.4	.1	2.94	47	341	-.2	
		ES	22 02 45.9						-.6	
13	ASD	IP	22 02 40.7	6.9	.1	2.69	54	90	-.4	

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13	22	36	23.90	50.33 N 177.72 E	DEPTH = 33.0 KM	TELESEISMIC SOLUTION				
RAT ISLANDS, ALEUTIAN ISLANDS										
13	ACF	EP	22 36 44.4				157	40	-.9	
13	ASB	EP	22 36 44.6				157	43	-.7	
		ES	22 37 3.2						.1	
13	ACB	IP	22 36 44.7				158	37	-.8	
13	ACC	EP	22 36 44.7				158	36	-.8	
13	ACD	EP	22 36 44.7				157	39	-.7	
13	ANA	EP	22 36 44.9				158	24	-.6	
13	AND	EP	22 36 45.1				162	32	-.8	
13	ACA	EP	22 36 45.1				161	37	-.7	
13	ASD	EP	22 36 45.2	2.1	.1	2.59	164	44	-1.0	
13	RAT	EP	22 36 45.9				169	14	-.9	
13	AMA	EP	22 36 56.3	2.4	.1		247	63	-.1	
		ES	22 37 44.2						21.8	

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13	22	47	49.51	51.40 N 178.57 E	DEPTH = 55.2 KM	FREE DEPTH SOLUTION				
RAT ISLANDS, ALEUTIAN ISLANDS										
13	ANA	IP	22 47 58.8				26	14	.1	
13	AND	IP	22 47 59.1				32	56	-.0	
13	ACF	IP	22 47 59.3				33	65	.1	
13	ACC	IP	22 47 59.4				34	74	.1	
13	ACB	IP	22 47 59.6				37	79	.1	
13	ACA	IP	22 47 59.9				39	77	.2	
13	ACD	IP	22 47 59.9				39	85	.2	
13	ACE	IP	22 47 59.9				42	90	-.0	
13	ASC	IP	22 48 0.0				42	80	.1	
13	RAT	EP	22 48 .2	4.9	.1	2.62	47	340	-.2	
13	ASB	IP	22 48 .3				47	95	-.1	
		ES	22 48 8.0						-.4	
13	ASD	IP	22 48 .9	2.1	.1	2.28	54	91	-.2	

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JUL 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
14	0	1	49.20	9.33 N	126.17 E	DEPTH = 73.0 KM	MB = 5.4	TELESEISMIC SOLUTION		
MINDANAO, PHILIPPINE ISLANDS										
14	ADK	E	00 12 9.0				6975	36		
.....										
14	2	37	23.37	51.39 N	178.79 E	DEPTH = 42.8 KM	FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
14	AND	EP	02 37 30.9				23	31	-.2	
14	ACC	IP	02 37 31.0				21	59	.0	
14	ACF	IP	02 37 31.0				21	43	.0	
14	ACB	IP	02 37 31.2				23	68	.1	
14	ACD	IP	02 37 31.3				25	79	.1	
14	ACA	IP	02 37 31.4				25	66	.1	
14	ACE	IP	02 37 31.4				27	87	-.0	
14	ANA	EP	02 37 31.5				28	342	-.0	
14	ASC	EP	02 37 31.6				28	72	.1	
14	ASB	EP	02 37 31.8	3.0	.1	2.29	32	95	-.1	
		ES	02 37 38.0						-.1	
14	ASD	EP	02 37 32.5	3.4	.1	2.36	39	89	-.0	
.....										
14	2	44	12.33	51.58 N	178.80 E	DEPTH = 27.3 KM	FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
14	AND	IP D	02 44 16.7				11	99	-.4	
14	ANA	EP	02 44 17.0				11	299	-.2	
14	ACB	IP	02 44 18.2				24	122	-.1	
14	ACA	IP	02 44 18.3				24	116	-.0	
14	ASC	EP	02 44 18.8				28	117	.0	
14	ACD	IP	02 44 18.8				28	125	.0	
14	ACE	IP	02 44 19.2				32	127	-.1	
14	ASB	EP	02 44 19.9				39	128	-.2	
		ES	02 44 25.3						-.5	
14	ACC	IP	02 44 20.0				20	122	2.1	
14	ASD	EP	02 44 20.5	4.8	.1	2.47	43	119	-.1	
.....										
14	3	28	48.26	51.38 N	179.15 E	DEPTH = 61.9 KM	FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
14	ASC	EP	03 28 57.4				10	5	-.2	
14	ACE	EP	03 28 57.4				3	27	-.1	
14	ASB	EP	03 28 57.5				7	105	.0	
		ES	03 29 4.1						-.1	
14	ACB	IP	03 28 57.5				11	336	-.1	
14	ASD	EP	03 28 57.6	2.1	.1	2.20	13	83	-.0	
14	ACA	EP	03 28 57.7				12	349	.1	
		ES	03 29 4.5						.1	
14	ACD	IP	03 28 57.8				6	349	.3	
14	ANA	IP	03 28 59.4				44	309	-.1	
.....										
14	4	23	22.10	50.84 N	178.08 E	DEPTH = 25.9 KM	FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
14	ANA	EP	04 23 38.2				97	25	.1	
14	ACB	IP	04 23 38.5				99	45	-.0	
14	AND	IP	04 23 38.6				101	37	-.2	
14	ACD	IP	04 23 38.6				99	48	.1	
14	ACC	IP	04 23 38.7				98	43	.3	
		IS	04 23 50.5						.2	
14	ASB	EP	04 23 38.9	3.5	.1	2.62	100	54	.2	

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JUL 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS	
.		ES	04 23 50.5						-2		
. 14	ACA	IP	04 23 38.9				102	45	-0		
. 14	ASC	IP	04 23 39.0				103	47	-1		
. 14	ASD	EP	04 23 39.5				108	55	-3		
. 14	RAT	EP	04 23 39.8				108	9	-1		
. 14	SSI	EP	04 23 47.2				157	41	0		
.....											
. 14	5 21 57.78	51.03 N 178.51 E DEPTH = 0.0 KM					FIXED DEPTH SOLUTION				
RAT ISLANDS, ALEUTIAN ISLANDS											
. 14	ASC	EP	05 22 9.8				66	43	-0		
. 14	ASD	EP	05 22 9.9				71	55	-7		
.		ES	05 22 20.0						0		
. 14	ANA	IP	05 22 10.0				67	9	0		
. 14	ASB	EP	05 22 10.1	2.3	.1	2.24	63	54	.8		
.....											
. 14	6 18 20.37	51.97 N 179.96 E DEPTH = 137.1 KM					FREE DEPTH SOLUTION				
RAT ISLANDS, ALEUTIAN ISLANDS											
. 14	SSI	EP	06 18 39.2	2.2	.1	2.53	27	252	0		
. 14	ASD	EP	06 18 41.5	1.8	.1	2.50	77	214	-0		
. 14	ASC	EP	06 18 41.8				79	225	.2		
. 14	ASB	IP	06 18 42.0	4.8	.1	2.93	84	217	0		
.		ES	06 18 57.5						-2		
. 14	AND	EP	06 18 42.0				83	237	.1		
. 14	AMA	EP	06 18 42.9	2.4	.1	2.65	99	139	-2		
.		ES	06 18 59.8						.2		
. 14	ANA	EP	06 18 43.0				98	248	.1		
. 14	RAT	EP	06 18 44.1				114	261	-2		
.....											
. 14	6 11 29.60	5.50 S 153.89 E DEPTH = 49.0 KM MB = 6.1 MS = 7.7 TELESEISMIC SOLUTION									
NEW IRELAND REGION											
. 14	ASB	EP	06 21 39.1				6746	18			
. 14	ASD	EP	06 21 39.4				6752	18		TELESEISMIC	
. 14	ASC	EP	06 21 40.6				6753	18			
. 14	AND	EP	06 21 40.6				6756	18			
. 14	ANA	EP	06 21 40.6				6753	17			
. 14	ADK	EP	06 21 48.1				6943	20		7.9 MS	
.		ER	06 39 50.2								
.....											
. 14	ASD	IP C	07 34 24.8								
. 14	ASB	IP	07 34 24.8								
.		E(S)	07 34 44.2								
. 14	ASC	EP	07 34 26.7								
. 14	AND	EP	07 34 29.0								
. 14	SSI	IP	07 34 43.8	4.6	.1	2.78					
.		ES	07 34 56.6								
.....											
. 14	7 37 15.90	4.83 S 153.57 E DEPTH = 33.0 KM MB = 5.6 MS = 6.8 TELESEISMIC SOLUTION									
NEW IRELAND REGION											
. 14	ADK	EP	07 47 35.1				6885	20			

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JUL 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS	
14	7 41	11.30	5.12 S 153.98 E	DEPTH = 33.0 KM			MB = 5.8 MS = 7.2		TELESEISMIC SOLUTION		
SOLOMON ISLANDS											
14	ADK	EP	07 51 31.7				6900	20			
14	11 4	6.18	51.67 N 179.90 E	DEPTH = 66.8 KM			FREE DEPTH SOLUTION				
RAT ISLANDS, ALEUTIAN ISLANDS											
14	ASD	EP	11 04 18.3	1.7	.1	2.21	50	232	-.0		
		IS	11 04 27.1						-.1		
14	ASB	EP	11 04 18.9	1.4	.1	2.15	57	234	-.0		
14	ASC	EP	11 04 19.0				56	246	.1		
14	ACA	IP	11 04 19.0				58	250	-.1		
		IS	11 04 28.5						.0		
14	ACE	IP	11 04 19.0				59	240	-.1		
14	ACB	IP	11 04 19.3				61	248	-.0		
14	ACD	IP	11 04 19.4				59	244	.2		
14	AND	EP	11 04 19.8				67	260	-.1		
14	11 16	37.23	51.56 N 178.79 E	DEPTH = 22.5 KM			FREE DEPTH SOLUTION				
RAT ISLANDS, ALEUTIAN ISLANDS											
14	AND	IP D	11 16 41.2				11	88	-.2		
14	ANA	IP C	11 16 41.4				12	310	-.1		
14	ACB	IP	11 16 42.7				24	117	.0		
14	ACC	EP	11 16 42.7				19	115	.5		
14	ACA	IP C	11 16 42.8				24	111	.0		
14	ASC	IP D	11 16 43.3				28	112	.1		
14	ACD	EP	11 16 43.3				28	121	.1		
14	ACE	IP D	11 16 43.7				32	123	-.0		
14	ASB	IP D	11 16 44.5	4.5	.1	2.40	39	125	-.1		
		IS	11 16 49.8						-.3		
14	ASD	IP D	11 16 45.1	6.4	.1	2.58	43	116	-.1		
14	SSI	EP	11 16 48.7				66	56	.0		
		IS	11 16 57.0						-.0		
14	ADK	EP	12 40 39.1								
14	AMA	IP C	12 41 3.2	26.9	.2						
14	ASD	IP C	12 41 5.8	7.0	.1	2.80					
14	ASB	EP	12 41 6.6	3.9	.1	2.58					
		ES	12 41 15.7								
14	ASC	IP D	12 41 7.8								
14	SSI	IP C	12 41 8.5	15.6	.1						
14	AND	EP	12 41 10.1								
14	RAT	EP	12 41 16.5								
14	13 48	55.55	51.29 N 179.89 E	DEPTH = 47.7 KM			FREE DEPTH SOLUTION				
RAT ISLANDS, ALEUTIAN ISLANDS											
14	ASD	IP	13 49 5.3	10.9	.1	2.90	39	286	.2		
		IS	13 49 12.1						-.0		
14	ASB	EP	13 49 5.6				45	280	-.1		
		IS	13 49 13.1						-.0		
14	ACE	IP C	13 49 6.3				51	284	-.1		
14	ASC	EP	13 49 6.7				54	291	.1		
14	ACA	EP	13 49 6.9				57	292	-.1		
14	ACD	IP	13 49 6.9				54	286	.2		
14	ACB	IP C	13 49 7.2				58	289	.0		
14	AMA	EP	13 49 8.5				70	90	-.0		
14	SSI	IP D	13 49 8.5				70	343	-.0		
14	ANA	EP									

JUL 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
14	15 40	53.80	60.12 N 151.87 W	DEPTH =		33.0 KM	MB = 4.1	TELESEISMIC SOLUTION		
KENAI PENINSULA, ALASKA										
14	18 27	2.90	5.01 S 153.35 E	DEPTH =		33.0 KM	MB = 5.1	TELESEISMIC SOLUTION		
NEW IRELAND REGION										
14	ADK	EP	18 37 27.4				6913	20		6.3 MS
		EL	18 56 19.0							
		ER	18 57 52.3							
14	19 33	27.70	5.79 S 154.05 E	DEPTH =		33.0 KM	MB = 4.9	MS = 6.3	TELESEISMIC SOLUTION	
SOLOMON ISLANDS										
14	ADK	EP	19 43 53.8				6968	20		
14	20 1	42.70	5.71 S 154.18 E	DEPTH =		33.0 KM	MB = 5.0	TELESEISMIC SOLUTION		
SOLOMON ISLANDS										
14	ADK	EP	20 12 5.8				6953	20		
14	23 9	23.77	51.31 N 179.90 E	DEPTH =		25.0 KM	FIXED DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
14	ASD	E(P)	23 09 31.4				40	284		-.1
14	ASB	EP	23 09 32.3	3.7	.1	2.37	46	278		.0
		IS	23 09 38.5							-.0
14	ACE	IP	23 09 33.2				51	282		.1
14	ASC	EP	23 09 33.4				54	289		-.1
14	ACD	EP	23 09 33.7				55	285		.1
14	ACA	EP	23 09 34.0				57	290		.0
14	ACB	EP	23 09 34.2				59	288		.0
15	0 8	59.12	50.34 N 178.24 E	DEPTH =		19.4 KM	FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
15	ASB	IPGC	00 09 21.0	97.8	.1	4.17	134	32		.3
		IS	00 09 36.3							-.0
15	ASD	IPGC	00 09 21.8	224.8	.2	4.25	140	33		.2
		IS	00 09 37.6							-.4
15	ASC	IPGC	00 09 22.0				141	27		.3
15	AND	IPGC	00 09 22.3				145	20		-.0
15	ANA	IPGC	00 09 22.7				146	12		.2
15	RAT	IP C	00 09 24.4	68.0	.1	4.09	163	2		-.6
15	SSI	IP C	00 09 30.0				197	28		.3
		I(S)	00 09 52.1							.2
15	AMA	EP	00 09 31.3	16.4	.1		214	60		-.5
15	0 24	2.30	54.21 N 133.73 W	DEPTH =		33.0 KM	MB = 5.2	TELESEISMIC SOLUTION		
QUEEN CHARLOTTE ISLANDS REGION										
15	ADK	EP	00 29 30.3				2850	283		4.6MS
		ES	00 34 14.0							

JUL 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
15	1 34	46.31	51.64 N 179.46 E	DEPTH = 80.1 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
15	ASD	IPGD	01 34 58.0				29	197	-.1	WHITE OUT
15	ACA	IPGD	01 34 58.1				29	234	-.1	
15	ASC	IPGD	01 34 58.2				28	227	.1	
15	SSI	IPGD	01 34 58.2				30	17	.0	WHITE OUT
15	ACE	IPGD	01 34 58.3				33	217	-.1	
15	ASB	IPGD	01 34 58.4	907.5	.2	4.66	34	206	-.0	
		E(S)	01 35 7.3						-.2	
15	ACB	EPG	01 34 58.4				32	233	.1	QP
15	ACF	IPGD	01 34 58.4				35	249	-.0	
15	AND	EPG	01 34 58.5				36	257	-.0	
15	ACD	EPG	01 34 58.5				32	224	.2	
15	ANA	IPGD	01 35 0.0				55	269	.2	
15	RAT	IPGD	01 35 1.8				80	283	-.2	WHITE OUT
15	AMA	IPGD	01 35 4.7				106	111	-.0	WHITE OUT
15	ADK	EP	01 35 23.9				267	83	.3	
		ES	01 35 52.4						1.3	
.....										
15	ASD	EP	07 39 27.2	1.5	.1					
15	ASC	EP	07 39 27.5							
15	ASB	EP	07 39 27.8	2.9	.1					NO S VISIBLE
15	AND	EP	07 39 28.3							
15	ANA	EP	07 39 29.6							
15	AMA	EPG	07 56 50.1	54.3	.2	3.19				
		ES	07 56 55.2							
15	ASD	EP	07 57 3.8	4.2	.2	2.54				
15	ASB	EP	07 57 4.8	6.4	.2	2.74				
		E(S)	07 57 21.9							
15	ASC	EP	07 57 5.7							
.....										
15	8 24	7.70	51.54 N 178.48 E	DEPTH = 62.5 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
15	ANA	EPG	08 24 17.0				16	53	-.3	
		ES	08 24 24.5						.3	
15	AND	EPG	08 24 18.0				33	85	-.2	
15	ASC	EPG	08 24 19.2				48	100	-.1	
15	ACD	EPG	08 24 19.2				47	105	-.1	
15	ACA	EPG	08 24 19.3				45	98	.2	
15	ACB	EPG	08 24 19.3				43	101	.4	
15	ACE	EPG	08 24 19.3				51	107	-.2	
15	ASB	EPG	08 24 20.4	.6	.1	1.77	57	110	.3	POOR TAMP
		ES	08 24 28.9						-.3	
15	SSI	EPG	08 24 23.2	5.3	.1	2.85	86	62	-.0	
.....										
15	ASD	EP	08 56 46.7	.6	.1					
15	ASB	EP	08 56 47.3	.5	.1					NO S VISIBLE
15	ASC	EP	08 56 48.4							
.....										
15	9 41	46.82	51.23 N 179.69 E	DEPTH = 34.9 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
15	ASD	IPG	09 41 54.3	5.9	.1	2.52	31	307	-.0	
		E(S)	09 41 59.7						-.1	
15	ASB	EPG	09 41 54.6	1.8	.1	2.03	35	296	-.1	
		E(S)	09 42 .7						.2	
15	ACE	EPG	09 41 55.3				41	298	-.2	
		ES	09 42 2.2						.4	
15	ACD	EPG	09 41 56.0				45	300	.0	
15	ASC	EPG	09 41 56.2				45	306	.2	
15	ACA	EPG	09 41 56.6				49	306	.1	

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JUL 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
15	ACB	EPG	19 41 56.6				50	302	.0	
		ES	19 42 3.2						-.5	
15	ACC	EPG	19 41 57.1				54	303	.0	
15	ACF	EPG	19 41 57.9				59	305	.1	
15	AND	EPG	19 41 58.4				64	306	-.1	
15	ANA	EPG	19 42 1.4				84	302	.0	
.....										
15	10 20	8.57	52.16 N 178.08 E	DEPTH = 132.5 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
15	RAT	E(P)	10 20 27.3	4.6	.1	2.85	43	157	-.1	POOR.
15	ANA	IP	10 20 29.0				71	146	.2	
15	AND	EP	10 20 30.0				89	137	-.1	
15	ASB	E(P)	10 20 32.4				119	137	-.1	VQP, QS
		E(S)	10 20 50.9						-.0	
15	ASD	EP	10 20 32.8	.5	.1	2.34	121	134	.1	QP
.....										
15	12 25	9.01	51.16 N 178.69 E	DEPTH = 28.5 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
15	ACE	EPG	12 25 17.4				43	52	-.0	
15	ACD	EPG	12 25 17.5				43	47	.1	
15	ASB	IPG	12 25 17.6	10.2	.1	2.82	45	60	-.1	
		ES	12 25 23.4						-.6	
15	ACC	EPG	12 25 17.6				44	35	.1	
15	ACR	EPG	12 25 17.7				44	40	.2	
15	ACF	EPG	12 25 17.9				46	28	.1	
15	ACA	EPG	12 25 18.0				46	40	.1	
15	ASC	IPG	12 25 18.1				47	45	.1	
15	AND	IPGD	12 25 18.2				48	23	.1	
15	ASD	IPG	12 25 18.4	4.3	.1	2.49	52	61	-.3	
15	ANA	IPGD	12 25 18.8				52	358	.2	
15	RAT	IPG	12 25 21.4	6.8	.1	2.80	75	341	-.5	
15	SSI	EPG	12 25 26.0	7.4	.1	2.95	102	37	.0	
		ES	12 25 38.3						-.3	
.....										
15	AMA	IP J	14 26 46.6	137.9	.2					
15	ASD	EP	14 26 57.8	4.8	.1	2.87				
		ES	14 27 13.1							
15	ASB	EP	14 26 58.5	2.8	.1	2.65				
15	ASC	EP	14 26 59.8							
15	SSI	IP	14 27 .5	11.7	.1	3.25				
		IS	14 27 15.3							
15	AND	EP	14 27 2.9							
15	ANA	EP	14 27 6.0							
15	RAT	EP	14 27 9.0							
.....										
15	15 50	53.01	51.44 N 179.22 E	DEPTH = 37.6 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
15	ASD	IP	15 50 59.2	3.8	.1	2.26	10	120	-.1	
15	ASB	IP	15 50 59.2	6.0	.1	2.46	9	166	-.0	
		IS	15 51 3.3							

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JUL 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
15	17	8	51.69	51.34 N	179.88 W	DEPTH = 25.0 KM				FIXED DEPTH SOLUTION
				DELAROF ISLANDS, ALEUTIAN ISLANDS						
15	AMA	IP	17 09	1.3		46.8	.2	3.22	54 96	-.1
15	ASD	IP	17 09	1.6		51.4	.1	3.57	54 276	.1
		IS	17 09	9.2						.6
15	ASB	IP	17 09	2.5		93.4	.1	3.86	61 272	.1
15	ASC	IP	17 09	3.8					68 282	.4
15	SSI	IP	17 09	4.5		35.5	.1	3.50	72 329	.5
15	AND	EP	17 09	5.8					85 287	-.1
15	ANA	EP	17 09	8.8					106 288	-.3
15	RAT	EP	17 09	12.6		14.9	.1	3.36	134 293	-.7
		ES	17 09	28.3						-.7
15	18	15	44.90	25.22 S	178.42 E	DEPTH = 590.0 KM				TELESEISMIC SOLUTION
				SOUTH OF FIJI ISLANDS						
15	ADK	EP	18 26	37.7			8549	3		
15	18	43	38.01	51.36 N	179.82 E	DEPTH = 9.3 KM				FREE DEPTH SOLUTION
				RAT ISLANDS, ALEUTIAN ISLANDS						
15	ASD	IP	18 43	44.4		20.1	.1	2.94	34 276	.0
15	ASB	IP	18 43	45.5					40 276	.0
		IS	18 43	50.9						-.1
15	ASC	IP	18 43	46.7					47 284	.1
15	ACD	IP	18 43	46.8					48 279	-.0
15	ACA	IP	18 43	47.1					51 286	-.1
15	ACB	IP	18 43	47.4					52 283	.0
15	SSI	EP	18 43	48.8					62 345	-.0
15	AND	IP	18 43	49.2					64 291	-.1
15	AMA	IP	18 43	50.8		10.7	.1	2.98	75 96	.0
15	ANA	IP	18 43	52.5					86 291	.0
15	RAT	EP	18 43	56.8					114 296	-.0
		ES	18 44	10.6						.1
15	ADK	EP	19 07	38.3						
		ES	19 08	9.5						
15	AMA	EP	19 08	2.2						
		ES	19 08	49.3						
15	SSI	EP	19 08	9.8						
15	ASD	EP	19 08	13.6		4.3	.1			
		ES	19 09	10.3						
15	ASB	EP	19 08	14.5						
15	AND	EP	19 08	16.9						
15	ANA	EP	19 08	19.0						
15	RAT	EP	19 08	20.8						
15	19	50	15.18	51.85 N	179.59 W	DEPTH = 113.9 KM				FREE DEPTH SOLUTION
				DELAROF ISLANDS, ALEUTIAN ISLANDS						
15	SSI	EP	19 50	32.1					56 275	-.5
15	AMA	EP	19 50	33.0		6.7	.1	3.00	71 152	-.5
		ES	19 50	48.1						1.2
15	ASD									

JUL 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
15	20 17 39.35		51.20 N 179.35 E	DEPTH = 30.9 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
15	ASB	EP	20 17 45.3				19	339	.0	
		ES	20 17 49.6						-.0	
15	ASD	EP	20 17 45.4	3.1	.1	2.15	21	359	-.1	
15	ASC	EP	20 17 46.8				32	337	.2	
15	AND	EP	20 17 48.5				49	326	-.1	
.....										
15	21 12 13.23		51.96 N 179.96 E	DEPTH = 171.0 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
15	SSI	EP	21 12 41.1				27	254	-.1	
		IS	21 12 58.0						.1	
15	AND	IP	21 12 42.9				93	238	-.5	
15	ASD	IP	21 12 43.2				77	214	.2	
15	ASC	IP	21 12 43.2				78	225	.1	
15	ACA	IP	21 12 43.2				79	228	.0	
15	ACF	IP	21 12 43.2				83	235	-.1	
15	ACB	IP	21 12 43.3				82	228	-.0	
15	ACC	IP	21 12 43.3				83	231	-.1	
15	ASB	IP	21 12 43.5	94.4	.1	4.29	83	217	.1	
		IS	21 13 1.7						-.0	
15	ACD	IP	21 12 43.5				82	224	.2	
15	ACE	IP	21 12 43.5				93	222	.1	
15	ANA	IP	21 12 43.7				97	248	-.5	
15	AMA	IP	21 12 44.3				98	139	-.0	
15	RAT	EP	21 12 45.9				114	262	.5	
.....										
15	22 20 52.23		51.56 N 178.80 E	DEPTH = 19.6 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
15	AND	IP	22 20 55.9				11	97	-.1	
15	ANA	EP	22 20 56.2				12	309	.1	
15	ASC	EP	22 20 59.1				27	113	.2	
15	ASB	EP	22 20 59.3	1.3	.1	1.98	38	125	-.1	
15	ASD	IP	22 20 59.9				42	116	-.1	
		IS	22 21 5.7						.1	
.....										
15	23 0 47.40		5.42 S 152.46 E	DEPTH = 33.0 KM			TELESEISMIC SOLUTION			
			NEW BRITAIN REGION							
15	ADK	EP	23 11 11.4				6990	21		
.....										
16	0 32 54.90		50.15 N 177.56 E	DEPTH = 25.0 KM			FIXED DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
16	ASD	EP	00 33 22.6	2.1	.1	2.62	182	40	-.5	
16	ASB	EP	00 33 22.7				175	39	.5	
		ES	00 33 42.1						-.0	
16	ASC	EP	00 33 22.7				180	36	-.2	
16	ANA	EP	00 33 23.1				178	23	.5	
16	RAT	IP	00 33 23.7	2.7	.1	2.75	189	14	-.3	

JUL 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
16	1	38	35.56	51.71 N	179.92 E	DEPTH = 17.9 KM				FREE DEPTH SOLUTION
				RAT ISLANDS, ALEUTIAN ISLANDS						
16	SSI	IP	01 38 41.6				30	312	.1	
		IS	01 38 45.8						-.1	
16	ASD	IP	01 38 44.8				53	228	-.1	
16	ASC	IP	01 38 45.8				59	242	.0	
16	ASB	IP	01 38 46.0	250.4	.2	3.98	61	230	-.0	
		IS	01 38 53.8						.2	
16	ACA	IP	01 38 46.1				61	245	.1	
16	ACE	IP	01 38 46.2				62	236	-.0	
16	ACD	IP	01 38 46.3				63	240	-.0	
16	ACB	IP	01 38 46.4				64	244	-.0	
16	ACC	IP	01 38 46.8				66	248	.0	
16	ACF	IP	01 38 47.0				67	252	.0	
16	AND	IP	01 38 47.1				69	256	-.1	
16	AMA	EP	01 38 49.3				82	125	.0	
16	ANA	EP	01 38 50.1				87	264	-.1	
16	RAT	EP	01 38 53.4				110	276	-.0	
.....										
16	2	33	59.71	52.17 N	175.91 W	DEPTH = 200.0 KM				FIXED DEPTH SOLUTION
				ANDREANOF ISLANDS, ALEUTIANS ISLANDS						
16	AMA	IP	02 34 40.5	43.5	.2		241	247	-.0	
16	SSI	EP	02 34 47.4				310	266	-.2	
16	ASD	EP	02 34 50.6				338	257	-.0	
		ES	02 35 27.8						-.0	
16	ASB	IP	02 34 51.5				345	257	.1	
16	ASC	IP	02 34 51.9				348	259	.2	
16	AND	IP	02 34 52.8				359	261	-.2	
16	ANA	IP	02 34 54.9				378	263	-.1	
16	RAT	EP	02 34 57.4				397	266	.2	
.....										
16	4	31	28.40	59.26 N	154.22 W	DEPTH = 33.0 KM				TELESEISMIC SOLUTION
				SOUTHERN ALASKA						
.....										
16	6	40	16.81	52.05 N	179.84 E	DEPTH = 177.6 KM				FREE DEPTH SOLUTION
				RAT ISLANDS, ALEUTIAN ISLANDS						
16	SSI	EP	06 40 40.5	2.4	.1	2.67	24	225	.0	
16	ASD	IP	06 40 42.6	5.6	.1	3.07	81	205	.1	
16	AND	EP	06 40 42.6				81	229	.0	
16	ASC	EP	06 40 42.7				80	216	.2	
16	ASB	EP	06 40 43.1	17.8	.1	3.58	87	208	.2	
		ES	06 41 1.4						-.5	
16	ANA	IP	06 40 43.4				93	240	.1	
16	AMA	EP	06 40 44.0	6.9	.1	3.19	112	139	-.5	
		IS	06 41 5.1						.5	
16	RAT	IP	06 40 44.0	29.8	.1	3.82	107	256	-.1	
.....										
16	ASD	IP	10 47 17.9	2.7	.1					TELE-
16	ASB	EP	10 47 18.5	3.0	.1					
16	ASC	EP	10 47 18.9							

JUL 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
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15	11	1	1.35	51.73 N	177.99 E	DEPTH = 72.2 KM	FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
16	RAT	IP C	11 01 12.4	7.4	.1	2.82	25	71	.0	
		ES	11 01 20.3						-.1	
16	ANA	IP	11 01 13.9				48	103	.1	
		IS	11 01 23.0						.1	
16	AND	EP	11 01 15.7				69	105	.0	
16	ASC	EP	11 01 17.6				86	109	.2	
16	ASB	EP	11 01 18.4	1.8	.1	2.39	96	115	-.1	
16	ASD	EP	11 01 18.8	.8	.1	2.07	101	111	-.2	
16	SSI	IP C	11 01 20.2	3.7	.1	2.74	111	85	.0	

16	11	3	4.98	52.13 N	179.98 E	DEPTH = 174.9 KM	FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
16	SSI	EP	11 03 28.7	4.9	.1	2.98	38	226	.1	
16	ASD	EP	11 03 31.0				93	208	-.1	
16	ASC	EP	11 03 31.2				93	218	.1	
16	AND	EP	11 03 31.2				95	229	-.0	
16	ACA	EP	11 03 31.2				93	220	.0	
16	ACB	IP	11 03 31.3				96	220	-.0	
16	ASB	EP	11 03 31.5	22.3	.1	3.68	99	211	-.0	
		ES	11 03 50.9						-.0	
16	ACC	IP	11 03 31.5				96	222	.2	
16	ACD	EP	11 03 31.5				97	217	.1	
16	ANA	EP	11 03 32.0				106	239	.0	
16	AMA	IP	11 03 32.4	11.9	.1	3.42	113	146	-.0	
		ES	11 03 52.4						-.1	
16	RAT	EP	11 03 32.7	5.2	.1	3.07	119	253	-.2	

16	11	7	13.69	51.22 N	179.81 E	DEPTH = 43.5 KM	FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
16	ASD	IP D	11 07 22.8				38	300	.0	
16	ASB	IP D	11 07 23.4	55.7	.1	3.61	42	291	.1	
		IS	11 07 29.9						-.4	
16	ACE	IP C	11 07 24.0				49	294	.0	
16	ACD	IP C	11 07 24.5				52	296	.1	
16	ASC	IP C	11 07 24.6				52	301	.2	
16	ACA	IP C	11 07 24.9				56	301	.0	
16	ACB	IP C	11 07 25.0				57	298	.0	
16	ACC	IP C	11 07 25.5				51	299	.1	
16	ACF	IP C	11 07 26.0				66	301	-.1	
16	AND	IP D	11 07 26.3				71	303	-.3	
16	AMA	IP	11 07 26.9	20.5	.1	3.32	76	84	-.4	
		ES	11 07 37.6						.4	
16	SSI	IP D	11 07 27.3	46.5	.1	3.67	76	348	-.0	
16	ANA	IP	11 07 29.3				92	300	.1	
16	RAT	IP C	11 07 33.0	28.9	.2	3.32	121	303	.1	

16	14	33	58.90	51.57 N	178.79 E	DEPTH = 25.0 KM	FIXED DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
16	AND	IP D	14 34 3.2				12	96	-.3	
		IS	14 34 6.3						-.5	
16	ANA	IP	14 34 3.4				11	304	.0	
16	ASC	EP	14 34 5.4				29	115	.2	
16	ASB	EP	14 34 6.4				40	126	-.2	
16	ASD	EP	14 34 7.3	1.0	.1	1.78	43	118	.2	

JUL 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
16	AMA	IP D	14 37 43.1	103.8	.1	3.77				
		IS	14 37 48.2							
16	ASD	EP	14 37 53.5	4.1	.1	2.68				
16	ASB	EP	14 37 55.1	2.5	.1	2.51				
		ES	14 38 7.7							
16	ASC	EP	14 37 55.5							
16	SSI	EP	14 37 56.1	10.0	.1					
16	AND	EP	14 37 58.0							
16	RAT	EP	14 38 5.4							

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16	19 29 38.16	51.57 N 178.73 E	DEPTH = 63.9 KM	FREE DEPTH SOLUTION
RAT ISLANDS, ALEUTIAN ISLANDS				
16	ANA	IP	19 29 47.8	8 324 .1
16	AND	IP C	19 29 47.9	15 92 .0
16	ACC	IP	19 29 48.2	24 113 .0
16	ACF	IP	19 29 48.2	19 104 .2
16	ACB	IP	19 29 48.4	28 115 -.0
16	ACA	IP	19 29 48.6	29 116 .1
16	ACD	IP	19 29 48.7	32 119 .0
16	ACE	IP	19 29 48.7	36 121 -.2
16	ASC	IP D	19 29 48.8	32 111 .1
16	RAT	IP C	19 29 49.3	38 313 -.1
		IS	19 29 57.3	-.0
16	ASB	IP D	19 29 49.3	109.4 .1 3.99 43 123 -.2
		IS	19 29 57.7	-.0
16	ASD	IP D	19 29 49.5	47 115 -.2
16	SSI	IP C	19 29 51.8	69 58 -.1
16	AMA	IP	19 30 1.8	153 101 .2

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16	AND	IP D	22 04 53.3		
		ES	22 04 56.2		
16	ANA	IP	22 04 53.6		
16	ASD	IP	22 04 57.4	3.1	.1

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17	3 39 15.40	55.26 N 161.45 W	DEPTH = 33.0 KM MB = 4.3	TELESEISMIC SOLUTION
ALASKA PENINSULA				
17	NIK	EP	03 40 30.0	547 245
17	GMA	EP	03 41 46.2	1135 1
17	AMA	IP	03 41 56.5	1255 257
		E(S)	03 43 1.8	
17	SSI	EP	03 42 4.6	1307 261
17	ASB	EP	03 42 7.9	1354 259
17	ASD	EP	03 42 8.2	1347 259
17	ASC	EP	03 42 9.9	1354 260
17	RAT	EP	03 42 14.0	1391 262

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17	ADK	EP	03 56 36.8		
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17	5 32 42.90	7.01 N 94.69 E	DEPTH = 138.0 KM MB = 5.8	TELESEISMIC SOLUTION
NICOBAR ISLANDS REGION				
17	ADK	EP	05 44 58.5	9306 39

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17	8 56 28.34	51.07 N 179.94 W	DEPTH = 33.8 KM	FREE DEPTH SOLUTION
DELAROF ISLANDS, ALEUTIAN ISLANDS				
17	ASD	EP	08 56 39.6	5.3 .1 2.65 62 306 -.1
17	AMA	IP	08 56 40.1	4.0 .1 2.53 63 66 .3
		ES	08 56 47.5	-.6
17	ASB	EP	08 56 40.3	3.0 .1 2.42 66 300 .1

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JUL 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
		ES	08 56 48.6						-.2	
17	ACE	IP	08 56 41.1				72	301	-.0	
17	ACD	EP	08 56 41.7				76	302	.0	
17	ASC	EP	08 56 41.9				77	306	.2	
17	ACB	IP	08 56 42.3				81	303	-.1	
17	ACA	EP	08 56 42.4				80	305	.1	
17	AND	EP	08 56 44.2				95	306	-.2	
17	SSI	IP C	08 56 45.1	22.3	.1	3.42	98	340	.3	
17	RAT	EP	08 56 51.1				145	305	-.2	

17 9 43 5.79 51.93 N 178.67 E DEPTH = 104.0 KM FREE DEPTH SOLUTION
RAT ISLANDS, ALEUTIAN ISLANDS

17	RAT	IP C	09 43 20.7	13.7	.1	3.23	28	239	.0	
		IS	09 43 31.8						.3	
17	ANA	EP	09 43 21.1				34	182	.2	
17	AND	EP	09 43 21.3				45	155	-.1	
17	SSI	IP	09 43 22.3	10.2	.1	3.15	63	93	-.2	
17	ASC	IP	09 43 22.5				62	147	.0	
17	ASD	IP C	09 43 23.2	7.1	.1	3.01	76	142	-.3	
		IS	09 43 36.5						.1	
17	ASB	IP	09 43 23.2	4.7	.1	2.83	75	148	-.2	
17	AMA	IP	09 43 33.2	8.7	.2	2.97	169	114	.5	

17 10 14 4.63 51.63 N 178.84 E DEPTH = 22.7 KM FREE DEPTH SOLUTION
RAT ISLANDS, ALEUTIAN ISLANDS

17	AND	IP D	10 14 8.8				10	133	-.0	
		IS	10 14 11.8						-.0	
17	ANA	IP C	10 14 9.9				13	271	.0	
17	ACA	IP	10 14 10.3				25	130	.1	
17	ACB	IP	10 14 10.3				25	137	.1	
		IS	10 14 14.4						.1	
17	ACE	EP	10 14 11.3				34	138	-.1	
17	ASD	EP	10 14 12.7	1.5	.1	1.95	43	127	.0	

17 12 7 37.00 51.63 N 178.94 E DEPTH = 74.2 KM FREE DEPTH SOLUTION
RAT ISLANDS, ALEUTIAN ISLANDS

17	AND	EP	12 07 47.7				7	170	-.1	
17	ACF	IP	12 07 47.9				12	160	.1	
17	ACC	IP	12 07 48.0				18	155	.0	
17	ANA	EP	12 07 48.1				19	270	.1	
17	ACA	EP	12 07 48.1				21	142	-.0	
17	ACB	IP	12 07 48.2				21	149	.1	
17	ASC	EP	12 07 48.3				24	139	.0	
17	ACD	IP	12 07 48.4				26	148	.1	
17	ACE	IP	12 07 48.5				30	147	-.0	
17	ASB	EP	12 07 48.8	5.5	.1	2.73	37	144	-.1	
		IS	12 07 57.5						-.1	
17	ASD	IP	12 07 49.1				39	133	.1	
17	RAT	EP	12 07 49.5				46	295	-.0	
17	SSI	IP C	12 07 50.1	21.5	.1	3.36	54	56	-.1	
		IS	12 07 59.8						.1	
17	AMA	EP	12 07 59.3				141	105	.0	

JUL 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
17	12 46	56.95	51.56 N 178.79 E	DEPTH = 21.4 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
17	AND	IP D	12 47 .9				11	90	-.1	
17	ACF	IP	12 47 1.0				14	106	-.3	
17	ANA	IP	12 47 1.2				12	308	.2	
17	ACC	IP	12 47 1.9				19	116	.1	
17	ACB	IP	12 47 2.4				23	118	.1	
17	ACA	IP	12 47 2.5				24	112	.1	
17	ASC	EP	12 47 2.9				28	113	.1	
17	ACD	EP	12 47 2.9				28	122	.1	
17	ACE	IP	12 47 3.4				32	124	.0	
17	ASB	IP	12 47 4.2	10.7	.1	2.76	39	125	-.1	
		IS	12 47 9.5						-.1	
17	RAT	IP	12 47 4.6	13.7	.1	2.89	41	310	-.1	
17	ASD	IP	12 47 4.8				43	116	-.0	
17	SSI	EP	12 47 8.3	4.4	.1	2.56	66	56	.0	
		IS	12 47 16.6						.1	
17	ASD	EP	12 53 51.2	2.8	.1	2.47				
17	ASB	EP	12 53 51.7							
		ES	12 54 2.0							
17	ASC	EP	12 53 53.8							
17	AND	EP	12 53 56.0							
17	ADK	EP	14 31 37.4							
		ES	14 31 44.6							
17	14 40	49.32	51.72 N 179.92 E	DEPTH = 21.0 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
17	SSI	IP	14 40 55.5	14.4	.1	2.81	30	310	.1	
		IS	14 40 59.8						-.1	
17	ASD	IP D	14 40 58.9	10.2	.1	2.85	54	228	-.0	
17	ASC	IP	14 40 59.8				60	242	.1	
17	ASB	IP	14 40 59.9	2.6	.1	2.30	61	230	-.1	
		IS	14 41 7.8						.1	
17	ACA	IP	14 41 .1				61	245	.1	
17	ACE	IP	14 41 .1				63	236	-.1	
17	ACB	IP	14 41 .3				64	244	-.1	
17	ACD	EP	14 41 .3				63	239	.1	
17	ACC	IP	14 41 .6				66	247	-.1	
17	ACF	IP	14 41 .9				68	252	.0	
17	AND	IP	14 41 1.0				69	256	-.1	
17	ANA	EP	14 41 4.0				87	264	.1	
17	RAT	EP	14 41 7.2	5.5	.1	2.84	110	275	-.0	
17	15 6	40.82	50.52 N 178.92 E	DEPTH = 27.2 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
17	ASB	EP	15 06 57.1	3.0	.1	2.54	96	14	.3	
		ES	15 07 8.4						-.0	
17	ASD	EP	15 06 57.6	.7	.1	1.92	101	17	.0	
17	ASC	EP	15 06 58.3				106	9	.0	
17	AND	EP	15 06 59.4				116	1	-.4	
17	SSI	EP	15 07 6.2				159	17	.2	
17	AMA	EP	15 07 6.3	5.5	.1	3.00	162	58	-.1	
		ES	15 07 25.0						-.1	

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JUL 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
17	15 46 28.23		51.90 N 179.80 E			DEPTH = 147.0 KM				FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
17	SSI	IP	15 46 47.7	23.9	.1	3.59	15	265	-.3	
17	ASD	IP	15 46 49.8	8.1	.1	3.16	65	209	.1	
17	ASC	EP	15 46 49.8				66	222	.0	
17	AND	EP	15 46 49.9				70	237	-.1	
17	ASB	IP	15 46 50.1	19.6	.1	3.54	72	213	.0	
		ES	15 47 5.5						-.6	
17	ANA	IP	15 46 50.9				85	249	.0	
17	RAT	IP	15 46 51.9	5.2	.1	3.00	102	264	-.2	
		ES	15 47 10.5						1.0	
17	AMA	EP	15 46 52.5				102	132	.4	
17	ADK	IP	18 37 53.0							
		IS	18 37 59.6							
17	AMA	EP	18 38 11.9	38.0	.2					
		ES	18 38 40.3							
17	SSI	EP	18 38 22.2							
17	ASD	EP	18 38 24.7							
17	ASS	EP	18 38 25.6							
		ES	18 38 57.0							
17	ASC	EP	18 38 26.1							
17	AND	EP	18 38 28.1							
17	ANA	EP	18 38 30.2							
17	RAT	EP	18 38 32.6							
17	ADK	EP	18 42 34.5							
		ES	18 43 .7							
17	AMA	IP	19 14 18.8	30.3	.1	3.25				
		I(S)	19 14 24.0							
17	SSI	IP	19 14 27.7	4.6	.1	2.72				
		IS	19 14 38.6							
17	21 17 48.34		50.87 N 178.28 E			DEPTH = 35.8 KM				FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
17	ASB	EP	21 18 3.3	2.8	.2	2.18	87	51	-.1	
17	ANA	EP	21 18 3.6				89	18	.1	
17	AND	EP	21 18 3.7				91	31	-.1	
17	ASC	EP	21 18 4.0				91	43	.1	
17	ASD	EP	21 18 4.4				94	52	-.0	
		ES	21 18 16.1						.0	
17	23 7 18.45		52.32 N 179.05 W			DEPTH = 249.0 KM				FREE DEPTH SOLUTION
			DELAROF ISLANDS, ALEUTIAN ISLANDS							
17	SSI	EP	23 07 53.3				104	244	-.1	
17	AMA	EP	23 07 53.4				115	182	-.6	
		ES	23 08 20.6						.7	
17	ASD	EP	23 07 56.1	12.2	.1	3.57	151	228	-.0	
17	ASC	EP	23 07 56.7				155	233	.3	
17	ASB	EP	23 07 56.8	15.2	.1	3.67	158	228	.2	
		ES	23 08 23.8						-.7	
17	AND	EP	23 07 56.9				151	239	.1	
17	ANA	EP	23 07 57.9				175	245	.1	
17	RAT	EP	23 07 58.8	9.3	.1	3.48	188	253	-.0	

JUL 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
17	23 10	28.52	51.44 N 178.80 E	DEPTH = 41.7 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
17	ACC	IP	23 10 34.4				18	72	-1.5	
17	AND	IP C	23 10 36.1				18	36	.2	
17	ACF	IP	23 10 36.1				17	53	.3	
17	ACB	IP	23 10 36.3				20	81	.3	
17	ACD	IP	23 10 36.4				23	92	.1	
17	ACA	IP	23 10 36.5				23	77	.3	
17	ACE	IP	23 10 36.5				26	98	.0	
17	ANA	IP D	23 10 36.6				23	335	.3	
17	ASC	IP D	23 10 36.7				25	83	.3	
17	ASB	IP C	23 10 36.9				32	105	-.1	
		ES	23 10 42.7						-.4	
17	ASD	IP C	23 10 37.6				38	97	-.0	
17	RAT	EP	23 10 38.9	4.9	.1	2.59	52	321	-.4	
17	SSI	IP	23 10 42.0				74	47	-.1	
		ES	23 10 51.8						-.1	
17	AMA	EP	23 10 51.0				146	96	.1	
.....										
17	23 34	31.11	51.57 N 178.80 E	DEPTH = 21.4 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
17	AND	IP D	23 34 35.0				11	94	-.2	
17	ANA	IP C	23 34 35.3				11	304	.1	
17	ACC	EP	23 34 36.0				20	119	.0	
17	ACB	IP	23 34 36.5				24	120	.0	
17	ACA	IP	23 34 36.6				24	114	.0	
17	ASC	IP	23 34 37.1				28	115	.1	
17	ACD	EP	23 34 37.2				28	124	.1	
17	ACE	EP	23 34 37.5				32	126	-.1	
17	ASB	EP	23 34 38.4				39	127	-.1	
		ES	23 34 43.7						-.2	
17	RAT	IP	23 34 38.7	2.7	.1	2.19	41	308	-.1	
17	ASD	IP	23 34 39.1				43	118	.1	
17	SSI	EP	23 34 42.4	1.6	.1	2.12	65	56	.0	
		ES	23 34 50.5						-.0	
.....										
18	0 7	3.71	51.65 N 178.74 E	DEPTH = 18.8 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
18	ANA	IP D	00 07 7.1				6	248	.0	
18	AND	IP D	00 07 7.9				17	122	-.2	
18	ACC	IP	00 07 9.4				28	131	.0	
18	ACA	IP	00 07 10.0				32	125	.0	
18	ACB	IP	00 07 10.0				32	130	.1	
18	RAT	IP C	00 07 10.1	20.2	.1	2.98	33	301	-.0	
18	ASC	IP D	00 07 10.6				36	125	.1	
18	ACD	IP	00 07 10.7				37	131	.1	
18	ACE	IP	00 07 11.3				41	132	.1	
18	ASB	IP	00 07 12.3	9.6	.1	2.77	47	132	.1	
		IS	00 07 18.3						-.1	
18	ASD	IP	00 07 12.4	6.7	.1	2.64	50	124	-.3	
18	SSI	IP C	00 07 14.8	12.7	.1	3.01	64	65	.0	
		IS	00 07 22.9						.1	
18	AMA	IP D	00 07 28.2	4.4	.2	2.58	154	104	-.1	
.....										
18	RAT	EP	03 11 1.9	13.9	.1	3.30				
		ES	03 11 16.1							
18	ANA	EP	03 11 5.1							
18	AND	EP	03 11 7.7							
18	ASC	EP	03 11 10.0							
18	ASB	EP	03 11 10.6							

JUL 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
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18	ASD	EP	03 11 11.5							
		ES	03 11 37.3							
18	SSI	EP	03 11 13.9							

18	3 42 11.58	51.94 N 178.51 E	DEPTH = 75.5 KM	FREE DEPTH SOLUTION						
RAT ISLANDS, ALEUTIAN ISLANDS										
18	RAT	IP D	03 42 22.8	20.8	.1	3.28	20	218	-.0	
		ES	03 42 31.1						.1	
18	ANA	EP	03 42 23.5				36	163	-.1	
18	AND	EP	03 42 24.7				52	144	-.0	
18	ASC	EP	03 42 26.3				70	139	.0	
18	ASD	EP	03 42 27.6	1.7	.1	2.33	84	136	-.0	
18	ASB	EP	03 42 27.6	1.2	.1	2.18	82	141	.1	
		ES	03 42 39.1						-.1	

18	4 0 56.04	51.42 N 178.75 E	DEPTH = 43.9 KM	FREE DEPTH SOLUTION						
RAT ISLANDS, ALEUTIAN ISLANDS										
18	AND	IP D	04 01 3.8				21	41	.1	
18	ACC	IP	04 01 3.9				21	71	.1	
18	ACF	IP	04 01 3.9				20	55	.2	
18	ACB	IP	04 01 4.1				24	79	.2	
18	ANA	IP	04 01 4.2				24	344	.3	
18	ACA	IP	04 01 4.2				26	75	.1	
18	ACD	IP	04 01 4.2				26	88	.0	
18	ACE	IP	04 01 4.3				29	95	-.1	
18	ASC	IP D	04 01 4.5				29	81	.2	
18	ASB	IP D	04 01 4.7				35	101	-.2	
		ES	04 01 10.5						-.9	
18	ASD	IP D	04 01 5.4				41	95	-.1	
18	RAT	IP D	04 01 6.5	19.9	.1	3.20	51	325	-.2	
		ES	04 01 13.9						-.5	
18	SSI	IP	04 01 9.9				78	47	.0	
18	AMA	EP	04 01 18.8				149	95	.1	

18	4 6 36.57	51.12 N 179.65 E	DEPTH = 31.9 KM	FREE DEPTH SOLUTION						
RAT ISLANDS, ALEUTIAN ISLANDS										
18	ASD	IP D	04 06 44.4	6.9	.1	2.61	37	325	-.1	
18	ASB	IP D	04 06 44.8	2.9	.1	2.23	39	314	.1	
		ES	04 06 50.5						-.1	
18	ACE	EP	04 06 45.5				46	314	-.1	
18	ACD	EP	04 06 46.1				50	314	.0	
18	ASC	IP	04 06 46.4				51	319	.1	
18	ACA	IP	04 06 46.8				55	318	.0	
		ES	04 06 54.3						.1	
18	ACB	IP	04 06 46.8				54	315	.0	
18	ACC	IP	04 06 47.3				59	314	-.0	
18	AND	IP	04 06 48.6				69	316	-.2	

18	AMA	IP D	05 01 53.0	5.1	.2	2.23				
		IS	05 01 59.1							
18	ASD	EP	05 02 1.4	2.4	.1	2.51				
		ES	05 02 14.8							
18	ASB	EP	05 02 2.1							
18	ASC	EP	05 02 3.8							
18	SSI	EP	05 02 4.6							
18	AND	EP	05 02 6.5							
18	ADK	EP	05 33 14.3							
		ES	05 33 40.0							

JUL 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
18	6 56 36.79		51.41 N 179.57 E	DEPTH = 63.9 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
18	ASD	EP	06 56 46.5	.8	.1	1.81	16	262	-.0	
18	ASB	EP	06 56 46.8				23	256	-.0	
		ES	06 56 54.1						-.0	
18	ASC	EP	06 56 47.1				29	282	-.0	
.....										
18	ADK	EP	10 48 13.3							
		ES	10 48 22.4							
.....										
18	11 4 37.60		20.83 S 178.76 W	DEPTH = 628.0 KM MB = 4.9			TELESEISMIC SOLUTION			
FIJI ISLANDS REGION										
18	ADK	EP	11 15 2.3				8053	1		
.....										
18	11 17 29.59		50.33 N 179.98 W	DEPTH = 50.0 KM			FIXED DEPTH SOLUTION			
DELAROF ISLANDS, ALEUTIAN ISLANDS										
18	AMA	IP	11 17 49.3	11.9	.2	2.95	123	29	.1	
		ES	11 18 2.8						-.6	
18	ASB	EP	11 17 49.5	5.1	.1	2.89	127	335	-.2	
18	ASC	EP	11 17 51.1				140	335	-.2	
		ES	11 18 7.2						.2	
18	AND	EP	11 17 53.1				157	332	-.2	
18	ANA	EP	11 17 55.2				173	327	-.2	
18	SSI	EP	11 17 57.2	9.8	.1	3.29	177	350	1.4	
18	RAT	EP	11 17 58.7				202	325	-.2	
.....										
18	RAT	IP C	11 39 41.4							
18	ANA	IP C	11 39 45.1							
18	AND	IP C	11 39 47.1							
18	ACC	IP	11 39 49.1							
18	ACA	IP	11 39 49.6							
18	ACB	IP	11 39 49.7							
18	ASC	EP	11 39 50.0							
18	SSI	IP	11 39 50.4							
18	ACD	IP	11 39 50.4							
18	ACE	IP	11 39 53.9							
18	ASB	EP	11 39 51.8	39.3	.1	3.70				
		ES	11 40 4.1							
18	AMA	EP	11 40 5.9							
		ES	11 40 28.3							
18	ADK	EP	11 40 25.0							
18	ADK	EP	12 48 22.7							
		ES	12 48 31.6							
18	AMA	EP	12 48 27.5	34.8	.2	3.46				
		E(S)	12 48 44.2							
18	SSI	EP	12 48 42.0							
18	ASB	EP	12 48 44.5							
		ES	12 49 13.6							
18	ASC	EP	12 48 45.6							
18	ANA	EP	12 48 53.6							
.....										
18	12 56 45.09		50.73 N 179.94 W	DEPTH = 35.4 KM			FREE DEPTH SOLUTION			
DELAROF ISLANDS, ALEUTIAN ISLANDS										
18	AMA	EP	12 57 0.0	56.2	.1	3.78	85	43	.2	
18	ASB	IP D	12 57 .6	104.8	.2	3.77	91	321	.0	
		ES	12 57 12.3						.5	
18	ACE	IP	12 57 1.4				97	321	-.1	

JUL 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
. 18	ACD	IP	12 57 2.1				101	321	-.0	
. 18	ASC	IP	12 57 2.3				103	323	-.1	
. 18	ACB	IP	12 57 2.7				106	321	-.2	
. 18	ACA	IP	12 57 2.8				107	322	-.1	
. 18	ACC	IP	12 57 3.4				110	320	-.0	
. 18	ACF	EP	12 57 4.2				116	320	-.0	
. 18	AND	EP	12 57 4.7				121	321	-.1	
. 18	SSI	IP D	12 57 6.0				134	346	-.4	
.		IS	12 57 18.2						-3.8	
. 18	ANA	EP	12 57 7.4				140	316	.2	
. 18	RAT	EP	12 57 11.3				170	315	.4	

.....
 . 18 13 50 2.22 52.04 N 179.30 E DEPTH = 185.0 KM FREE DEPTH SOLUTION
 RAT ISLANDS, ALEUTIAN ISLANDS

. 18	AND	IP	13 50 27.7				58	204	-.1	
. 18	ACF	EP	13 50 27.9				61	200	.0	
. 18	ASC	EP	13 50 28.0				55	198	-.0	
. 18	ANA	IP	13 50 28.0				64	224	.0	
. 18	ACB	EP	13 50 28.0				66	193	-.1	
. 18	ACA	EP	13 50 28.1				64	191	.1	
. 18	ACC	EP	13 50 28.1				54	196	.1	
. 18	RAT	IP C	13 50 28.2	25.1	.1	3.73	72	248	-.1	
.		ES	13 50 47.6						.2	
. 18	ACD	EP	13 50 28.3				59	189	.1	
. 18	ACE	IP	13 50 28.4				72	187	.0	
. 18	ASB	IP	13 50 28.6	6.3	.1	3.13	76	183	.1	
.		ES	13 50 47.6						-.2	

.....
 . 18 14 12 12.08 51.50 N 179.04 E DEPTH = 55.6 KM FREE DEPTH SOLUTION
 RAT ISLANDS, ALEUTIAN ISLANDS

. 18	ACC	IP	14 12 20.5				2	184	.0	
. 18	ACE	IP	14 12 20.5				14	142	-.3	
. 18	ACB	IP D	14 12 20.6				6	145	.1	
. 18	ACD	IP	14 12 20.6				10	143	-.0	
. 18	ASB	EP	14 12 20.8	2.3	.1	2.21	21	138	-.3	
.		ES	14 12 26.8						-.8	
. 18	ACF	IP	14 12 20.8				4	306	.3	
. 18	AND	IP	14 12 20.9				9	316	.3	
. 18	ACA	EP	14 12 21.0				6	115	.5	
. 18	ASC	IP	14 12 21.1				9	118	.5	
. 18	ANA	EP	14 12 21.5				30	297	-.1	
. 18	SSI	IP C	14 12 23.8	12.7	.1	3.07	57	41	-.2	
.		ES	14 12 32.8						.0	
. 18	RAT	EP	14 12 24.1	1.5	.1	2.18	59	304	-.2	
.		ES	14 12 32.8						-.3	

.....
 . 18 14 31 17.50 4.83 S 153.30 E DEPTH = 46.0 KM MB = 5.7 MS = 6.6 TELESEISMIC SOLUTION
 NEW IRELAND REGION

. 18	ADK	EP	14 41 35.4				6896	21	6.3MS	
.		ES	14 50 4.0							
.		EL	14 59 46.0							

.....
 . 18 14 41 20.60 51.30 N 177.64 E DEPTH = 0.0 KM FIXED DEPTH SOLUTION
 RAT ISLANDS, ALEUTIAN ISLANDS

. 18	RAT	IP C	14 41 33.8	3.0	.1	2.41	73	41	-.1	
.		IS	14 41 43.8						.2	
. 18	ANA	EP	14 41 35.3				80	63	.2	

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JUL 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
18	AND	EP	14 41 37.4				96	72	-.1	
18	ASC	EP	14 41 39.3				108	80	-.0	
18	ASB	EP	14 41 40.4	2.6	.1	2.52	112	86	.4	
		ES	14 41 53.9						-.2	
18	SSI	IP C	14 41 45.3	3.4	.1	2.75	150	63	-.4	
.....										
18	15 41 9.11		51.53 N 179.35 W							FREE DEPTH SOLUTION
DELAROF ISLANDS, ALEUTIAN ISLANDS										
18	AMA	IP	15 41 19.8	4.8	.1	2.61	32	148	.0	
18	SSI	IP	15 41 24.4	7.8	.1	2.97	83	299	-.0	
18	ASB	EP	15 41 26.0	2.8	.1	2.57	99	259	-.2	
		IS	15 41 38.7						.0	
18	ASC	IP	15 41 26.8				103	266	.1	
18	RAT	EP	15 41 33.8				163	281	.1	
.....										
18	ADK	IP D	16 49 41.5							
		IS	16 49 48.3							
18	AMA	IP	16 49 57.7	23.3	.1	3.66				
		ES	16 50 17.3							
18	ASB	EP	16 50 11.3	12.1	.2					
		ES	16 50 41.1							
18	ASC	EP	16 50 12.2							
18	ANA	EP	16 50 16.7							
18	AMA	IP D	18 29 57.6	72.0	.2	3.41				
		ES	18 30 4.2							
18	ASB	EP	18 30 12.8							
		ES	18 30 33.0							
18	ASC	EP	18 30 13.9							
18	AMA	IP D	18 52 55.4	16.7	.1	2.93				
		IS	18 52 59.9							
18	ASB	EP	18 53 2.3	4.4	.1	2.67				
		ES	18 53 12.4							
18	ASC	EP	18 53 3.5							
18	SSI	EP	18 53 3.5							
		IS	18 53 14.7							
18	ASD	EP	21 44 44.8	1.5	.1	2.47				
18	ASD	EP	21 44 44.8	2.1	.1	2.61				
		ES	21 45 4.3							
18	ASC	EP	21 44 44.9							
.....										
18	23 9 14.88		50.87 N 179.85 W							FREE DEPTH SOLUTION
DELAROF ISLANDS, ALEUTIAN ISLANDS										
18	AMA	IP	23 09 27.3				70	47	-.0	
18	ASD	IP D	23 09 28.9				81	316	-.1	
18	ASB	IP D	23 09 29.5				84	311	.2	
18	ASC	IP D	23 09 31.1				96	314	.1	
18	AND	IP D	23 09 33.6				114	313	-.1	
18	SSI	IP	23 09 34.8				121	341	.1	
18	ANA	IP	23 09 36.2				134	310	-.2	
		ES	23 09 52.0							

JUL 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
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.....
 . 18 23 30 59.16 50.62 N 175.31 E DEPTH = 50.0 KM FIXED DEPTH SOLUTION
 . RAT ISLANDS, ALEUTIAN ISLANDS
 .

. 18	RAT	IP	23 31 33.8	22.4	.1		248	57	-.2	
. 18	ANA	EP	23 31 35.3				250	63	-.2	
. 18	AND	EP	23 31 37.2				275	66	-.2	
. 18	ASB	EP	23 31 38.7	7.2	.1		288	72	-.3	
	ES		23 32 8.0						-.0	
. 18	ASC	EP	23 31 38.8				286	69	.1	
. 18	ASD	IP	23 31 39.5	3.5	.1		295	72	-.3	
. 18	SSI	IP	23 31 45.1	57.5	.1		330	63	1.0	
	IS		23 32 19.8						2.8	
. 18	AMA	EP	23 31 52.8				398	77	.2	

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.....
 . 19 0 14 45.30 5.69 S 153.80 E DEPTH = 42.0 KM MB = 5.8 MS = 7.1 TELESEISMIC SOLUTION
 . NEW IRELAND REGION
 .

. 19	ADK	EP	0 25 7.0				6966	20		6.9MS
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 . 19 0 33 26.65 51.16 N 179.33 E DEPTH = 41.9 KM FREE DEPTH SOLUTION
 . RAT ISLANDS, ALEUTIAN ISLANDS
 .

. 19	ASB	IP	0 33 34.3	3.7	.1	2.33	23	345	-.0	
	ES		0 33 39.5						-.4	
. 19	ASD	IP	0 33 34.5				26	1	-.0	
. 19	ACE	IP	0 33 34.8				29	337	-.0	
. 19	ACD	IP	0 33 35.3				33	335	.1	
. 19	ASC	IP	0 33 35.6				36	341	.2	
. 19	ACB	IP	0 33 35.7				38	333	.0	
. 19	ACA	IP	0 33 35.9				39	337	.1	
. 19	AND	IP	0 33 37.1				52	329	-.2	
. 19	ANA	IP	0 33 39.4				70	318	-.1	
. 19	SSI	IP	0 33 41.4	4.4	.1	2.67	83	12	.2	
	ES		0 33 51.7						-.1	
. 19	RAT	IP	0 33 43.2	9.8	.1	3.08	100	316	.0	
. 19	AMA	EP	0 33 44.3				109	82	-.1	

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 . 19 1 20 42.84 51.41 N 179.98 W DEPTH = 62.0 KM FREE DEPTH SOLUTION
 . DELAROF ISLANDS, ALEUTIAN ISLANDS
 .

. 19	ASD	EP	1 20 54.1	3.5	.1	2.50	47	267	-.3	
. 19	ASB	EP	1 20 54.9	2.1	.1	2.30	54	264	-.1	
	ES		1 21 3.9						.1	
. 19	ACE	EP	1 20 55.3				59	269	-.1	
. 19	ASC	IP	1 20 55.6				63	276	.1	
. 19	SSI	EP	1 20 55.5				61	331	-.1	
	ES		1 21 5.0						-.0	
. 19	ACD	IP	1 20 55.7				62	272	.0	
. 19	AMA	EP	1 20 55.8				62	103	.1	
. 19	ACA	EP	1 20 56.0				63	277	.1	
	ES		1 21 5.6						.3	
. 19	ACB	EP	1 20 56.0				65	275	-.0	
. 19	AND	EP	1 20 57.1				76	283	-.1	
. 19	ANA	EP	1 20 59.8				97	285	.2	
. 19	RAT	EP	1 21 2.8				125	291	-.0	

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JUL 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
19	1 45	43.57	50.14 N 178.43 E	DEPTH = 50.0 KM			FIXED DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
19	ASB	EP	01 46 6.1	2.8	.1	2.68	147	23	.1	
		ES	01 46 22.4						.0	
19	ASD	EP	01 46 6.6	1.5	.1	2.44	153	24	-.1	
19	ASC	EP	01 46 7.2				156	19	.1	
19	AND	EP	01 46 7.8				162	13	-.1	
19	2 13	57.55	52.17 N 179.36 E	DEPTH = 159.0 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
19	ASC	EP	02 14 21.3				80	190	.1	
19	RAT	EP	02 14 21.3	3.3	.1	2.77	82	240	-.0	
19	ASD	IP	02 14 21.5	2.2	.1	2.65	87	181	-.1	
		IS	02 14 39.2						-.0	
19	ASB	EP	02 14 21.9				91	185	.0	
19	AMA	EP	02 14 26.0				144	132	.0	
		ES	02 14 41.3						-5.5	
19	4 35	19.19	51.48 N 179.04 E	DEPTH = 59.0 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
19	AND	EP	04 35 27.9				11	327	-.3	
19	ACB	IP	04 35 28.0				4	119	-.0	
19	ACC	EP	04 35 28.0				1	49	-.0	
19	ACE	IP	04 35 28.0				13	133	-.2	
19	ACF	IP	04 35 28.0				6	329	-.1	
19	ACA	IP	04 35 28.1				6	90	.0	
19	ACD	IP	04 35 28.1				9	130	-.0	
19	ASC	EP	04 35 28.2				9	103	.1	
19	ASB	IP	04 35 28.5				20	132	.0	
		ES	04 35 35.4						.1	
19	ASD	IP	04 35 28.6				23	115	-.1	
19	ANA	EP	04 35 29.8				31	302	.7	
19	RAT	EP	04 35 31.3				60	306	-.4	
19	SSI	EP	04 35 31.9	2.3	.1	2.43	60	40	.3	
		IS	04 35 40.4						-.3	
19	AMA	IP	05 18 2.7							
19	ASD	EP	05 18 11.2							
19	ASB	EP	05 18 11.9							
		ES	05 18 24.9							
19	ASC	EP	05 18 13.5							
19	SSI	IP	05 18 14.5	13.2	.1	3.29				
		ES	05 18 29.0							
19	AND	EP	05 18 16.4							
19	ANA	EP	05 18 19.4							
19	RAT	EP	05 18 23.6							
19	6 15	51.50	51.23 N 178.49 E	DEPTH = 34.5 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
19	ANA	IP	06 16 1.1				46	15	.3	
19	ACC	EP	06 16 1.1				48	53	.1	
19	AND	IP	06 16 1.2				49	41	.0	
19	ACB	EP	06 16 1.2				49	58	.0	
19	ACE	IP	06 16 1.4				51	68	-.0	
19	ACA	EP	06 16 1.6				52	57	.1	
19	ASB	EP	06 16 1.8				55	74	-.1	
		ES	06 16 9.2						-.3	
19	RAT	EP	06 16 2.9				65	350	-.3	

JUL 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
19	ASD	EP	06 16 3.0				62	73	.1	
19	SSI	IP	06 16 9.2	8.8	.1	3.05	106	45	-.0	
		IS	06 16 22.1						-.0	
.....										
19	ASD	EP	13 32 49.0	1.7	.1	2.43				
19	ASB	EP	13 32 49.2	1.9	.1	2.49				
		ES	13 33 5.3							
19	ASC	EP	13 32 49.2							
19	ANA	IP D	13 32 50.0							
.....										
19	13 49 7.67	51.34 N 179.50 W DEPTH = 0.0 KM						FIXED DEPTH SOLUTION		
		DELAROF ISLANDS, ALEUTIAN ISLANDS								
19	AMA	IP	13 49 12.7	22.4	.1	2.91	28	101	-.1	
		IS	13 49 16.6						.1	
19	ASD	EP	13 49 22.3	4.3	.1	2.61	80	275	.0	
19	ASB	EP	13 49 23.4	12.1	.1	3.09	87	272	.2	
		ES	13 49 35.1						.5	
19	SSI	IP	13 49 23.9	3.2	.1	2.52	88	315	.4	
19	ASC	IP	13 49 24.4				94	279	.1	
19	RAT	EP	13 49 32.9				159	290	-1.2	
.....										
19	14 4 57.39	52.16 N 179.63 E DEPTH = 192.0 KM						FREE DEPTH SOLUTION		
		RAT ISLANDS, ALEUTIAN ISLANDS								
19	SSI	EP	14 05 22.9				30	186	-.0	
19	AND	EP	14 05 24.8				81	215	.0	
19	ASC	EP	14 05 24.9				84	203	-.0	
19	ASD	IP D	14 05 25.0				88	193	-.1	
19	ANA	IP D	14 05 25.3				89	229	.1	
19	ASB	IP C	14 05 25.4				93	197	-.0	
		ES	14 05 45.9						.0	
19	RAT	IP	14 05 25.7	34.6	.2	3.60	98	246	.0	
		ES	14 05 49.0						2.7	
19	AMA	EP	14 05 27.9				130	138	.1	
.....										
19	14 19 53.60	52.13 N 175.96 W DEPTH = 46.0 KM MB = 4.3						TELESEISMIC SOLUTION		
		ANDREANOF ISLANDS, ALEUTIAN ISLANDS								
19	ADK	IP D	14 20 5.0				57	242	.0	FELT I 3.8ML
		IS	14 20 14.0						.7	
19	AMA	EP	14 20 26.0				237	248	-1.1	
		I	14 20 28.1							
19	SSI	IP C	14 20 37.0				306	267	1.3	
19	ASD	EP	14 20 39.3	89.5	.2		334	258	.2	
19	ASB	EP	14 20 40.3	133.3	.2		342	257	.3	
		E	14 21 23.2							
19	ASC	IP	14 20 41.2				344	259	.9	
19	AND	IP	14 20 43.6				356	262	1.8	
19	ANA	EP	14 20 45.7				374	264	1.7	
19	RAT	IP D	14 20 48.0				394	267	1.6	
19	NIK	EP	14 21 .6				490	76	2.3	
19	SMY	E(P)	14 21 24.1				678	280	2.6	
.....										
19	AMA	EP	15 28 49.5	15.8	.2					
19	SSI	EP	15 28 55.9							
19	ASD	EP	15 28 59.4	2.5	.1					
19	ASB	EP	15 29 0.0							
19	ASC	EP	15 29 .3							
19	AND	EP	15 29 1.1							
19	ANA	EP	15 29 3.6							

JUL 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
19	15 37 46.10		5.52 S 150.60 E				33.0			TELESEISMIC SOLUTION
			NEW BRITAIN REGION							
19	ADK	EP	15 48 19.2				7076	22		6.2MS
19	16 28 50.26		50.65 N 179.83 W							FREE DEPTH SOLUTION
			DELAROF ISLANDS, ALEUTIAN ISLANDS							
19	AMA	IP D	16 29 5.1				87	35	.4	
19	ASD	IP	16 29 6.5	86.8	.2	3.71	101	325	-.3	
19	ASB	IP	16 29 7.1	142.2	.2	3.93	102	321	.1	
		ES	16 29 19.9						.7	
19	ASC	EP	16 29 8.8				114	322	-.1	
19	AND	EP	16 29 11.3				132	320	-.3	
19	SSI	IP C	16 29 12.4				144	344	-.9	
19	ANA	EP	16 29 15.0				151	316	.6	
19	RAT	EP	16 29 18.7				181	315	.1	
19	16 54 .47		52.00 N 179.58 E							FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
19	SSI	EP	16 54 21.3	4.6	.1	2.90	12	179	.0	
19	AND	EP	16 54 22.8				66	222	-.1	
19	ASC	EP	16 54 23.2				67	206	.2	
19	ASD	EP	16 54 23.3	2.7	.1	2.69	70	194	.1	
		IS	16 54 39.3						-.5	
19	ASB	EP	16 54 23.7	2.3	.1	2.64	75	198	.2	
19	RAT	IP	16 54 23.9	4.4	.1	2.93	89	256	-.4	
		ES	16 54 42.2						.5	
19	AMA	EP	18 39 17.1	36.0	.2					
		ES	18 39 44.0							
19	ADK	EP C	18 39 21.7							
		ES	18 39 31.9							
19	SSI	EP	18 39 41.4							
19	ASD	EP	18 39 42.5	3.2	.1					
19	ASB	EP	18 39 45.2							
		ES	18 40 14.9							
19	ASC	EP	18 39 45.3							
19	AND	EP	18 39 48.6							
19	ANA	EP	18 39 51.0							
19	RAT	EP	18 39 53.9							
19	RAT	EP	19 52 54.7							
19	ANA	EP	19 52 58.9							
19	AND	EP	19 53 1.4							
19	ASC	EP	19 53 5.1							
19	SSI	IP	19 53 5.4							
19	ASB	EP	19 53 6.2							
		ES	19 53 18.7							
19	ASD	EP	19 53 6.4	4.8	.2	2.49				
19	AMA	IP	20 03 11.6	21.4	.1	3.47				
		IS	20 03 25.1							
19	ASD	EP	20 03 21.1	2.4	.1					
19	ASB	EP	20 03 21.8	3.3	.1					
		ES	20 03 45.0							
19	ASC	EP	20 03 23.4							
19	AND	EP	20 03 25.5							
19	SSI	EP	20 03 25.5	9.5	.1					

JUL 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
19	22 53	44.00	62.77 N 149.05 W	DEPTH =	33.0 KM	MB = 4.6	TELESEISMIC SOLUTION			
			CENTRAL ALASKA							
21	0 4	37.95	51.21 N 178.62 E	DEPTH =	25.0 KM	FREE DEPTH SOLUTION				
			RAT ISLANDS, ALEUTIAN ISLANDS							
20	ACC	IP	00 04 46.1				43	44	.0	
20	ACB	IP C	00 04 46.2				43	49	.0	
20	AND	IP D	00 04 46.3				46	31	-.2	
20	ACD	IP	00 04 46.3				44	56	.1	
20	ACE	IP	00 04 46.3				44	61	.0	
20	ACF	IP	00 04 46.3				44	37	.1	
20	ACA	IP	00 04 46.5				46	49	-.1	
		IS	00 04 52.9						.1	
20	ANA	IP	00 04 46.6				47	4	-.0	
20	ASB	IP	00 04 46.7	6.5	.1	2.63	47	69	.0	
		IS	00 04 53.0						-.0	
20	ASC	IP	00 04 46.9				47	53	.2	
20	ASD	EP	00 04 47.5	1.0	.1	1.85	54	68	-.2	
20	SSI	EP	00 04 54.8				102	41	.1	
		IS	00 05 6.8						-.1	
20	5 27	12.69	51.51 N 178.93 E	DEPTH =	70.0 KM	FREE DEPTH SOLUTION				
			RAT ISLANDS, ALEUTIAN ISLANDS							
20	AND	EP	05 27 22.7				6	15	-.2	
20	ANA	EP	05 27 23.5				23	304	.1	
20	ASD	EP	05 27 23.8	1.7	.1	2.18	31	115	-.0	
20	ASB	EP	05 27 23.9	1.4	.1	2.09	28	127	.3	
		ES	05 27 31.4						-.2	
20	SSI	IP	05 27 26.0				62	47	-.2	
		IS	05 27 36.3						.3	
20	6 52	6.39	51.27 N 179.69 E	DEPTH =	41.7 KM	FREE DEPTH SOLUTION				
			RAT ISLANDS, ALEUTIAN ISLANDS							
20	ASD	IP D	06 52 14.4	5.0	.1	2.48	28	300	-.0	
20	ASB	IP C	06 52 14.9	4.7	.1	2.48	32	289	.1	
		ES	06 52 20.9						-.1	
20	ACE	IP	06 52 15.4				39	293	-.1	
20	ACD	IP	06 52 15.9				42	295	.0	
20	ASC	IP C	06 52 16.1				42	301	.2	
20	ACA	IP	06 52 16.4				46	301	.1	
20	ACB	IP	06 52 16.4				47	298	-.0	
20	ACC	IP	06 52 16.9				51	299	.0	
20	SSI	IP	06 52 19.2	9.3	.1	2.97	70	354	-.1	
		IS	06 52 28.7						.0	
20	RAT	IP	06 52 24.3	3.0	.1	2.60	111	303	-.1	
20	8 10	54.49	52.19 N 179.61 E	DEPTH =	198.0 KM	FREE DEPTH SOLUTION				
			RAT ISLANDS, ALEUTIAN ISLANDS							
20	AND	EP	08 11 22.5				83	213	-.1	
20	ASD	IP	08 11 22.9	5.3	.1	3.09	91	192	-.2	
20	ASC	IP D	08 11 23.1				87	201	.3	
20	ANA	IP D	08 11 23.1				90	226	.1	
20	ASB	IP	08 11 23.3	6.3	.1	3.17	96	195	-.0	
20	RAT	IP D	08 11 23.4	7.7	.1	3.26	98	244	-.0	
20	AMA	EP	08 11 25.8	2.9	.1	2.87	134	138	.0	

JUL 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
20	10 50	24.71	51.56 N 178.79 E	DEPTH = 22.8 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
20	AND	IP	10 50 28.7				11	91	-.2	
20	ANA	IP	10 50 29.0				11	307	.0	
20	ACB	IP	10 50 30.2				23	119	.0	
		IS	10 50 34.4						.3	
20	ASC	IP	10 50 30.9				28	114	.2	
20	ACD	IP	10 50 30.9				28	122	.2	
20	ACE	IP	10 50 31.2				32	125	.0	
20	ASB	IP	10 50 32.0	2.8	.1	2.19	39	126	-.2	
		IS	10 50 37.4						-.2	
20	ASD	IP C	10 50 32.6	4.8	.1	2.45	43	117	-.1	
20	SSI	EP	10 50 36.2	2.0	.1	2.22	66	56	.1	
		IS	10 50 44.2						-.1	
.....										
20	11 10	20.97	51.36 N 178.16 E	DEPTH = 50.0 KM			FIXED DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
20	ANA	IP	11 10 30.5				46	50	-.8	
		IS	11 10 33.8						-5.1	
20	AND	EP	11 10 32.1				59	68	-.7	
20	RAT	IP	11 10 32.1	5.5	.1	2.66	50	14	.3	
		IS	11 10 36.5						-3.2	
20	ASC	EP	11 10 34.6				71	81	.5	
20	SSI	IP	11 10 40.1	2.4	.1	2.53	115	59	.6	
.....										
20	11 12	6.22	51.27 N 178.14 E	DEPTH = 26.8 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
20	ANA	IP	11 12 16.3				54	42	.3	
20	RAT	EP	11 12 16.7	6.0	.1	2.67	61	12	-.3	
20	AND	EP	11 12 17.5				65	59	-.0	
20	ACB	IP	11 12 18.4				69	71	.2	
20	ASB	EP	11 12 19.1	3.0	.1	2.46	77	82	-.3	
		ES	11 12 28.6						-.5	
20	ASC	IP	11 12 19.9				74	72	.9	
20	ASD	EP	11 12 20.2	2.0	.1	2.30	84	80	-.3	
20	SSI	IP	11 12 25.9	37.7	.1	3.72	122	55	-.1	
		IS	11 12 40.5						.1	
.....										
20	12 2	31.37	52.03 N 178.25 E	DEPTH = 133.7 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
20	RAT	EP	12 02 49.6				26	168	-.2	
		ES	12 03 3.3						.1	
20	ANA	EP	12 02 50.9				53	148	.1	
20	AND	EP	12 02 51.7				71	137	-.1	
20	ASC	EP	12 02 53.2				89	135	.2	
20	SSI	IP	12 02 53.3	3.9	.1	2.84	93	99	.0	
20	ASB	EP	12 02 53.9	4.0	.1	2.87	102	137	-.0	
20	ASD	IP C	12 02 54.1	7.7	.1	3.15	104	133	-.0	
		ES	12 03 10.6						-.1	
.....										
20	12 45	16.25	51.25 N 178.58 E	DEPTH = 36.4 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
20	AND	IP	12 45 25.4				44	37	.0	
20	ANA	EP	12 45 25.5				42	8	.3	
20	ASB	EP	12 45 25.9	1.4	.1	2.01	48	75	-.1	

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JUL 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
		ES	12 45 32.8							
20	ASC	EP	12 45 26.0				47	60		-2
20	ASD	EP	12 45 26.8	1.4	.1	2.04	55	73		-1
20	RAT	EP	12 45 27.7				64	344		-3
20	SSI	EP	12 45 33.2	7.6	.1	2.97	100	44		.0
		ES	12 45 45.4							-1
20	14 18 32.67		52.08 N 179.62 E							DEPTH = 133.8 KM
			RAT ISLANDS, ALEUTIAN ISLANDS							FREE DEPTH SOLUTION
20	SSI	EP	14 18 50.9	5.6	.1	2.93	21	187		-3
20	ASD	EP	14 18 53.4	4.8	.1	2.91	79	194		-2
20	ASC	EP	14 18 53.7				76	205		.3
		ES	14 19 8.5							.0
20	ASB	EP	14 18 53.8	7.3	.1	3.10	84	198		-1
20	AMA	IP	14 18 57.2	9.3	.1	3.27	124	135		.0
20	15 59 7.03		51.94 N 179.24 W							DEPTH = 25.0 KM
			DELAROF ISLANDS, ALEUTIAN ISLANDS							FIXED DEPTH SOLUTION
20	AMA	IP	15 59 19.6				73	173		.1
		ES	15 59 28.6							-0
20	SSI	IP	15 59 21.0	8.8	.1	2.94	81	267		.3
20	ASD	IP	15 59 25.8	13.6	.1	3.26	115	239		-1
20	ASC	EP	15 59 26.8				122	245		-1
20	ASB	IP	15 59 27.0	28.9	.1	3.61	123	239		.0
		ES	15 59 41.7							.2
20	AND	IP	15 59 28.0				132	252		-3
20	ANA	EP	15 59 30.8				149	257		-1
20	18 14 .07		51.75 N 179.41 E							DEPTH = 193.1 KM
			RAT ISLANDS, ALEUTIAN ISLANDS							FREE DEPTH SOLUTION
20	ASD	EP	18 14 25.8	3.9	.1	2.92	40	187		-2
		ES	18 14 44.9							-0
20	ASC	EP	18 14 26.0				36	208		.1
20	ASB	EP	18 14 26.1	5.2	.1	3.05	45	195		-0
20	AND	EP	18 14 25.1				38	237		.2
20	ANA	EP	18 14 26.5				54	255		.1
20	RAT	IP	18 14 27.1	8.2	.1	3.26	75	275		-2
20	21 25 55.90		5.60 S 153.93 E							DEPTH = 53.0 KM MB = 5.4
			NEW IRELAND REGION							TELESEISMIC SOLUTION
20	ADK	EP	21 36 16.9				6952	20		
20	22 22 3.54		51.57 N 178.80 E							DEPTH = 21.0 KM
			RAT ISLANDS, ALEUTIAN ISLANDS							FREE DEPTH SOLUTION
20	AND	IP	22 22 7.4				11	94		-1
		IS	22 22 10.4							-0
20	ANA	EP	22 22 7.5				11	304		.0
20	ASC	IP	22 22 9.7				28	115		.3
20	ASB	IP	22 22 10.8	1.9	.1	2.01</				

JUL 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
20	23 14 49.10		52.19 N 178.05 E	DEPTH = 133.6 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
20	RAT	IP	23 15 8.2	20.8	.1	3.52	48	156	-.1	
20	ANA	EP	23 15 9.9				76	146	.1	
20	AND	EP	23 15 11.0				94	138	-.1	
		ES	23 15 27.1						-.0	
20	ASC	EP	23 15 12.7				112	136	.2	
20	ASB	EP	23 15 13.5	1.2	.1	2.38	124	138	-.1	
20	ASD	EP	23 15 13.7	1.0	.1	2.29	126	134	-.1	
20	ADK	EP	23 19 33.6							
		ES	23 19 54.9							
21	0 53 21.50		52.19 N 170.45 W	DEPTH = 34.0 KM MB = 3.7			TELESEISMIC SOLUTION			
			FOX ISLANDS, ALEUTIAN ISLANDS							
21	ADK	EP	00 54 19.3				430	268		
21	AMA	IP	00 54 40.4	63.8	.3		607	264		
21	SSI	EP	00 54 52.8	32.3	.3		685	271		
21	ASD	EP	00 54 53.0	10.5	.1		710	267		
		ES	00 56 8.2							
21	ASB	EP	00 54 54.0				717	267		
21	ASC	EP	00 54 55.0				721	268		
21	AND	EP	00 54 56.4				733	269		
21	ANA	EP	00 55 .3				752	270		
21	RAT	EP	00 55 2.8	62.5	.3		772	271		
21	ADK	EP	00 57 25.9							
		ES	00 58 10.3							
21	ASD	EPN	00 57 59.8							
		IP	00 58 2.2							
21	ASB	EPN	00 58 .9							
		IP	00 58 2.9							
21	ASC	EPN	00 58 1.8							
		IP	00 58 3.2							
21	AND	EPN	00 58 3.4							
		IP	00 58 4.7							
21	ANA	IPG	00 58 7.1							
21	2 4 4.10		51.35 N 179.95 E	DEPTH = 29.9 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
21	ASD	IP C	02 04 12.5	2.0	.1	2.09	43	276	-.1	
21	ASB	IP C	02 04 13.5	8.3	.1	2.76	49	272	.1	
		ES	02 04 20.1						-.1	
21	ACE	IP	02 04 14.2				54	276	.0	
21	ASC	IP C	02 04 14.6				56	283	.2	
21	ACD	IP	02 04 14.7				57	279	.1	
21	ACA	IP	02 04 15.0				60	284	.1	
21	ACC	IP	02 04 15.3				65	284	-.3	
21	AMA	IP	02 04 15.7	8.1	.1	2.84	66	96	-.0	
21	SSI	EP	02 04 15.7				65	337	.0	
21	AND	EP	02 04 16.8				73	289	-.0	
21	ANA	EP	02 04 19.9				95	289	-.1	
21	3 23 55.10		51.26 N 178.04 W	DEPTH = 50.0 KM			FIXED DEPTH SOLUTION			
			ANDREANOF ISLANDS, ALEUTIANS ISLANDS							
21	ADK	EP	03 24 14.8				117	53	1.0	
		ES	03 24 28.5						1.1	
21	SSI	EP	03 24 20.9	9.0	.1	3.26	178	294	-.5	

JUL 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
21	ASD	EP	03 24 21.2	1.4	.1	2.46	183	276	-.7	
21	ASB	EP	03 24 22.5	1.5	.1	2.50	189	274	-.2	
		ES	03 24 43.6						.8	
21	ASC	EP	03 24 23.7				195	278	.2	
21	AND	EP	03 24 25.6				211	280	.2	
21	ANA	EP	03 24 28.2				232	281	.2	
21	RAT	IP	03 24 31.5				258	285	.3	

21 4 4 40.18 51.44 N 179.26 E DEPTH = 40.6 KM FREE DEPTH SOLUTION
RAT ISLANDS, ALEUTIAN ISLANDS

21	ASD	IP	04 04 46.7				7	133	-.1	
21	ASB	IP	04 04 46.8				9	188	-.0	
		IS	04 04 51.0						-.7	
21	ACE	IP	04 04 46.8				8	237	-.0	
21	ASC	IP	04 04 47.0				7	292	.2	
21	ACA	IP	04 04 47.0				11	296	.1	
21	ACD	IP	04 04 47.0				9	264	.2	
21	ACC	IP	04 04 47.2				16	289	.0	
21	ACR	IP	04 04 47.4				12	283	.4	
21	ACF	IP	04 04 47.6				21	298	.1	
21	AND	IP	04 04 47.8				26	303	-.1	
21	ANA	IP	04 04 50.1				47	297	.0	
21	SSI	IP	04 04 51.2	28.8	.1	3.37	55	24	.1	
		ES	04 04 59.0						-.1	
21	RAT	EP	04 04 53.5				76	302	-.4	
21	AMA	IP	04 04 58.6				114	98	-.0	

21 4 4 15.80 52.08 N 170.48 W DEPTH = 33.0 KM MB = 4.2 TELESEISMIC SOLUTION
FOX ISLANDS, ALEUTIAN ISLANDS

21	ADK	EP	04 05 13.4				427	269		
21	AMA	EP	04 05 35.9	14.8	.1		603	265		
21	SSI	EP	04 05 47.1				683	272		
21	ASD	EP	04 05 49.0	6.5	.1		707	268		REGIONAL
21	ASB	EP	04 05 50.1				714	268		
21	ASC	EP	04 05 50.7				718	269		
21	AND	EP	04 05 52.3				731	270		
21	ANA	EP	04 05 54.6				750	270		
21	RAT	EP	04 05 57.5				770	272		

21	RAT	EP	04 45 13.0							
21	ANA	IP	04 45 15.7							
21	AND	EP	04 45 17.8							
21	ASC	EP	04 45 19.6							
		ES	04 45 32.8							
21	SSI	EP	04 45 24.2	2.4	.1	2.61				
		IS	04 45 40.9							

21 5 41 22.17 51.50 N 179.03 E DEPTH = 76.2 KM FREE DEPTH SOLUTION
RAT ISLANDS, ALEUTIAN ISLANDS

21	ASC	EP	05 41 33.4				10	113	.2	
21	ASD	EP	05 41 33.5	1.4	.1	2.12	25	119	-.2	
21	ASB	EP	05 41 33.6	1.0	.1	1.97	22	135	.1	
		ES	05 41 41.8						-.0	
21	ANA	EP	05 41 33.8				29	299	-.1	

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JUL 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
21	7 48 23.05		51.17 N 178.96 E				33.4 KM			FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
21	ASB	IP C	07 48 30.2	24.4	.1	3.12	29	44	-.0	
		IS	07 48 35.2						-.2	
21	ACE	IP	07 48 30.3				29	31	.0	
21	ACD	IP	07 48 30.6				31	24	.2	
21	ASD	IP	07 48 30.7	14.1	.1	2.93	36	48	-.3	
21	ACC	IP	07 48 30.8				35	10	-.1	
21	ASC	IP C	07 48 31.0				35	24	.1	
21	ACB	IP	07 48 31.0				33	16	.3	
21	ACA	IP	07 48 31.1				36	18	.1	
21	ACF	IP	07 48 31.5				39	4	.1	
21	AND	IP D	07 48 31.9				43	360	.0	
21	ANA	IP C	07 48 33.4				54	338	.1	
21	RAT	IP C	07 48 36.9	9.8	.1	3.00	82	328	-.3	
21	SSI	IP C	07 48 38.5	66.5	.1	3.87	91	29	-.0	
21	AMA	IP	07 48 44.8	11.1	.2	2.94	135	84	.0	
21	8 47 5.40		51.35 N 176.60 W				37.0 KM			TELESEISMIC SOLUTION
			ANDREANOF ISLANDS, ALEUTIANS ISLANDS							
21	ADK	EP D	08 47 16.5				60	354	-.2	
		ES	08 47 23.0						-1.9	
21	AMA	EP	08 47 31.5	32.4	.1	3.80	175	269	-.2	
21	SSI	EP	08 47 44.0				271	284	.5	
21	ASD	EP	08 47 45.3	9.1	.2		282	273	.4	
		ES	08 47 16.7						.8	
21	ASB	EP	08 47 46.3	4.4	.1		289	272	.6	
21	ASC	EP	08 47 46.8				295	274	.4	
21	AND	EP	08 47 48.8				310	276	.5	
21	RAT	EP	08 47 54.2	7.3	.2		355	280	.4	
21	8 53 19.44		51.46 N 178.86 E				65.9 KM			FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
21	ACC	IP	08 53 29.4				13	79	.1	
21	AND	EP	08 53 29.5				13	31	.2	
21	ACA	EP	08 53 29.5				18	83	.0	
21	ACB	EP	08 53 29.6				16	89	.2	
21	ACD	IP	08 53 29.6				20	100	.1	
21	ACE	IP	08 53 29.6				23	107	-.1	
21	ASC	IP	08 53 29.7				21	89	.1	
21	ANA	EP	08 53 29.7				23	324	.0	
21	ASB	EP	08 53 30.0	2.2	.1	2.27	29	112	-.0	
21	ASD	EP	08 53 30.2	2.7	.1	2.36	35	103	-.1	
		ES	08 53 38.0						-.3	
21	RAT	IP	08 53 31.5				52	316	-.2	
21	SSI	EP	08 53 33.4				70	46	.0	
21	9 45 8.26		51.44 N 178.66 E				38.0 KM			FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
21	ANA	EP	09 45 15.2				21	360	-.0	
21	AND	IP D	09 45 15.5				24	56	-.0	
21	ASC	EP	09 45 16.7				35	86	.2	
		ES	09 45 22.7						.1	
21	ASB	EP	09 45 17.2				42	102	-.1	
21	ASD	EP	09 45 17.9				47	96	-.1	

JUL 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
21	11 36	12.70	60.49 N 149.68 W	DEPTH =			38.0 KM	MB = 3.3		TELESEISMIC SOLUTION
KENAI PENINSULA, ALASKA										
.....										
21	NIK	EP	12 04 4.7							
21	ADK	EP	12 04 38.9							
		ES	12 05 28.7							
21	AMA	IP	12 05 .7							
21	SSI	EP	12 05 11.0							
21	ASD	EP	12 05 13.5	14.4	.1					
		ES	12 06 28.2							
21	ASB	EP	12 05 14.2							
21	ASC	EP	12 05 15.2							
21	AND	EP	12 05 16.4							
21	ANA	EP	12 05 19.4							
21	RAT	EP	12 05 21.7							
21	ADK	EP	12 13 52.7							
.....										
21	12 49	7.53	49.91 N 178.20 E	DEPTH =			75.0 KM	FIXED DEPTH SOLUTION		
RAT ISLANDS, ALEUTIAN ISLANDS										
21	ASB	IP	12 49 34.1	1.7	.1	2.55	177	24	-.2	
		ES	12 49 50.0						-3.7	
21	ASD	EP	12 49 34.5	2.8	.1	2.78	183	26	-.5	
21	ASC	EP	12 49 35.2				185	21	-.1	
21	AND	EP	12 49 35.8				191	16	-.1	
21	SSI	EP	12 49 43.0	4.4	.1		241	23	1.0	
		IS	12 50 7.0						-.0	
.....										
21	13 10	40.71	51.76 N 177.89 E	DEPTH =			67.2 KM	FREE DEPTH SOLUTION		
RAT ISLANDS, ALEUTIAN ISLANDS										
21	RAT	IP	13 10 51.4	5.5	.1	2.68	30	82	-.1	
		ES	13 10 59.6						.3	
21	ANA	EP	13 10 53.2				55	106	-.2	
21	AND	EP	13 10 55.2				77	107	-.2	
21	ASC	EP	13 10 57.6				94	110	.3	
21	ASD	EP	13 10 59.2				109	112	.2	
		ES	13 11 12.1						-.2	
21	SSI	EP	13 11 0.0				118	82	-.0	
.....										
21	17 39	25.23	51.25 N 179.45 E	DEPTH =			32.4 KM	FREE DEPTH SOLUTION		
RAT ISLANDS, ALEUTIAN ISLANDS										
21	ASD	IP	17 39 31.2	9.2	.1	2.63	17	335	.0	
21	ASB	IP	17 39 31.2	4.4	.1	2.31	19	311	-.1	
		ES	17 39 35.7						.0	
21	ACE	EP	17 39 31.8				25	311	-.1	
21	ACD	EP	17 39 32.3				29	313	.0	
21	ASC	EP	17 39 32.6				31	320	.2	
21	ACB	IP	17 39 32.9				34	314	.1	
21	AND	EP	17 39 34.6				49	315	-.1	
21	SSI	EP	17 39 37.9				72	8	.0	
		ES	17 39 47.1						-.0	
.....										
21	17 57	12.44	50.97 N 177.77 E	DEPTH =			24.6 KM	FREE DEPTH SOLUTION		
RAT ISLANDS, ALEUTIAN ISLANDS										
21	ANA	EP	17 57 28.7				96	40	.4	
21	RAT	IP	17 57 28.7	42.2	.1	3.70	100	23	-.3	
21	AND	IP	17 57 29.7				106	51	-.1	

JUL 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
21	ACF	EP	17 57 29.8				105	54	.0	
21	ACC	IP	17 57 29.9				106	57	.1	
21	ACB	EP	17 57 30.0				107	59	-.0	
21	ACD	EP	17 57 30.2				108	61	.0	
21	ACE	EP	17 57 30.2				109	64	-.1	
21	ACA	IP	17 57 30.5				110	58	.0	
21	ASB	IP	17 57 30.8	80.0	.2	3.72	112	67	.0	
		ES	17 57 44.0						-.1	
21	ASC	EP	17 57 30.9				112	60	.2	
21	ASD	IP	17 57 31.6	28.3	.2	3.29	119	66	-.3	
21	SSI	IP	17 57 38.3	75.4	.1	4.13	163	50	.0	
.....										
21	19 48 .44		51.53 N 179.02 E	DEPTH = 24.6 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
21	ACF	IP	19 48 4.5				2	259	.1	
21	AND	IP	19 48 4.7				6	309	.1	
		IS	19 48 7.2						-.5	
21	ACA	IP	19 48 4.7				9	128	-.1	
21	ACC	IP	19 48 4.7				5	162	.1	
21	ACB	IP	19 48 4.8				9	146	.0	
21	ASC	IP	19 48 5.0				12	126	-.0	
21	ACD	IP	19 48 5.2				14	144	.1	
21	ACE	IP	19 48 5.5				18	143	.0	
21	ASB	IP	19 48 6.3	20.0	.1	2.94	25	140	.1	
21	ASD	IP	19 48 6.4				27	124	-.1	
21	ANA	IP	19 48 7.0				27	294	.5	
21	RAT	IP	19 48 10.0	27.3	.1	3.30	56	302	-.5	
21	SSI	IP	19 48 10.7	44.3	.1	3.51	56	44	.2	
21	AMA	IP	19 48 21.5	7.9	.1	3.08	133	101	-.2	
.....										
22	AMA	IP	04 21 43.0	43.2	.1	3.09				AMA LOCAL
		IS	04 21 45.4							
22	ASD	EP	04 21 56.5	2.0	.1	2.39				
22	ASB	EP	04 21 57.5							
22	ASC	EP	04 21 58.9							
		IS	04 22 12.6							
.....										
22	5 9 53.93		51.56 N 179.20 W	DEPTH = 72.1 KM			FREE DEPTH SOLUTION			
			DELAROF ISLANDS, ALEUTIAN ISLANDS							
22	AMA	IP	05 10 5.2	8.6	.1	2.90	31	169	-.1	
		IS	05 10 13.7						.1	
22	SSI	IP	05 10 10.5	7.8	.1	3.01	92	294	-.1	
22	ASD	IP	05 10 11.7	5.3	.1	2.88	103	260	-.1	
22	ASB	EP	05 10 12.5	4.6	.1	2.83	110	259	-.1	
		ES	05 10 26.2						-.1	
22	ASC	EP	05 10 13.3				114	265	.2	
22	ANA	IP	05 10 17.2				148	274	.1	
.....										
22	6 30 18.51		51.57 N 179.75 W	DEPTH = 62.1 KM			FREE DEPTH SOLUTION			
			DELAROF ISLANDS, ALEUTIAN ISLANDS							
22	ASD	EP	06 30 31.8	1.5	.1	2.21	66	253	.0	
22	ASB	EP	06 30 32.5				73	252	-.1	
		ES	06 30 42.8						-.0	
22	ASC	EP	06 30 33.0				76	262	.1	
22	AND	EP	06 30 34.2				90	270	-.2	
22	ANA	EP	06 30 36.8				110	274	.1	
.....										
22	ASB	EP	09 11 19.9	1.9	.1	2.55				
22	ANA	EP	09 11 20.0							

JUL 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
22	AND	IP	09 11 20.3							
22	ASD	EP	09 11 20.5	2.1	.1	2.60				
		ES	09 11 39.8							
22	ASB	EP	11 03 53.6	1.4	.1	1.92				
		ES	11 03 58.9							
22	ASD	IP	11 03 54.0	2.1	.1	2.12				
22	ASC	EP	11 03 55.0							
22	AND	EP	11 03 55.5							
.....										
22	11 16 43.00	52.12 N 179.82 W DEPTH = 170.5 KM							FREE DEPTH SOLUTION	
		DELAROF ISLANDS, ALEUTIAN ISLANDS								
22	SSI	IP	11 17 6.5	115.3	.1	4.35	48	238	.0	
22	ASD	IP	11 17 9.0	31.2	.1	3.82	100	216	-.1	
22	AND	EP	11 17 9.3				105	234	-.2	
22	AMA	IP	11 17 9.4				105	152	-.1	
22	ASC	IP	11 17 9.5				101	224	.3	
22	ASB	IP	11 17 9.6	93.6	.1	4.31	106	218	.0	
		IS	11 17 28.9						-.1	
22	ANA	IP	11 17 10.5				118	243	.1	
22	RAT	IP	11 17 11.3	9.9	.1	3.36	132	255	-.2	
.....										
22	14 19 15.93	50.88 N 179.80 W DEPTH = 25.0 KM							FIXED DEPTH SOLUTION	
		DELAROF ISLANDS, ALEUTIAN ISLANDS								
22	AMA	IP	14 19 27.7	5.9	.1	2.70	66	46	.3	
		IS	14 19 35.7						-.1	
22	ASD	EP	14 19 30.0	3.1	.1	2.49	83	314	.1	
		ES	14 19 40.5						.5	
22	ASB	EP	14 19 30.3				86	309	.0	
22	ASC	EP	14 19 32.1				97	312	.1	
22	AND	EP	14 19 34.5				116	312	-.3	
22	SSI	EP	14 19 35.2				121	340	-.3	
.....										
22	ADK	EP	14 22 25.2							
		ES	14 22 46.0							
22	ADK	EP	14 24 32.0							
		ES	14 24 53.0							
22	ADK	EP	15 40 3.0							
		ES	15 40 24.1							
.....										
22	16 25 21.69	51.14 N 179.32 E DEPTH = 27.6 KM							FREE DEPTH SOLUTION	
		RAT ISLANDS, ALEUTIAN ISLANDS								
22	ASB	IP	16 25 26.9				25	348	.1	
22	ASD	IP	16 25 27.0	3.3	.1	2.26	28	3	-.1	
22	ASC	EP	16 25 28.4				38	343	.1	
22	AND	EP	16 25 30.4				54	332	-.1	
22	SSI	EP	16 25 35.2	3.2	.1	2.52	86	12	.0	
		E(S)	16 25 45.7						.0	
.....										
22	19 15 54.16	51.10 N 172.81 E DEPTH = 75.0 KM							FIXED DEPTH SOLUTION	
		RAT ISLANDS, ALEUTIAN ISLANDS								
22	RAT	IP	19 16 46.6	26.6	.3		391	76	-.2	
22	ANA	EP	19 16 49.5				411	79	.2	
22	AND	EP	19 16 51.4				430	81	-.3	
22	ASB	EP	19 16 54.0				450	84	-.1	
		ES	19 17 37.8						-.0	

JUL 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
22	ASD	EP	19 16 55.0				456	83	.1	
22	SSI	EP	19 16 57.8	4.9	.2		478	77	.3	
.....										
22	21 40	8.18	51.54 N 179.09 E	DEPTH = 73.8 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
22	ACE	IP	21 40 18.8				16	159	-.3	
22	ASC	EP	21 40 18.9				10	147	-.0	
		IS	21 40 26.7						-.1	
22	ACA	IP	21 40 18.9				6	161	.0	
22	ACB	IP	21 40 18.9				8	179	.0	
22	ACC	IP	21 40 19.0				7	209	.1	
22	ACD	IP	21 40 19.0				12	165	.0	
22	ASD	EP	21 40 19.4	2.1	.1	2.28	24	132	.0	
22	ASH	EP	21 40 19.4	5.3	.1	2.68	22	151	.1	
22	ANA	EP	21 40 19.9				31	289	.2	
22	SSI	IP	21 40 21.2	2.7	.1	2.45	53	41	.0	
22	RAT	EP	21 40 21.7	2.2	.1	2.38	60	299	-.1	
.....										
23	0 30	35.83	51.17 N 179.05 E	DEPTH = 31.9 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
23	ASB	EP	00 30 42.5				26	33	.0	
23	ASD	EP	00 30 43.1	1.0	.1	1.73	32	39	-.1	
		IS	00 30 48.5						-.1	
23	ASC	EP	00 30 43.6				34	14	.2	
23	AND	EP	00 30 44.7				45	351	-.0	
23	ANA	EP	00 30 46.4				58	332	-.1	
.....										
23	1 0	41.33	50.28 N 178.38 E	DEPTH = 18.8 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
23	ASB	EP	01 01 3.7				135	27	.7	
23	ASD	EP	01 01 3.8				141	28	-.1	
		IS	01 01 20.2						-.1	
23	AND	EP	01 01 4.4				148	16	-.6	
23	SSI	IP	01 01 12.3	5.4	.1	3.06	198	25	.2	
23	AMA	EP	01 01 13.2	.7	.1		209	57	-.2	
.....										
23	6 45	45.10	17.63 S 178.89 W	DEPTH = 547.0 KM			TELESEISMIC SOLUTION			
			FIJI ISLANDS REGION							
23	ADK	EP	06 55 57.4				7699	1		00
.....										
23	7 45	33.62	50.92 N 179.39 E	DEPTH = 25.0 KM			FIXED DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
23	ASB	IP	07 45 43.7	11.0	.1	2.87	50	349	.9	
		IS	07 45 48.4						-1.1	
23	ACE	IP	07 45 43.9				56	344	.3	
23	ASD	IP	07 45 44.3	15.5	.1	3.04	53	356	1.1	
23	ACD	IP	07 45 44.3				60	343	.1	
23	ASC	IP	07 45 44.7				63	345	.1	
23	ACB	IP	07 45 44.7				64	341	-.1	
23	ACA	IP	07 45 45.0				66	343	-.0	
23	ACC	IP	07 45 45.0				68	339	-.3	
23	ACF	EP	07 45 45.6				73	338	-.5	
23	AND	IP	07 45 46.0				78	337	-.9	
23	AMA	EP	07 45 51.3				113	68	-.7	

JUL 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
23	SSI	EP	07 45 52.9				109	7	1.4	
		IS	07 46 4.3						-3	
23	8 1	22.70	52.67 N 160.68 E	DEPTH = 33.0 KM	MB = 4.8	MS = 4.3	TELESEISMIC SOLUTION			
	OFF EAST COAST OF KAMCHATKA									
23	SMY	EP	08 03 17.5				907	84		
23	10 4	11.38	51.57 N 179.88 W	DEPTH = 185.9 KM	FREE DEPTH SOLUTION					
	DELAROF ISLANDS, ALEUTIAN ISLANDS									
23	ASD	EP	10 04 37.0				58	250	-0	
23	ASB	EP	10 04 37.3				65	249	-0	
23	ASC	EP	10 04 37.4				67	260	-0	
		ES	10 04 55.4						-0	
23	13 2	50.23	52.02 N 179.23 E	DEPTH = 148.9 KM	FREE DEPTH SOLUTION					
	RAT ISLANDS, ALEUTIAN ISLANDS									
23	SSI	EP	13 03 10.5	2.2	.1	2.56	28	120	-0	
23	ASC	EP	13 03 12.0				62	184	.2	
23	RAT	IP	13 03 12.0	2.7	.1	2.68	67	249	-0	
23	ASD	EP	13 03 12.1	1.5	.1	2.44	71	174	-1	
		ES	13 03 28.3						-0	
23	ASB	EP	13 03 12.4				74	179	-0	
23	13 52	5.36	51.48 N 179.92 E	DEPTH = 25.0 KM	FIXED DEPTH SOLUTION					
	RAT ISLANDS, ALEUTIAN ISLANDS									
23	ASD	EP	13 52 13.1	2.8	.1	2.22	42	256	-2	
23	ASB	EP	13 52 14.3	4.7	.1	2.49	49	254	-0	
		ES	13 52 20.8						-1	
23	SSI	IP	13 52 14.7	11.2	.1	2.89	51	333	.0	
		IS	13 52 21.4						-1	
23	ASC	IP	13 52 15.2				53	268	.3	
23	17 32	14.23	51.07 N 179.53 W	DEPTH = 34.5 KM	FREE DEPTH SOLUTION					
	DELAROF ISLANDS, ALEUTIAN ISLANDS									
23	AMA	IP C	17 32 22.6	21.5	.1	3.13	38	50	.1	
		ES	17 32 28.3						-2	
23	ASD	IP C	17 32 29.0	7.6	.1	2.91	87	295	-1	
23	ASB	EP	17 32 29.8	7.5	.1	2.93	91	291	.0	
		ES	17 32 41.1						-0	
23	ASC	IP	17 32 31.2				101	296	.0	
23	SSI	IP	17 32 32.6	39.9	.1	3.72	110	326	.1	
23	AND	EP	17 32 33.7				119	298	-1	
23	RAT	EP	17 32 40.1				169	299	.1	
23	AMA	EP	17 55 15.4	35.6	.2					
23	ASD	EP	17 55 25.9							
23	ASB	EP	17 55 26.9	23.8	.3					
23	ASC	EP	17 55 27.8							

NOT LOCAL

JUL 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
23	18 19	3.19	51.65 N 179.47 E	DEPTH = 86.2 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
23	SSI	IP C	18 19 15.8	10.2	.1	3.03	28	17	-.2	
		IS	18 19 25.5						.2	
23	ASD	IP C	18 19 15.9	4.1	.1	2.63	31	197	-.2	
23	ACA	EP	18 19 16.1				31	232	-.0	
23	ACB	EP	18 19 16.3				34	231	.0	
23	ACE	IP	18 19 16.3				35	216	-.0	
23	ASB	IP C	18 19 16.4				36	206	.0	
		ES	18 19 25.7						-.3	
23	ASC	IP C	18 19 16.4				30	225	.3	
23	ACC	EP	18 19 16.4				35	238	.1	
23	ACD	IP	18 19 16.4				34	223	.1	
23	RAT	EP D	18 19 19.6	5.5	.1	2.86	80	282	-.1	
23	AMA	EP	18 19 22.3	3.3	.1	2.70	106	112	.0	
.....										
23	20 56	23.15	51.08 N 179.13 W	DEPTH = 27.4 KM MB = 4.0			FREE DEPTH SOLUTION			
DELAROF ISLANDS, ALEUTIAN ISLANDS										
23	AMA	IP D	20 56 29.1				24	4	-.0	WHITEOUT
		IS	20 56 33.5						.1	
23	ASD	IP	20 56 41.5	20.9	.1	3.44	112	289	-.0	
		ES	20 56 35.5						-.1	
23	ASB	EP	20 56 42.2	23.9	.2	3.21	117	286	-.1	
23	ASC	EP	20 56 43.7				126	291	.1	
23	SSI	IP	20 56 43.7				127	316	-.1	
23	AND	EP	20 56 46.4				144	293	.1	
23	ADK	EP	20 56 49.3				192	61	-3.1	
		ES	20 57 9.2						-4.5	
23	RAT	IP	20 56 52.6				194	296	.0	
.....										
23	21 38	39.22	51.08 N 179.54 W	DEPTH = 32.5 KM			FREE DEPTH SOLUTION			
DELAROF ISLANDS, ALEUTIAN ISLANDS										
23	AMA	IP C	21 38 47.4	32.4	.1	3.29	38	53	.1	
		IS	21 38 53.0						-.2	
23	ASD	IP C	21 38 53.7	9.1	.1	2.98	85	294	-.1	
		ES	21 39 4.1						-.2	
23	ASB	EP	21 38 54.5	5.8	.1	2.80	90	291	.0	
23	ASC	IP D	21 38 56.0				99	296	.1	
23	SSI	IP D	21 38 57.4	31.0	.1	3.60	109	327	.2	
23	AND	EP	21 38 58.5				117	298	-.0	
23	ANA	EP	21 39 1.5				139	297	.1	
23	RAT	EP	21 39 4.8				158	299	-.2	
.....										
23	AMA	IP D	23 29 17.3	41.1	.1	3.22				
		IS	23 29 20.8							
23	ASD	EP	23 29 28.4	1.0	.1	2.08				
23	ASB	EP	23 29 29.5	2.3	.1	2.47				
		ES	23 29 42.0							
23	ASC	EP	23 29 30.7							
.....										
23	23 41	15.64	51.56 N 179.64 E	DEPTH = 72.3 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
23	ASD	EP	23 41 26.8	3.6	.1	2.52	28	228	-.0	
23	ASB	EP	23 41 27.2	3.5	.1	2.52	35	231	-.0	
		IS	23 41 35.4						-.3	
23	ACE	EP	23 41 27.3				37	242	-.0	
23	ASC	IP	23 41 27.4				34	252	.2	
23	SSI	EP	23 41 27.4	2.0	.1	2.28	37	355	-.0	

JUL	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
23	ACA	EP	23 41 27.4				37	257	.0	
23	ACD	EP	23 41 27.5				37	248	.1	
23	ACB	EP	23 41 27.6				39	255	.1	
23	ACC	EP	23 41 27.8				42	259	.1	
23	AND	IP C	23 41 28.0				47	271	-.1	
23	ANA	IP	23 41 30.0				68	277	.1	
23	AMA	EP	23 41 32.2	4.3	.1	2.76	92	108	-.1	
		IS	23 41 44.7						.2	
23	RAT	EP	23 41 32.4	7.1	.1	2.98	94	287	-.2	
.....										
24	1 29 52.11	51.38 N 179.19 E DEPTH = 25.2 KM							FREE DEPTH SOLUTION	
		RAT ISLANDS, ALEUTIAN ISLANDS								
24	AGE	IP C	1 29 56.3				3	334	-.0	
24	ASB	IP	1 29 56.5	7.3	.1	2.38	5	118	.1	
		ES	1 29 59.3						-.2	
24	ACD	IP	1 29 56.5				6	326	.1	
24	ASD	EP	1 29 56.6	8.3	.1	2.46	11	83	-.1	
24	ASC	IP	1 29 56.6				9	350	.0	
24	ACA	IP	1 29 56.7				12	337	-.1	
24	ACC	IP	1 29 57.1				15	319	.1	
24	AND	EP	1 29 58.0				26	321	-.1	
24	SSI	EP	1 30 3.1	2.3	.1	2.37	63	26	-.1	
		IS	1 30 11.4						.1	
.....										
24	2 32 8.38	51.51 N 179.76 W DEPTH = 71.8 KM							FREE DEPTH SOLUTION	
		DELAROF ISLANDS, ALEUTIAN ISLANDS								
24	AMA	IP C	2 32 20.8	6.7	.1	2.83	51	118	-.3	
		ES	2 32 31.0						.6	
24	ASD	IP	2 32 21.9	8.5	.1	2.97	63	259	-.3	
24	SSI	EP	2 32 21.9	6.3	.1	2.84	62	314	-.2	
24	ASB	IP	2 32 22.8	24.1	.1	3.44	73	257	-.0	
		IS	2 32 33.3						-.1	
24	ASC	IP	2 32 23.3				74	267	.1	
24	AND	EP	2 32 24.6				89	275	-.1	
24	ANA	EP	2 32 27.2				110	278	.2	
24	RAT	EP	2 32 31.3	2.2	.1	2.57	136	285	.3	
.....										
24	6 21 25.08	51.57 N 178.90 E DEPTH = 64.7 KM							FREE DEPTH SOLUTION	
		RAT ISLANDS, ALEUTIAN ISLANDS								
24	ANA	EP	6 21 34.6				18	292	-.4	
24	AND	EP	6 21 34.7				4	96	.1	
24	ACF	IP	6 21 34.8				8	124	.1	
24	ACC	IP	6 21 34.9				14	132	.1	
24	ACB	IP	6 21 35.1				18	131	.1	
24	ACA	IP	6 21 35.1				18	122	.1	
24	ACD	IP	6 21 35.1				23	133	-.1	
24	ASC	EP	6 21 35.2				22	122	.1	
24	ACE	IP	6 21 35.2				26	134	-.2	
24	ASB	IP C	6 21 35.6	11.7	.1	3.00	33	133	-.2	
		IS	6 21 43.5						-.1	
24	RAT	IP C	6 21 36.8	19.1	.1	3.25	47	304	-.0	
		IS	6 21 45.6						.3	
24	SSI	IP C	6 21 37.8				60	52	-.2	
24	AMA	EP	6 21 47.3				142	102	.1	

JUL 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG.	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
24	9 28	55.75	51.02 N 178.84 E	DEPTH = 50.0 KM				FIXED DEPTH SOLUTION		
RAT ISLANDS, ALEUTIAN ISLANDS										
24	ASB	EP	09 29 6.1	2.8	.1	2.36	47	37	-.2	
24	ACB	IP	09 29 6.5				52	19	-.3	
24	ACC	EP	09 29 6.6				54	15	-.4	
24	ASC	IP	09 29 7.0				54	25	-.0	
		IS	09 29 14.9						-.4	
24	ACA	EP	09 29 7.0				55	21	-.1	
24	AND	EP	09 29 7.5				61	7	-.3	
24	ANA	EP	09 29 9.3				69	350	.3	
24	SSI	IP	09 29 15.1				110	28	1.4	
24	11 3	52.52	51.05 N 179.14 E	DEPTH = 30.6 KM				FREE DEPTH SOLUTION		
RAT ISLANDS, ALEUTIAN ISLANDS										
24	ASB	IP D	11 03 59.9	6.1	.1	2.54	36	12	-.3	
		ES	11 04 6.0						.3	
24	ASC	EP	11 04 1.5				46	2	.0	
24	AND	EP	11 04 3.2				59	347	-.0	
24	SSI	EP	11 04 9.3	1.5	.1	2.25	99	18	.2	
		ES	11 04 20.8						-.3	
24	ASB	EP	11 57 7.9	1.9	.1	2.56				
		ES	11 57 26.9							
24	ASC	EP	11 57 8.5							
24	AND	IP	11 57 8.5							
		ES	11 57 26.9							
24	ANA	EP	11 57 8.7							
24	SSI	IP	11 57 16.5	4.4	.1					
		ES	11 57 41.2							
24	12 0	16.40	52.03 N 177.99 E	DEPTH = 138.2 KM				FREE DEPTH SOLUTION		
RAT ISLANDS, ALEUTIAN ISLANDS										
24	RAT	IP	12 00 35.5	32.3	.1	3.71	35	138	-.1	
		IS	12 00 49.5						-.1	
24	ANA	IP	12 00 37.1				64	134	.2	
24	AND	IP	12 00 38.1				84	128	-.0	
24	ASC	EP	12 00 39.5				103	128	.1	
24	SSI	EP	12 00 40.1				110	97	-.0	
24	ASB	EP	12 00 40.2	2.6	.1	2.71	114	130	-.2	
		ES	12 00 58.0						.0	
24	13 20	40.70	51.08 N 179.45 W	DEPTH = 31.1 KM				FREE DEPTH SOLUTION		
DELAOF ISLANDS, ALEUTIAN ISLANDS										
24	AMA	IP D	13 20 48.3				33	46	.2	
		IS	13 20 53.1						-.4	
24	ASB	IP	13 20 56.9	21.6	.1	3.40	96	290	.1	
		ES	13 21 8.3						-.2	
24	ASC	IP	13 20 58.3				105	294	.1	
24	SSI	IP	13 20 59.5				112	324	.3	
24	AND	EP	13 21 .6				123	296	-.2	
24	ANA	EP	13 21 3.5				145	296	-.2	
24	RAT	IP	13 21 7.4				173	298	.1	

JUL 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
24	14 33	59.48	51.72 N 179.36 W	DEPTH = 82.5 KM						FREE DEPTH SOLUTION
			DELAROF ISLANDS, ALEUTIAN ISLANDS							
24	AMA	EP C	14 34 13.2	3.8	.1	2.63	51	159	.0	
24	SSI	IP C	14 34 15.2	5.4	.1	2.83	75	286	.0	
		IS	14 34 26.6						-.0	
24	ASB	EP	14 34 17.9				104	248	-.2	
		ES	14 34 31.7						.0	
24	ASC	EP	14 34 18.4				106	255	.1	
24	20 6	5.43	52.05 N 179.76 E	DEPTH = 177.2 KM						FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
24	SSI	IP	20 06 29.0	14.1	.1	3.44	21	214	-.0	
24	AND	EP	20 06 30.9				77	226	-.0	
24	ASC	IP	20 06 31.0				77	212	.1	
24	ASB	IP	20 06 31.4	26.7	.1	3.75	84	205	.1	
		ES	20 06 50.0						-.2	
24	ANA	IP	20 06 31.7				89	239	.1	
24	RAT	IP	20 06 32.3	16.4	.1	3.56	102	255	-.1	
24	AMA	EP	20 06 33.1	22.5	.2	3.41	115	137	-.2	
		IS	20 06 53.8						.2	
24	AMA	IP	20 13 41.0	3.1	.1					
24	SSI	IP	20 13 47.5	2.9	.1	2.55				
		IS	20 13 59.4							
24	ASB	EP	20 13 52.6							
		ES	20 14 8.9							
24	ASC	EP	20 13 53.5							
24	20 36	18.86	51.07 N 179.14 E	DEPTH = 33.0 KM						FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
24	ASB	IP	20 36 26.4	14.1	.1	2.90	33	13	.0	
		IS	20 36 31.8						-.1	
24	ACE	EP	20 36 26.7				36	4	-.1	
24	ACD	EP	20 36 27.2				39	360	.0	
24	ACB	IP	20 36 27.7				43	355	.0	
24	ACC	IP	20 36 28.0				46	352	-.0	
24	ACA	IP	20 36 28.1				45	358	.2	
24	AND	IP	20 36 29.3				56	347	-.0	
24	ANA	IP	20 36 31.2				70	332	-.1	
24	SSI	IP	20 36 35.0	13.7	.1	3.20	96	19	-.1	
		IS	20 36 46.9						.0	
24	21 15	18.37	51.56 N 178.81 E	DEPTH = 71.8 KM						FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
24	AND	IP	21 15 28.8				10	88	-.1	
24	ANA	IP	21 15 29.0				13	306	.1	
24	ACF	IP	21 15 29.0				13	106	.0	
24	ACB	IP	21 15 29.3				22	119	.0	
24	ACC	IP	21 15 29.3				18	117	.2	
24	ACA	IP	21 15 29.4				23	112	.1	
24	ACD	IP	21 15 29.5				27	123	.0	
24	ACE	IP	21 15 29.5				31	125	-.2	
24	ASC	IP	21 15 29.6				27	114	.1	
24	ASB	EP	21 15 30.0	12.4	.1	3.07	38	126	-.1	
		IS	21 15 38.5						-.1	
24	RAT	IP	21 15 30.3	9.8	.1	2.98	42	309	-.1	
24	SSI	IP	21 15 32.3	53.2	.1	3.77	65	55	-.0	
		ES	21 15 42.5						-.0	

JUL 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
24	AMA	IP C	22 08 24.1	82.2	.1	3.36				LOCAL
		IS	22 08 26.4							
24	ASB	EP	22 08 41.7	3.3	.1	2.70				
		ES	22 08 56.7							
24	SSI	IP C	22 08 41.7							
24	ASC	EP	22 08 43.2							
24	AND	EP	22 08 45.6							
24	ANA	EP	22 08 48.4							
24	SMY	IP	22 31 22.0							SMY LOCAL
24	GMA	EP	22 35 22.0							
.....										
24	23 15	22.30	62.12 N 150.94 W	DEPTH = 64.0 KM						TELESEISMIC SOLUTION
			CENTRAL ALASKA							
.....										
25	ASB	EPG	00 49 .3	4.2	.1	2.45				
		ES	00 49 6.4							
25	ACB	EPG	00 49 2.1							
25	ACC	EPG	00 49 2.4							
25	RAT	EP	03 47 37.7	36.4	.4					QP.QS
		E(S)	03 50 28.0							
25	ANA	EP	03 47 40.7							QP.TELE
25	AND	EP	03 47 42.5							QP
.....										
25	7 4	13.03	51.30 N 179.58 W	DEPTH = .8 KM						FREE DEPTH SOLUTION
			DELAROF ISLANDS, ALEUTIAN ISLANDS							
25	AMA	IPGC	07 04 19.1	38.5	.1	3.21	33	91	.1	
		ES	07 04 23.3						-.1	
25	ASD	IPGD	07 04 26.7	7.4	.1	2.82	75	279	-.0	
25	ASB	EPG	07 04 27.6				82	276	-.1	
		ES	07 04 38.3						-.1	
25	SSI	EP	07 04 28.6	25.7	.1	3.42	88	320	-.1	
25	ASC	EP	07 04 29.0				89	283	.2	
25	AND	EP	07 04 31.4				106	287	.0	
25	ANA	E(P)	07 04 34.8				127	288	.2	
.....										
25	8 57	46.65	50.99 N 179.21 E	DEPTH = 25.0 KM						FIXED DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
25	ASB	IPGD	08 57 54.8	28.5	.1	3.23	42	3	.2	
		ES	08 58 .7						.3	
25	ASD	EPGD	08 57 55.1	23.5	.1	3.17	46	11	-.1	
		ES	08 58 1.1						-.4	
25	ACF	EP	08 57 57.8				62	346	.3	
25	AND	EPG	08 57 58.2				67	344	.0	
25	ANA	EP	08 58 .4				81	332	.1	
25	SSI	EQ	08 58 3.7	6.6	.1	2.91	104	14	-.1	
25	RAT	E(P)	08 58 4.2	3.7	.1	2.67	109	326	-.3	
.....										
25	9 32	3.02	51.08 N 179.17 E	DEPTH = 25.0 KM						FIXED DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
25	ASB	EPG	09 32 9.9	2.0	.1	2.00	32	9	.2	
		ES	09 32 14.6						.0	
25	ASD	EPG	09 32 10.2	.6	.1	1.49	37	18	-.1	
25	AND	E(P)	09 32 13.0				56	344	-.1	
.....										
25	AMA	EP	10 12 3.8	6.3	.1					
25	SSI	EP	10 12 17.6	3.2	.1					
25	ASD	EP	10 12 20.0	1.1	.1	2.34				QP

JUL 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
25	ASB	EP	10 12 20.9	1.1	.1	2.34				QP.QS
		E(S)	10 12 41.2							
25	14 14	23.40	5.94 S	129.79 E	DEPTH = 151.0 KM	MB = 5.7	TELESEISMIC SOLUTION			
			BANDA SEA							
25	RAT	EP	14 25 25.0				7876	30		TELE
25	AND	EP	14 25 26.1				7894	30		
25	ANA	EP	14 25 26.1				7882	30		
25	ASB	EP	14 25 26.3				7897	30		
25	ASD	EP	14 25 26.6				7904	30		
25	SSI	EP	14 25 29.0				7951	30		
25	AMA	EP	14 25 31.0				7985	31		
25	ADK	EP	14 25 40.2				8161	31		
25	SMY	IP C	15 34 19.7							
25	RAT	EP	15 34 51.7	178.0	.4					
		E(S)	15 35 30.0							
		I	15 35 48.7							
25	ANA	EP	15 34 54.9							
25	AND	EP	15 34 58.0							
25	ASB	EP	15 35 .5	5.4	.2					QP
25	ASD	EP	15 35 1.4	8.8	.2					QP
25	SSI	EP	15 35 2.1	36.7	.4					
25	NIK	EP	15 36 40.0							
25	GMA	EP	15 38 19.5							
25	15 37	41.53	51.30 N	178.83 E	DEPTH = 44.1 KM		FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
25	ASB	IP	15 37 49.4	49.5	.1	3.51	30	76	-1	
		ES	15 37 55.4						-2	
25	AND	IP D	15 37 49.6				31	16	.1	
		I(S)	15 37 56.0						.3	
25	ASD	IP C	15 37 50.1				37	74	-0	
		ES	15 37 56.5						-3	
25	ANA	IP D	15 37 50.5				38	342	.2	
25	RAT	IP D	15 37 53.2	91.4	.1	3.93	66	328	-2	
		ES	15 38 2.3						-1	
25	SSI	IP C	15 37 55.6	157.8	.1	4.24	85	38	-1	
		ES	15 38 6.5						.1	
25	AMA	EP	15 38 3.2	6.4	.1	3.03	144	90	.2	
25	15 41	21.30	52.15 N	173.09 E	DEPTH = 28.0 KM	MB = 5.8	MS = 6.3	TELESEISMIC SOLUTION		
			RAT ISLANDS, ALEUTIAN ISLANDS							
25	SMY	IP C	15 41 38.6				94	46	1.6	
25	RAT	EP	15 42 11.7				361	94	.4	TELE.WHITE OUT
25	ANA	EP	15 42 14.6				387	96	.1	
25	AND	EP	15 42 17.1				408	97	-0	
25	ASB	EP	15 42 20.3	882.5	.4		433	99	.1	
25	ASD	EPN	15 42 20.9				438	99	.0	WHITE OUT
		IP	15 42 30.0							
25	SSI	EP	15 42 21.7				446	91	-1	WHITE OUT
25	AMA	EP	15 42 37.5				546	97	3.3	WHITE OUT
25	ADK	EP	15 42 54.2				700	88	1.0	FELT I ON SMY
		EL	15 44 8.6							
25	NIK	EP	15 43 59.5				1222	79	1.9	
25	GMA	EP	15 45 38.3				2080	35	-5.2	
25	SMY	EP	15 50 56.1							
25	RAT	EP	15 51 52.6	187.6	.4					
		E(S)	15 52 23.3							

JUL 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
25	ANA	EPN	15 51 55.5							
		EP	15 52 1.5							
25	AND	EP	15 51 58.3							
25	ASB	EP	15 52 1.2	32.9	.3					
25	ASD	EP	15 52 1.9	31.4	.3					
25	SSI	EP	15 52 3.2							
25	NIK	EP	15 53 44.0							
25	GMA	EP	15 55 22.7							
.....										
25	15 56 4.40	51.97 N 173.21 E DEPTH = 22.0 KM MB = 4.7						TELESEISMIC SOLUTION		
RAT ISLANDS, ALEUTIAN ISLANDS										
25	SMY	EP	15 56 22.7				104	35	1.2	
25	RAT	EP	15 56 54.7	158.7	.3		352	91	.9	
		E(S)	15 57 31.8						1.9	
25	ANA	EP	15 56 57.5				377	94	.6	
25	AND	EP	15 57 1.0				398	94	1.5	
25	ASB	EPN	15 57 3.6	40.9	.3		422	97	1.1	
		EP	15 57 10.7							
25	ASD	EP	15 57 4.5	71.1	.4		428	96	1.3	
25	SSI	EP	15 57 5.6	42.7	.3		437	89	1.2	
25	NIK	EP	15 58 42.0				1218	78	1.2	
.....										
25	SMY	EP	16 09 57.9							
25	SMY	EP	16 46 47.5							
25	SMY	EP	17 03 26.9							
.....										
25	17 31 3.08	51.67 N 177.83 E DEPTH = 70.1 KM						FREE DEPTH SOLUTION		
RAT ISLANDS, ALEUTIAN ISLANDS										
25	RAT	EPG	17 31 14.6	2.5	.1	2.38	37	67	.0	
		ES	17 31 22.7						-.3	
25	ANA	IPG	17 31 16.4				57	95	.2	
		ES	17 31 25.9						.2	
25	AND	EPG	17 31 18.1				78	98	-.1	
25	ASB	EPG	17 31 20.8				104	109	-.1	
25	ASD	EPG	17 31 21.5	.7	.1	2.01	109	106	-.0	
25	SSI	EP	17 31 23.2	1.5	.1	2.37	123	78	.0	
.....										
25	18 13 26.90	51.96 N 172.86 E DEPTH = 33.0 KM MB = 4.6						TELESEISMIC SOLUTION		
RAT ISLANDS, ALEUTIAN ISLANDS										
25	SMY	IP C	18 13 45.0				121	44	-1.7	
25	RAT	EPN	18 14 16.8				376	90	-1.6	
		EP	18 14 19.9							
		IP	18 14 22.1	268.9	.4					
25	ANA	EP	18 14 20.3				401	93	-1.1	
25	AND	EP	18 14 24.1				422	94	.1	
25	ASB	EPN	18 14 26.2	56.4	.4		446	96	-.8	
		EP	18 14 32.0							
25	ASD	EP	18 14 26.9	46.1	.3		452	95	-.8	
25	SSI	EP	18 14 27.3	37.1	.3		462	88	-1.6	
25	ANA	E(P)	18 14 46.5	41.7	.3		560	94	5.6	QP. POOR TAMP
25	NIK	EP	18 16 8.5				1242	78	3.2	
25	GMA	EP	18 17 46.3				2107	34	-5.8	

JUL 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
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25	18 22	49.50	51.80 N 172.75 E	DEPTH = 3.0 KM		MB = 4.3	TELESEISMIC SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
25	SMY	EP	18 23 13.4				138	41	.8	
25	RAT	EP	18 23 45.5	118.7	.4		384	88	.5	
		E(S)	18 24 24.1						-1.4	
25	ANA	EP	18 23 48.7				408	90	.8	
25	AND	EP	18 23 50.7				429	91	.2	
25	ASB	EP	18 23 54.1	19.0	.3		452	94	.7	
25	ASD	EP	18 23 55.2	20.7	.3		458	93	1.1	
25	SSI	EP	18 23 56.3	54.8	.3		470	86	.7	
25	GMA	EP	18 27 14.2				2126	34	-5.8	

25	18 26	37.50	52.41 N 173.52 W	DEPTH = 83.0 KM		MB = 4.8	TELESEISMIC SOLUTION			
ANDREANOF ISLANDS, ALEUTIAN IS.										
25	ADK	EP	18 27 11.2				225	256		
		ES	18 27 36.1							
25	NIK	EP	18 27 22.2				322	77		
25	AMA	IPN	18 27 31.4				405	254		
		EP	18 27 39.0	499.9	.5					
25	SSI	E(P)	18 27 41.3	134.1	.5		476	266		VQP
25	ASD	EP	18 27 44.3	84.8	.3		505	260		REGIONAL
		E(S)	18 28 38.7							
25	ASB	EP	18 27 44.9	89.3	.3		512	260		QP
		E(S)	18 28 39.5							
25	AND	EP	18 27 48.6				526	263		
25	ANA	EP	18 27 50.5				544	264		
25	GMA	EP	18 30 9.7				1609	21		

25	SMY	EP	18 58 7.5							
25	SMY	EP	19 23 2.3							

25	19 48	45.46	51.11 N 178.26 E	DEPTH = 29.2 KM		FREE DEPTH SOLUTION				
RAT ISLANDS, ALEUTIAN ISLANDS										
25	ANA	EPG	19 48 57.0				64	26	.2	
25	ACC	EP	19 48 57.4				68	52	-.1	
25	AND	EPG	19 48 57.5				70	44	-.1	
25	ACB	EP	19 48 57.8				70	56	.2	
25	ACD	EP	19 48 57.9				70	60	.2	
25	ACE	EPG	19 48 57.9				71	63	.0	
25	ACA	EP	19 48 58.1				73	55	.1	
25	ASB	EPG	19 48 58.2	1.2	.1	2.05	74	68	-.1	
		ES	19 49 7.5						-.1	
25	ASC	EPG	19 48 58.3				74	58	.0	
25	RAT	EPG	19 48 58.5	.5	.1	1.68	77	4	-.2	
25	ASD	EPG	19 48 59.2				81	67	-.2	VERY EMERGENT
25	SSI	EP	19 49 6.1	2.5	.1	2.56	127	46	.1	

25	20 46	9.14	51.27 N 179.48 E	DEPTH = 49.5 KM		FREE DEPTH SOLUTION				
RAT ISLANDS, ALEUTIAN ISLANDS										
25	ASD	IPGJ	20 46 17.2				17	325	-.0	LARGE LOCAL
25	ASB	IPGJ	20 46 17.4	488.6	.1	4.50	19	303	.1	QTAMP
		ES	20 46 22.8						-.5	
25	ACE	IPGJ	20 46 17.8				26	305	.0	
25	ACD	IPGJ	20 46 18.1				30	307	.1	
25	ASC	IPGJ	20 46 18.2				31	315	.1	
25	ACA	IPGJ	20 46 18.5				34	314	.1	
25	ACB	IPGJ	20 46 18.6				35	309	.2	

JUL 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
. 25	ACC	EPG	20 46 18.9				39	309	.1	
. 25	ACF	IPGC	20 46 19.5				44	311	.2	
. 25	AND	IPGD	20 46 19.7				49	312	-.1	
. 25	ANA	IPGD	20 46 22.0				69	305	-.1	
. 25	SSI	IPGD	20 46 22.2				70	6	.0	
. 25	AMA	IPGD	20 46 25.5				98	88	-.1	
. 25	RAT	IPGD	20 46 25.5				99	307	-.2	
. 25	ADK	EP	20 46 49.1				274	74	1.9	
.		ES	20 47 19.4						4.4	

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25 20 49 53.40 52.05 N 173.02 E DEPTH = 27.0 KM MB = 4.8 TELESEISMIC SOLUTION										
RAT ISLANDS, ALEUTIAN ISLANDS										
. 25	SMY	EP	20 50 10.8				105	44	.0	
. 25	RAT	EP	20 50 41.3	134.7	.5		365	92	-2.7	
. 25	ANA	EPN	20 50 44.6				391	95	-2.6	
.		IP	20 50 51.6							
. 25	AND	EP	20 50 47.0				412	95	-2.8	
. 25	ASC	EP	20 50 49.4				428	96	-2.4	
. 25	ASB	EP	20 50 49.8	64.5	.3		436	98	-3.0	
.		E(S)	20 51 31.6						-4.5	
. 25	ASD	EP	20 50 50.8	149.5	.4		442	97	-2.7	
. 25	SSI	EP	20 50 52.1	391.2	.5		450	90	-2.5	
. 25	AMA	EP	20 51 5.4	245.4	.5		549	96	-1.4	
. 25	ADK	EP	20 51 25.5				706	87	-.6	
. 25	NIK	EP	20 52 31.6				1229	78	.9	
. 25	GMA	EP	20 54 11.7				2092	34	-5.5	

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25 23 20 59.50 51.97 N 172.95 E DEPTH = 25.0 KM MB = 4.6 TELESEISMIC SOLUTION										
RAT ISLANDS, ALEUTIAN ISLANDS										
. 25	SMY	EP	23 21 18.5				115	43	-.2	
. 25	RAT	EPN	23 21 50.9				370	91	-.1	
.		IP	23 21 57.6	110.0	.4					
. 25	ANA	EP	23 21 53.5				395	93	-.5	
. 25	AND	EP	23 21 56.2				416	94	-.4	
. 25	ASC	EP	23 21 58.9				433	95	.3	QP
. 25	ASB	EP	23 21 59.6	12.4	.3		440	96	.0	
.		E	23 22 57.4							
. 25	ASD	EP	23 22 1.1	17.9	.3		446	96	.8	QP
. 25	SSI	EP	23 22 2.1	34.2	.4		456	88	.6	POOR TAMP
. 25	NIK	E(P)	23 23 40.0				1236	78	2.2	
. 25	GMA	EP	23 25 19.3				2102	34	-5.5	

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25 23 47 16.00 51.96 N 173.19 E DEPTH = 36.0 KM MB = 4.7 TELESEISMIC SOLUTION										
RAT ISLANDS, ALEUTIAN ISLANDS										
. 25	RAT	EP	23 48 4.8	537.1	.4		353	91	.4	
. 25	ANA	EP	23 48 8.1				378	94	.6	
. 25	AND	EP	23 48 10.4				399	94	.4	
. 25	ASC	E(P)	23 48 13.0				415	95	.9	VQP
. 25	ASB	EP	23 48 13.4	128.1	.4		423	97	.4	
.		E	23 49 15.2							
. 25	ASD	EP	23 48 14.5				429	96	.8	
. 25	SSI	EP	23 48 15.6	372.6	.5		439	89	.7	

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JUL 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
26	1	3 48.17	51.28 N 178.18 E	DEPTH = 25.0 KM			FIXED DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
26	ANA	IPGC	01 03 57.9				51	41	.5	
26	RAT	IP C	01 03 58.4	14.5	.1	3.04	59	10	-.1	
		ES	01 04 5.7						-.4	
26	AND	IPGC	01 03 59.1				62	59	.1	
26	ACF	EPG	01 03 59.3				62	64	.2	
26	ACC	EPG	01 03 59.4				64	69	.1	
26	ACB	EPG	01 03 59.7				66	72	.0	
26	ACD	EP	01 03 59.9				68	76	-.1	
26	ACA	EPG	01 04 0.0				69	71	-.0	
26	ACE	EPG	01 04 0.0				70	79	-.2	
26	ASC	EPG	01 04 .5				71	73	.1	
26	ASB	IPG	01 04 .6	7.5	.1	2.84	74	83	-.3	
26	ASD	IPG	01 04 1.5	4.8	.1	2.67	81	81	-.4	
		ES	01 04 9.7						-2.2	
26	SSI	IP C	01 04 7.6	59.8	.1	3.91	119	54	.1	
		ES	01 04 21.4						-.1	
26	1	10 22.16	51.28 N 179.56 W	DEPTH = 62.2 KM			FREE DEPTH SOLUTION			
			DELAROF ISLANDS, ALEUTIAN ISLANDS							
26	AMA	IP D	01 10 30.6	7.0	.1	2.76	31	88	.1	
26	ASB	EP	01 10 33.5				84	277	-1.9	
		ES	01 10 46.6						.1	
26	ASD	EP	01 10 34.8	1.7	.1	2.28	78	280	.1	
		ES	01 10 45.5						.2	
26	SSI	IP	01 10 35.8	9.5	.1	3.07	90	319	-.3	
26	ASC	EP	01 10 36.7				91	283	.5	
26	AND	EP	01 10 38.4				108	287	.2	
26	ANA	EP	01 10 41.2				130	288	.5	
26	1	23 21.30	4.94 S 153.17 E	DEPTH = 48.0 KM			MB = 6.3		MS = 7.9 TELESEISMIC SOLUTION	
			NEW IRELAND REGION							
26	ASB	EP	01 33 27.9	228.6	.4		6712	18		TELE
26	ASD	EP	01 33 28.3				6719	19		
26	RAT	EP	01 33 28.7				6723	18		QTAMP.
26	ANA	EP	01 33 29.0				6718	18		
26	AND	EP	01 33 29.2				6722	18		
26	ASC	EP	01 33 29.2				6719	18		
26	SSI	EP	01 33 31.1				6775	18		CLIPPED
26	AMA	EP	01 33 31.5				6765	20		WHITE OUT
26	ADK	EP	01 33 38.0				6912	21		7.8MS
		ER	01 53 16.0							
26	1	48 33.90	39.90 N 77.17 E	DEPTH = 33.0 KM			MB = 6.0		TELESEISMIC SOLUTION	
			SOUTHERN SINKIANG PROV., CHINA							
26	ANA	EP	01 59 20.4				7357	42		TELE
26	AND	EP	01 59 21.5				7378	42		
26	RAT	EP	01 59 21.5				7328	42		QP
26	SSI	EP	01 59 22.6				7393	41		
26	ASB	EP	01 59 23.1				7408	42		
26	ASD	EP	01 59 23.3				7411	42		
26	ADK	EP	02 00 2.5				7601	40		

JUL 1971	STA	PHASE	TIME (GHT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
26	1 53 45.10		4.66 S 153.26 E	DEPTH = 33.0 KM MB = 5.6		TELESEISMIC SOLUTION				
NEW IRELAND REGION										
26	ASB	EP	02 03 51.9				6680	18		TELE
26	ASD	EP	02 03 52.2				6686	19		
26	ASC	EP	02 03 52.6				6687	18		
26	AND	EP	02 03 53.6				6689	18		
26	ANA	EP	02 03 55.7				6686	18		
26	AMA	EP	02 03 55.7				6733	20		
26	SSI	EP	02 03 55.7				6743	18		
26	RAT	EP	02 03 56.3				6691	18		
26	ADK	EP	02 04 2.5				6880	21		
.....										
26	ADK	EP	02 09 32.6							
26	ADK	EP	02 13 5.9							
.....										
26	2 24 57.00		5.17 S 152.22 E	DEPTH = 33.0 KM MB = 6.4		TELESEISMIC SOLUTION				
NEW BRITAIN REGION										
26	ASB	EP	02 35 8.8	18.4	.4		6770	19		TELE
26	ANA	EP	02 35 8.9				6775	19		
26	ASD	EP	02 35 9.1	17.4	.4		6777	19		
26	AND	EP	02 35 9.2				6779	19		
26	RAT	EP	02 35 9.2	10.6	.3		6780	18		
26	AMA	EP	02 35 11.3	22.5	.4		6824	20		
26	SSI	EP	02 35 11.4	58.9	.4		6833	19		
26	ADK	EP	02 35 20.9				6974	21		
.....										
26	SMY	EP	03 47 29.7							
26	RAT	EP	03 48 3.1	66.9	.3					
		E(S)	03 48 41.6							
26	ANA	EP	03 48 6.3							QP
26	AND	EP	03 48 8.1							QP
26	ASC	EP	03 48 11.5							QP
26	ASB	EP	03 48 12.5	6.3	.2					QP
26	SSI	EP	03 48 13.5	13.4	.3					
26	ASD	EP	03 48 13.8	14.1	.3					QP
		E(S)	03 49 10.7							
.....										
26	4 10 14.44		52.30 N 179.74 W	DEPTH = 228.3 KM		FREE DEPTH SOLUTION				
DELAROF ISLANDS, ALEUTIAN ISLANDS										
26	ASD	EP	04 10 47.8	4.6	.1	3.10	120	212	-.2	
26	AND	EP	04 10 48.1				122	228	.0	
26	ASC	EP	04 10 48.2				120	219	.2	
26	ASB	EP	04 10 48.3	4.3	.1	3.07	126	214	-.0	
		ES	04 11 13.1						-.0	
26	ANA	EP	04 10 48.9				133	236	.1	
26	RAT	EP	04 10 49.4	2.0	.1	2.75	144	248	-.1	
.....										
26	ADK	EP	04 29 38.1							
.....										
26	5 43 9.98		51.45 N 179.94 E	DEPTH = 65.9 KM		FREE DEPTH SOLUTION				
RAT ISLANDS, ALEUTIAN ISLANDS										
26	ASD	EPG	05 43 21.2	1.7	.1	2.18	42	262	-.2	
		ES	05 43 29.8						.1	
26	ASB	EPG	05 43 21.9	.9	.1	1.93	49	259	-.1	
26	ACE	EPG	05 43 22.2				53	265	-.2	
26	ASC	EPG	05 43 22.3				54	272	-.1	
26	SSI	EPG	05 43 22.6	1.5	.1	2.17	55	334	.1	

JUL 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.		ES	05 43 31.6						-0.1	
. 26	ACA	EPG	05 43 22.7				57	274	.0	
. 26	ACB	EPG	05 43 23.1				59	272	.2	
. 26	ACD	EPG	05 43 23.1				56	268	.5	
. 26	ACC	EPG	05 43 23.2				62	274	.0	
. 26	AND	EPG	05 43 23.5				69	281	-0.4	
. 26	ANA	EPG	05 43 26.2				91	283	.0	QP
.....										
26	SSI	IPG	05 49 54.6	9.6	.1	2.69				
		IS	05 49 59.1							
26	ASD	EPG	05 49 57.9	.6	.1	1.66				
		ES	05 50 5.5							
26	ASC	EPG	05 49 58.9							QP
26	ASB	EPG	05 49 59.0	.8	.1	1.85				
		IS	05 50 7.3							
26	ACE	EPG	05 49 59.3							
26	ACB	EPG	05 49 59.6							
26	AND	EP	05 50 .3							
26	RAT	EP	05 50 6.7	1.0	.1					
26	AMA	EP	06 39 12.5	27.4	.5					TELE
26	ASB	IP C	06 39 13.1	26.1	.4					
26	ASD	IP C	06 39 13.2	25.2	.4					
26	ASC	EP	06 39 14.0							
26	AND	EP	06 39 14.3							
26	ANA	EP	06 39 14.8							
26	RAT	EP	06 39 15.7	23.7	.4					
26	ADK	EP J	06 39 15.8							
26	SSI	IP C	06 39 16.3	46.1	.4					
26	ASB	EP	06 43 8.0	8.7	.4					
26	ASD	EP	06 43 8.1	9.7	.4					
26	ASC	EP	06 43 8.9							
26	AND	EP	06 43 9.2							
26	ADK	EP	06 43 10.7							
26	RAT	EP	06 43 10.8	9.4	.4					
26	SSI	EP	06 43 11.2	11.2	.3					
26	RAT	EP	06 53 31.6	5.5	.1					
		E(S)	06 53 59.9							
26	ANA	EP	06 53 34.8							QP
26	AND	EP	06 53 36.0							QP
26	SSI	EP	06 53 42.2	2.8	.1					
.....										
. 26	6 53 48.70	51.20 N 178.37 E DEPTH = 29.0 KM							FREE DEPTH SOLUTION	
.		RAT ISLANDS, ALEUTIAN ISLANDS								
.	26	ANA	EPG	06 53 58.3			51	23	.1	
. 26	AND	EPG	06 53 58.9				57	45	-0.1	
. 26	ASC	EPG	06 53 59.8				62	62	.0	
.		E(S)	06 54 7.9						.0	
. 26	ASB	E(P)	06 54 0.0	3.1	.1	2.41	63	74	.0	
. 26	ASD	E(P)	06 54 1.0	1.0	.1	1.94	71	73	-0.0	
. 26	SSI	E(P)	06 54 7.4	5.2	.1	2.84	114	47	.0	
.....										
. 26	6 59 28.30	5.49 S 152.11 E DEPTH = 33.0 KM MB = 5.7 MS = 5.9							TELESEISMIC SOLUTION	
.		NEW BRITAIN REGION								
. 26	ADK	EP	07 09 54.4				7012	21		
.....										
26	AMA	EPG	08 24 2.6	15.0	.2					
26	ASD	EP	08 24 18.8	.3	.1	1.67				QP
26	ASB	EP	08 24 19.8	.5	.1	1.94				QP
		ES	08 24 37.2							

JUL 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
26	ASC	EP	08 24 20.8							QP
26	SMY	EP	09 03 42.9							
26	RAT	EPN	09 04 16.0							
		EP	09 04 20.2	68.9	.4					
		E(S)	09 04 54.7							
26	ANA	EP	09 04 21.0							
26	AMA	IP	10 26 33.9	3.9	.1					
26	ASD	EP	10 26 48.6	.6	.1	1.93				
26	ASB	EP	10 26 49.6	1.0	.1	2.20				
		ES	10 27 5.4							
26	ASC	EP	10 26 50.6							
26	10 40 41.63		51.46 N 178.80 E				DEPTH = 41.3 KM			FREE DEPTH SOLUTION
							RAT ISLANDS, ALEUTIAN ISLANDS			
26	AND	IPGD	10 40 48.9				15 44	.2		LOCAL
26	ACF	EPG	10 40 49.0				15 62	.3		
26	ACC	IPGC	10 40 49.1				17 82	.3		
26	ACB	IPGC	10 40 49.2				20 90	.2		
26	ANA	IPGD	10 40 49.3				21 333	.3		
26	ACD	IPGC	10 40 49.3				24 99	.0		
26	ACA	IPG	10 40 49.4				22 84	.3		
26	ACE	IPGC	10 40 49.4				27 105	-.1		
26	ASC	IPGC	10 40 49.6				25 90	.2		
26	ASR	IPGD	10 40 49.8	62.0	.1	3.60	33 110	-.3		
		ES	10 40 55.6					-.7		
26	ASD	IPGD	10 40 50.4	55.7	.1	3.58	39 102	-.3		
		ES	10 40 56.9					-.3		
26	RAT	IPGC	10 40 51.6	72.5	.1	3.75	50 319	-.3		
		ES	10 40 58.8					-.6		
26	SSI	IPGD	10 40 54.9				73 48	-.0		WHITE OUT
		ES	10 41 4.5					-.1		
26	AMA	EP	10 41 4.0	123.0	.2	4.02	147 97	-.0		
26	ASB	EP	12 02 25.9	5.1	.1	2.95				NO S VISIBLE
26	ANA	EP	12 02 26.4							
26	AND	EP	12 02 26.6							
26	ASD	EP	12 02 26.7	3.9	.1	2.85				
		ES	12 02 44.7							
26	RAT	EP	12 02 27.5	4.2	.1					
26	SSI	EP	12 02 34.7	17.8	.1					
26	12 30 18.13		51.40 N 179.50 E				DEPTH = 24.2 KM			FREE DEPTH SOLUTION
							RAT ISLANDS, ALEUTIAN ISLANDS			
26	ASD	EPG	12 30 22.5	.1	.1	.68	11 262	-.0		POOR TAMP
26	ASB	EPG	12 30 23.2				18 255	.1		VERY LOCAL
		ES	12 30 26.8					-.0		
26	ASC	EPG	12 30 23.9				24 286	.1		VERY SMALL
26	ACD	EPG	12 30 23.9				25 276	-.0		QP
26	ACB	EPG	12 30 24.3				29 283	-.1		QP
26	13 10 4.55		52.25 N 179.44 W				DEPTH = 265.5 KM			FREE DEPTH SOLUTION
							DELAROF ISLANDS, ALEUTIAN ISLANDS			
26	SSI	EP	13 10 40.3	.5	.1	2.16	78 239	.0		POSS REGIONAL
26	ASD	EP	13 10 42.5	1.1	.1	2.54	127 222	-.1		
26	ASC	EP	13 10 42.8				130 228	.1		
26	AND	EP	13 10 42.9				134 236	-.1		
26	ASB	EP	13 10 43.0	1.4	.1	2.64	134 223	.0		NO S VISIBLE
26	ANA	EP	13 10 43.8				148 243	.0		
26	RAT	EP	13 10 44.6	.4	.1	2.11	161 253	-.0		

JUL 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
26	AND	EPG	14 21 35.0							V.SM.LOCAL
		ES	14 21 37.9							
26	ANA	EPG	14 21 35.3							
26	ACB	EPG	14 21 36.5							
26	ACD	EPG	14 21 37.1							
26	ACE	E(P)	14 21 37.5							

26 14 39 45.47 51.24 N 178.33 E DEPTH = 19.5 KM FREE DEPTH SOLUTION
RAT ISLANDS, ALEUTIAN ISLANDS

26	ANA	EP	14 39 54.6				49	28	.4	VERY SM. LOCAL
26	AND	EP	14 39 55.4				56	50	.1	
26	RAT	EP	14 39 55.7	.3	.1	1.37	62	360	-.5	
26	ACD	EP	14 39 55.9				60	69	.1	
26	ACE	EP	14 39 56.0				61	73	-.0	
26	ASB	EP	14 39 56.5				65	78	-.1	
		ES	14 40 4.2						-.5	
26	SSI	EP	14 40 3.9	.7	.1	1.96	113	50	.0	

26 15 23 9.05 51.45 N 179.62 E DEPTH = 13.8 KM FREE DEPTH SOLUTION
RAT ISLANDS, ALEUTIAN ISLANDS

26	ASD	EPG	15 23 13.5				21	252	.1	
26	ASB	EPG	15 23 14.6	1.0	.1	1.60	28	250	.1	
		ES	15 23 18.4						-.1	
26	ASC	EPG	15 23 15.0				32	273	-.1	
26	ACE	EPG	15 23 15.0				32	260	-.1	
26	ACD	EPG	15 23 15.4				34	266	-.0	
26	ACB	E(P)	15 23 15.9				37	273	.0	
26	SSI	E(P)	15 23 17.7	.6	.1	1.57	49	357	-.1	
26	RAT	E(P)	15 23 25.2	.9	.1	2.01	98	294	.2	

26 15 35 37.80 5.63 S 151.41 E DEPTH = 33.0 KM MB = 5.4 MS = 6.2 TELESEISMIC SOLUTION
NEW BRITAIN REGION

26	ADK	EP	15 46 8.2				7053	21		
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26 16 6 19.78 52.16 N 179.84 W DEPTH = 181.0 KM FREE DEPTH SOLUTION
DELAROF ISLANDS, ALEUTIAN ISLANDS

26	SSI	EP	16 06 44.5	1.4	.1	2.45	49	233	-.0	
26	ASD	EP	16 06 47.1	1.4	.1	2.49	103	214	-.1	
		ES	16 07 7.3						.1	
26	ASB	EP	16 06 47.5	3.3	.1	2.87	109	216	-.1	
		ES	16 07 7.8						-.1	
26	ASC	EP	16 06 47.5				104	222	.2	
26	AND	EP	16 06 47.5				107	232	.1	
26	AMA	EP	16 06 47.6	3.2	.1	2.86	109	152	-.0	
26	ANA	EP	16 06 48.2				119	241	-.1	

26 16 17 35.60 63.28 N 149.73 W DEPTH = 33.0 KM MB = 4.1 TELESEISMIC SOLUTION
CENTRAL ALASKA

JUL 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
26	16 59 57.05		51.86 N 176.82 E	DEPTH = 75.0 KM			FIXED DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
26	RAT	EP	17 00 14.7	5.3	.1	2.88	104	93	-.5	
		ES	17 00 27.4						-1.1	
26	ANA	IP	17 00 18.1				129	101	.0	
		ES	17 00 34.2						.8	
26	AND	EP	17 00 20.7				151	102	.2	
		ES	17 00 37.7						.0	
26	ASC	EP	17 00 22.5				168	104	-.1	
26	ASD	EP	17 00 24.0	.8	.1	2.25	182	106	-.2	
26	SSI	EP	17 00 26.0	1.0	.1	2.34	190	88	.7	
.....										
26	AMA	EP	17 11 17.9	2.4	.1	2.31				
		ES	17 11 25.8							
26	ASD	EP	17 11 25.3	.6	.1	1.88				
		ES	17 11 38.5							
26	ASB	EP	17 11 25.9	1.2	.1	2.24				
		ES	17 11 40.1							
26	ASC	EP	17 11 26.7							
26	SMY	EP	17 11 21.5							
26	RAT	EPN	17 11 54.8							
		EP	17 11 57.9	39.0	.3					
		ES	17 12 33.5							
26	ANA	EP	17 11 58.1							
26	AND	EP	17 12 1.3							
26	ASB	EPN	17 12 3.5							
		EP	17 12 12.9	9.4	.3					
26	SSI	EP	17 12 5.2							
.....										
26	17 19 22.19		51.29 N 178.92 E	DEPTH = 34.0 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
26	ACE	EPG	17 19 28.8				22	54	.1	
26	ASB	IPG	17 19 28.9	4.6	.1	2.37	24	70	-.0	
		ES	17 19 33.5						-.4	
26	ACD	EPG	17 19 28.9				22	43	.2	
26	ACB	EPG	17 19 29.0				23	31	.2	
26	ACC	EPG	17 19 29.1				24	21	.2	
26	ASC	EPG	17 19 29.3				26	41	.2	
26	ACF	EPG	17 19 29.5				27	11	.3	
26	ASD	IPG	17 19 29.6	2.2	.1	2.10	32	68	-.1	
		ES	17 19 34.5						-.6	
26	AND	IPG	17 19 29.6				31	4	-.0	
26	ANA	EPG	17 19 30.8				42	335	-.1	
		ES	17 19 37.3						.1	
26	RAT	EPG	17 19 34.2	.9	.1	1.91	70	325	-.5	
26	SSI	IPG	17 19 36.3	4.4	.1	2.65	82	34	-.0	
		ES	17 19 46.7						.1	
.....										
26	17 15 45.20		5.72 S 152.32 E	DEPTH = 33.0 KM			MB = 5.2 MS = 5.3 TELESEISMIC SOLUTION			
NEW BRITAIN REGION										
26	ADK	EP	17 26 11.1				7027	21		
.....										
26	17 34 10.60		51.62 N 179.44 E	DEPTH = 73.2 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
26	ASD	IPG	17 34 21.6	9.9	.1	2.96	26	195	-.2	
26	ASC	IPG	17 34 21.7				26	228	-.1	
		IS	17 34 30.0						.0	

JUL 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
26	ASB	EPG	17 34 21.9	5.2	.1	2.69	32	205	-.2	
		ES	17 34 30.4						-.1	
26	ACE	IPG	17 34 21.9				30	217	-.1	
26	ACA	EPG	17 34 22.0				27	235	.1	
26	ACD	IPG	17 34 22.0				30	225	-.0	
26	ACB	EPG	17 34 22.1				30	234	.1	
26	SSI	IPG	17 34 22.1	9.5	.1	2.95	32	19	-.0	
		ES	17 34 30.5						-.0	
26	ACC	EPG	17 34 22.2				31	241	.1	
26	AND	EPG	17 34 22.3				34	260	.1	
26	ACF	EPG	17 34 22.8				32	252	.6	
26	ANA	IPG	17 34 23.7				54	271	.0	
26	RAT	IPG	17 34 25.7	3.3	.1	2.61	79	285	-.3	
26	AMA	EPG	17 34 29.1	1.5	.1	2.34	107	109	.1	

26	RAT	EP	18 25 15.3	1.2	.1					
26	ANA	EP	18 25 17.0							
		E(S)	18 25 41.1							

26	SMY	EP	18 56 23.5							
26	RAT	EP	18 56 56.2	132.1	.4					TELE
		E(S)	18 57 35.3							
26	ANA	EP	18 56 58.9							
26	AND	EP	18 57 1.4							
26	ASB	EP	18 57 5.5	18.0	.3					
26	ASD	EP	18 57 6.6	38.1	.4					

26	19 17 55.39	50.64 N 177.22 E	DEPTH = 25.0 KM	FIXED DEPTH SOLUTION						
RAT ISLANDS, ALEUTIAN ISLANDS										
26	ANA	EP	19 18 19.2				149	42	-.1	QS
		E(S)	19 18 37.0						.3	
26	AND	EP	19 18 20.4				159	49	-.4	QP
26	ASC	EP	19 18 21.6				164	55	.2	QP
26	ASD	EP	19 18 22.5	.7	.1	2.12	171	60	.3	QS
		E(S)	19 18 41.4						-.4	

26	19 38 17.97	51.27 N 178.12 E	DEPTH = 30.3 KM	FREE DEPTH SOLUTION						
RAT ISLANDS, ALEUTIAN ISLANDS										
26	RAT	IP	19 38 28.5	3.7	.1	2.47	60	14	-.4	
		ES	19 38 37.0						.2	
26	ANA	EP	19 38 28.6				55	44	.5	
26	AND	EP	19 38 29.5				66	61	-.2	
26	ASB	EP	19 38 31.0	1.0	.1	1.99	79	83	-.6	QS
		ES	19 38 41.2						-.3	
26	ASD	EP	19 38 33.5	.6	.1	1.77	86	81	.9	
26	SSI	IP	19 38 38.0	4.1	.1	2.77	123	55	-.1	

26	AMA	IP	20 31 10.1	14.3	.1					
26	SSI	EP	20 31 17.4	3.1	.1					QS
		E(S)	20 31 56.6							
26	ASD	EP	20 31 20.5	3.1	.1					
26	ASB	EP	20 31 21.4	4.1	.1					QS
		E(S)	20 32 6.7							
26	ASC	EP	20 31 21.9							
26	ANA	EP	20 31 24.8							
26	RAT	EP	20 31 27.8	1.3	.1					QP

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JUL 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
26	21	2 29.23	51.26 N 179.56 W	DEPTH = 33.8 KM						FREE DEPTH SOLUTION
			DELAROF ISLANDS, ALEUTIAN ISLANDS							
26	AMA	IPGD	21 02 36.8	15.0	.1	2.92	31	84	.1	
		ES	21 02 41.9						-.2	
26	ASD	EPG	21 02 42.8	6.4	.1	2.80	78	281	-.0	
		IS	21 02 52.5						-.2	
26	ASB	EPG	21 02 43.8	6.3	.1	2.82	84	278	.1	
		ES	21 02 54.4						.2	
26	ASC	IPG	21 02 44.8				92	285	.0	
26	SSI	EP	21 02 45.0	4.6	.1	2.71	92	320	.2	
		ES	21 02 56.1						-.1	
26	AND	EPG	21 02 47.1				109	289	-.2	
26	ANA	EP	21 02 50.2				130	289	-.1	
26	RAT	EP	21 02 53.7	1.7	.1	2.48	158	293	-.0	
26	SMY	EP	21 04 52.3							
26	RAT	EPN	21 05 25.5							QS
		EP	21 05 30.7	75.8	.3					
		E(S)	21 06 4.0							
26	ANA	EP	21 05 28.6							
26	AND	EP	21 05 32.0							
26	ASC	EP	21 05 34.1							
26	ASB	EP	21 05 34.6	19.4	.4					
26	ASD	EP	21 05 35.6	23.9	.3					
26	SSI	EP	21 05 36.1	23.7	.3					
26	23	9 16.56	51.57 N 178.08 E	DEPTH = 61.3 KM						FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
26	RAT	EPG	23 09 26.7	13.2	.1	3.03	31	34	-.0	
26	ANA	IPG	23 09 27.4				41	81	-.0	
26	AND	EPG	23 09 29.1				60	90	-.1	
26	ACF	EPG	23 09 29.6				63	94	.1	
26	ACC	EPG	23 09 29.9				67	98	-.0	
26	ACB	EPG	23 09 30.3				71	99	-.0	
26	ACA	EPG	23 09 30.8				73	97	.3	
26	ACE	EPG	23 09 31.0				78	104	-.1	
26	ASC	IPG	23 09 31.2				76	99	.3	
26	ASB	IPG	23 09 31.6	5.3	.1	2.80	84	106	-.2	
		ES	23 09 42.7						-.1	
26	ASD	EPG	23 09 32.3	4.2	.1	2.72	90	102	-.1	
		ES	23 09 43.9						-.0	
26	SSI	IPG	23 09 34.6	13.3	.1	3.27	110	70	-.1	
		ES	23 09 48.1						.1	
27	0 22 25.30	5.39 S 152.37 E	DEPTH = 33.0 KM	MB = 5.4	MS = 5.3	TELESEISMIC SOLUTION				
		NEW BRITAIN REGION								
27	ADK	EP	00 32 49.8				6990	21		
27	2 3 20.40	4.87 S 153.30 E	DEPTH = 55.0 KM	MB = 5.8	TELESEISMIC SOLUTION					
		NEW IRELAND REGION								
27	ADK	EP	02 13 37.1				6900	21		
		EAP	02 14 5.2							

JUL 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
27	2	2	49.60	2.76 S	77.42 W	DEPTH = 135.0 KM MB = 6.3				TELESEISMIC SOLUTION
				PERU-ECUADOR BORDER REGION						
27	ADK	EP	02 16 14.2				10884	322		7.1MS
27	GMA	EP	03 18 2.1							
27	3	17	46.10	52.11 N	173.05 E	DEPTH = 38.0 KM MB = 4.8				TELESEISMIC SOLUTION
				RAT ISLANDS, ALEUTIAN ISLANDS						
27	GMA	EP	03 22 1.8				2086	35		-6.4
27	5	30	24.91	51.58 N	179.41 E	DEPTH = 75.9 KM				FREE DEPTH SOLUTION
				RAT ISLANDS, ALEUTIAN ISLANDS						
27	ASD	IP	05 30 36.2	14.8	.1	3.13	22	193		-.1
27	ASC	IP	05 30 36.3				22	232		.0
27	ACB	IP	05 30 36.3				26	239		-.1
27	ACA	IP	05 30 36.4				23	241		.1
27	ACE	IP	05 30 36.4				26	219		-.0
27	ACC	IP	05 30 36.5				28	247		-.0
27	ASB	IP	05 30 36.6	15.6	.1	3.16	27	205		.1
	ES		05 30 44.9							-.0
27	AND	EP	05 30 36.6				32	266		-.1
27	ACD	IP	05 30 36.6				26	228		.2
27	SSI	IP	05 30 36.9	10.2	.1	3.00	36	20		-.1
	IS		05 30 45.9							.1
27	ANA	EP	05 30 37.9				52	275		-.2
27	RAT	IP	05 30 40.6	1.6	.1	2.30	78	288		.2
27	ANA	IP	07 53 42.9							
27	AND	IP	07 53 44.6							
	ES		07 53 55.4							
27	15	20	33.80	52.46 N	173.97 E	DEPTH = 56.0 KM MB = 4.3				TELESEISMIC SOLUTION
				RAT ISLANDS, ALEUTIAN ISLANDS						
27	SMY	EP	15 20 43.2				31	16		-.3
27	RAT	IP	15 21 16.4				307	102		.5
	I		15 21 20.9	18.3	.1					
27	ANA	EP	15 21 20.3				334	104		1.0
	E		15 22 11.6							
27	AND	EP	15 21 22.3				356	104		.3
27	ASC	EP	15 21 24.7				373	105		.6
27	ASB	EP	15 21 25.8				382	107		.5
27	ASD	EP	15 21 27.7				387	106		1.8
27	15	37	23.94	51.53 N	177.67 E	DEPTH = 49.0 KM				FREE DEPTH SOLUTION
				RAT ISLANDS, ALEUTIAN ISLANDS						
27	RAT	IP	15 37 35.2	21.3	.1	3.27	55	56		-.0
	IS		15 37 43.2							-.2
27	ANA	IP	15 37 37.3				69	80		.4
27	AND	IP	15 37 39.2				89	87		-.0
27	ASC	IP	15 37 41.1				104	93		.1
27	ASB	EP	15 37 41.9	1.7	.1	2.37	111	99		-.0
27	ASD	EP	15 37 42.3	2.8	.1	2.60	117	97		-.3
	ES		15 37 56.4							.1
27	SSI	IP	15 37 45.3				138	72		.0
	IS		15 38 .9							.0

JUL 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
27	20 28	49.67	50.94 N 179.20 E	DEPTH = 35.5 KM MB = 4.9			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
27	ASB	IP	20 28 59.1				47	4	-.1	
		IS	20 29 6.2						.1	
27	ASD	IP D	20 28 59.4				51	11	-.3	
27	ACE	IP	20 28 59.7				52	358	-.0	
27	ACD	IP	20 29 .2				55	355	.0	
27	ASC	IP	20 29 .7				59	357	.0	
27	ACB	IP	20 29 .9				59	352	.2	
27	ACA	IP	20 29 1.1				61	355	.1	
27	ACC	IP	20 29 1.3				62	350	.2	
27	ACF	IP	20 29 1.9				67	348	.1	
27	AND	IP	20 29 2.4				72	346	-.1	
27	ANA	IP	20 29 4.4				86	334	-.0	
27	SSI	IP	20 29 7.9				110	14	-.0	
27	RAT	IP	20 29 8.4				114	328	-.1	
27	AMA	IP	20 29 9.9				124	71	.1	
27	ADK	EP	20 29 33.5				304	68	1.6	
		ES	20 30 5.9						2.9	
27	SMY	EP	20 29 49.1				404	302	4.8	
27	NIK	E(P)	20 30 41.5				849	70	2.2	
.....										
27	20 32	28.35	50.96 N 179.20 E	DEPTH = 25.0 KM			FIXED DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
27	ASB	IP	20 32 36.9	35.5	.1	3.35	45	4	.1	
		ES	20 32 43.0						-.0	
27	ASD	IP	20 32 37.2				50	12	-.2	
27	ASC	IP	20 32 38.5				57	358	.1	
27	AND	IP	20 32 40.4				70	346	.0	
27	ANA	IP	20 32 42.4				84	334	-.0	
27	SSI	IP	20 32 46.2	18.5	.1	3.37	108	14	.2	
.....										
27	20 35	24.82	50.94 N 179.20 E	DEPTH = 36.5 KM MB = 4.7			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
27	ASB	IP D	20 35 34.2				47	4	-.1	
		IS	20 35 41.2						-.1	
27	ASD	IP D	20 35 34.5				51	11	-.4	
27	ACE	IP	20 35 34.9				51	358	.0	
27	ACD	IP	20 35 35.4				54	355	.1	
27	ASC	IP D	20 35 35.8				58	357	.0	
27	ACB	IP	20 35 36.0				58	352	.1	
27	ACA	IP	20 35 36.1				60	354	-.0	
27	ACC	IP	20 35 36.4				61	350	.1	
27	ACF	IP	20 35 37.1				67	347	.1	
27	AND	IP D	20 35 37.5				71	346	-.1	
27	ANA	IP D	20 35 39.6				85	334	.0	
27	SSI	IP	20 35 43.1				109	14	.1	
27	RAT	IP	20 35 43.3				113	328	-.2	
27	AMA	IP	20 35 44.9				124	71	.0	
27	ADK	EP	20 36 8.3				304	68	1.2	
		ES	20 36 40.3						2.4	
27	NIK	EP	20 37 17.1				849	70	2.7	
.....										
27	20 37	8.01	51.04 N 179.30 E	DEPTH = 41.2 KM MB = 3.5			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
27	ASB	IP	20 37 16.8				36	354	.0	
		ES	20 37 23.2						.0	
27	ASD	IP	20 37 17.1				40	4	-.0	

JUL 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
27	ASC	IP	20 37 18.3				48	349	.1	
27	AND	IP	20 37 20.0				63	338	-.1	
.....										
27	20 38 54.71	50.95 N 179.01 E DEPTH = 25.0 KM					FIXED DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
27	ASB	IP	20 39 3.7				49	20	-.0	
		ES	20 39 10.1						-.2	
27	ASD	IP	20 39 4.2	25.5	.2	2.96	55	25	-.3	
27	ASC	IP	20 39 5.4				58	11	.3	
27	AND	EP	20 39 7.2				68	357	.7	
27	ANA	EP	20 39 7.6				79	342	-.5	
.....										
27	20 40 30.46	51.20 N 179.28 E DEPTH = 25.0 KM					FIXED DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
27	ASB	EP	20 40 35.6				18	353	.1	
		IS	20 40 41.6						2.4	
27	ASD	EP	20 40 35.8	4.9	.1	2.31	22	12	-.1	
27	ASC	EP	20 40 37.1				30	345	.2	
27	AND	EP	20 40 38.9				46	331	-.1	
.....										
27	20 40 52.37	50.96 N 179.44 E DEPTH = 25.0 KM					FIXED DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
27	ASB	IP	20 41 .9				46	343	-.1	
		IS	20 41 7.3						-.0	
27	ASD	EP	20 41 1.3	2.8	.1	2.27	48	352	.0	
27	ASC	EP	20 41 2.9				59	341	.1	
.....										
27	20 41 54.29	50.94 N 179.11 E DEPTH = 6.2 KM					FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
27	ASB	EP	20 42 3.3	29.4	.2	2.94	48	11	.3	
		ES	20 42 9.4						-.0	
27	ASD	EP	20 42 3.7				53	18	-.2	
27	ASC	EP	20 42 5.0				58	4	.1	
27	AND	EP	20 42 6.7				70	351	-.0	
27	RAT	EP	20 42 12.7				110	331	-.1	
27	SSI	IP	20 42 12.9	10.5	.1	3.12	111	17	-.0	
.....										
27	20 44 42.40	50.93 N 179.22 E DEPTH = 26.7 KM					FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
27	ASB	IP	20 44 51.5	12.3	.1	2.91	49	2	.1	
		ES	20 44 58.0						-.0	
27	ASD	IP	20 44 51.9	12.0	.1	2.93	52	9	-.1	
27	ASC	EP	20 44 53.1				60	356	.0	
27	AND	EP	20 44 55.1				73	345	.1	
27	ANA	EP	20 44 57.0				87	333	-.1	
.....										
27	ASB	IP	20 46 52.5	3.3	.1	2.44				
		IS	20 47 .3							
27	ASD	IP	20 46 53.1	3.5	.1	2.49				

JUL 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
27	20 48	8.55	50.94 N 179.28 E	DEPTH = 24.4 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
27	ASB	EP	20 48 17.2				47	357	.0	
		ES	20 48 23.5						.0	
27	ASD	EP	20 48 17.7	1.8	.1	2.09	50	5	.0	
27	ASC	EP	20 48 18.9				58	352	.0	
.....										
27	20 49	10.08	50.96 N 179.16 E	DEPTH = 25.0 KM			FIXED DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
27	ASB	IP D	20 49 18.7	5.0	.1	2.50	45	8	.1	
		IS	20 49 25.1						.3	
27	ASD	IPP	20 49 19.0	3.5	.1	2.37	50	15	-.2	
27	ASC	IP	20 49 20.3				56	0	.2	
27	AND	EP	20 49 22.0				69	348	.0	
27	ANA	EP	20 49 24.0				82	335	.1	
27	SSI	IP	20 49 27.9				108	16	.1	
		ES	20 49 40.4						-.4	
27	RAT	EP	20 49 27.9				110	329	-.2	
.....										
27	20 55	34.34	50.90 N 179.20 E	DEPTH = 22.5 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
27	ASB	IP D	20 55 43.8				51	4	.2	
		IS	20 55 50.0						-.3	
27	ASD	IP D	20 55 44.1	53.2	.1	3.58	56	10	-.1	
27	ASC	IP C	20 55 45.5				63	358	.3	
27	AND	IP D	20 55 47.2				76	347	.0	
27	SSI	IP	20 55 53.0				114	14	.1	
27	RAT	EP	20 55 53.1				117	329	-.2	
27	AMA	IP	20 55 54.6				126	69	-.1	
.....										
27	20 59	19.60	50.95 N 179.22 E	DEPTH = 34.0 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
27	ASB	IP D	20 59 28.8				45	3	.1	
		ES	20 59 35.2						-.2	
27	ASD	IP D	20 59 29.1	44.4	.1	3.51	50	10	-.2	
27	ASC	IP C	20 59 30.4				57	356	.1	
27	AND	IP	20 59 32.2				70	345	.1	
27	SSI	IP	20 59 37.8				108	14	.3	
		IS	20 59 50.5						-.1	
27	RAT	EP	20 59 38.1				113	327	-.1	
27	AMA	IP	20 59 39.6				123	72	-.1	
.....										
27	21 2	51.89	51.04 N 179.36 E	DEPTH = 38.8 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
27	ASB	IP	21 03 .4	4.3	.1	2.44	36	348	-.0	
		ES	21 03 6.6						-.0	
27	ASD	EP	21 03 .7	3.2	.1	2.33	39	358	.0	
27	ASC	EP	21 03 1.8				49	344	-.1	
27	AND	EP	21 03 3.9				64	334	.0	
.....										
27	ASB	EP	21 04 33.3							
		ES	21 04 50.2							
27	ASD	EP	21 04 33.8	4.6	.1	2.90				

JUL 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
27	21	7 24.53	50.93 N 179.13 E	DEPTH = 25.0 KM			FIXED DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
27	ASB	IP D	21 07 33.5	10.7	.1	2.85	48	10	.0	
		IS	21 07 39.9						-.1	
27	ASD	IP C	21 07 33.8	9.1	.1	2.81	53	16	-.3	
27	ASC	IP D	21 07 35.1				59	2	.1	
27	AND	EP	21 07 36.8				71	350	.0	
27	RAT	EP	21 07 42.7				111	330	-.1	
27	SSI	EP	21 07 43.0	7.1	.1	2.96	112	16	.2	
27	21	10 25.03	50.92 N 179.18 E	DEPTH = 25.0 KM			FIXED DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
27	ASB	IP D	21 10 34.1	9.0	.1	2.78	49	5	.1	
		ES	21 10 43.6						-.0	
27	ASD	IP	21 10 34.4	4.5	.1	2.50	53	12	-.3	
27	ASC	IP	21 10 35.7				60	359	.1	
27	AND	EP	21 10 37.5				73	347	-.0	
27	SSI	IP	21 10 43.5	6.8	.1	2.95	112	14	.2	
27	RAT	EP	21 10 43.7				114	329	.0	
27	21	17 27.75	50.94 N 179.15 E	DEPTH = 24.0 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
27	ASB	IP D	21 17 36.6	151.1	.2	3.69	47	8	.1	
		IS	21 17 42.9						.1	
27	ASD	IP	21 17 36.9	32.5	.1	3.35	52	15	-.2	
27	ASC	IP	21 17 38.0				58	1	-.0	
27	AND	IP	21 17 39.9				71	349	.0	
27	SSI	EP	21 17 45.8	3.2	.1	2.61	110	16	.0	
27	RAT	IP	21 17 46.0				112	329	.0	
27	AMA	EP	21 17 48.4				127	72	.0	
27	21	19 25.86	50.97 N 179.22 E	DEPTH = 26.2 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
27	ASB	IP	21 19 34.3	9.3	.1	2.76	43	3	.1	
		ES	21 19 40.2						-.0	
27	ASD	IP	21 19 34.6	6.6	.1	2.64	48	11	-.1	
27	ASC	EP	21 19 35.7				55	356	-.1	
27	AND	EP	21 19 37.7				58	344	-.0	
27	SSI	EP	21 19 43.3	8.3	.1	3.01	106	14	.0	
27	21	53 17.18	51.03 N 179.10 E	DEPTH = 27.6 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
27	ASB	IP D	21 53 24.7	22.5	.1	3.11	38	16	-.2	
		IS	21 53 31.1						.6	
27	ASD	IP C	21 53 25.1	9.8	.1	2.79	44	23	-.5	
27	ASC	IP	21 53 26.3				48	6	.0	
27	AND	EP	21 53 28.0				60	350	.1	
27	SSI	IP	21 53 33.9				102	19	-.2	
27	RAT	IP	21 53 34.1				101	328	.2	
27	AMA	EP	21 53 38.3				128	76	.3	

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JUL 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
27	21 57 41.75		51.05 N 179.40 E			DEPTH = 39.9 KM				FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
27	ASB	IP	21 57 50.4	6.9	.1	2.65	36	343	-.0	
		ES	21 57 56.7						-.0	
27	ASD	EP	21 57 50.6	3.8	.1	2.40	38	354	-.0	
27	ASC	IP	21 57 51.9				49	341	.0	
27	AND	EP	21 57 53.9				65	332	-.0	
27	22 2 30.67		50.95 N 179.20 E			DEPTH = 25.0 KM				FIXED DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
27	ASB	IP	22 02 39.3				46	4	.1	
		IS	22 02 45.4						-.0	
27	ASD	IP	22 02 39.5				50	12	-.3	
27	ASC	EP	22 02 40.9				57	358	.1	
27	AND	EP	22 02 42.7				70	346	-.0	
27	SSI	IP	22 02 48.6	7.3	.1	2.96	108	14	.2	
27	22 13 49.03		50.90 N 179.23 E			DEPTH = 26.4 KM				FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
27	ASB	IP D	22 13 58.6	57.8	.1	3.60	51	2	.2	
		IS	22 14 5.0						-.2	
27	ASD	IP D	22 13 58.8	38.5	.1	3.45	55	8	-.2	
27	ASC	IP C	22 14 .2				62	356	.2	
27	AND	EP	22 14 2.1				76	346	.1	
27	SSI	IP	22 14 7.6	31.0	.1	3.61	113	13	.1	
27	RAT	EP	22 14 8.0				118	328	-.2	
27	AMA	IP	22 14 9.1				124	69	-.1	
27	ASB	IP D	22 18 49.2							
		IS	22 18 55.6							
27	ASD	IP C	22 18 49.5							
27	ASC	IP	22 18 50.8							
27	SSI	IP	22 18 58.4	12.2	.1	3.28				
		IS	22 19 14.0							
27	RAT	IP	22 18 58.5							
27	22 31 59.82		51.28 N 178.50 E			DEPTH = 39.7 KM				FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
27	ANA	IP D	22 32 9.0				40	16	.1	
27	AND	IP D	22 32 9.3				45	45	-.1	
27	ACF	IP	22 32 9.4				44	51	.1	
27	ACB	IP	22 32 9.6				46	64	.1	
27	ACE	IP	22 32 9.8				49	74	-.1	
27	ACA	IP	22 32 9.9				49	62	.0	
27	ACC	IP	22 32 9.9				44	59	.6	
27	ACD	IP	22 32 9.9				47	69	.2	
27	ASB	EP	22 32 10.2				53	80	-.2	
		ES	22 32 17.6						-.5	
27	ASC	EP	22 32 10.2				51	66	.1	
27	RAT	IP D	22 32 10.8	44.7	.1	3.57	59	349	-.4	
27	ASD	IP	22 32 11.1				60	78	-.2	
27	SSI	IP	22 32 16.8	46.5	.1	3.76	102	48	-.0	
		IS	22 32 29.2						-.0	

JUL 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
27	22 58	51.09	50.94 N 179.24 E	DEPTH = 30.4 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
27	ASB	IP D	22 59 .2	9.0	.1	2.78	46	0	.1	
		IS	22 59 6.3						-.4	
27	ASD	IP D	22 59 .4	6.7	.1	2.68	50	8	-.2	
27	ACE	IP	22 59 .8				51	354	.1	
27	ACD	IP	22 59 1.4				55	352	.2	
27	ASC	IP C	22 59 1.9				58	355	.2	
27	ACB	IP	22 59 1.9				59	350	.1	
27	ACA	IP	22 59 2.1				61	352	.1	
27	AND	IP C	22 59 3.6				72	344	-.0	
27	ANA	IP C	22 59 5.7				86	332	-.0	
27	SSI	IP	22 59 9.1				108	13	.1	
27	RAT	IP	22 59 9.6				115	327	-.3	
27	AMA	IP	22 59 10.8				121	71	-.1	
27	23 0	52.57	51.25 N 179.24 E	DEPTH = 52.3 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
27	ASB	EP	23 01 .9	3.1	.1	2.30	13	2	-.0	
		IS	23 01 6.3						-.0	
27	ASD	IP	23 01 1.1	2.1	.1	2.15	18	23	-.0	
27	ASC	EP	23 01 1.5				25	347	-.0	
27	23 2	37.91	50.95 N 179.34 E	DEPTH = 27.9 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
27	ASB	EP	23 02 46.7	6.9	.1	2.65	46	352	.0	
		IS	23 02 53.1						-.0	
27	ASD	EP	23 02 47.1	2.3	.1	2.28	49	0	.0	
27	ASC	EP	23 02 48.4				58	348	.0	
27	23 55	3.48	51.39 N 179.89 E	DEPTH = 8.4 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
27	ASD	IP	23 55 10.6	6.0	.1	2.47	38	271	.0	
27	ASB	IP	23 55 11.8	9.7	.1	2.74	45	267	.0	
		ES	23 55 17.7						-.1	
27	ACE	IP	23 55 12.5				50	272	-.1	
27	ASC	IP	23 55 12.9				51	280	.1	
27	ACD	IP	23 55 13.0				53	275	-.0	
27	ACA	IP	23 55 13.4				55	281	.1	
27	ACB	IP	23 55 13.6				56	279	.0	
27	AND	EP	23 55 15.3				68	287	-.0	
27	AMA	IP	23 55 15.7	6.4	.1	2.73	70	98	-.0	
27	ANA	EP	23 55 18.6				89	288	.0	
27	RAT	EP	23 55 22.7				117	294	-.1	
28	0 1	23.33	50.83 N 179.23 E	DEPTH = 25.0 KM			FIXED DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
28	ASB	IP	00 01 33.8	14.2	.2	2.73	59	1	.1	
		ES	00 01 41.3						-.0	
28	ASD	EP	00 01 34.2	12.7	.2	2.71	63	7	-.1	
28	ASC	IP	00 01 35.5				70	356	.1	
28	AND	IP	00 01 37.3				83	347	-.1	

JUL 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
28	0	2	23.17	50.90 N 179.19 E DEPTH = 25.0 KM			FIXED DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
28	ASB	IP	00 02 32.6				52	4	.1	
		ES	00 02 39.3						-.1	
28	ASD	EP	00 02 32.8				56	11	-.3	
28	ACE	EP	00 02 33.2				56	358	.0	
28	ASC	IP	00 02 34.2				63	358	.0	
28	ACB	EP	00 02 34.5				63	353	.3	
28	ACA	EP	00 02 34.6				65	355	.1	
28	AND	EP	00 02 36.0				76	347	-.1	
28	SSI	EP	00 02 41.9	4.6	.1	2.78	114	14	.1	
28	RAT	EP	00 02 42.1				117	329	-.1	
28	ADK	EP	00 14 46.1							
		ES	00 15 18.3							
28	ASB	IP	00 17 14.0	7.8	.1	2.73				
		ES	00 17 20.3							
28	ASD	IP	00 17 14.3	9.9	.1	2.85				
28	ASC	IP	00 17 15.7							
28	AND	EP	00 17 17.3							
28	SSI	EP	00 17 23.5	5.4	.1					
28	0	36	54.23	51.52 N 178.37 E DEPTH = 56.0 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
28	ANA	IP	00 37 3.4				23	60	.0	
28	RAT	EP	00 37 3.8				31	354	-.1	
28	AND	EP	00 37 4.7				40	83	.1	
28	ASC	EP	00 37 6.0				55	97	.0	
28	ASB	EP	00 37 6.8	2.8	.1	2.44	63	106	-.0	
28	ASD	EP	00 37 7.4	3.2	.1	2.52	69	102	-.0	
		IS	00 37 17.0						-.1	
28	SSI	EP	00 37 10.3				93	63	.0	
		ES	00 37 21.9						-.1	
28	1	10	24.10	5.14 S 152.88 E DEPTH = 33.0 KM MB = 6.0 MS = 6.4			TELESEISMIC SOLUTION			
			NEW BRITAIN REGION							
28	ADK	EP	01 20 53.3				6945	21	6.3MS	
28	1	28	12.64	52.03 N 178.03 E DEPTH = 67.8 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
28	RAT	IP	01 28 23.7	49.7	.1	3.64	33	141	.1	
		ES	01 28 31.7						.1	
28	ANA	IP C	01 28 25.8				62	135	-.2	
28	AND	EP	01 28 27.7				82	129	-.3	
28	ASB	IP	01 28 31.4				112	131	.1	
28	ASD	EP	01 28 31.9				115	127	.2	
		IS	01 28 45.5						-.0	
28	ADK	EP	01 48 20.5							
		ES	01 48 52.6							

JUL 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
28	3	5 46.04	51.21 N 178.41 E	DEPTH = 19.8 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
28	ANA	IP	03 05 55.2				49	20	.4	
28	AND	EP	03 05 55.6				54	44	.1	
28	ACB	IP	03 05 55.8				55	59	.2	
28	ACD	IP	03 05 56.0				56	64	.2	
28	ACE	IP	03 05 56.0				57	68	.1	
28	ACA	IP	03 05 56.2				57	59	.2	
28	ASB	IP	03 05 56.4	5.7	.1	2.63	60	74	-.1	
		IS	03 06 3.5						-.6	
28	ASC	IP	03 05 56.4				59	62	.1	
28	RAT	IP	03 05 56.8	12.5	.1	3.01	65	355	-.5	
		IS	03 06 5.3						-.1	
28	ASD	EP	03 05 57.2				67	73	-.4	
28	SSI	IP	03 06 4.1				111	47	.0	
		IS	03 06 17.3						.1	
28	3	57 50.48	51.59 N 179.77 E	DEPTH = 81.3 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
28	ASD	IP	03 58 3.1	14.8	.1	3.19	37	233	-.1	
28	SSI	EP	03 58 3.1	5.9	.1	2.78	36	339	.0	
28	ASB	EP	03 58 3.6	24.4	.1	3.42	45	235	-.1	
		IS	03 58 13.2						-.1	
28	ASC	EP	03 58 3.7				45	251	.1	
28	ACE	IP	03 58 3.7				47	243	-.1	
28	ACA	IP	03 58 3.8				47	255	-.0	
28	ACB	IP	03 58 4.0				49	253	.0	
28	ACD	IP	03 58 4.0				48	248	.1	
28	ACC	IP	03 58 4.3				52	257	.1	
28	AND	EP	03 58 4.5				57	267	-.0	
28	ANA	IP	03 58 6.5				77	273	.2	
28	RAT	IP	03 58 8.6	10.9	.1	3.20	102	283	-.2	
28	4	35 1.20	52.48 N 173.10 E	DEPTH = 54.0 KM			TELESEISMIC SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
28	SMY	EP	04 35 14.3				73	67	-.5	
28	GMA	E(P)	04 39 14.4				2049	35	-4.0	
28	7	31 48.10	50.82 N 179.10 E	DEPTH = 25.0 KM			FIXED DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
28	ASB	IP	07 31 58.9	6.6	.1	2.71	61	10	.1	
		IS	07 32 6.6						.0	
28	ASD	IP	07 31 59.2	7.0	.1	2.76	65	15	-.3	
28	ASC	EP	07 31 59.3				71	4	-1.0	
28	ACE	EP	07 31 59.3				64	5	-.0	
28	ACD	EP	07 31 59.9				67	2	.1	
28	ACB	EP	07 32 .4				71	360	.1	
28	ACA	EP	07 32 .6				73	1	-.0	
28	AND	EP	07 32 1.9				83	353	-.1	
28	ANA	EP	07 32 4.4				94	341	.6	
28	RAT	EP	07 32 7.6				121	334	-.2	
28	SSI	IP	07 32 9.0	6.8	.1	2.98	124	16	.8	

JUL	STA	PHASE	TIME	AMP	PER	MAG	DIST	AZI	RES	REMARKS
1971			(GMT)	(MU)	(SEC)		(KM)	(DEG)	(SEC)	
.....										
28	8	14	29.52	50.98 N	179.16 E	DEPTH = 34.2 KM	FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
28	ASB	IP	08 14 38.5	6.6	.1	2.64	43	8	-.0	
		IS	08 14 45.0						.0	
28	ASD	IP	08 14 38.7	3.6	.1	2.41	48	15	-.4	
28	ACE	IP	08 14 39.2				47	1	.2	
28	ACD	IP	08 14 39.7				50	358	.3	
28	AND	IP	08 14 40.0				67	347	-1.7	
28	ACB	IP	08 14 40.2				55	355	.2	
28	ACA	IP	08 14 40.4				56	357	.2	
28	ACF	IP	08 14 41.4				62	349	.4	
28	ANA	IP	08 14 43.8				81	334	.2	
28	SSI	IP	08 14 47.5	4.5	.1	2.77	106	16	.2	
28	RAT	EP	08 14 47.7				109	328	.0	
.....										
28	8	29	21.32	50.97 N	179.14 E	DEPTH = 25.0 KM	FIXED DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
28	ASB	IP D	08 29 29.6	22.2	.1	3.13	44	9	.0	
		ES	08 29 35.5						-.1	
28	ASD	IP	08 29 29.9	14.7	.1	2.99	48	16	-.3	
28	ACE	IP	08 29 30.2				48	2	.1	
28	ACD	IP	08 29 30.7				51	359	.2	
28	ASC	IP	08 29 31.2				54	1	.1	
28	ACB	IP	08 29 31.2				55	356	.1	
28	ACA	EP	08 29 31.5				56	358	.1	
28	AND	IP	08 29 32.8				67	349	-.1	
28	ANA	EP	08 29 34.9				80	335	.0	
28	RAT	EP	08 29 38.9				108	329	-.1	
28	SSI	EP	08 29 39.0	7.6	.1	2.98	107	17	.2	
.....										
28	AMA	IP	08 40 59.7							
		IS	08 41 2.9							
28	ASD	EP	08 41 12.1	2.9	.1	2.75				
28	ASB	EP	08 41 13.1							
		IS	08 41 33.0							
28	ASC	EP	08 41 14.4							
.....										
28	8	47	22.36	50.93 N	179.19 E	DEPTH = 25.0 KM	FIXED DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
28	ASB	IP	08 47 31.1				48	5	-.1	
		ES	08 47 37.6						-.1	
28	ASD	IP	08 47 31.4	8.8	.1	2.79	52	12	-.4	
28	ACE	EP	08 47 31.8				52	359	-.0	
28	ACD	EP	08 47 32.4				55	356	.1	
28	ASC	IP	08 47 32.8				59	359	-.0	
28	ACB	EP	08 47 33.1				60	354	.2	
28	ACA	EP	08 47 33.3				61	356	.1	
28	AND	EP	08 47 34.7				72	347	-.0	
28	SSI	IP	08 47 40.8				111	14	.3	
28	RAT	EP	08 47 40.8				114	329	-.1	
.....										
28	AMA	IP C	09 03 54.2							
28	ASD	IP C	09 04 4.7	24.6	.1	3.53				
28	ASB	IP	09 04 5.5							
		ES	09 04 19.5							
28	ASC	IP	09 04 6.9							
28	SSI	IP	09 04 7.1							
28	AND	EP	09 04 8.9							
		ES	09 04 25.0							
28	ANA	EP	09 04 12.4							

JUL 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
28	RAT	EP	09 04 15.6							
28	10 35 37.59		50.93 N 179.13 E				DEPTH = 25.0 KM			FIXED DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
28	ASB	IP	10 35 46.6	12.5	.1	2.92	49	10	.1	
		ES	10 35 53.0						-.1	
28	ASD	IP	10 35 46.9	11.8	.1	2.92	53	16	-.3	
28	ASC	EP	10 35 48.1				59	3	.0	
28	ANA	EP	10 35 51.8				84	337	.1	
28	RAT	EP	10 35 55.7				111	330	-.1	
28	SSI	EP	10 35 56.1				112	17	.2	
28	10 53 55.77		50.92 N 179.20 E				DEPTH = 25.0 KM			FIXED DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
28	ASB	IP	10 54 4.8	15.1	.1	3.03	49	4	.0	
		ES	10 54 11.3						-.0	
28	ASD	IP	10 54 5.1	9.1	.1	2.81	53	11	-.3	
28	ASC	IP	10 54 6.4				50	358	-.0	
28	AND	EP	10 54 8.6				73	347	.3	
28	SSI	EP	10 54 14.2	6.3	.1	2.91	111	14	.2	
28	RAT	EP	10 54 14.4				115	329	-.1	
28	11 33 54.53		50.95 N 179.17 E				DEPTH = 25.0 KM			FIXED DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
28	ASB	EP	11 34 3.3				46	6	.2	
		ES	11 34 9.4						-.0	
28	ASD	IP	11 34 3.6	2.1	.1	2.16	51	13	-.2	
28	ASC	EP	11 34 4.8				57	359	.1	
28	AND	EP	11 34 6.5				70	347	-.1	
28	12 31 19.63		50.95 N 179.27 E				DEPTH = 25.0 KM			FIXED DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
28	ASB	EP	12 31 28.1	6.4	.1	2.61	45	358	-.0	
		ES	12 31 34.3						-.0	
28	ASD	EP	12 31 28.4	3.2	.1	2.33	49	6	-.2	
28	ACE	EP	12 31 28.8				50	352	-.0	
28	ACD	EP	12 31 29.3				54	350	-.0	
28	ACB	EP	12 31 29.9				58	347	-.0	
28	ASC	EP	12 31 30.0				57	352	.2	
28	ACA	EP	12 31 30.1				60	350	-.1	
28	ACC	EP	12 31 30.3				61	345	-.1	
28	AND	EP	12 31 32.0				71	342	.1	
28	SSI	IP	12 31 37.4				197	12	.2	
28	RAT	EP	12 31 38.4				115	325	.0	
28	12 35 56.73		50.96 N 179.27 E				DEPTH = 20.5 KM			FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
28	ASB	IP	12 36 5.0	7.5	.1	2.66	44	358	.1	
		IS	12 36 10.8						-.0	
28	ASD	EP	12 36 5.3	4.3	.1	2.44	48	6	-.1	
28	ACE	IP	12 36 5.7				49	352	.1	
28	ACD	EP	12 36 6.1				53	350	.0	
28	ASC	EP	12 36 6.5				56	353	-.1	
28	ACB	EP	12 36 6.7				57	348	-.0	
28	ACA	EP	12 36 6.9				59	350	-.1	

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JUL 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
28	ACC	EP	12 36 7.1				60	345	-.1	
28	AND	EP	12 36 8.9				70	342	-.2	
28	SSI	IP	12 36 14.1	9.3	.1	3.06	106	12	.0	
28	RAT	EP	12 36 15.2				114	325	-.0	
.....										
28	13 12 11.52	51.34 N 179.72 W DEPTH = 33.3 KM						FREE DEPTH SOLUTION		
DELAROF ISLANDS, ALEUTIAN ISLANDS										
28	AMA	IP C	13 12 20.2	6.3	.2	2.31	43	97	-.1	
		ES	13 12 26.7						.0	
28	ASD	EP	13 12 23.0	35.4	.1	3.49	66	276	-.3	
28	ASB	IP	13 12 24.2				72	273	-.0	
		ES	13 12 33.2						-.3	
28	ACE	IP	13 12 25.0				77	276	.0	
28	SSI	EP	13 12 25.1				78	322	-.0	
28	ASC	IP	13 12 25.4				79	281	.2	
28	ACD	IP	13 12 25.6				80	278	.2	
28	ACA	IP	13 12 25.8				82	282	.1	
28	ACB	IP	13 12 26.1				84	280	.2	
28	ACC	EP	13 12 26.7				88	281	.2	
28	AND	IP	13 12 27.5				95	286	-.1	
28	ANA	EP	13 12 30.7				117	287	-.1	
28	RAT	EP	13 12 34.3				145	292	-.1	
.....										
28	14 29 17.03	50.98 N 179.16 E DEPTH = 26.3 KM						FREE DEPTH SOLUTION		
RAT ISLANDS, ALEUTIAN ISLANDS										
28	ASB	IP D	14 29 25.2	93.3	.1	3.75	42	8	-.0	
		IS	14 29 31.1						-.1	
28	ASD	IP D	14 29 25.5				47	15	-.3	
28	ACE	IP	14 29 25.8				46	1	.0	
28	ACD	IP	14 29 26.3				50	358	.1	
28	ASC	IP C	14 29 26.8				53	0	.1	
28	ACB	IP	14 29 26.9				54	355	.1	
28	ACA	IP	14 29 27.1				56	357	.1	
28	ACF	IP	14 29 28.1				62	349	.2	
28	AND	IP D	14 29 28.5				66	347	-.1	
28	ANA	IP	14 29 30.6				80	334	.0	
28	SSI	IP	14 29 34.4	5.9	.1	2.86	105	16	.0	
28	RAT	EP	14 29 34.5				108	328	-.2	
28	AMA	EP	14 29 37.4				125	74	.0	
.....										
28	14 42 44.71	50.98 N 179.16 E DEPTH = 26.1 KM						FREE DEPTH SOLUTION		
RAT ISLANDS, ALEUTIAN ISLANDS										
28	ASB	IP D	14 42 52.9	80.0	.1	3.69	43	8	-.1	
		IS	14 42 58.8						-.2	
28	ASD	IP D	14 42 53.3	50.1	.1	3.52	48	16	-.3	
28	ACE	IP	14 42 53.6				47	1	.1	
28	ACD	IP	14 42 54.0				50	358	.1	
28	ASC	IP	14 42 54.6				54	1	.1	
28	ACB	EP	14 42 54.6				54	355	.1	
28	ACA	EP	14 42 54.9				56	357	.1	
28	ACC	EP	14 42 54.9				57	352	-.0	
28	ACF	IP	14 42 55.8				62	350	.2	
28	AND	IP D	14 42 56.3				67	348	.0	
28	ANA	EP	14 42 58.3				80	335	.0	
28	SSI	IP	14 43 2.0	51.0	.1	3.80	106	16	-.2	
		IS	14 43 15.0						.1	
28	RAT	EP	14 43 2.2				108	328	-.2	
28	AMA	EP	14 43 5.2				126	73	.1	
.....										

JUL 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
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28	SMY	EP	15 14 3.8							
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28	19 31 58.88	50.98 N 179.16 E	DEPTH = 25.2 KM	FREE DEPTH SOLUTION						
RAT ISLANDS, ALEUTIAN ISLANDS										
28	ASB	IP D	19 32 7.2				43	8	.1	
		ES	19 32 13.1						.1	
28	ASD	IP	19 32 7.5				48	16	-.2	
28	ACF	EP	19 32 7.9				62	349	-1.9	
28	ASC	IP	19 32 8.8				54	1	.2	
28	ACB	EP	19 32 8.9				54	355	.3	
28	ACA	EP	19 32 9.2				56	357	.3	
28	AND	EP	19 32 10.5				67	348	.1	
28	ANA	EP	19 32 12.7				80	335	.3	
28	SST	IP	19 32 16.4	5.4	.1	2.83	106	16	.1	
28	RAT	EP	19 32 16.7				108	328	.1	

28	19 56 35.46	50.97 N 179.16 E	DEPTH = 28.9 KM	FREE DEPTH SOLUTION						
RAT ISLANDS, ALEUTIAN ISLANDS										
28	ASB	IP D	19 56 44.2	57.8	.1	3.57	44	8	.1	
		IS	19 56 50.2						-.1	
28	ASD	IP C	19 56 44.5	35.3	.1	3.38	49	15	-.2	
28	ASC	IP	19 56 45.7				55	0	.1	
28	AND	IP	19 56 47.4				58	348	.0	
28	ANA	IP	19 56 49.4				81	335	.1	
28	SST	IP	19 56 53.1				107	16	-.0	
		IS	19 57 6.1						.1	
28	RAT	EP	19 56 53.3				109	328	-.1	

28	20 5 47.34	50.77 N 178.32 E	DEPTH = 30.9 KM MB = 4.0	FREE DEPTH SOLUTION						
RAT ISLANDS, ALEUTIAN ISLANDS										
28	ASB	IP C	20 06 2.9				92	44	.0	
		IS	20 06 13.9						-.3	
28	ACE	IP	20 06 2.9				92	40	.0	
28	ACD	IP	20 06 3.1				93	37	.1	
28	ACB	IP	20 06 3.3				94	34	.1	
28	ACC	IP	20 06 3.3				94	32	.1	
28	ACA	IP	20 06 3.6				97	35	.0	
28	ACF	IP	20 06 3.7				97	29	.2	
28	ASC	IP	20 06 3.7				97	37	.1	
28	ASD	IP C	20 06 3.8				99	45	-.1	
28	AND	IP C	20 06 3.8				99	26	-.0	
28	ANA	IP C	20 06 3.9				99	14	.1	
28	RAT	IP	20 06 5.8				115	0	-.4	
28	SST	IP C	20 06 11.7				153	35	.3	
28	AMA	EP	20 06 15.6				189	71	-.3	
28	ADK	EP	20 06 38.5				369	68	.4	
		ES	20 07 16.0						.9	

28	20 17 42.95	50.70 N 179.24 E	DEPTH = 29.7 KM	FREE DEPTH SOLUTION						
RAT ISLANDS, ALEUTIAN ISLANDS										
28	ASD	IP	20 17 56.1	41.2	.1	3.60	77	5	-.1	
28	ACE	IP	20 17 56.4				78	356	.0	
28	ACD	IP	20 17 56.9				81	355	.1	
28	ASC	IP	20 17 57.4				85	356	.0	
28	ACB	IP	20 17 57.5				85	353	.1	
28	ACA	IP	20 17 57.8				87	354	.1	
28	ACC	IP	20 17 57.9				88	351	.0	
28	ACF	IP	20 17 58.6				93	349	-.0	

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JUL 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
28	AND	EP	20 17 59.1				98	348	-.2	
28	ANA	EP	20 18 1.1				111	339	-.1	
28	SSI	EP	20 18 4.8				135	10	.0	
28	RAT	EP	20 18 5.3				138	333	.1	
.....										
28	21 59 57.24	51.03 N 179.20 E DEPTH = 37.3 KM						FREE DEPTH SOLUTION		
		RAT ISLANDS, ALEUTIAN ISLANDS								
28	ASB	IP	22 00 5.6				37	5	-.1	
		IS	22 00 11.5						-.4	
28	ASD	IP D	22 00 5.9	69.2	.1	3.67	41	14	-.3	
28	ACE	EP	22 00 6.2				41	357	.0	
28	ACD	EP	22 00 6.5				45	354	.0	
28	ASC	IP	22 00 7.1				48	357	.1	
28	ACB	EP	22 00 7.2				49	351	.1	
28	ACA	EP	22 00 7.4				51	354	.1	
28	AND	IP	22 00 8.9				62	344	.1	
28	ANA	IP	22 00 10.9				76	331	.1	
28	SSI	IP	22 00 14.4				100	16	.3	
28	RAT	EP	22 00 14.6				105	325	-.2	
28	AMA	EP	22 00 16.9				122	76	.0	
.....										
28	22 3 31.08	50.97 N 179.15 E DEPTH = 23.0 KM						FREE DEPTH SOLUTION		
		RAT ISLANDS, ALEUTIAN ISLANDS								
28	ASB	IP D	22 13 38.3	28.9	.1	3.24	44	9	.1	
		ES	22 03 44.1						-.0	
28	ASD	IP D	22 03 38.6	23.5	.1	3.18	48	16	-.3	
28	ACE	IP	22 03 38.9				48	2	.1	
28	ASC	IP	22 03 39.9				54	1	.1	
28	ACB	IP	22 03 39.9				55	355	.1	
28	ACA	IP	22 03 40.2				57	358	.1	
28	ACF	IP	22 03 41.0				63	350	.0	
28	AND	IP	22 03 41.5				67	348	-.1	
28	ANA	EP	22 03 43.5				80	335	-.1	
28	SSI	IP	22 03 47.6	9.8	.1	3.09	107	16	.0	
28	RAT	EP	22 03 47.8				108	328	.0	
.....										
28	23 33 2.79	50.99 N 179.22 E DEPTH = 36.9 KM MB = 3.5						FREE DEPTH SOLUTION		
		RAT ISLANDS, ALEUTIAN ISLANDS								
28	ASB	IP D	23 33 11.7				42	3	-.0	
		ES	23 33 18.0						-.2	
28	ASD	IP D	23 33 11.9				46	11	-.3	LARGE AMP.
28	ACE	IP	23 33 12.2				46	356	-.1	
28	ACD	IP	23 33 12.7				49	354	.0	
28	ASC	IP	23 33 13.2				53	356	.0	
28	ACB	IP	23 33 13.3				54	351	.1	
28	ACA	IP	23 33 13.5				55	353	.0	
28	ACC	IP	23 33 13.7				57	348	.1	
28	ACF	IP	23 33 14.4				62	346	.1	
28	AND	IP	23 33 15.0				67	344	.0	
28	ANA	IP	23 33 17.0				81	332	.0	
28	SSI	IP D	23 33 20.5				104	14	.2	
28	RAT	IP C	23 33 20.8				109	326	-.2	
28	AMA	EP	23 33 22.5				122	73	.0	
28	ADK	EP	23 33 46.2				301	69	1.5	
		ES	23 34 18.3						3.0	

JUL 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
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28	23 38	43.25	50.96 N 179.17 E	DEPTH = 23.4 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										

28	ASB	IP	23 38 51.7				45	7	.1	
		IS	23 38 57.6						-.0	
28	ASD	IP	23 38 52.0	19.2	.1	3.10	49	14	-.2	
28	ASC	IP	23 38 53.3				56	359	.2	
28	AND	EP	23 38 55.0				69	347	-.0	
28	SSI	IP	23 39 .9				108	15	.0	
28	RAT	EP	23 39 1.2				110	328	-.0	

28	23 41	18.36	50.97 N 179.18 E	DEPTH = 23.4 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										

28	ASB	IP	23 41 26.6	9.9	.1	2.77	43	6	.1	
		ES	23 41 32.4						-.0	
28	ASD	IP	23 41 27.0	10.2	.1	2.82	48	14	-.1	
28	AND	EP	23 41 30.0				67	347	.0	
28	SSI	EP	23 41 35.8				106	15	.0	
28	RAT	EP	23 41 36.2				109	328	-.0	

28	23 49	18.91	51.01 N 179.15 E	DEPTH = 25.6 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										

28	ASB	IP	23 49 26.6				39	10	.0	
		ES	23 49 32.2						.0	
28	AND	EP	23 49 29.9				63	347	-.0	
28	SSI	IP	23 49 35.8	6.8	.1	2.91	102	17	.0	
28	RAT	EP	23 49 36.1				104	327	.0	

29	0 14	3.32	51.05 N 179.22 E	DEPTH = 38.1 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										

29	ASB	IPGC	00 14 11.4				35	3	-.2	CLIPPED
		ES	00 14 17.2						-.4	
29	ASD	IPGC	00 14 11.8				39	13	-.3	
29	ACE	IPG	00 14 12.0				39	355	-.1	
29	ACD	IPG	00 14 12.5				42	352	.0	
29	ASC	IPG	00 14 13.0				46	355	.1	
29	ACB	IPG	00 14 13.1				47	349	.1	
29	ACA	IPG	00 14 13.3				48	352	.1	
29	ACF	IPG	00 14 14.3				55	344	.2	
29	AND	IPGC	00 14 14.7				50	342	.0	
29	ANA	IPGC	00 14 16.8				75	329	.1	
29	SSI	IPG	00 14 20.3				97	15	.4	
29	RAT	IPG	00 14 20.7				104	324	-.0	QS
		E(S)	00 14 33.1						-.3	
29	AMA	IPG	00 14 22.6	106.0	.1	4.18	120	77	-.1	POOR TAMP

29	0 32	4.57	51.10 N 179.33 E	DEPTH = 41.0 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										

29	ASB	EPG	00 32 12.7	5.0	.1	2.48	29	349	.1	
		ES	00 32 18.6						.1	
29	ASD	EPG	00 32 13.0	4.5	.1	2.45	32	2	.1	
29	ASC	EPG	00 32 13.7				42	344	-.2	QP
29	AND	EPG	00 32 16.0				57	333	.2	

29	ASB	EPG	00 35 1.2	4.5	.1	2.47				
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JUL 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
		ES	00 35 7.2							
29	ASD	EPG	00 35 1.4	2.7	.1	2.26				
.....										
29	0 56 18.60		51.06 N 179.33 E	DEPTH = 40.8 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
29	ASB	IPG	00 56 27.1	6.5	.1	2.62	34	350	-.0	
		ES	00 56 33.3						-.0	
29	ASD	IPG	00 56 27.4	3.5	.1	2.36	37	1	-.0	
29	ACE	EPG	00 56 27.7				43	344	.0	
29	ACD	EPG	00 56 28.1				43	342	-.0	
.....										
29	0 58 1.89		50.95 N 179.16 E	DEPTH = 25.0 KM			FIXED DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
29	ASB	IPG	00 58 10.6	55.1	.2	3.25	46	7	.1	
		IS	00 58 16.7						-.1	
29	ASD	IPG	00 58 10.9	14.1	.1	2.99	51	14	-.2	
29	ACE	EPG	00 58 11.1				50	1	.0	
29	ACD	EPG	00 58 11.7				53	358	.2	
29	ASC	EPG	00 58 12.2				57	0	.1	
29	ACB	EPG	00 58 12.2				57	355	.1	
29	ACA	EPG	00 58 12.6				59	357	.2	
29	ACF	EPG	00 58 13.3				65	350	.1	
29	AND	EPG	00 58 13.8				70	348	-.1	
29	SSI	EP	00 58 19.7	5.0	.1	2.80	109	16	-.1	QP
29	RAT	EP	00 58 19.9	1.9	.1	2.39	111	329	-.1	
.....										
29	ASB	EPG	01 05 46.4	2.0	.1	2.11				QP
		ES	01 05 52.2							
29	ASD	EPG	01 05 46.9	1.1	.1	1.88				QP
.....										
29	1 8 5.15		51.21 N 179.47 E	DEPTH = 50.0 KM			FIXED DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
29	ASB	EPG	01 08 13.1	4.2	.1	2.45	23	318	-.5	
		ES	01 08 19.1						-.7	
29	ASD	EPG	01 08 13.5	5.6	.1	2.57	22	337	-.1	
29	ACE	EPG	01 08 13.6				30	316	-.5	
29	ACB	EPG	01 08 14.9				39	317	.1	
.....										
29	1 29 15.09		51.79 N 179.99 E	DEPTH = 103.3 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
29	SSI	EP	01 29 29.9	11.2	.1	3.14	30	292	-.1	
29	ASD	EP	01 29 31.4	6.0	.1	2.91	63	225	-.4	
		ES	01 29 44.0						-.0	
29	ASB	EP	01 29 32.1	15.8	.1	3.35	70	227	-.2	
		ES	01 29 45.0						.1	
29	ASC	EP	01 29 32.3				68	238	.2	
29	ACA	EP	01 29 32.3				69	240	.0	
29	ACE	EP	01 29 32.4				71	233	-.0	
29	ACD	EP	01 29 32.5				72	236	.1	
29	ACB	EP	01 29 32.6				72	240	.1	
29	AND	EP	01 29 32.7				76	251	-.1	
29	ACF	EP	01 29 32.8				75	247	.1	
29	AMA	E(P)	01 29 33.5	5.5	.1	2.92	84	132	.1	
29	RAT	IP C	01 29 36.2	10.1	.1	3.23	114	271	-.0	

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JUL 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
29	1	47	38.15	51.09 N	179.25 E	DEPTH = 39.6 KM	MB = 3.5			FREE DEPTH SOLUTION
				RAT ISLANDS, ALEUTIAN ISLANDS						
29	ASB	IPGD	01 47 45.9				30	0	-0.2	CLIPPED
29	ASD	IPGD	01 47 46.2				34	11	-0.3	WHITE OUT
29	ACE	EPG	01 47 46.5				35	351	-0.1	
29	ACD	EPG	01 47 47.0				38	348	.1	
29	ASC	IPGD	01 47 47.5				41	352	.2	NO S. VISIBLE
29	ACB	EPG	01 47 47.5				42	345	.1	
29	ACA	EPG	01 47 47.7				44	348	.1	
29	ACF	EPG	01 47 48.7				51	340	.2	
29	AND	IPGD	01 47 49.2				56	339	.1	
29	ANA	IPGD	01 47 51.2				72	326	-0.0	
29	RAT	IPG	01 47 55.0				101	321	-0.1	QS
		E(S)	01 48 7.3						-0.1	
29	AMA	IPGD	01 47 57.1				117	79	.1	
29	2	3	5.36	50.99 N	179.20 E	DEPTH = 35.4 KM				FREE DEPTH SOLUTION
				RAT ISLANDS, ALEUTIAN ISLANDS						
29	ASB	IPGD	02 03 14.0	85.8	.1	3.75	41	5	-0.1	
		ES	02 03 20.1						-0.3	
29	ASD	IPGD	02 03 14.4				45	13	-0.2	
29	ACE	EPG	02 03 14.6				45	358	-0.0	
29	ACD	EPG	02 03 15.1				49	355	.1	
29	ASC	IPGD	02 03 15.5				52	358	-0.0	
29	ACB	EPG	02 03 15.7				53	352	.1	
29	ACA	EPG	02 03 16.0				55	354	.2	
29	ACF	EPG	02 03 16.8				61	347	.1	
29	AND	IPGD	02 03 17.3				66	345	.0	
29	ANA	IPGD	02 03 19.4				80	332	.1	
29	SSI	EP	02 03 22.9	85.4	.1	4.03	104	15	.1	QS
		ES	02 03 35.5						.2	
29	RAT	EP	02 03 23.3	32.8	.1	3.63	108	326	-0.1	QS
		ES	02 03 36.1						-0.4	
29	AMA	EP	02 03 25.2	17.3	.2	3.09	123	74	-0.1	
29	2	3	58.55	51.10 N	179.30 E	DEPTH = 43.0 KM				FREE DEPTH SOLUTION
				RAT ISLANDS, ALEUTIAN ISLANDS						
29	ASB	EPG	02 04 6.9	5.9	.1	2.56	29	353	.0	
		ES	02 04 12.9						.0	
29	ASD	EPG	02 04 7.2	4.1	.1	2.42	32	5	.0	
29	ACE	EP	02 04 7.4				34	345	.0	
29	2	12	22.35	50.97 N	179.17 E	DEPTH = 25.0 KM				FIXED DEPTH SOLUTION
				RAT ISLANDS, ALEUTIAN ISLANDS						
29	ASB	IPGD	02 12 31.3	26.2	.1	3.21	44	7	.1	
		IS	02 12 37.4						.1	
29	ASD	IPGD	02 12 31.6	15.3	.1	3.01	49	15	-0.3	
29	ACE	EPG	02 12 31.9				48	1	.1	
29	ACD	E(P)	02 12 32.5				52	358	.3	QP
29	ASC	EPG	02 12 32.7				55	360	-0.1	
29	ACB	EPG	02 12 32.9				56	355	.1	
29	ACA	EPG	02 12 33.3				58	357	.2	
29	ACF	EPG	02 12 34.1				64	349	.1	
29	AND	EPG	02 12 34.6				68	347	-0.0	
29	ANA	EPG	02 12 36.5				82	335	-0.1	
29	SSI	EP	02 12 40.4	7.3	.1	2.96	107	16	-0.1	
		ES	02 12 53.1						-0.2	
29	RAT	EP	02 12 40.6	3.1	.1	2.60	110	328	-0.2	

JUL 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG (KM)	AZI (DEG)	RES (SEC)	REMARKS
29	2 17	45.02	50.98 N 179.13 E	DEPTH = 19.2 KM			FREE DEPTH SOLUTION		
			RAT ISLANDS, ALEUTIAN ISLANDS						
29	ASB	IPGD	02 17 52.9	24.8	.1	3.16	43	11	-.0
		ES	02 17 58.7						.0
29	ASD	IPGD	02 17 53.3	19.5	.1	3.09	48	18	-.4
29	ACE	EPG	02 17 53.6				47	4	.1
29	ASC	EPG	02 17 54.5				54	3	.0
29	ACB	EPG	02 17 54.6				54	357	.1
29	ACA	EPG	02 17 54.9				56	359	.1
29	ACF	EPG	02 17 55.8				62	351	.2
29	AND	EPG	02 17 56.2				66	349	-.1
29	ANA	EPG	02 17 58.3				79	336	.0
29	SSI	EPG	02 18 2.0	15.5	.1	3.28	107	17	-.4
		ES	02 18 15.4						.3
29	RAT	EPG	02 18 2.5	7.3	.1	2.96	107	329	.0
29	AMA	EPG	02 18 5.8	8.4	.2	2.78	128	74	.2
									POOR TAMP
29	2 18	25.08	51.45 N 179.86 E	DEPTH = 0.0 KM			FIXED DEPTH SOLUTION		
			RAT ISLANDS, ALEUTIAN ISLANDS						
29	ASB	IPGD	02 18 28.1	5.4	.1	2.47	44	257	.0
		IS	02 18 33.9						.0
29	ACE	EPG	02 18 28.8				48	264	-.1
29	AND	EPG	02 18 31.8				64	282	.0
29	2 24	50.54	50.98 N 179.18 E	DEPTH = 25.0 KM			FIXED DEPTH SOLUTION		
			RAT ISLANDS, ALEUTIAN ISLANDS						
29	ASB	IPG	02 24 58.7	14.3	.1	2.94	43	6	.0
		ES	02 25 4.5						-.1
29	ASD	EPG	02 24 59.0	6.9	.1	2.65	47	13	-.3
29	ACE	EPG	02 24 59.4				47	359	.1
29	ACB	EPG	02 25 .6				54	353	.3
29	AND	EPG	02 25 2.0				67	346	-.2
29	SSI	EPG	02 25 8.1	4.4	.1	2.74	106	15	.2
		ES	02 25 20.6						.1
29	2 28	57.81	50.98 N 179.19 E	DEPTH = 25.4 KM			FREE DEPTH SOLUTION		
			RAT ISLANDS, ALEUTIAN ISLANDS						
29	ASB	IPGD	02 29 5.9	16.7	.1	3.00	43	5	-.1
		ES	02 29 11.6						-.3
29	ASD	IPGD	02 29 6.2	10.4	.1	2.83	47	13	-.4
29	ACD	EPG	02 29 7.0				50	356	-.0
29	ASC	EPG	02 29 7.5				54	358	-.0
29	ACB	EPG	02 29 7.5				54	352	.1
29	ACE	EPG	02 29 7.5				47	358	.9
29	ACA	EPG	02 29 7.9				56	355	.0
29	ACF	EPG	02 29 8.9				62	347	.1
29	AND	EPG	02 29 9.4				67	346	-.0
29	ANA	EPG	02 29 11.3				81	333	-.2
29	SSI	EP	02 29 15.2	12.0	.1	3.17	105	15	.1
		ES	02 29 27.8						.1
29	RAT	EP	02 29 15.6	4.9	.1	2.80	109	327	-.1
29	AMA	EP	02 29 17.8	7.4	.2	2.72	123	73	-.1
									POOR TAMP
									QP

JUL 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
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29	2	39	16.33	51.40 N	179.26 E	DEPTH = 0.0 KM	FIXED DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
29	ASB	EPG	02 39 17.1	8.6	.1	1.78	5	192	-.5	
		ES	02 39 23.0						4.5	
29	ASD	EPG	02 39 17.4	6.9	.1	1.77	6	101	-.5	
29	ACE	EPG	02 39 17.7				6	270	-.3	
29	ACA	E(P)	02 39 19.2				13	312	-.3	QP
29	ACF	E(P)	02 39 19.9				23	307	-1.4	

29	ASB	EPG	03 00 37.8	2.4	.1	2.19				
		ES	03 00 43.6							
29	ACE	EP	03 00 38.6							

29	3	8	49.55	51.74 N	178.78 E	DEPTH = 88.8 KM	FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
29	ANA	EPG	03 09 2.4				15	212	.2	
29	AND	EPG	03 09 2.6				24	149	.1	
		IS	03 09 12.0						.1	
29	RAT	IPG	03 09 2.7	35.3	.1	3.58	32	281	-.1	
		ES	03 09 12.4						-.1	
29	ACB	EPG	03 09 3.1				38	145	-.0	
29	ACA	EPG	03 09 3.2				38	141	.1	
29	ACD	EPG	03 09 3.5				43	145	.1	
29	ACE	EPG	03 09 3.5				47	144	-.2	
29	ASB	EPG	03 09 4.0	2.2	.1	2.41	54	143	-.1	
		ES	03 09 14.6						-.1	
29	ASD	EPG	03 09 4.3	2.1	.1	2.40	55	135	.1	
29	SSI	IPG	03 09 4.4	15.5	.1	3.27	58	73	-.0	
		ES	03 09 15.3						.0	

29	ASB	EPG	03 23 16.2	3.9	.1	2.41				
		ES	03 23 22.1							
29	ASD	EPG	03 23 16.6	2.8	.1	2.28				
29	ACE	EPG	03 23 16.9							
29	ASB	EPG	03 28 55.6	9.6	.1	2.82				
		ES	03 29 1.8							
29	ASD	EPG	03 28 55.9	5.3	.1	2.57				
29	ACE	EPG	03 28 56.1							
29	ACB	EPG	03 28 57.4							
29	RAT	EPN	03 39 9.9							REGIONAL
		EP	03 39 15.4	48.9	.3					
		E(S)	03 39 48.5							

29	4	6	29.27	51.01 N	179.17 E	DEPTH = 25.5 KM	FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
29	ASB	IPG	04 06 37.1	39.8	.1	3.36	40	8	.1	QTAMP
		ES	04 06 42.5						-.2	
29	ASD	IPG	04 06 37.4	38.2	.1	3.38	44	15	-.3	
29	ACE	EPG	04 06 37.7				44	0	.1	
29	ASC	EPG	04 06 38.1				51	359	-.4	
29	ACD	EPG	04 06 38.3				47	357	.3	QP
29	ACB	EPG	04 06 38.7				51	354	.1	
29	ACA	EPG	04 06 39.1				53	356	.2	
29	ACF	EPG	04 06 39.9				59	348	.2	
29	AND	IPG	04 06 40.4				64	346	-.0	
29	ANA	IPG	04 06 42.4				78	333	-.1	
29	SSI	EPG	04 06 46.2	26.6	.1	3.51	103	16	-.0	QS
		ES	04 06 58.6						.1	
29	RAT	EP	04 06 46.5				106	327	-.2	

JUL 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
29	AMA	E(P)	04 06 49.4	8.9	.2	2.80	124	75	.0	QP
29	4 41	59.95	51.06 N 179.36 E	DEPTH = 36.3 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
29	ASB	IPGD	04 42 8.0	6.8	.1	2.62	35	347	-.0	
		ES	04 42 13.9						-.0	
29	ASD	EPG	04 42 8.3	4.1	.1	2.41	37	358	-.0	
29	ACE	EPG	04 42 8.7				40	341	.0	
29	ACF	EPG	04 42 10.9				58	334	-.0	
29	5 1	17.29	50.95 N 179.27 E	DEPTH = 19.1 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
29	ASB	IPGD	05 01 25.6	24.9	.1	3.18	45	358	.1	
		ES	05 01 31.5						.0	
29	ASD	EPG	05 01 25.9	14.1	.1	2.96	49	6	-.1	
29	ACE	IPGD	05 01 26.2				50	352	-.0	
29	ACD	EPG	05 01 26.8				54	350	.1	
29	ASC	EPG	05 01 27.2				57	353	-.0	
29	ACB	EPG	05 01 27.3				58	348	-.1	
29	SSI	EPG	05 01 34.8	7.3	.1	2.96	107	12	.1	
		ES	05 01 47.4						-.0	
29	ASB	IPGD	05 05 11.8	30.7	.1	3.70				
		ES	05 05 27.8							
29	ASD	IPGD	05 05 12.1	28.0	.1	3.66				
29	ACE	IPGD	05 05 12.4							
29	ASC	IPG	05 05 13.4							
29	ACB	EPG	05 05 13.4							
29	ACA	EPG	05 05 13.9							
29	ACF	EPG	05 05 14.6							
29	AND	EPG	05 05 15.0							
29	ANA	EPG	05 05 17.1							
29	SSI	EPG	05 05 21.1	9.8	.1	3.10				QS
		ES	05 05 33.4							
29	ASB	IPGD	05 29 31.3	7.8	.1	2.70				
		ES	05 29 37.1							
29	ASD	EPG	05 29 31.7	2.9	.1	2.30				
29	ACE	EPG	05 29 32.0							
29	ACB	EPG	05 29 33.2							
29	5 43	44.86	51.00 N 179.17 E	DEPTH = 26.2 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
29	ASB	IPGD	05 43 52.7	29.4	.1	3.24	40	8	-.0	
		ES	05 43 58.5						.0	
29	ASD	IPGD	05 43 53.1	28.8	.1	3.26	45	16	-.3	
29	ACE	EPG	05 43 53.4				44	1	.1	
29	ASC	EPG	05 43 54.3				51	360	.1	
29	ACB	EPG	05 43 54.3				51	354	.0	
29	ACA	EPG	05 43 54.8				53	356	.3	
29	ACF	EPG	05 43 55.5				59	348	.1	
29	AND	EPG	05 43 55.9				64	347	-.2	
29	ANA	EPG	05 43 58.0				78	333	-.1	QP
29	SSI	EP	05 44 2.0	9.5	.1	3.06	103	16	.1	QS
		ES	05 44 14.2						-.1	

JUL 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
29	5 48	55.53	50.99 N 179.16 E	DEPTH = 25.0 KM			FIXED DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
29	ASB	IPGD	5 49 3.6	73.3	.1	3.64	42	9	.1	
		ES	5 49 9.5						.2	
29	ASD	IPGD	5 49 3.9	75.5	.1	3.69	46	16	-.3	
29	ACE	EPG	5 49 4.2				46	1	.1	
29	ACD	EPG	5 49 4.7				49	358	.2	
29	ASC	IPGD	5 49 5.1				52	1	.1	
29	ACB	EPG	5 49 5.2				53	355	.1	
29	ACA	EPG	5 49 5.5				55	357	.2	
29	ACF	EPG	5 49 6.4				51	349	.2	
29	AND	IPGD	5 49 6.8				65	348	-.1	
29	ANA	EPG	5 49 8.7				79	334	-.2	
29	SSI	EPG	5 49 12.6	31.5	.1	3.59	105	17	-.2	
		ES	5 49 25.3						-.3	
29	RAT	EPG	5 49 12.8				107	328	-.2	
29	5 49	37.95	51.96 N 179.31 E	DEPTH = 25.0 KM			FIXED DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
29	ASB	EPG	5 49 46.4	9.5	.1	2.78	45	355	-.0	POOR TAMP
		ES	5 49 52.5						.0	
29	ASD	EPG	5 49 46.9	7.3	.1	2.68	48	3	.0	POOR TAMP
29	ACE	EPG	5 49 47.3				50	349	.2	
29	6 18	27.51	50.97 N 179.45 E	DEPTH = 42.5 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
29	ASB	EPG	6 18 37.4	8.4	.1	2.79	45	342	.0	
		ES	6 18 44.5						.0	
29	ASD	EPG	6 18 37.5	7.1	.1	2.73	47	351	.0	
29	ACE	EPG	6 18 38.1				51	338	.0	
29	6 23	25.49	51.02 N 179.29 E	DEPTH = 36.8 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
29	ASB	EPG	6 23 34.0	5.5	.1	2.55	38	356	-.0	
		ES	6 23 40.2						-.0	
29	ASD	EPG	6 23 34.4	4.3	.1	2.46	42	5	-.0	
29	ACE	EPG	6 23 34.6				43	349	-.0	
29	7 1	13.06	50.64 N 177.01 E	DEPTH = 0.0 KM			FIXED DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
29	RAT	EP	7 01 35.9	14.8	.1	3.41	158	35	-.5	
		ES	7 01 55.7						.1	
29	ANA	IP C	7 01 36.9				159	46	.3	
29	AND	EP	7 01 38.6				170	52	.4	
29	ACE	EP	7 01 38.7				173	60	-.0	
29	ASB	EP	7 01 39.0	18.9	.1	3.56	176	62	-.1	
		ES	7 01 59.9						-.3	
29	ASD	EP	7 01 40.1	4.9	.1	2.99	183	62	-.1	
29	SSI	IP C	7 01 46.6	188.1	.3		227	51	.0	
		IS	7 02 13.6						.4	

JUL 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
29	7 47	57.25	51.83 N 178.99 E	DEPTH = 124.2 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
29	AND	EP	07 48 14.6				30	185	-.0	
29	ANA	EP	07 48 14.7				32	225	.0	
29	RAT	IP	07 48 15.2	5.3	.1	2.89	46	265	-.0	
29	ASD	EP	07 48 15.7	6.9	.1	3.02	55	153	.0	
29	ASB	EP	07 48 15.7	3.1	.1	2.67	56	161	-.0	
29	7 56	20.32	50.98 N 179.18 E	DEPTH = 27.3 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
29	ASB	EPGD	07 56 28.5	5.0	.1	2.49	42	6	-.0	
		ES	07 56 34.4						-.1	
29	ASD	EPG	07 56 29.0	8.8	.1	2.76	47	14	-.1	
29	ACE	EPG	07 56 29.2				46	359	.1	
29	ACB	EPG	07 56 30.4				54	353	.3	
29	AND	EPG	07 56 31.9				66	346	-.0	
29	ANA	E(P)	07 56 33.8				80	333	-.1	
29	SSI	IP	07 56 37.6	8.2	.1	3.01	105	16	-.0	
		ES	07 56 50.3						.0	
29	RAT	EP	07 56 38.1	4.2	.1	2.73	108	327	-.0	
29	8 16	6.29	51.51 N 178.76 E	DEPTH = 22.2 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
29	ACB	EPG	08 16 11.6				23	104	-.1	
29	ACD	EPG	08 16 12.3				27	110	.1	
29	ACE	EPG	08 16 12.6				31	114	-.0	
29	ASB	EPG	08 16 13.5	2.6	.1	2.15	38	117	-.0	
		ES	08 16 18.8						-.0	
29	ASD	EPG	08 16 14.2	3.8	.1	2.34	42	109	.0	
29	8 47	7.92	52.23 N 179.40 W	DEPTH = 225.9 KM			FREE DEPTH SOLUTION			
			DELAROF ISLANDS, ALEUTIAN ISLANDS							
29	ASD	EP	08 47 41.5	3.2	.1	2.94	127	223	-.1	
29	ASB	EP	08 47 42.1	3.9	.1	3.03	134	225	.0	
		E(S)	08 48 7.0						-.0	
29	AND	EP	08 47 42.3				135	238	.2	
29	ANA	EP	08 47 43.1				149	244	.0	
29	RAT	EP	08 47 44.0	4.0	.1	3.07	162	254	-.1	
29	8 55	56.82	50.92 N 179.20 E	DEPTH = 25.0 KM			FIXED DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
29	ASB	EPG	08 56 6.0	10.4	.2	2.54	49	4	.1	NO S VISIBLE
29	ASD	EPG	08 56 6.3	6.4	.1	2.66	54	11	-.2	
29	ACE	EPG	08 56 6.6				54	358	.1	
29	SSI	EP	08 56 15.2	6.0	.1	2.89	112	14	.1	QP
		ES	08 56 28.4						.0	
29	RAT	IPGC	09 17 58.8	7.9	.1	2.84				
		ES	09 18 6.9							
29	ANA	EP	09 17 59.5							
		ES	09 18 7.9							
29	AND	EP	09 18 2.4							QP
29	SSI	EP	09 18 11.0	9.3	.1					QP

JUL 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
29	9 49	20.93	51.51 N 179.49 W	DEPTH =		0.0 KM	FIXED DEPTH SOLUTION			
DEAROF ISLANDS, ALEUTIAN ISLANDS										
29	AMA	IPG	09 49 27.3	17.8	.1	2.91	36	133	-.2	QTAMP
		ES	09 49 32.2						-.1	
29	SSI	EPG	09 49 34.8	8.0	.1	2.86	77	304	-.0	
		ES	09 49 44.3						-.7	
29	ASD	EP	09 49 36.0	6.3	.1	2.78	82	261	.2	QP
29	ASB	EP	09 49 36.6	7.8	.1	2.91	89	260	-.3	
		ES	09 49 48.0						-.5	
29	AND	E(P)	09 49 40.7				108	274	1.0	
29	RAT	EP	09 49 47.0	3.9	.1	2.82	154	283	.3	
		ES	09 50 5.0						-.4	
.....										
29	ASB	EPG	10 46 56.2	7.7	.1	2.75				
		ES	10 47 2.9							
29	ASD	EPG	10 46 56.4	6.4	.1	2.68				
29	ACE	EPG	10 46 56.8							
29	ACB	EPG	10 46 58.0							
.....										
29	10 50	22.56	50.91 N 179.13 E	DEPTH =		31.1 KM	FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
29	ASB	IPGD	10 50 32.2	209.4	.1	4.18	51	9	-.0	WHITE OUT
29	ASD	IPGD	10 50 32.6				56	16	-.3	QDIR
29	ACE	IPG	10 50 32.8				55	3	.0	
29	ACD	IPG	10 50 33.3				58	1	.1	
29	ASC	IPGC	10 50 33.7				62	2	-.0	
		ES	10 50 41.8						-.1	
29	ACB	IPG	10 50 33.9				62	358	.2	
29	ACA	EPG	10 50 34.1				64	360	.1	
29	ACF	IPG	10 50 34.9				70	352	.1	
29	AND	IPGD	10 50 35.4				74	351	-.0	
29	ANA	IPGD	10 50 37.3				86	338	.1	
		ES	10 50 48.0						.1	
29	RAT	IPG	10 50 41.0	78.5	.2	3.72	114	331	-.3	
29	SSI	IPG	10 50 41.2				114	16	-.2	WHITE OUT
29	AMA	EPG	10 50 43.9	20.9	.2	3.19	130	70	.1	
.....										
29	10 59	22.35	51.09 N 179.27 E	DEPTH =		39.2 KM	FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
29	ASB	IPGD	10 59 30.3	10.7	.1	2.81	31	357	-.0	
		ES	10 59 36.1						-.0	
29	ASD	EPG	10 59 30.6	7.5	.1	2.68	34	8	-.1	
29	ACE	EPG	10 59 30.9				36	349	.1	
29	ACB	EPG	10 59 32.0				44	343	.2	
29	AND	EPG	10 59 33.5				57	337	.0	
29	ANA	EPG	10 59 35.5				74	325	-.1	
.....										
29	11 21	45.06	51.02 N 179.22 E	DEPTH =		34.3 KM	FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
29	ASB	IPGD	11 21 53.3	325.0	.1	4.31	38	2	-.1	
		ES	11 21 58.9						-.5	
29	ASD	IPGD	11 21 53.6				43	11	-.3	
29	ACE	IPG	11 21 54.0				43	355	.1	
29	ACD	IPG	11 21 54.4				46	352	.0	
29	ASC	IPGC	11 21 54.9				50	355	.1	
29	ACB	IPG	11 21 54.9				51	349	-.0	
29	ACA	IPG	11 21 55.1				52	352	-.0	
29	ACF	IPG	11 21 56.1				59	344	.1	

JUL 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
29	ACC	EPG	11 21 56.5				54	346	1.2	
29	AND	IPGD	11 21 56.6				64	343	-1	
29	ANA	IPGD	11 21 58.6				79	330	-2	
29	SSI	IPG	11 22 2.2				101	14	.2	
29	RAT	IPG	11 22 2.5	90.9	.2	3.76	107	325	-4	WHITE OUT POOR TAMP
29	AMA	EPG	11 22 4.7	76.3	.2	3.73	120	75	-1	
29	11 36 54.56	50.98 N 179.20 E DEPTH = 22.9 KM RAT ISLANDS, ALEUTIAN ISLANDS								FREE DEPTH SOLUTION
29	ASB	EPG	11 37 2.6	8.8	.1	2.71	42	5	.1	
		IS	11 37 8.2						-1	
29	ASD	EPG	11 37 3.1	7.4	.1	2.67	47	12	-0	
29	ACE	EPG	11 37 3.3				47	358	.1	
29	ACB	EPG	11 37 4.3				54	352	.1	
29	AND	EPG	11 37 6.0				67	345	-1	
29	SSI	EP	11 37 11.7				105	15	-1	
		ES	11 37 24.5						.2	
29	11 39 48.57	50.96 N 179.19 E DEPTH = 23.1 KM RAT ISLANDS, ALEUTIAN ISLANDS								FREE DEPTH SOLUTION
29	ASB	IPGD	11 39 56.9	17.2	.1	3.02	44	5	.1	
		ES	11 40 2.7						-1	
29	ASD	IPG	11 39 57.2	10.6	.1	2.84	49	13	-2	
29	ACE	EPG	11 39 57.5				49	359	.1	
29	ASC	EPG	11 39 58.4				56	358	-0	
29	ACB	EPG	11 39 58.7				56	353	.2	
29	ACF	EPG	11 39 59.8				64	348	.1	
29	AND	EPG	11 40 .2				69	346	-1	
29	ANA	EPG	11 40 2.5				82	334	.1	
29	SSI	EPG	11 40 6.1	8.2	.1	3.01	107	15	.0	
		ES	11 40 18.9						.0	
29	RAT	EPG	11 40 6.4	3.0	.1	2.58	110	328	-2	
29	11 58 4.73	51.01 N 179.22 E DEPTH = 25.6 KM RAT ISLANDS, ALEUTIAN ISLANDS								FREE DEPTH SOLUTION
29	ASB	EPG	11 58 12.6	10.4	.1	2.78	40	3	.1	
		ES	11 58 18.1						.0	
29	ASD	EPG	11 58 12.9	6.2	.1	2.58	44	12	-1	
29	ACE	EPG	11 58 13.1				44	356	.0	
29	ACB	EPG	11 58 14.1				52	350	-0	
29	AND	EPG	11 58 16.0				65	344	-0	
29	SSI	EPG	11 58 21.6	7.6	.1	2.96	102	15	.0	
29	12 50 9.14	50.97 N 179.18 E DEPTH = 26.9 KM RAT ISLANDS, ALEUTIAN ISLANDS								FREE DEPTH SOLUTION
29	ASB	IPGD	12 50 17.6	24.5	.1	3.18	44	6	.0	
		IS	12 50 23.7						-0	
29	ASD	IPGD	12 50 17.9	17.6	.1	3.07	49	13	-3	
29	ACE	EPG	12 50 18.2				48	359	.0	
29	ACD	EPG	12 50 18.8				52	356	.2	
29	ASC	EPG	12 50 19.2				55	359	.1	
29	ACB	EPG	12 50 19.3				56	353	.1	
29	ACF	EPG	12 50 20.4				64	348	.1	
29	AND	IPG	12 50 20.9				68	346	-1	
29	SSI	EPG	12 50 26.8	11.5	.1	3.16	107	15	.1	
		ES	12 50 39.5						-0	
29	RAT	EPG	12 50 27.1	3.0	.1	2.59	110	328	-1	

JUL 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
29	13	2	4.76	50.94 N	179.29 E	DEPTH = 23.3 KM				FREE DEPTH SOLUTION
				RAT ISLANDS, ALEUTIAN ISLANDS						
29	ASB	IPGD	13 02 13.5	15.0	.1	2.98	47	357	.1	
		IS	13 02 19.7						-.0	
29	ASD	EPG	13 02 13.8	10.4	.1	2.84	51	4	-.1	
29	ACE	EPG	13 02 14.1				52	351	-.0	
29	ACD	EPG	13 02 14.7				56	349	.1	
29	ASC	EPG	13 02 15.1				59	352	-.0	
29	ACB	EPG	13 02 15.2				60	347	-.1	
29	SSI	EPG	13 02 22.5	9.9	.1	3.09	108	11	.0	POOR TAMP
29	13	25	36.55	51.04 N	179.84 W	DEPTH = 17.7 KM				FREE DEPTH SOLUTION
				DELAROF ISLANDS, ALEUTIAN ISLANDS						
29	AMA	IPG	13 25 46.8	16.8	.1	3.09	58	62	.2	
		ES	13 25 53.6						-.3	
29	ASD	EPG	13 25 48.3	9.4	.1	2.90	69	304	.0	
29	ASB	EPG	13 25 48.8	10.9	.2	2.68	73	299	-.0	
		ES	13 25 57.8						.0	
29	SSI	EPG	13 25 53.3	19.9	.1	3.37	103	337	-.0	QP
		IS	13 26 5.7						.1	
29	AND	EPG	13 25 53.7				102	305	.5	QP
29	ANA	EP	13 25 56.3				123	302	-.1	QP
29	RAT	E(P)	13 26 .5	4.9	.1	2.92	152	304	-.4	
29	13	26	31.35	51.04 N	179.82 W	DEPTH = 29.6 KM				FREE DEPTH SOLUTION
				DELAROF ISLANDS, ALEUTIAN ISLANDS						
29	AMA	IPG	13 26 42.0	29.1	.2	3.04	57	61	.3	QS
		ES	13 26 48.6						-.6	
29	ASD	EPG	13 26 43.5				70	304	-.1	
29	ASB	EPG	13 26 43.9				74	299	-.3	
29	AND	EPG	13 26 48.8				103	305	.3	
29	SSI	EPG	13 26 48.9	19.9	.1	3.39	103	337	.4	QP
		ES	13 27 .8						-.2	
29	RAT	EP	13 26 55.5	13.6	.2	3.07	154	304	-.2	QP
29	13	35	51.86	50.96 N	179.18 E	DEPTH = 36.3 KM MB = 3.5				FREE DEPTH SOLUTION
				RAT ISLANDS, ALEUTIAN ISLANDS						
29	ASB	IPGD	13 36 1.0				45	6	-.1	OL
29	ASD	IPGD	13 36 1.4				49	13	-.3	OL
29	ACE	IPGD	13 36 1.5				49	359	-.0	
29	ACD	IPG	13 36 2.1				52	357	.1	
29	ASC	IPGD	13 36 2.6				56	359	.1	OL
29	ACB	EPG	13 36 2.7				56	354	.1	
29	ACA	IPG	13 36 2.8				58	356	-.0	
29	ACF	IPGD	13 36 3.8				64	348	.1	
29	AND	IPGD	13 36 4.3				69	347	.0	OL
29	ANA	IPGD	13 36 6.3				82	334	.1	OL
29	SSI	IPGD	13 36 9.9				107	15	.1	OL
29	RAT	IPGD	13 36 10.1				110	328	-.1	OL
29	AMA	IPGD	13 36 12.1				125	72	.1	QD1R. OL
29	ADK	EP	13 36 35.9				305	69	1.7	
		ES	13 37 8.0						2.8	
29	SHY	IP	13 36 51.0				401	301	4.9	
29	GMA	EP	13 39 52.5				1972	27	-7.5	
29	ASB	EPG	13 39 35.3	4.8	.1	2.50				
		ES	13 39 41.3							

JUL 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
29	ACE	EPG	13 39 35.8							
29	ASD	EPG	13 39 35.9	6.6	.1	2.67				
29	ACB	EPG	13 39 37.0							QP
.....										
29	13 48 20.31		50.98 N 179.17 E	DEPTH = 25.0 KM				FIXED DEPTH SOLUTION		
			RAT ISLANDS, ALEUTIAN ISLANDS							
29	ASB	EPG	13 48 28.4	8.0	.1	2.69	43	7	-.1	
		ES	13 48 34.4						-.1	
29	ASD	EPG	13 48 28.9	3.9	.1	2.41	48	15	-.2	
29	ACE	EPG	13 48 29.0				47	0	-.1	
		ES	13 48 35.7						.2	
29	ACB	EPG	13 48 30.1				54	354	.0	
29	AND	EPG	13 48 32.1				67	347	.2	
29	SSI	EPG	13 48 38.2	8.0	.1	3.00	106	16	.5	
.....										
29	15 50 37.89		50.99 N 179.20 E	DEPTH = 25.0 KM				FIXED DEPTH SOLUTION		
			RAT ISLANDS, ALEUTIAN ISLANDS							
29	ASB	IPG	15 50 45.9	11.8	.1	2.85	41	5	.0	
		ES	15 50 51.5						-.2	
29	ASD	EPG	15 50 46.2	11.8	.1	2.87	46	13	-.3	
29	ACE	IPG	15 50 46.5				46	358	.0	
29	ACD	EPG	15 50 47.1				49	355	.2	
29	ASC	EPG	15 50 47.3				53	358	-.1	
29	ACB	EPG	15 50 47.7				53	352	.2	
29	ACA	EPG	15 50 48.2				55	354	.4	
29	ACF	EPG	15 50 48.8				61	347	.1	
29	AND	EPG	15 50 49.4				66	345	.0	
29	ANA	EPG	15 50 51.2				80	332	-.2	
29	SSI	IPG	15 50 54.9	9.5	.1	3.06	104	15	-.1	
		ES	15 51 7.5						-.0	
29	RAT	EPG	15 50 55.5	4.6	.1	2.77	108	327	-.2	
.....										
29	16 11 40.00		51.42 N 177.44 W	DEPTH = 42.0 KM MB = 4.2				TELESEISMIC SOLUTION		
			ANDREANOF ISLANDS, ALEUTIANS ISLANDS							
29	ADK	EP	16 11 54.0				73	45	.6	0.00
		ES	16 12 4.6						1.4	
29	AMA	IPND	16 11 57.1				117	264	-2.5	
		EP	16 11 59.8	126.7	.1	4.25				
29	SSI	IP	16 12 11.0	106.9	.2		212	286	-2.7	
29	ASD	EPN	16 12 12.1				224	270	-3.3	
		EP	16 12 19.9	118.9	.2					
29	ASB	EP	16 12 13.0				230	270	-3.4	QS
		E(S)	16 12 40.5						-2.4	
29	ASC	EP	16 12 13.8				236	272	-3.4	
29	AND	EP	16 12 16.0				251	275	-3.5	
29	ANA	EP	16 12 18.9				271	276	-3.7	
29	RAT	EP	16 12 22.0	74.4	.3		296	280	-4.2	
29	NIK	EP	16 13 3.0				611	70	-10.8	
29	SMY	EP	16 13 24.7				597	287	13.0	
.....										
29	16 42 14.39		51.85 N 179.75 W	DEPTH = 103.4 KM				FREE DEPTH SOLUTION		
			DELAROF ISLANDS, ALEUTIAN ISLANDS							
29	SSI	EP	16 42 29.9	20.0	.1	3.41	46	277	-.1	
29	ASD	EP	16 42 32.2	7.4	.1	3.04	80	231	-.2	
		ES	16 42 45.3						-.3	
29	AMA	E(P)	16 42 32.2	7.1	.2	2.71	76	144	.1	
29	ASB	EP	16 42 32.9	7.3	.1	3.04	88	232	-.1	POOR TAMP
		IS	16 42 46.5						-.1	

JUL 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
. 29	ASC	EP	16 42 33.0				86	241	.1	
. .		ES	16 42 46.9						.5	
. 29	AND	EP	16 42 33.8				95	251	.2	
. 29	ANA	EP	16 42 35.4				112	258	.1	
. 29	RAT	EP	16 42 37.2	3.6	.1	2.82	132	268	-.1	
.....										
29	ASB	IPG	16 43 21.9	9.2	.1	2.77				
		ES	16 43 27.7							
29	ASD	IPG	16 43 22.3	10.4	.1	2.84				
29	ACE	IPG	16 43 22.5							
29	ACD	EPG	16 43 23.3							
29	ASC	EPG	16 43 23.6							
29	ACB	EPG	16 43 23.8							
29	ACA	EPG	16 43 24.0							
29	ACF	EPG	16 43 24.8							
29	AND	EPG	16 43 25.4							
.....										
29	17 5	17.36	51.02 N 179.37 E	DEPTH = 33.5 KM					FREE DEPTH SOLUTION	
. .			RAT ISLANDS, ALEUTIAN ISLANDS							
29	ASB	IPG	17 05 25.6	6.5	.1	2.60	38	347	.0	
. .		ES	17 05 31.6						-.0	
29	ASD	EPG	17 05 25.9	3.9	.1	2.40	41	357	.0	
29	ACE	EPG	17 05 26.3				44	342	.0	
.....										
29	17 22	3.76	51.43 N 179.91 W	DEPTH = 63.1 KM					FREE DEPTH SOLUTION	
. .			DELAROF ISLANDS, ALEUTIAN ISLANDS							
29	ASD	EPG	17 22 15.7	11.1	.1	3.02	52	265	-.1	
. .		IS	17 22 24.6						.1	
29	ASB	EPG	17 22 16.4	4.4	.1	2.64	59	263	-.0	
. .		IS	17 22 25.5						-.2	
29	SSI	EPG	17 22 16.7	4.6	.1	2.67	62	326	-.0	
29	ACE	EPG	17 22 16.8				64	267	-.1	
29	ASC	EPG	17 22 17.1				64	274	.2	
. .		ES	17 22 26.6						.1	
29	ACA	EPG	17 22 17.5				67	275	.2	
29	ACB	EPG	17 22 17.5				69	273	.0	
29	AND	EPG	17 22 18.4				80	281	-.2	
29	ANA	EPG	17 22 21.0				101	283	.0	
.....										
29	17 24	28.50	51.01 N 179.22 E	DEPTH = 35.0 KM					FREE DEPTH SOLUTION	
. .			RAT ISLANDS, ALEUTIAN ISLANDS							
29	ASB	IPGJ	17 24 36.9	174.6	.1	4.04	39	3	-.1	QS
. .		ES	17 24 42.6						-.5	
29	ASD	IPGD	17 24 37.2				43	11	-.3	
29	ACE	IPG	17 24 37.6				44	356	.1	
29	ACD	EPG	17 24 38.1				47	353	.2	
29	ASC	IPGC	17 24 38.5				51	356	.1	
29	ACB	EPG	17 24 38.6				51	350	.1	
29	ACA	EPG	17 24 38.9				53	352	.2	
29	ACF	EPG	17 24 39.8				60	345	.2	
29	AND	IPGJ	17 24 40.2				64	343	-.0	
29	ANA	IPGD	17 24 42.3				79	331	.0	
29	SSI	IPG	17 24 45.7	68.7	.1	3.92	102	14	.1	
. .		ES	17 24 58.2						.2	
29	RAT	EPG	17 24 46.3	31.3	.1	3.60	108	325	-.1	QS
. .		ES	17 24 59.2						-.3	
29	AMA	EP	17 24 48.1	12.1	.1	3.23	121	74	-.2	

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JUL 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
29	17 34 47.51		51.00 N 179.15 E			DEPTH = 25.0 KM				FIXED DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
29	ASB	IPGD	17 34 55.2	10.6	.1	2.79	40	10	-.1	QS
		ES	17 35 .9						-.1	
29	ASD	EPG	17 34 55.5	7.6	.1	2.68	45	18	-.5	
29	ACE	EPG	17 34 55.7				44	2	-.2	
29	ACB	EPG	17 34 56.8				51	356	-.0	
29	ASC	EPG	17 34 57.0				51	1	.2	
29	ACA	EPG	17 34 57.1				53	358	-.0	
29	AND	EPG	17 34 58.5				64	348	-.1	
29	ANA	EPG	17 35 .8				77	334	.2	
29	SSI	EPG	17 35 5.4	497.9	.1	4.78	104	17	.8	
29	17 45 13.58		51.00 N 179.13 E			DEPTH = 23.4 KM				FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
29	ASB	IPGD	17 45 18.5	12.6	.1	2.86	41	11	.1	
		ES	17 45 24.1						-.0	
29	ASD	EPG	17 45 18.9	6.9	.1	2.64	46	18	-.2	
29	ACE	EPG	17 45 19.0				45	4	.0	
29	ASC	EPG	17 45 20.0				52	3	.1	
29	ACB	EPG	17 45 20.1				52	357	.2	
29	ACA	EPG	17 45 20.4				54	359	.2	
29	AND	EPG	17 45 21.6				64	349	-.1	
29	ANA	EPG	17 45 23.6				77	335	-.1	
29	SSI	EP	17 45 27.8	5.6	.1	2.84	105	17	.0	QP
29	17 47 51.08		50.95 N 179.15 E			DEPTH = 15.6 KM				FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
29	ASB	IPGD	17 47 59.5	35.0	.1	3.32	46	9	.2	
		ES	17 48 5.1						-.2	
29	ASD	IPGD	17 47 59.8	15.5	.1	3.00	51	16	-.2	
29	ACE	IPGD	17 47 59.9				50	2	.0	
29	ACD	EPG	17 48 .3				53	359	-.0	
29	ACB	EPG	17 48 .8				57	356	-.1	
29	ASC	EPG	17 48 1.3				57	1	.4	
29	ACA	EPG	17 48 1.3				59	358	.1	
29	ACF	EPG	17 48 2.0				65	351	-.1	
29	AND	EPG	17 48 2.5				69	349	-.3	
29	ANA	EPG	17 48 4.6				82	336	-.2	
29	SSI	IPGD	17 48 8.7	18.2	.1	3.36	109	16	-.1	QS
		ES	17 48 21.9						.2	
29	RAT	EPG	17 48 9.2	10.3	.2	2.81	110	329	.2	
29	18 23 .72		50.96 N 179.13 E			DEPTH = 29.8 KM				FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
29	ASB	IPGD	18 23 9.6	16.8	.1	3.04	46	10	.0	
		ES	18 23 15.9						-.1	
29	ASD	IPGD	18 23 9.9	16.8	.1	3.				

JUL 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
29	ASB	EPG	18 33 7.4	3.0	.1	2.28				
		ES	18 33 13.1							
29	ASD	EPG	18 33 7.8	2.0	.1	2.11				
29	ASB	EPG	18 53 30.3	6.7	.1	2.64				
		ES	18 53 36.2							
29	ASD	EPG	18 53 30.7	2.8	.1	2.28				
29	ACE	EPG	18 53 30.8							
29	ACB	EPG	18 53 31.8							QP
29	ASB	EPG	18 55 8.3	5.9	.1	2.57				
		ES	18 55 14.0							
29	ASD	EPG	18 55 8.7	2.4	.1	2.20				
29	ACE	EPG	18 55 8.8							
29	ACB	EPG	18 55 9.8							QP
.....										
29	19 17 28.98	51.09 N 179.33 E DEPTH = 40.4 KM						FREE DEPTH SOLUTION		
		RAT ISLANDS, ALEUTIAN ISLANDS								
29	ASB	EPG	19 17 37.0	8.0	.1	2.69	31	349	-.1	
		ES	19 17 42.9						-.1	
29	ASD	EPG	19 17 37.4	9.0	.1	2.75	33	1	.0	
29	ACE	EPG	19 17 37.6				36	342	-.1	
		ES	19 17 44.1						.1	
29	ACD	EPG	19 17 38.3				40	340	.2	
29	ACB	EPG	19 17 38.7				45	338	.1	
29	AND	EPG	19 17 40.2				59	333	-.2	
.....										
29	20 34 36.22	50.91 N 179.15 E DEPTH = 25.0 KM						FIXED DEPTH SOLUTION		
		RAT ISLANDS, ALEUTIAN ISLANDS								
29	ASB	IPG	20 34 45.3	31.9	.1	3.34	51	7	.0	
		ES	20 34 51.1						-.9	
29	ASD	IPG	20 34 45.7	12.0	.1	2.94	55	14	-.2	
29	ACE	EPG	20 34 45.8				55	1	-.0	
29	ACD	EPG	20 34 46.3				58	359	.0	
29	ACB	EPG	20 34 46.9				62	356	.0	
29	ACC	EPG	20 34 47.2				64	353	-.0	
29	ACA	EPG	20 34 47.3				64	358	.2	
29	ACF	EPG	20 34 47.9				69	351	-.1	
29	AND	EPG	20 34 48.5				74	349	-.2	
29	ANA	EPG	20 34 50.3				87	337	-.3	
29	SSI	EPG	20 34 54.6	8.4	.1	3.04	113	15	.0	QS
		ES	20 35 8.9						.9	
29	RAT	EPG	20 34 55.1	7.7	.2	2.71	114	330	.4	
.....										
29	AMA	IPG	21 40 32.7	7.0	.1	2.49				
		ES	21 40 36.5							
29	ASD	EP	21 40 42.2	2.7	.1	2.47				
29	ASB	IPG	21 40 43.4	6.2	.1	2.87				
		ES	21 40 54.9							
29	SSI	E(P)	21 40 43.5	2.3	.1					
.....										
29	22 18 20.10	52.08 N 173.38 E DEPTH = 42.0 KM MB = 5.6 MS = 5.6						TELESEISMIC SOLUTION		
		RAT ISLANDS, ALEUTIAN ISLANDS								
29	SMY	IP 0	22 18 34.9				88	34	-.6	
29	RAT	IP	22 19 6.6				341	93	-6.6	TELE. WHITE OUT
29	ANA	IP	22 19 9.8				367	96	-7.3	
29	AND	EP	22 19 12.5				388	96	-7.8	
29	ASC	EP	22 19 14.1				405	97	-8.7	QP
29	ASB	EP	22 19 14.9	610.0	.4		413	99	-9.1	
29	ASD	EP	22 19 15.9				418	98	-9.0	WHITE OUT
29	SSI	IP	22 19 17.3				426	90	-8.8	WHITE OUT

JUL 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
29	AMA	EP	22 19 30.4				526	97	-10.7	WHITE OUT
29	ADK	EP	22 19 49.2				681	88	-15.4	
		ES	22 21 0.0						.1	
		EL	22 21 30.0							
29	NIK	EP	22 20 56.3				1205	78	-27.6	
29	GMA	IP	22 22 36.0				2075	34	-59.7	
.....										
29	22 54 15.77	51.17 N 179.45 E DEPTH = 42.8 KM RAT ISLANDS, ALEUTIAN ISLANDS								FREE DEPTH SOLUTION
29	ASB	IPGD	22 54 23.5	24.1	.1	3.16	25	326	-.2	
		ES	22 54 29.4						-.0	
29	ASD	IPGD	22 54 23.9	10.4	.1	2.79	25	343	.2	QDIR
29	ACE	IPGC	22 54 24.1				32	323	-.2	
29	ACD	EPG	22 54 24.6				36	323	-.0	
29	ASC	EPG	22 54 25.1				38	329	.2	
29	ACB	EPG	22 54 25.1				41	323	-.1	
29	ACA	EPG	22 54 25.4				41	327	.2	
29	ACF	EPG	22 54 26.2				50	321	-.1	
29	AND	EPG	22 54 26.8				55	322	-.1	
29	ANA	IPG	22 54 28.6				74	313	-.6	
29	SSI	EP	22 54 29.9	9.3	.1	2.99	81	7	-.1	
29	RAT	EP	22 54 33.5	6.6	.2	2.62	104	312	.6	QP
.....										
29	23 27 40.17	50.99 N 179.18 E DEPTH = 25.0 KM RAT ISLANDS, ALEUTIAN ISLANDS								FIXED DEPTH SOLUTION
29	ASB	IPGD	23 27 48.1	25.1	.1	3.17	41	6	.0	
		ES	23 27 53.8						-.0	
29	ASD	IPGD	23 27 48.5	8.3	.1	2.75	46	14	-.2	
29	ACE	IPGC	23 27 48.7				45	359	.0	
29	ACD	EPG	23 27 49.2				48	356	.1	
29	ASC	IPG	23 27 49.7				52	359	.1	
29	ACB	EPG	23 27 49.7				53	353	.0	
29	ACA	EPG	23 27 50.1				54	355	.2	
29	AND	EPG	23 27 51.4				65	346	-.1	
29	SSI	EPG	23 27 57.4	8.3	.1	3.01	104	16	.1	
.....										
29	23 28 12.29	51.00 N 179.13 E DEPTH = 25.6 KM RAT ISLANDS, ALEUTIAN ISLANDS								FREE DEPTH SOLUTION
29	ASB	IPGD	23 28 20.2	102.1	.1	3.78	41	11	.0	P SPIKE
		IS	23 28 25.8						-.2	
29	ASD	IPGD	23 28 20.5	32.6	.1	3.32	46	18	-.4	
29	ACE	IPGC	23 28 20.8				45	3	.1	
29	ACD	IPGC	23 28 21.3				48	0	.2	
29	ASC	EPG	23 28 21.7				51	2	.0	
29	ACB	IPG	23 28 21.8				51	357	.1	
29	ACA	EPG	23 28 22.0				53	359	.0	
29	ACF	EPG	23 28 22.9				59	350	.1	
29	AND	EPG	23 28 23.4				64	349	-.1	
29	ANA	EPG	23 28 25.3				77	335	-.1	
29	SSI	EPG	23 28 29.2	39.9	.1	3.69	104	17	-.2	
		ES	23 28 42.1						.2	
29	RAT	EPG	23 28 29.5	9.1	.1	3.05	105	328	-.1	
29	AMA	E(P)	23 28 32.9	3.8	.1	2.74	127	75	.1	

JUL 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
30	0	7	22.40	52.10 N	173.46 E	DEPTH = 45.0 KM	MB = 4.9	MS = 4.7	TELESEISMIC SOLUTION	
RAT ISLANDS, ALEUTIAN ISLANDS										
.....										
30	RAT	IP	00 08 8.1				335	94	.0	
30	ANA	IP	00 08 11.4				361	96	.2	
30	AND	EP	00 08 14.0				382	97	.2	
30	ASB	EP	00 08 17.1				407	99	.2	
30	ASC	EP	00 08 17.1				399	98	1.2	
30	ASD	EP	00 08 18.7				413	99	1.1	
		E	00 09 12.5							
30	SSI	EP	00 08 18.8				420	91	.3	
30	AMA	EP	00 08 32.2				520	97	1.4	
30	ADK	EP	00 08 56.8				675	88	6.8	
.....										
30	1	35	19.25	51.78 N	179.66 E	DEPTH = 92.8 KM	FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
30	SSI	IP C	01 35 32.4	17.5	.1	3.28	13	337	.0	
30	ASD	IP	01 35 33.9	9.2	.1	3.04	49	207	.0	
30	ASC	IP	01 35 34.2				49	224	.3	
30	ASB	IP	01 35 34.3	47.8	.1	3.77	55	212	-.0	
		IS	01 35 45.1						-.2	
30	AND	EP	01 35 34.3				55	244	.0	
30	ANA	EP	01 35 35.6				71	256	.0	
30	RAT	IP	01 35 37.2	12.6	.1	3.26	92	272	-.2	
30	AMA	IP C	01 35 38.2	15.2	.1	3.37	101	122	-.1	
.....										
30	2	7	52.10	62.07 N	151.28 W	DEPTH = 78.0 KM	MB = 4.0	TELESEISMIC SOLUTION		
CENTRAL ALASKA										
.....										
30	2	8	44.85	51.01 N	179.17 E	DEPTH = 29.3 KM	FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
30	ASB	IP D	02 08 52.7	54.6	.1	3.51	39	8	-.1	
		IS	02 08 58.5						-.1	
30	ASD	IP D	02 08 53.2	14.8	.1	2.98	44	16	-.2	
30	ACE	IP	02 08 53.4				43	1	.1	
30	ACD	IP	02 08 53.9				46	357	.2	
30	ASC	IP	02 08 54.3				50	360	.1	
30	ACB	IP	02 08 54.4				50	354	.1	
30	ACA	IP	02 08 54.7				52	356	.2	
30	ACC	IP	02 08 54.7				53	351	.0	
30	AND	IP	02 08 55.9				63	346	-.1	
30	ANA	IP	02 08 57.9				77	333	-.1	
30	SSI	IP	02 09 1.8	21.5	.1	3.42	102	17	.0	
30	ADK	EP	02 09 57.2				304	70	29.5	
.....										
30	2	14	15.12	50.97 N	179.16 E	DEPTH = 25.0 KM	FIXED DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
30	ASB	IP D	02 14 23.6	50.0	.1	3.49	44	8	.1	
		IS	02 14 29.5						-.0	
30	ASD	IP D	02 14 23.9	20.7	.1	3.14	49	15	-.2	
30	ACE	IP	02 14 24.1				48	1	.1	
30	ACD	IP	02 14 24.7				51	358	.2	
30	ASC	IP	02 14 25.1				55	0	.1	
30	ACB	IP	02 14 25.2				56	355	.1	
30	ACA	IP	02 14 25.5				57	357	.2	
30	AND	IP C	02 14 26.7				68	348	-.2	
30	ANA	IP C	02 14 28.7				81	335	-.2	

JUL 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
30	SSI	EP	02 14 32.6	18.3	.1	3.36	107	16	-.1	
30	2 25 32.58		50.97 N 179.17 E				DEPTH = 25.0 KM			FIXED DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
30	ASB	IP D	02 25 40.9	8.5	.1	2.72	44	7	.0	
		IS	02 25 46.9						-.0	
30	ASD	IP	02 25 41.3	2.8	.1	2.27	49	14	-.2	
30	ACE	IP	02 25 41.5				48	0	.0	
30	ACD	EP	02 25 42.0				51	358	.1	
30	ACB	EP	02 25 42.5				55	354	.0	
30	ACA	EP	02 25 42.9				57	357	.1	
30	AND	EP	02 25 44.2				68	347	-.1	
30	SSI	EP	02 25 50.3				107	16	.2	
30	3 36 45.38		50.97 N 179.10 E				DEPTH = 25.0 KM			FIXED DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
30	ASB	IP D	03 36 53.8	14.1	.1	2.95	45	13	-.0	
		ES	03 36 59.9						-.0	
30	ASD	IP C	03 36 54.3	4.9	.1	2.52	50	19	-.2	
30	ACE	IP	03 36 54.4				48	6	.1	
30	ASC	IP	03 36 55.3				55	4	.0	
30	AND	IP	03 36 57.0				67	351	.0	
30	SSI	IP	03 37 3.4				108	18	.3	
30	4 15 40.68		51.11 N 179.17 E				DEPTH = 28.6 KM			FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
30	ASB	IP D	04 15 47.4				28	10	.1	
		IS	04 15 52.1						.0	
30	ACE	IP	04 15 47.7				32	360	-.0	
30	ASD	IP D	04 15 47.8	5.6	.1	2.48	33	20	-.1	
30	SSI	IP	04 15 56.1				92	18	.0	
30	ASB	IP C	04 26 5.0	7.5	.2	2.43				
		ES	04 26 11.5							
30	ASD	IP C	04 26 5.6	3.5	.1	2.42				
30	ASC	EP	04 26 6.8							
30	5 17 39.96		50.98 N 179.18 E				DEPTH = 25.0 KM			FIXED DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
30	ASB	IP	05 17 48.1	10.6	.1	2.80	42	6	.1	
		ES	05 17 53.9						-.0	
30	ASD	IP	05 17 48.4	10.1	.1	2.81	47	14	-.3	
30	ACE	IP	05 17 48.7				47	359	.1	
30	ASC	IP	05 17 49.7				54	359	.1	
30	ACB	EP	05 17 49.8				54	353	.1	
30	ACA	EP	05 17 50.1				56	355	.2	
30	AND	EP	05 17 51.3				67	346	-.2	
30	SSI	IP	05 17 57.4	3.7	.1	2.66	105	15	.2	
30	5 23 45.62		50.97 N 179.18 E				DEPTH = 25.0 KM			FIXED DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
30	ASB	IP	05 23 54.0				44	6	.1	
		ES	05 23 59.8						-.1	
30	ASD	IP C	05 23 54.3				48	14	-.2	

JUL 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
30	SSI	EP	05 24 3.2	2.4	.1	2.48	106	15	.1	
		IS	05 24 15.9						.1	
30	ASB	IP	05 56 52.4	5.4	.1	2.54				
		ES	05 56 58.2							
30	ASD	EP	05 56 52.7							
30	6	5	45.80	51.36 N 176.65 W	DEPTH =	37.0 KM	MB = 4.1			TELESEISMIC SOLUTION
				ANDREANOF ISLANDS, ALEUTIANS ISLANDS						
30	ADK	IP	06 05 56.7				58	358	-.1	FELT I 3.4ML
		ES	06 06 4.2						-.7	
30	AMA	EP	06 06 10.4	15.4	.2	3.17	171	268	-1.2	
		I	06 06 11.4							
		I	06 06 13.4							
30	SSI	IP	06 06 23.7	9.3	.2		267	284	.3	
		I	06 06 24.3							
30	ASD	IP	06 06 25.0	27.2	.1		279	272	.1	
30	ASB	IP	06 06 26.0	61.1	.1		285	272	.3	
		ES	06 06 56.4						1.6	
30	ASC	IP	06 06 27.0				291	274	.6	
30	AND	EP	06 06 28.8				306	276	.6	
30	ANA	IP	06 06 31.5				326	277	.7	
30	RAT	EP	06 06 34.1				351	280	.3	
30	6	18	12.00	4.54 S 152.87 E	DEPTH =	42.0 KM	MB = 5.7	MS = 5.6		TELESEISMIC SOLUTION
				NEW BRITAIN REGION						
30	ADK	EP	06 28 23.8				6883	21		
30	ASB	IP	06 46 53.0	3.3	.1	2.36				
		IS	06 46 56.4							
30	ASD	IP	06 46 53.5	2.1	.1	2.19				
30	7	13	21.38	50.82 N 179.20 E	DEPTH =	25.0 KM				FIXED DEPTH SOLUTION
				RAT ISLANDS, ALEUTIAN ISLANDS						
30	ASB	IP	07 13 32.2				61	3	.1	
30	ASD	EP	07 13 32.4	3.4	.1	2.44	65	9	-.3	
		ES	07 13 40.9						-.0	
30	SSI	EP	07 13 41.5	2.2	.1	2.49	123	13	.2	
30	ASD	IP	07 57 30.2	5.9	.1	2.58				
		ES	07 57 36.0							
30	ASD	IP	07 57 30.6	2.0	.1	2.12				
30	9	28	30.82	51.00 N 179.84 W	DEPTH =	34.5 KM				FREE DEPTH SOLUTION
				DELAROF ISLANDS, ALEUTIAN ISLANDS						
30	AMA	IP	09 28 41.8	69.2	.1	3.75	60	58	-.1	
30	ASD	IP	09 28 43.5				72	307	-.0	
30	ASB	IP	09 28 44.1				75	302	.0	
30	ASC	IP	09 28 45.9				86	307	.3	
30	AND	IP	09 28 48.2				105	307	-.1	
		I(S)	09 29 .7						-.4	
30	SSI	IP	09 28 48.8				107	338	.2	
30	ANA	IP	09 28 51.1				125	304	-.1	
30	RAT	EP	09 28 54.9				155	305	.0	

JUL 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
30	9 49	35.06	50.99 N 179.14 E	DEPTH = 25.0 KM				FIXED DEPTH SOLUTION		
			RAT ISLANDS, ALEUTIAN ISLANDS							
30	ASB	IP C	09 49 43.1	8.4	.1	2.70	42	10	.0	
		ES	09 49 48.9						-.0	
30	ASD	IP C	09 49 43.6	3.1	.1	2.30	47	17	-.2	
30	AND	EP	09 49 46.4				65	348	-.0	
30	SSI	EP	09 49 52.5	2.4	.1	2.47	105	17	.1	
30	10 36	26.70	63.68 N 149.61 W	DEPTH = 34.0 KM MB = 3.4				TELESEISMIC SOLUTION		
			CENTRAL ALASKA							
30	ADK	EP	10 37 37.9							
		ES	10 37 54.0							
30	10 42	27.34	51.02 N 179.82 W	DEPTH = 35.4 KM				FREE DEPTH SOLUTION		
			DELAROF ISLANDS, ALEUTIAN ISLANDS							
30	AMA	IP	10 42 38.4	20.9	.1	3.23	58	59	.2	
30	ASD	IP	10 42 39.9	7.3	.1	2.83	71	305	-.2	
30	ASB	EP	10 42 40.4	6.8	.1	2.82	75	300	-.2	
30	ASC	EP	10 42 42.1				86	305	-.0	
30	AND	EP	10 42 44.5				104	306	-.3	
		ES	10 42 58.6						1.1	
30	SSI	IP	10 42 45.0				105	337	.1	
		IS	10 42 57.2						-.5	
30	ANA	EP	10 42 47.4				125	303	-.2	
30	RAT	EP	10 42 51.5				155	305	.3	
30	12 10	45.88	51.59 N 179.75 E	DEPTH = 73.4 KM				FREE DEPTH SOLUTION		
			RAT ISLANDS, ALEUTIAN ISLANDS							
30	ASD	EP	12 10 57.4	3.5	.1	2.52	36	232	-.3	
30	ASB	IP	12 10 58.1	6.3	.1	2.79	43	234	-.1	
		ES	12 11 7.1						.0	
30	ACE	EP	12 10 58.2				45	243	-.1	
30	ASC	IP	12 10 58.3				43	251	.2	
30	ACA	IP	12 10 58.4				45	255	.1	
30	ACB	IP	12 10 58.5				48	253	.0	
30	ACD	EP	12 10 58.6				46	248	.2	
30	ACC	IP	12 10 58.8				50	257	.1	
30	AND	EP	12 10 58.9				55	267	-.2	
30	ANA	EP	12 11 .9				76	274	-.0	
30	AMA	IP C	12 11 2.0	4.8	.1	2.79	86	112	.0	
30	RAT	EP	12 11 3.6				101	284	-.0	
30	12 32	37.75	51.55 N 178.83 E	DEPTH = 69.2 KM				FREE DEPTH SOLUTION		
			RAT ISLANDS, ALEUTIAN ISLANDS							
30	AND	EP	12 32 47.8				9	78	-.1	
30	ACF	IP	12 32 48.1				12	101	.1	
30	ANA	IP	12 32 48.2				15	308	.1	
30	ACA	IP	12 32 48.3				21	110	.0	
30	ACB	IP	12 32 48.3				20	117	.0	
30	ACC	EP	12 32 48.3				16	115	.2	
30	ASC	EP	12 32 48.4				25	112	-.1	
30	ACD	IP	12 32 48.5				25	121	.0	
30	ACE	IP	12 32 48.6				29	124	-.1	
30	ASB	IP	12 32 49.0	1.6	.1	2.16	36	125	-.1	
30	ASD	IP	12 32 49.3	3.5	.1	2.51	40	116	-.0	
		ES	12 32 57.6						-.2	

JUL 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
. 30	RAT	IP C	12 32 49.5	24.6	.1	3.37	44	309	-.2	
. 30	SSI	EP	12 32 51.5	10.0	.1	3.04	65	53	.0	
.....										
30	ASB	IP C	14 38 4.6	6.5	.1	2.63				
		IS	14 38 10.5							
30	ASD	IP C	14 38 5.0	2.4	.1	2.22				
30	ACE	IP C	14 38 5.1							
30	ASC	IP C	14 38 6.2							
30	ACB	IP	14 38 6.2							
30	SSI	EP	14 38 14.0	2.2	.1					
30	ADK	EP	15 28 24.8							
30	ASB	IP	17 06 32.6	7.9	.1	2.73				
30	ASD	IP	17 06 33.0	2.4	.1	2.23				
		ES	17 06 39.5							
30	ACF	IP	17 06 33.2							
30	ACD	EP	17 06 33.7							
30	ASC	IP	17 06 34.2							
30	ACB	EP	17 06 34.2							
30	ACA	EP	17 06 34.6							
30	SSI	EP	17 06 42.2	2.3	.1					
30	ADK	EP	19 24 47.2							
		ES	19 25 17.6							
.....										
. 30	20 9 54.46	51.13 N 179.88 E DEPTH = 29.4 KM						FREE DEPTH SOLUTION		
		RAT ISLANDS, ALEUTIAN ISLANDS								
. 30	ASD	IP	20 10 3.3	22.7	.1	3.18	47	307	-.2	
. 30	ASB	IP	20 10 4.1	13.1	.1	2.97	51	300	.1	
		ES	20 10 10.9						-.1	
. 30	ACE	IP	20 10 5.0				58	301	.0	
. 30	ACD	EP	20 10 5.5				62	302	.0	
. 30	ASC	EP	20 10 5.8				62	306	.2	
. 30	ACB	IP	20 10 6.2				66	304	.0	
. 30	ACA	IP	20 10 6.3				66	306	.2	
. 30	ACC	EP	20 10 6.4				70	304	-.3	
. 30	AMA	EP	20 10 7.0	4.8	.1	2.64	72	76	-.0	
. 30	AND	EP	20 10 8.2				80	307	-.0	
. 30	SSI	EP	20 10 9.2	4.9	.1	2.72	87	346	.0	
. 30	ANA	EP	20 10 11.5				101	303	.2	
. 30	RAT	EP	20 10 15.4	3.3	.1	2.69	131	305	-.3	
.....										
. 30	20 47 1.60	5.25 S 153.27 E DEPTH = 33.0 KM MB = 5.5 MS = 5.3						TELESEISMIC SOLUTION		
		NEW IRELAND REGION								
. 30	ADK	EP	20 57 23.1				6941	20		
.....										
. 30	21 52 49.20	51.62 N 179.65 E DEPTH = 108.4 KM						FREE DEPTH SOLUTION		
		RAT ISLANDS, ALEUTIAN ISLANDS								
. 30	ASD	IP	21 53 4.8	2.5	.1	2.51	33	221	.0	
. 30	ASC	EP	21 53 5.0				38	243	.0	
. 30	ASB	IP	21 53 5.1				40	225	.0	
		ES	21 53 16.7						.0	
.....										
30	ASD	EP	23 36 19.0	2.4	.1	2.51				
30	ASB	IP	23 36 19.7	2.1	.1	2.47				
30	ASC	EP	23 36 20.2							
		ES	23 36 34.3							
30	AND	EP	23 36 21.3							

JUL 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
30	ANA	EP	23 36 23.9							
31	1 44	12.80	51.35 N 179.35 E	DEPTH = 55.4 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
31	ASD	IP	01 44 21.2	2.1	.1	2.15	4	356	-.0	
31	ASB	EP	01 44 21.2	2.3	.1	2.19	7	279	-.1	
		ES	01 44 27.4						-.0	
31	ACE	IP	01 44 21.4				13	294	-.0	
31	ASC	EP	01 44 21.6				18	314	.0	
31	ACD	IP	01 44 21.7				17	300	.1	
31	ACA	IP	01 44 21.8				21	312	.0	
31	ACB	IP	01 44 21.8				22	305	.0	
31	AND	EP	01 44 22.7				36	311	-.1	
31	SSI	EP	01 44 25.3	2.4	.1	2.37	63	15	-.0	
31	2 30	8.54	51.82 N 177.30 E	DEPTH = 76.5 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
31	RAT	IP	02 30 23.5	6.3	.1	2.87	71	92	.1	
		IS	02 30 34.0						-.3	
31	ANA	EP	02 30 26.2				96	102	.2	
31	AND	EP	02 30 28.3				118	103	.0	
31	ASC	EP	02 30 30.4				135	106	.1	
31	ASB	EP	02 30 31.1				144	110	-.2	
31	ASD	EP	02 30 31.7				149	108	-.2	
		ES	02 30 49.2						.2	
31	SSI	IP	02 30 32.9	8.8	.1	3.23	158	86	-.0	
31	3 47	31.21	51.03 N 179.13 E	DEPTH = 25.0 KM			FIXED DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
31	ASB	IP D	03 47 38.7	6.1	.1	2.53	38	13	.0	
		ES	03 47 43.9						-.2	
31	ASD	IP D	03 47 39.1	5.3	.1	2.51	43	20	-.3	
31	ACE	IP	03 47 39.3				41	5	.1	
31	ACD	IP	03 47 39.8				44	1	.2	
31	ASC	IP	03 47 40.3				48	3	.2	
31	ACB	IP	03 47 40.3				48	357	.2	
31	ACA	IP	03 47 40.6				50	359	.2	
31	ACF	IP	03 47 41.4				56	351	.2	
31	AND	IP	03 47 42.0				61	349	.1	
31	ANA	IP	03 47 43.8				74	334	-.0	
31	RAT	IP	03 47 47.6	7.9	.1	2.98	102	327	-.4	
31	SSI	EP	03 47 47.7	42.1	.1	3.70	101	18	-.2	
31	ANA	EP	04 36 30.5							
31	AND	EP	04 36 32.3							
31	ASB	EP	04 36 33.8	14.9	.1					
		ES	04 37 13.1							
31	ASC	EP	04 36 34.0							
31	ASD	IP	04 36 34.7	6.5	.1					
31	RAT	IP C	04 36 39.1	21.3	.1					
31	SSI	IP C	04 36 50.4	77.6	.1					
		IS	04 37 25.0							
31	SMY	EP	04 58 7.1							
31	AMA	IP D	05 27 2.6	56.2	.1	3.51				
		IS	05 27 7.8							
31	ASD	EP	05 27 13.8	2.1	.1	2.48				
		ES	05 27 28.0							
31	SSI	EP	05 27 16.1	4.9	.1					

JUL 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
31	ASB	EP	05 27 34.4							
31	ASC	EP	05 27 35.6							
.....										
31	6	1	19.33	52.20 N	178.38 E	DEPTH = 178.0 KM	FREE DEPTH SOLUTION			
				RAT ISLANDS, ALEUTIAN ISLANDS						
31	RAT	EP	06 01 43.6	2.2	.1	2.64	45	185	.0	
		ES	06 02 1.2						-.1	
31	ANA	EP	06 01 44.5				67	163	.1	
31	AND	EP	06 01 45.1				81	151	-.0	
31	SSI	IP	06 01 45.6	2.9	.1	2.79	89	112	.0	
31	ASC	EP	06 01 46.0				98	146	-.1	
31	ASD	EP	06 01 47.0	5.3	.1	3.08	112	143	-.0	
		ES	06 02 7.3						.1	
31	ASB	EP	06 01 47.0	3.7	.1	2.92	111	147	.0	
.....										
31	7	13	33.23	51.93 N	178.37 W	DEPTH = 108.3 KM	FREE DEPTH SOLUTION			
				DELAROF ISLANDS, ALEUTIAN ISLANDS						
31	AMA	IP	07 13 52.4	6.7	.1	3.02	88	216	.1	
		IS	07 14 6.2						-.1	
31	SSI	EP	07 13 57.3				140	269	-.0	
31	ASD	EP	07 14 .4				169	250	.0	
31	ASB	EP	07 14 1.1				176	250	-.1	
		ES	07 14 21.7						.1	
31	ASC	EP	07 14 1.4				178	254	.0	
.....										
31	7	27	8.33	50.85 N	179.14 E	DEPTH = 25.0 KM	FIXED DEPTH SOLUTION			
				RAT ISLANDS, ALEUTIAN ISLANDS						
31	ASB	IP	07 27 18.4	9.8	.1	2.87	58	8	.1	
		ES	07 27 25.7						-.1	
31	ASD	IP	07 27 18.7	13.7	.1	3.04	62	13	-.2	
31	ACE	IP	07 27 18.9				62	2	.0	
31	ACD	IP	07 27 19.4				65	1	.1	
31	ASC	IP	07 27 20.0				69	2	.1	
31	ACB	IP	07 27 20.0				69	357	.1	
31	ACA	IP	07 27 20.2				71	359	.0	
31	AND	IP	07 27 21.6				81	351	-.1	
31	ANA	IP	07 27 23.5				93	339	.0	
31	RAT	EP	07 27 27.4	2.7	.1	2.57	120	332	-.1	
31	SSI	EP	07 27 27.5	4.4	.1	2.79	121	15	-.0	
.....										
31	7	31	35.03	50.95 N	179.16 E	DEPTH = 25.0 KM	FIXED DEPTH SOLUTION			
				RAT ISLANDS, ALEUTIAN ISLANDS						
31	ASB	IP	07 31 43.8	4.7	.1	2.48	47	7	.1	
		ES	07 31 50.0						.0	
31	ASD	IP	07 31 44.2	3.8	.1	2.41	51	14	-.1	
31	ASC	EP	07 31 45.4				57	0	.1	
31	AND	EP	07 31 47.0				70	348	-.1	
.....										
31	10	2	19.34	50.97 N	179.14 E	DEPTH = 22.0 KM	FREE DEPTH SOLUTION			
				RAT ISLANDS, ALEUTIAN ISLANDS						
31	ASB	IP	10 02 27.6	13.1	.1	2.90	44	10	.1	
		ES	10 02 33.5						-.0	
31	ASD	IP	10 02 28.0	4.2	.1	2.44	49	17	-.2	
31	ACE	IP	10 02 28.2				48	3	.1	
31	ACD	IP	10 02 28.7				51	0	.2	

JUL 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
. 31	ASC	IP	10 02 29.2				55	2	.1	
. 31	ACB	IP	10 02 29.2				55	357	.1	
. 31	ACC	EP	10 02 29.4				58	354	-.1	
. 31	ACA	EP	10 02 29.5				57	359	.1	
. 31	AND	EP	10 02 30.8				67	349	-.1	
. 31	SSI	EP	10 02 37.0	2.9	.1	2.56	108	17	.1	
. 31	RAT	EP	10 02 37.0				108	329	-.0	

31	AMA	IP D	10 37 24.6							
31	ASD	IP C	10 37 38.3							
		ES	10 37 57.9							
31	ASB	EP	10 37 39.1	102.2	.1	4.31				
31	SSI	IP D	10 37 39.3							
31	ASC	EP	10 37 40.4							
31	AND	IP	10 37 42.7							
31	ANA	IP	10 37 45.3							
31	RAT	IP C	10 37 48.8							

OVERLOADED.

. 31	12 25 25.45	50.97 N 179.19 E	DEPTH = 25.0 KM	FIXED DEPTH SOLUTION						
RAT ISLANDS, ALEUTIAN ISLANDS										
. 31	ASB	IP	12 25 33.8	4.4	.1	2.43	44	5	.1	
		ES	12 25 39.7						-.1	
. 31	ASD	IP C	12 25 34.1	3.8	.1	2.40	48	12	-.2	
. 31	ACE	IP	12 25 34.4				48	358	.1	
. 31	ASC	EP	12 25 35.4				55	358	.1	
. 31	ACB	EP	12 25 35.4				56	353	.0	
. 31	SSI	EP	12 25 43.1				107	15	.2	
		IS	12 25 55.7						.0	

. 31	12 49 44.23	51.52 N 179.44 E	DEPTH = 65.5 KM	FREE DEPTH SOLUTION						
RAT ISLANDS, ALEUTIAN ISLANDS										
. 31	ASD	EP	12 49 54.1	7.1	.1	2.76	16	206	-.0	
. 31	ACE	IP	12 49 54.3				23	235	-.1	
. 31	ASB	EP	12 49 54.4	3.7	.1	2.48	23	218	.0	
		ES	12 50 1.8						-.0	
. 31	ASC	EP	12 49 54.4				20	252	.1	
. 31	ACA	EP	12 49 54.5				23	259	.1	
. 31	ACD	IP	12 49 54.5				24	244	.0	
. 31	ACB	IP	12 49 54.6				25	255	.1	
. 31	AND	IP	12 49 54.9				34	278	-.2	
. 31	ANA	IP	12 49 56.8				55	282	.0	

. 31	13 4 2.84	52.12 N 179.85 E	DEPTH = 173.0 KM	FREE DEPTH SOLUTION						
RAT ISLANDS, ALEUTIAN ISLANDS										
. 31	SSI	EP	13 04 26.2				31	215	.1	
. 31	ASD	EP	13 04 28.5	3.9	.1	2.90	89	203	.1	
. 31	ASC	EP	13 04 28.7				87	213	.2	
. 31	ASB	EP	13 04 28.9	4.2	.1	2.95	95	206	.0	
		ES	13 04 47.8						-.1	
. 31	RAT	EP	13 04 29.7				110	251	-.2	
. 31	AMA	EP	13 04 30.3	3.6	.1	2.91	118	142	-.1	

. 31	14 6 35.97	51.68 N 179.31 E	DEPTH = 200.0 KM	FIXED DEPTH SOLUTION						
RAT ISLANDS, ALEUTIAN ISLANDS										
. 31	ASD	EP	14 07 2.5	2.7	.1	2.76	32	176	-.0	
		ES	14 07 21.3						-.6	
. 31	ASC	EP	14 07 2.6				26	202	.2	

JUL 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
31	AND	EP	14 07 2.7				28	242	.2	
31	ASB	EP	14 07 2.9	2.8	.1	2.79	36	187	.3	
31	RAT	IP	14 07 3.1	7.7	.1	3.24	69	281	-.6	
		ES	14 07 24.4						.5	
31	AMA	IP	16 32 28.5	34.3	.1	3.36				
		ES	16 32 34.6							
31	SSI	EP	16 32 42.8							
31	ASD	EP	16 32 44.0	7.6	.1	3.13				
31	ASB	EP	16 32 45.0	11.4	.1	3.32				
		ES	16 33 3.6							
31	ASC	EP	16 32 46.2							
31	AND	EP	16 32 48.2							
31	ANA	EP	16 32 51.3							
31	RAT	EP	16 32 54.4							
31	18 41 30.58	50.42 N 177.60 E	DEPTH = 0.0 KM							FIXED DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
31	ANA	EP	18 41 56.6				154	29	.3	
31	ASB	EP	18 41 56.9	4.7	.1	2.91	156	47	.2	
31	AND	EP	18 41 57.0				159	36	-.1	
31	ASC	IP	18 41 57.4				160	43	.1	
31	RAT	EP	18 41 57.4				162	18	-.2	
31	ASD	EP	18 41 57.7	2.2	.1	2.60	164	48	-.1	
		ES	18 42 17.3						-.3	
31	SSI	EP	18 42 5.4	8.3	.1		215	40	-.2	
		IS	18 42 31.4						.3	
31	19 24 7.69	51.53 N 179.21 E	DEPTH = 65.4 KM							FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
31	ACA	IP	19 24 17.3				8	232	-.1	
31	ASC	IP D	19 24 17.4				8	205	.0	
31	AND	IP C	19 24 17.5				18	283	-.2	
31	ACB	IP	19 24 17.5				11	230	.1	
31	ACC	IP	19 24 17.5				13	248	.0	
31	ACD	IP	19 24 17.5				12	206	.0	
31	ACE	IP	19 24 17.5				14	191	-.0	
31	ACF	IP	19 24 17.5				15	270	-.1	
31	ASD	IP D	19 24 17.6				18	149	-.0	
31	ASB	IP D	19 24 17.6	403.3	.1	4.51	19	172	-.1	OVERLOADED.
		IS	19 24 25.1						.1	
31	ANA	IP C	19 24 19.1				40	287	.2	
31	SSI	IP	19 24 19.6				48	32	.0	
31	RAT	IP C	19 24 21.4				68	297	-.0	
31	AMA	IP C	19 24 27.2				120	102	.0	OVERLOAD
		IS	19 24 42.4						1.0	
31	21 0 29.36	52.34 N 179.59 E	DEPTH = 193.9 KM							FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
31	AND	EP	21 00 57.3				97	207	-.2	
31	ANA	IP	21 00 57.8				101	219	.0	
31	ASC	EP	21 00 57.9				101	197	.1	
31	RAT	IP	21 00 58.0	12.3	.1	3.46	105	236	.0	
		ES	21 01 19.1						-.0	
31	ASD	IP	21 00 58.1	8.4	.1	3.30	107	189	.0	
31	ASB	EP	21 00 58.3	4.2	.1	3.00	111	192	-.1	
		ES	21 01 17.8						-2.0	

JUL 1971	STA	PHASE	TIME (GHT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
31	22 44 12.20		51.18 N 178.22 E	DEPTH = 27.0 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
31	ANA	IP	22 44 22.8				58	32	.2	
31	AND	IP	22 44 23.8				66	50	.0	
31	RAT	IP D	22 44 23.8				69	7	-.4	
31	ACF	IP	22 44 23.9				66	55	.1	
31	ACC	IP	22 44 24.1				67	60	.3	
31	ACB	IP	22 44 24.2				68	63	.1	
31	ACD	IP	22 44 24.4				70	67	.1	
31	ACE	IP	22 44 24.5				71	70	.0	
31	ACA	EP	22 44 24.6				71	62	.1	
31	ASC	EP	22 44 24.8				73	65	.0	
31	ASB	IP C	22 44 24.9	26.7	.1	3.39	74	74	-.1	
		ES	22 44 33.8						-.5	
31	ASD	IP C	22 44 25.7	7.6	.1	2.88	82	73	-.3	
31	SSI	IP C	22 44 32.3	64.3	.1	3.96	123	50	.0	
		ES	22 44 47.0						.1	
31	AMA	EP	22 44 40.8				187	85	-.0	
.....										

JUL 1971	ORIGIN TIME (GMT)	LAT	LONG	DEPTH* (KM)	MB	MS	GEOGRAPHIC REGION
01	1 18 55.48	51.61 N	175.16 E	0.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
01	1 16 16.80	6.38 S	130.26 E	133.0 T	5.8		BANDA SEA
01	2 2 46.52	51.14 N	179.48 W	25.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
01	1 56 47.30	7.48 S	156.37 E	33.0 T	4.9		SOLOMON ISLANDS
1	1 58 2.90	68.49 N	148.02 W	33.0 T	4.1		ALASKA
01	4 14 44.83	51.57 N	178.80 E	22.1 F			RAT ISLANDS, ALEUTIAN ISLANDS
01	8 39 18.15	51.57 N	178.80 E	21.5 F			RAT ISLANDS, ALEUTIAN ISLANDS
01	10 40 28.50	51.41 N	179.43 E	18.9 F			RAT ISLANDS, ALEUTIAN ISLANDS
01	15 31 40.41	51.57 N	178.82 E	20.7 F			RAT ISLANDS, ALEUTIAN ISLANDS
02	4 40 10.70	51.23 N	176.51 W	39.0 T			ANDREANOF ISLANDS, ALEUTIANS ISLANDS
02	6 34 43.20	53.00 N	171.35 E	31.0 T	5.1		NEAR ISLANDS, ALEUTIAN ISLANDS
02	10 50 22.75	51.82 N	178.35 E	95.6 F			RAT ISLANDS, ALEUTIAN ISLANDS
02	13 12 55.63	51.13 N	179.31 E	29.3 F			RAT ISLANDS, ALEUTIAN ISLANDS
02	13 13 52.97	51.13 N	179.32 E	28.4 F			RAT ISLANDS, ALEUTIAN ISLANDS
02	13 37 53.10	51.16 N	179.38 E	31.5 F			RAT ISLANDS, ALEUTIAN ISLANDS
02	14 12 4.82	52.06 N	179.78 E	180.8 F			RAT ISLANDS, ALEUTIAN ISLANDS
02	15 4 54.75	51.43 N	178.82 E	0.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
02	15 39 21.45	51.56 N	178.98 E	17.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
02	16 1 23.51	51.41 N	177.48 E	50.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
02	16 31 12.76	51.92 N	179.57 W	131.0 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
02	17 2 3.01	52.44 N	178.96 E	154.6 F			RAT ISLANDS, ALEUTIAN ISLANDS
02	18 21 37.28	51.16 N	178.06 E	0.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
02	18 26 2.49	51.21 N	177.98 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
02	19 53 8.52	51.36 N	178.37 W	25.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
02	21 37 26.11	51.65 N	178.90 E	21.5 F			RAT ISLANDS, ALEUTIAN ISLANDS
03	3 30 7.28	51.83 N	178.03 E	152.8 F			RAT ISLANDS, ALEUTIAN ISLANDS
03	3 33 56.70	51.45 N	179.32 E	67.5 F			RAT ISLANDS, ALEUTIAN ISLANDS
03	3 50 6.83	51.96 N	178.15 E	155.8 F			RAT ISLANDS, ALEUTIAN ISLANDS
03	4 7 44.40	21.42 S	179.12 W	602.0 T	5.3		FIJI ISLANDS REGION
03	4 26 17.05	51.73 N	179.97 E	22.0 F			RAT ISLANDS, ALEUTIAN ISLANDS
03	5 33 37.08	51.42 N	178.79 E	47.0 F			RAT ISLANDS, ALEUTIAN ISLANDS

JUL 1971	ORIGIN TIME (GMT)	LAT	LONG	DEPTH* (KM)	MB	MS	GEOGRAPHIC REGION
03	5 36 54.80	51.43 N	178.83 E	44.0 F			RAT ISLANDS, ALEUTIAN ISLANDS
03	6 14 54.64	51.43 N	178.84 E	43.7 F			RAT ISLANDS, ALEUTIAN ISLANDS
03	7 11 42.44	51.14 N	178.99 E	26.5 F			RAT ISLANDS, ALEUTIAN ISLANDS
03	10 18 4.74	51.61 N	177.81 E	56.1 F			RAT ISLANDS, ALEUTIAN ISLANDS
03	10 43 54.31	51.56 N	178.78 E	27.6 F			RAT ISLANDS, ALEUTIAN ISLANDS
03	11 25 3.81	51.42 N	178.82 E	50.7 F			RAT ISLANDS, ALEUTIAN ISLANDS
03	12 12 32.30	23.48 S	179.96 W	543.0 T	5.4		SOUTH OF FIJI ISLANDS
03	13 19 41.70	51.31 N	178.71 W	33.0 T			DELAROF ISLANDS, ALEUTIAN ISLANDS
03	19 47 20.91	51.29 N	179.90 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
03	21 24 13.47	51.25 N	179.01 E	40.3 F			RAT ISLANDS, ALEUTIAN ISLANDS
03	22 17 32.28	51.68 N	179.30 W	89.2 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
03	22 45 8.20	19.54 S	177.50 W	580.0 T	4.8		FIJI ISLANDS REGION
03	23 4 25.16	52.08 N	179.62 E	166.4 F			RAT ISLANDS, ALEUTIAN ISLANDS
03	23 15 6.24	51.20 N	178.35 W	50.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
04	6 40 32.73	51.85 N	179.85 W	99.2 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
04	7 11 8.90	51.57 N	178.79 E	23.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
04	7 32 17.89	52.01 N	178.18 E	134.5 F			RAT ISLANDS, ALEUTIAN ISLANDS
04	8 9 22.06	52.45 N	178.84 E	105.3 F			RAT ISLANDS, ALEUTIAN ISLANDS
04	9 55 32.32	51.07 N	179.13 E	59.4 F			RAT ISLANDS, ALEUTIAN ISLANDS
04	11 30 51.70	15.64 N	121.88 E	33.0 T	5.5	5.1	LUZON, PHILIPPINE ISLANDS
04	12 29 14.34	51.09 N	179.07 E	27.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
04	13 36 26.38	51.45 N	178.77 E	42.4 F			RAT ISLANDS, ALEUTIAN ISLANDS
04	14 42 30.20	51.68 N	174.12 W	26.0 T	4.9		ANDREANOF ISLANDS, ALEUTIANS ISLANDS
04	15 37 13.74	51.52 N	179.75 W	75.9 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
04	15 54 11.35	52.00 N	178.77 W	204.6 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
04	16 5 29.33	51.48 N	179.97 W	88.4 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
04	17 36 25.61	50.53 N	176.85 E	75.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
04	18 41 38.30	51.60 N	174.14 W	31.0 T	4.8		ANDREANOF ISLANDS, ALEUTIANS ISLANDS
04	19 8 43.01	50.12 N	179.42 E	25.0 F			RAT ISLANDS, ALEUTIAN ISLANDS
04	19 48 37.75	51.75 N	179.53 E	93.8 F			RAT ISLANDS, ALEUTIAN ISLANDS
04	20 46 52.46	51.51 N	179.15 W	71.8 F			DELAROF ISLANDS, ALEUTIAN ISLANDS

JUL 1971	ORIGIN TIME (GMT)	LAT	LONG	DEPTH* (KM)	MB	MS	GEOGRAPHIC REGION
04	22 59 .57	51.43 N	179.33 E	61.8 F			RAT ISLANDS, ALEUTIAN ISLANDS
04	23 9 45.12	51.22 N	178.69 E	33.1 F			RAT ISLANDS, ALEUTIAN ISLANDS
04	23 17 11.50	50.84 N	174.92 E	37.0 T	3.6		RAT ISLANDS, ALEUTIAN ISLANDS
04	23 37 6.21	51.78 N	176.98 E	75.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
05	2 49 48.35	51.60 N	178.75 E	70.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
5	2 50 50.30	61.38 N	147.84 W	48.0 T	3.6		SOUTHERN ALASKA
05	6 37 37.90	51.42 N	178.79 E	47.3 F			RAT ISLANDS, ALEUTIAN ISLANDS
05	11 3 31.61	51.97 N	177.45 W	0.0 D			ANDREANOF ISLANDS, ALEUTIANS ISLANDS
05	11 12 27.58	50.81 N	179.28 W	30.5 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
05	14 30 13.51	51.10 N	179.81 E	38.8 F			RAT ISLANDS, ALEUTIAN ISLANDS
05	15 31 1.70	51.06 N	179.78 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
05	17 36 51.77	52.06 N	179.11 E	170.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
06	1 46 42.57	51.39 N	179.60 E	25.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
06	8 58 17.14	51.28 N	179.40 E	32.1 F			RAT ISLANDS, ALEUTIAN ISLANDS
06	10 30 3.56	51.56 N	179.94 W	76.3 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
06	13 28 26.06	51.06 N	179.30 W	33.2 F	4.1		DELAROF ISLANDS, ALEUTIAN ISLANDS
06	23 22 14.00	50.94 N	178.33 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
07	11 18 20.76	51.46 N	177.49 W	0.0 D			ANDREANOF ISLANDS, ALEUTIANS ISLANDS
07	15 33 19.48	51.00 N	179.41 E	20.9 F			RAT ISLANDS, ALEUTIAN ISLANDS
07	19 15 54.06	52.01 N	178.49 E	128.9 F			RAT ISLANDS, ALEUTIAN ISLANDS
08	4 31 34.80	51.62 N	179.12 E	16.8 F			RAT ISLANDS, ALEUTIAN ISLANDS
08	12 15 46.64	52.10 N	179.45 E	193.0 F			RAT ISLANDS, ALEUTIAN ISLANDS
08	12 43 30.18	51.39 N	178.75 E	45.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
08	12 46 59.85	50.97 N	179.99 E	32.7 F			RAT ISLANDS, ALEUTIAN ISLANDS
08	14 0 .10	37.11 N	116.05 W	0.0 T	5.5		SOUTHERN NEVADA
8	14 42 5.00	62.53 N	151.17 W	116.0 T			CENTRAL ALASKA
08	16 0 44.36	51.41 N	179.58 E	11.9 F			RAT ISLANDS, ALEUTIAN ISLANDS
08	19 7 3.00	6.96 S	129.62 E	56.0 T	6.2		BANDA SEA
08	20 28 51.56	51.24 N	179.16 W	0.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
08	20 49 46.98	51.70 N	179.54 E	149.6 F			RAT ISLANDS, ALEUTIAN ISLANDS
09	0 12 26.80	51.57 N	179.92 E	76.9 F			RAT ISLANDS, ALEUTIAN ISLANDS

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JUL 1971	ORIGIN TIME (GMT)	LAT	LONG	DEPTH* (KM)	MB	MS	GEOGRAPHIC REGION
09	3 3 18.80	32.52 S	71.19 W	58.0 T	6.5		NEAR COAST OF CENTRAL CHILE
09	9 49 43.70	5.94 S	154.44 E	65.0 T	5.3		SOLOMON ISLANDS
09	10 40 58.74	51.60 N	179.68 E	75.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
09	11 25 59.35	51.10 N	179.32 E	27.3 F			RAT ISLANDS, ALEUTIAN ISLANDS
09	11 45 42.54	51.13 N	179.69 E	28.5 F			RAT ISLANDS, ALEUTIAN ISLANDS
09	14 59 2.07	51.96 N	178.47 E	116.8 F			RAT ISLANDS, ALEUTIAN ISLANDS
09	15 33 21.65	51.56 N	178.79 E	26.7 F			RAT ISLANDS, ALEUTIAN ISLANDS
09	16 30 8.96	51.50 N	179.67 E	63.0 F			RAT ISLANDS, ALEUTIAN ISLANDS
09	16 46 45.55	51.57 N	178.80 E	21.0 F			RAT ISLANDS, ALEUTIAN ISLANDS
09	16 44 15.50	43.49 N	147.73 E	44.0 T	4.8		KURIL ISLANDS
09	19 58 42.90	51.20 N	178.08 W	26.0 T			ANDREANOF ISLANDS, ALEUTIANS ISLANDS
09	20 26 29.18	51.78 N	179.16 E	46.6 F			RAT ISLANDS, ALEUTIAN ISLANDS
09	22 49 53.03	51.42 N	178.82 E	44.0 F			RAT ISLANDS, ALEUTIAN ISLANDS
09	23 1 51.40	52.53 N	169.50 W	41.0 T	4.2		FOX ISLANDS, ALEUTIAN ISLANDS
10	4 48 54.12	51.90 N	179.34 E	142.1 F			RAT ISLANDS, ALEUTIAN ISLANDS
10	5 23 50.90	6.07 S	154.52 E	51.0 T	5.8		SOLOMON ISLANDS
10	7 40 53.89	52.14 N	179.84 E	175.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
10	7 48 48.93	51.56 N	179.38 E	63.0 F			RAT ISLANDS, ALEUTIAN ISLANDS
10	8 40 41.80	51.24 N	178.61 E	0.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
10	17 18 36.07	51.22 N	178.76 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
10	22 21 17.06	51.44 N	179.57 E	62.7 F			RAT ISLANDS, ALEUTIAN ISLANDS
11	5 29 8.39	51.04 N	179.23 E	34.8 F			RAT ISLANDS, ALEUTIAN ISLANDS
11	9 38 39.90	51.50 N	175.60 W	33.0 T			ANDREANOF ISLANDS, ALEUTIANS ISLANDS
11	10 7 25.99	51.01 N	179.12 E	25.5 F			RAT ISLANDS, ALEUTIAN ISLANDS
11	11 44 21.34	52.06 N	179.40 E	127.6 F			RAT ISLANDS, ALEUTIAN ISLANDS
11	12 58 40.97	51.72 N	179.09 E	56.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
12	5 25 33.48	51.73 N	176.29 E	50.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
12	11 23 29.52	51.24 N	179.99 W	30.8 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
12	14 7 21.90	49.98 N	177.81 W	75.0 D			ANDREANOF ISLANDS, ALEUTIANS ISLANDS
12	15 49 11.40	52.05 N	173.18 E	25.0 T	5.3		RAT ISLANDS, ALEUTIAN ISLANDS
12	16 36 59.60	51.83 N	175.27 W	47.0 T	4.5		ANDREANOF ISLANDS, ALEUTIANS ISLANDS

JUL 1971	ORIGIN TIME (GMT)	LAT	LONG	DEPTH* (KM)	MB	MS	GEOGRAPHIC REGION
12	16 48 35.35	51.25 N	178.47 E	37.1 F			RAT ISLANDS, ALEUTIAN ISLANDS
12	22 0 34.07	50.86 N	178.33 E	0.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
12	22 57 6.90	51.64 N	174.13 W	14.0 T	5.0		ANDREANOF ISLANDS, ALEUTIANS ISLANDS
13	2 27 17.37	51.67 N	177.90 E	60.5 F			RAT ISLANDS, ALEUTIAN ISLANDS
13	2 28 44.23	50.70 N	178.87 W	50.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
13	3 53 40.51	51.56 N	178.77 E	24.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
13	4 18 6.87	51.60 N	178.79 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
13	6 59 56.46	51.77 N	178.24 E	82.7 F			RAT ISLANDS, ALEUTIAN ISLANDS
13	15 27 5.33	51.86 N	179.62 E	104.6 F			RAT ISLANDS, ALEUTIAN ISLANDS
13	15 35 21.59	51.66 N	177.74 E	62.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
13	20 17 31.82	53.36 N	178.95 W	50.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
13	22 2 31.29	51.40 N	178.56 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
13	22 36 20.90	50.33 N	177.72 E	33.0 T			RAT ISLANDS, ALEUTIAN ISLANDS
13	22 47 49.51	51.40 N	178.57 E	55.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
14	0 1 49.20	9.33 N	126.17 E	73.0 T	5.4		MINDANAO, PHILIPPINE ISLANDS
14	2 37 23.37	51.39 N	178.79 E	42.8 F			RAT ISLANDS, ALEUTIAN ISLANDS
14	2 44 12.33	51.58 N	178.80 E	27.3 F			RAT ISLANDS, ALEUTIAN ISLANDS
14	3 28 48.26	51.38 N	179.15 E	61.9 F			RAT ISLANDS, ALEUTIAN ISLANDS
14	4 23 22.10	50.84 N	178.08 E	25.9 F			RAT ISLANDS, ALEUTIAN ISLANDS
14	5 21 57.78	51.03 N	178.51 E	0.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
14	6 18 20.37	51.97 N	179.96 E	137.1 F			RAT ISLANDS, ALEUTIAN ISLANDS
14	6 11 29.60	5.50 S	153.89 E	49.0 T	6.1	7.7	NEW IRELAND REGION
14	7 37 15.90	4.83 S	153.57 E	33.0 T	5.6	6.8	NEW IRELAND REGION
14	7 41 11.30	5.12 S	153.98 E	33.0 T	5.8	7.2	SOLOMON ISLANDS
14	11 4 6.18	51.67 N	179.90 E	66.8 F			RAT ISLANDS, ALEUTIAN ISLANDS
14	11 16 37.23	51.56 N	178.79 E	22.5 F			RAT ISLANDS, ALEUTIAN ISLANDS
14	13 48 55.55	51.29 N	179.89 E	47.7 F			RAT ISLANDS, ALEUTIAN ISLANDS
14	15 40 53.80	60.12 N	151.87 W	33.0 T	4.1		KENAI PENINSULA, ALASKA
14	18 27 2.90	5.01 S	153.35 E	33.0 T	5.1		NEW IRELAND REGION
14	19 33 27.70	5.79 S	154.05 E	33.0 T	4.9	6.3	SOLOMON ISLANDS
14	20 1 42.70	5.71 S	154.18 E	33.0 T	5.0		SOLOMON ISLANDS

JUL 1971	ORIGIN TIME (GMT)	LAT	LONG	DEPTH* (KM)	MB	MS	GEOGRAPHIC REGION
14	23 9 23.77	51.31 N	179.90 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
15	0 8 59.12	50.34 N	178.24 E	19.4 F			RAT ISLANDS, ALEUTIAN ISLANDS
15	0 24 2.30	54.21 N	133.73 W	33.0 T	5.2		QUEEN CHARLOTTE ISLANDS REGION
15	1 34 46.01	51.64 N	179.46 E	80.1 F			RAT ISLANDS, ALEUTIAN ISLANDS
15	8 24 7.70	51.54 N	178.48 E	62.5 F			RAT ISLANDS, ALEUTIAN ISLANDS
15	9 41 46.82	51.23 N	179.69 E	34.9 F			RAT ISLANDS, ALEUTIAN ISLANDS
15	10 20 8.57	52.16 N	178.08 E	132.5 F			RAT ISLANDS, ALEUTIAN ISLANDS
15	12 25 9.01	51.16 N	178.69 E	28.5 F			RAT ISLANDS, ALEUTIAN ISLANDS
15	15 50 53.01	51.44 N	179.22 E	37.6 F			RAT ISLANDS, ALEUTIAN ISLANDS
15	17 8 51.69	51.34 N	179.88 W	25.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
15	18 15 44.90	25.22 S	178.42 E	590.0 T	5.3		SOUTH OF FIJI ISLANDS
15	18 43 38.01	51.36 N	179.82 E	9.3 F			RAT ISLANDS, ALEUTIAN ISLANDS
15	19 50 15.18	51.85 N	179.59 W	113.9 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
15	20 17 39.35	51.20 N	179.35 E	30.9 F			RAT ISLANDS, ALEUTIAN ISLANDS
15	21 12 18.23	51.96 N	179.96 E	171.0 F			RAT ISLANDS, ALEUTIAN ISLANDS
15	22 20 52.23	51.56 N	178.80 E	19.6 F			RAT ISLANDS, ALEUTIAN ISLANDS
15	23 0 47.40	5.42 S	152.46 E	33.0 T	5.2		NEW BRITAIN REGION
16	0 32 54.90	50.15 N	177.66 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
16	1 38 35.56	51.71 N	179.92 E	17.9 F			RAT ISLANDS, ALEUTIAN ISLANDS
16	2 33 59.71	52.17 N	175.91 W	200.0 D			ANDREANOF ISLANDS, ALEUTIANS ISLANDS
16	4 31 28.40	59.26 N	154.22 W	33.0 T			SOUTHERN ALASKA
16	6 40 16.81	52.05 N	179.84 E	177.6 F			RAT ISLANDS, ALEUTIAN ISLANDS
16	11 1 1.35	51.73 N	177.99 E	72.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
16	11 3 4.98	52.13 N	179.98 E	174.9 F			RAT ISLANDS, ALEUTIAN ISLANDS
16	11 7 13.69	51.22 N	179.81 E	43.5 F			RAT ISLANDS, ALEUTIAN ISLANDS
16	14 33 58.90	51.57 N	178.79 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
16	19 29 38.16	51.57 N	178.73 E	63.9 F			RAT ISLANDS, ALEUTIAN ISLANDS
17	3 39 15.40	55.26 N	161.45 W	33.0 T	4.3		ALASKA PENINSULA
17	5 32 42.90	7.01 N	94.69 E	138.0 T	5.8		NICOBAR ISLANDS REGION
17	8 56 28.34	51.07 N	179.94 W	33.8 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
17	9 43 5.79	51.93 N	178.67 E	104.0 F			RAT ISLANDS, ALEUTIAN ISLANDS

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JUL 1971	ORIGIN TIME (GMT)	LAT	LONG	DEPTH* (KM)	MB	MS	GEOGRAPHIC REGION
17	10 14 4.63	51.63 N	178.84 E	22.7 F			RAT ISLANDS, ALEUTIAN ISLANDS
17	12 7 37.00	51.63 N	178.94 E	74.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
17	12 46 56.95	51.56 N	178.79 E	21.4 F			RAT ISLANDS, ALEUTIAN ISLANDS
17	14 40 49.32	51.72 N	179.92 E	21.0 F			RAT ISLANDS, ALEUTIAN ISLANDS
17	15 6 40.82	50.52 N	178.92 E	27.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
17	15 46 28.23	51.90 N	179.80 E	147.0 F			RAT ISLANDS, ALEUTIAN ISLANDS
17	21 17 48.34	50.87 N	178.28 E	35.8 F			RAT ISLANDS, ALEUTIAN ISLANDS
17	23 7 18.45	52.32 N	179.05 W	249.0 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
17	23 10 28.62	51.44 N	178.80 E	41.7 F			RAT ISLANDS, ALEUTIAN ISLANDS
17	23 34 31.11	51.57 N	178.80 E	21.4 F			RAT ISLANDS, ALEUTIAN ISLANDS
18	0 7 3.71	51.65 N	178.74 E	18.8 F			RAT ISLANDS, ALEUTIAN ISLANDS
18	3 42 11.58	51.94 N	178.51 E	75.5 F			RAT ISLANDS, ALEUTIAN ISLANDS
18	4 0 56.04	51.42 N	178.75 E	43.9 F			RAT ISLANDS, ALEUTIAN ISLANDS
18	4 6 36.57	51.12 N	179.65 E	31.9 F			RAT ISLANDS, ALEUTIAN ISLANDS
18	6 56 36.79	51.41 N	179.57 E	63.9 F			RAT ISLANDS, ALEUTIAN ISLANDS
18	11 4 37.60	20.83 S	178.76 W	628.0 T	4.9		FIJI ISLANDS REGION
18	11 17 29.69	50.33 N	179.98 W	50.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
18	12 56 45.09	50.73 N	179.94 W	35.4 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
18	13 50 2.22	52.04 N	179.30 E	185.0 F			RAT ISLANDS, ALEUTIAN ISLANDS
18	14 12 12.08	51.50 N	179.04 E	55.6 F			RAT ISLANDS, ALEUTIAN ISLANDS
18	14 31 17.50	4.83 S	153.30 E	46.0 T	5.7	6.6	NEW IRELAND REGION
18	14 41 20.60	51.30 N	177.64 E	0.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
18	15 41 9.11	51.53 N	179.35 W	65.2 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
18	23 9 14.88	50.87 N	179.85 W	34.0 F	4.0		DELAROF ISLANDS, ALEUTIAN ISLANDS
18	23 30 59.16	50.62 N	175.31 E	50.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
19	0 14 45.30	5.69 S	153.80 E	42.0 T	5.8	7.1	NEW IRELAND REGION
19	0 33 25.65	51.16 N	179.33 E	41.9 F			RAT ISLANDS, ALEUTIAN ISLANDS
19	1 20 42.84	51.41 N	179.98 W	62.0 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
19	1 45 43.57	50.14 N	178.43 E	50.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
19	2 13 57.55	52.17 N	179.36 E	159.0 F			RAT ISLANDS, ALEUTIAN ISLANDS
19	4 35 19.19	51.48 N	179.04 E	59.0 F			RAT ISLANDS, ALEUTIAN ISLANDS

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JUL 1971	ORIGIN TIME (GMT)	LAT	LONG	DEPTH* (KM)	MB	MS	GEOGRAPHIC REGION
19	6 15 51.50	51.23 N	178.49 E	34.5 F			RAT ISLANDS, ALEUTIAN ISLANDS
19	13 49 7.67	51.34 N	179.50 W	0.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
19	14 4 57.39	52.16 N	179.63 E	192.0 F			RAT ISLANDS, ALEUTIAN ISLANDS
19	14 19 53.60	52.13 N	175.96 W	46.0 T	4.3		ANDREANOF ISLANDS, ALEUTIANS ISLANDS
19	15 37 46.10	5.52 S	150.60 E	33.0 T	5.3	6.2	NEW BRITAIN REGION
19	16 28 50.26	50.65 N	179.83 W	21.9 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
19	16 54 .47	52.00 N	179.58 E	155.5 F			RAT ISLANDS, ALEUTIAN ISLANDS
19	22 53 44.00	62.77 N	149.05 W	33.0 T	4.6		CENTRAL ALASKA
20	0 4 37.95	51.21 N	178.62 E	25.0 F			RAT ISLANDS, ALEUTIAN ISLANDS
20	5 27 12.69	51.51 N	178.93 E	70.0 F			RAT ISLANDS, ALEUTIAN ISLANDS
20	6 52 6.39	51.27 N	179.69 E	41.7 F			RAT ISLANDS, ALEUTIAN ISLANDS
20	8 10 54.49	52.19 N	179.61 E	198.0 F			RAT ISLANDS, ALEUTIAN ISLANDS
20	10 50 24.71	51.56 N	178.79 E	22.8 F			RAT ISLANDS, ALEUTIAN ISLANDS
20	11 10 20.97	51.36 N	178.16 E	50.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
20	11 12 6.22	51.27 N	178.14 E	26.8 F			RAT ISLANDS, ALEUTIAN ISLANDS
20	12 2 31.37	52.03 N	178.25 E	133.7 F			RAT ISLANDS, ALEUTIAN ISLANDS
20	12 45 16.25	51.25 N	178.58 E	36.4 F			RAT ISLANDS, ALEUTIAN ISLANDS
20	14 18 32.67	52.08 N	179.62 E	133.8 F			RAT ISLANDS, ALEUTIAN ISLANDS
20	15 59 7.03	51.94 N	179.24 W	25.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
20	18 14 .07	51.75 N	179.41 E	193.1 F			RAT ISLANDS, ALEUTIAN ISLANDS
20	21 25 55.90	5.60 S	153.93 E	53.0 T	5.4		NEW IRELAND REGION
20	22 22 3.54	51.57 N	178.80 E	21.0 F			RAT ISLANDS, ALEUTIAN ISLANDS
20	23 14 49.10	52.19 N	178.05 E	133.6 F			RAT ISLANDS, ALEUTIAN ISLANDS
21	0 53 21.50	52.19 N	170.45 W	34.0 T	3.7		FOX ISLANDS, ALEUTIAN ISLANDS
21	2 4 4.10	51.35 N	179.95 E	29.9 F			RAT ISLANDS, ALEUTIAN ISLANDS
21	3 23 55.10	51.26 N	178.04 W	50.0 D			ANDREANOF ISLANDS, ALEUTIANS ISLANDS
21	4 4 40.18	51.44 N	179.26 E	40.6 F			RAT ISLANDS, ALEUTIAN ISLANDS
21	4 4 15.80	52.08 N	170.48 W	33.0 T	4.2		FOX ISLANDS, ALEUTIAN ISLANDS
21	5 41 22.17	51.50 N	179.03 E	76.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
21	7 48 23.05	51.17 N	178.96 E	33.4 F			RAT ISLANDS, ALEUTIAN ISLANDS
21	8 47 5.40	51.35 N	176.60 W	37.0 T			ANDREANOF ISLANDS, ALEUTIANS ISLANDS

JUL 1971	ORIGIN TIME (GHT)	LAT	LONG	DEPTH* (KM)	MB	MS	GEOGRAPHIC REGION
21	8 53 19.44	51.46 N	178.86 E	65.9 F			RAT ISLANDS, ALEUTIAN ISLANDS
21	9 45 8.26	51.44 N	178.66 E	38.0 F			RAT ISLANDS, ALEUTIAN ISLANDS
21	11 36 12.70	60.49 N	149.68 W	38.0 T	3.3		KENAI PENINSULA, ALASKA
21	12 49 7.63	49.91 N	178.20 E	75.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
21	13 10 40.71	51.76 N	177.89 E	67.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
21	17 39 25.20	51.25 N	179.45 E	32.4 F			RAT ISLANDS, ALEUTIAN ISLANDS
21	17 57 12.44	50.97 N	177.77 E	24.6 F			RAT ISLANDS, ALEUTIAN ISLANDS
21	19 48 .44	51.53 N	179.02 E	24.6 F			RAT ISLANDS, ALEUTIAN ISLANDS
22	5 9 53.93	51.56 N	179.20 W	72.1 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
22	6 30 18.51	51.57 N	179.75 W	62.1 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
22	11 16 43.00	52.12 N	179.82 W	170.5 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
22	14 19 15.93	50.88 N	179.80 W	25.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
22	16 25 20.69	51.14 N	179.32 E	27.6 F			RAT ISLANDS, ALEUTIAN ISLANDS
22	19 15 54.16	51.10 N	172.81 E	75.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
22	21 40 8.18	51.54 N	179.09 E	73.8 F			RAT ISLANDS, ALEUTIAN ISLANDS
23	0 30 35.83	51.17 N	179.05 E	31.9 F			RAT ISLANDS, ALEUTIAN ISLANDS
23	1 0 41.33	50.28 N	178.38 E	18.8 F			RAT ISLANDS, ALEUTIAN ISLANDS
23	6 45 45.10	17.63 S	178.89 W	547.0 T	5.2		FIJI ISLANDS REGION
23	7 45 33.62	50.92 N	179.39 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
23	8 1 22.70	52.67 N	160.58 E	33.0 T	4.8	4.3	OFF EAST COAST OF KAMCHATKA
23	10 4 11.38	51.57 N	179.88 W	185.9 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
23	13 2 50.23	52.02 N	179.23 E	148.9 F			RAT ISLANDS, ALEUTIAN ISLANDS
23	13 52 5.36	51.48 N	179.92 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
23	17 32 14.23	51.07 N	179.53 W	34.5 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
23	18 19 3.19	51.65 N	179.47 E	86.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
23	20 56 23.15	51.08 N	179.13 W	27.4 F	4.0		DELAROF ISLANDS, ALEUTIAN ISLANDS
23	21 38 39.22	51.08 N	179.54 W	32.5 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
23	23 41 15.64	51.56 N	179.64 E	72.3 F			RAT ISLANDS, ALEUTIAN ISLANDS
24	1 29 52.11	51.38 N	179.19 E	25.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
24	2 32 8.38	51.50 N	179.76 W	71.8 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
24	6 21 25.08	51.57 N	178.90 E	64.7 F			RAT ISLANDS, ALEUTIAN ISLANDS

JUL 1971	ORIGIN TIME (GMT)	LAT	LONG	DEPTH* (KM)	MB	MS	GEOGRAPHIC REGION
24	9 28 55.75	51.02 N	178.84 E	50.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
24	11 3 52.52	51.05 N	179.14 E	30.6 F			RAT ISLANDS, ALEUTIAN ISLANDS
24	12 0 16.40	52.03 N	177.99 E	138.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
24	13 20 40.70	51.08 N	179.45 W	31.1 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
24	14 33 59.48	51.72 N	179.36 W	82.5 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
24	20 16 5.43	52.05 N	179.76 E	177.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
24	20 36 18.86	51.07 N	179.14 E	33.0 F			RAT ISLANDS, ALEUTIAN ISLANDS
24	21 15 18.37	51.56 N	178.81 E	71.8 F			RAT ISLANDS, ALEUTIAN ISLANDS
24	23 15 22.30	62.12 N	150.94 W	64.0 T			CENTRAL ALASKA
25	7 4 13.03	51.30 N	179.58 W	.8 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
25	8 57 46.65	50.99 N	179.21 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
25	9 32 3.02	51.08 N	179.17 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
25	14 14 23.40	5.94 S	129.79 E	151.0 T	5.7		BANDA SEA
25	15 37 41.03	51.30 N	178.83 E	44.1 F			RAT ISLANDS, ALEUTIAN ISLANDS
25	15 41 21.30	52.15 N	173.09 E	28.0 T	5.8	6.3	RAT ISLANDS, ALEUTIAN ISLANDS
25	15 56 4.40	51.97 N	173.21 E	22.0 T	4.7		RAT ISLANDS, ALEUTIAN ISLANDS
25	17 31 3.08	51.67 N	177.83 E	70.1 F			RAT ISLANDS, ALEUTIAN ISLANDS
25	18 13 26.90	51.96 N	172.86 E	33.0 T	4.6		RAT ISLANDS, ALEUTIAN ISLANDS
25	18 22 49.50	51.80 N	172.75 E	3.0 T	4.3		RAT ISLANDS, ALEUTIAN ISLANDS
25	18 26 37.50	52.41 N	173.52 W	83.0 T	4.8		ANDREANOF ISLANDS, ALEUTIAN IS.
25	19 48 45.46	51.11 N	178.26 E	29.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
25	20 46 9.14	51.27 N	179.48 E	49.5 F			RAT ISLANDS, ALEUTIAN ISLANDS
25	20 49 53.40	52.05 N	173.02 E	27.0 T	4.8		RAT ISLANDS, ALEUTIAN ISLANDS
25	23 20 59.50	51.97 N	172.95 E	25.0 T	4.6		RAT ISLANDS, ALEUTIAN ISLANDS
25	23 47 16.00	51.96 N	173.19 E	36.0 T	4.7		RAT ISLANDS, ALEUTIAN ISLANDS
26	1 3 48.17	51.28 N	178.18 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
26	1 10 20.16	51.28 N	179.56 W	62.2 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
26	1 23 21.30	4.94 S	153.17 E	48.0 T	6.3	7.9	NEW IRELAND REGION
26	1 48 33.90	39.90 N	77.17 E	33.0 T	6.0		SOUTHERN SINKIANG PROV., CHINA
26	1 53 45.10	4.66 S	153.26 E	33.0 T	5.6		NEW IRELAND REGION
26	2 24 57.00	5.17 S	152.22 E	33.0 T	6.4		NEW BRITAIN REGION

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JUL 1971	ORIGIN TIME (GMT)	LAT	LONG	DEPTH* (KM)	MB	MS	GEOGRAPHIC REGION
26	4 10 14.44	52.30 N	179.74 W	228.3 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
26	5 43 9.98	51.45 N	179.94 E	65.9 F			RAT ISLANDS, ALEUTIAN ISLANDS
26	6 53 48.70	51.20 N	178.37 E	29.0 F			RAT ISLANDS, ALEUTIAN ISLANDS
26	6 59 28.30	5.49 S	152.11 E	33.0 T	5.7	5.9	NEW BRITAIN REGION
26	10 40 41.63	51.46 N	178.80 E	41.3 F			RAT ISLANDS, ALEUTIAN ISLANDS
26	12 30 18.13	51.40 N	179.50 E	24.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
26	13 10 4.55	52.25 N	179.44 W	265.5 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
26	14 39 45.47	51.24 N	178.33 E	19.5 F			RAT ISLANDS, ALEUTIAN ISLANDS
26	15 23 9.05	51.45 N	179.62 E	13.8 F			RAT ISLANDS, ALEUTIAN ISLANDS
26	15 35 37.80	5.63 S	151.41 E	33.0 T	5.4	6.2	NEW BRITAIN REGION
26	16 6 19.78	52.16 N	179.84 W	181.0 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
26	16 17 35.50	63.28 N	149.73 W	33.0 T	4.1		CENTRAL ALASKA
26	16 59 57.05	51.86 N	176.82 E	75.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
26	17 19 22.19	51.29 N	178.92 E	34.0 F			RAT ISLANDS, ALEUTIAN ISLANDS
26	17 15 45.20	5.72 S	152.32 E	33.0 T	5.2	5.3	NEW BRITAIN REGION
26	17 34 10.60	51.62 N	179.44 E	73.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
26	19 17 55.39	50.64 N	177.22 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
26	19 38 17.97	51.27 N	178.12 E	30.3 F			RAT ISLANDS, ALEUTIAN ISLANDS
26	21 2 29.23	51.26 N	179.56 W	33.8 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
26	23 9 16.56	51.57 N	178.08 E	61.3 F			RAT ISLANDS, ALEUTIAN ISLANDS
27	0 22 25.30	5.39 S	152.37 E	33.0 T	5.4	5.3	NEW BRITAIN REGION
27	2 3 20.40	4.87 S	153.30 E	55.0 T	5.8		NEW IRELAND REGION
27	2 2 49.60	2.76 S	77.42 W	135.0 T	6.3		PERU-ECUADOR BORDER REGION
27	3 17 46.10	52.11 N	173.05 E	38.0 T	4.8		RAT ISLANDS, ALEUTIAN ISLANDS
27	5 30 24.91	51.58 N	179.41 E	75.9 F			RAT ISLANDS, ALEUTIAN ISLANDS
27	15 20 33.80	52.46 N	173.97 E	56.0 T	4.3		RAT ISLANDS, ALEUTIAN ISLANDS
27	15 37 23.94	51.53 N	177.67 E	49.0 F			RAT ISLANDS, ALEUTIAN ISLANDS
27	20 28 49.67	50.94 N	179.20 E	35.6 F	4.9		RAT ISLANDS, ALEUTIAN ISLANDS
27	20 32 28.35	50.96 N	179.20 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
27	20 35 24.82	50.94 N	179.20 E	36.5 F	4.7		RAT ISLANDS, ALEUTIAN ISLANDS
27	20 37 8.01	51.04 N	179.30 E	41.2 F	3.5		RAT ISLANDS, ALEUTIAN ISLANDS

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JUL 1971	ORIGIN TIME (GMT)	LAT	LONG	DEPTH* (KM)	MB	MS	GEOGRAPHIC REGION
27	20 38 54.71	50.95 N	179.01 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
27	20 40 30.46	51.20 N	179.28 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
27	20 40 52.37	50.96 N	179.44 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
27	20 41 54.29	50.94 N	179.11 E	6.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
27	20 44 42.40	50.93 N	179.22 E	26.7 F			RAT ISLANDS, ALEUTIAN ISLANDS
27	20 48 8.55	50.94 N	179.28 E	24.4 F			RAT ISLANDS, ALEUTIAN ISLANDS
27	20 49 10.08	50.96 N	179.16 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
27	20 55 34.34	50.90 N	179.20 E	22.5 F			RAT ISLANDS, ALEUTIAN ISLANDS
27	20 59 19.60	50.95 N	179.22 E	34.0 F			RAT ISLANDS, ALEUTIAN ISLANDS
27	21 2 51.89	51.04 N	179.36 E	38.8 F			RAT ISLANDS, ALEUTIAN ISLANDS
27	21 7 24.53	50.93 N	179.13 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
27	21 10 25.03	50.92 N	179.18 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
27	21 17 27.75	50.94 N	179.15 E	24.0 F			RAT ISLANDS, ALEUTIAN ISLANDS
27	21 19 25.86	50.97 N	179.22 E	26.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
27	21 53 17.18	51.03 N	179.10 E	27.6 F			RAT ISLANDS, ALEUTIAN ISLANDS
27	21 57 41.75	51.05 N	179.40 E	39.9 F			RAT ISLANDS, ALEUTIAN ISLANDS
27	22 2 30.67	50.95 N	179.20 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
27	22 13 49.03	50.90 N	179.23 E	26.4 F			RAT ISLANDS, ALEUTIAN ISLANDS
27	22 31 59.82	51.28 N	178.50 E	39.7 F			RAT ISLANDS, ALEUTIAN ISLANDS
27	22 58 51.09	50.94 N	179.24 E	30.4 F			RAT ISLANDS, ALEUTIAN ISLANDS
27	23 0 52.67	51.25 N	179.24 E	52.3 F			RAT ISLANDS, ALEUTIAN ISLANDS
27	23 2 37.91	50.95 N	179.34 E	27.9 F			RAT ISLANDS, ALEUTIAN ISLANDS
27	23 55 3.48	51.39 N	179.89 E	8.4 F			RAT ISLANDS, ALEUTIAN ISLANDS
28	0 1 23.33	50.83 N	179.23 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
28	0 2 23.17	50.90 N	179.19 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
28	0 36 54.23	51.52 N	178.37 E	56.0 F			RAT ISLANDS, ALEUTIAN ISLANDS
28	1 10 24.10	5.14 S	152.88 E	33.0 T	6.0	6.4	NEW BRITAIN REGION
28	1 28 12.64	52.03 N	178.03 E	67.8 F			RAT ISLANDS, ALEUTIAN ISLANDS
28	3 5 46.04	51.21 N	178.41 E	19.8 F			RAT ISLANDS, ALEUTIAN ISLANDS
28	3 57 50.48	51.59 N	179.77 E	81.3 F			RAT ISLANDS, ALEUTIAN ISLANDS
28	4 35 1.20	52.48 N	173.10 E	54.0 T	4.2		RAT ISLANDS, ALEUTIAN ISLANDS

JUL 1971	ORIGIN TIME (GMT)	LAT	LONG	DEPTH* (KM)	MB	MS	GEOGRAPHIC REGION
28	7 31 48.10	50.82 N	179.10 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
28	8 14 29.62	50.98 N	179.16 E	34.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
28	8 29 21.32	50.97 N	179.14 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
28	8 47 22.36	50.93 N	179.19 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
28	10 35 37.59	50.93 N	179.13 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
28	10 53 55.77	50.92 N	179.20 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
28	11 33 54.53	50.95 N	179.17 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
28	12 31 19.63	50.95 N	179.27 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
28	12 35 56.73	50.96 N	179.27 E	20.5 F			RAT ISLANDS, ALEUTIAN ISLANDS
28	13 12 11.52	51.34 N	179.72 W	33.3 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
28	14 29 17.03	50.98 N	179.16 E	26.3 F			RAT ISLANDS, ALEUTIAN ISLANDS
28	14 42 44.71	50.98 N	179.16 E	26.1 F			RAT ISLANDS, ALEUTIAN ISLANDS
28	19 31 58.88	50.98 N	179.16 E	25.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
28	19 56 35.46	50.97 N	179.16 E	28.9 F			RAT ISLANDS, ALEUTIAN ISLANDS
28	20 5 47.34	50.77 N	178.32 E	30.9 F	4.0		RAT ISLANDS, ALEUTIAN ISLANDS
28	20 17 42.95	50.70 N	179.24 E	29.7 F			RAT ISLANDS, ALEUTIAN ISLANDS
28	21 59 57.24	51.03 N	179.20 E	37.3 F			RAT ISLANDS, ALEUTIAN ISLANDS
28	22 3 31.08	50.97 N	179.15 E	23.0 F			RAT ISLANDS, ALEUTIAN ISLANDS
28	23 33 2.79	50.99 N	179.22 E	36.9 F	3.5		RAT ISLANDS, ALEUTIAN ISLANDS
28	23 38 43.25	50.96 N	179.17 E	23.4 F			RAT ISLANDS, ALEUTIAN ISLANDS
28	23 41 18.36	50.97 N	179.18 E	23.4 F			RAT ISLANDS, ALEUTIAN ISLANDS
28	23 49 18.91	51.01 N	179.15 E	25.6 F			RAT ISLANDS, ALEUTIAN ISLANDS
29	0 14 3.32	51.05 N	179.22 E	38.1 F			RAT ISLANDS, ALEUTIAN ISLANDS
29	0 32 4.57	51.10 N	179.33 E	41.0 F			RAT ISLANDS, ALEUTIAN ISLANDS
29	0 56 18.50	51.06 N	179.33 E	40.8 F			RAT ISLANDS, ALEUTIAN ISLANDS
29	0 58 1.89	50.95 N	179.16 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
29	1 8 5.15	51.21 N	179.47 E	50.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
29	1 29 15.09	51.79 N	179.99 E	103.3 F			RAT ISLANDS, ALEUTIAN ISLANDS
29	1 47 38.15	51.09 N	179.25 E	39.6 F	3.5		RAT ISLANDS, ALEUTIAN ISLANDS
29	2 3 5.36	50.99 N	179.20 E	35.4 F			RAT ISLANDS, ALEUTIAN ISLANDS
29	2 3 58.66	51.10 N	179.30 E	43.0 F			RAT ISLANDS, ALEUTIAN ISLANDS

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JUL 1971	ORIGIN TIME (GMT)	LAT	LONG	DEPTH* (KM)	MB	MS	GEOGRAPHIC REGION
29	2 12 22.85	50.97 N	179.17 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
29	2 17 45.02	50.98 N	179.13 E	19.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
29	2 18 20.08	51.45 N	179.86 E	0.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
29	2 24 50.54	50.98 N	179.18 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
29	2 28 57.81	50.98 N	179.19 E	25.4 F			RAT ISLANDS, ALEUTIAN ISLANDS
29	2 39 16.33	51.40 N	179.26 E	0.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
29	3 8 49.55	51.74 N	178.78 E	88.8 F			RAT ISLANDS, ALEUTIAN ISLANDS
29	4 6 29.27	51.01 N	179.17 E	25.5 F			RAT ISLANDS, ALEUTIAN ISLANDS
29	4 41 59.95	51.06 N	179.36 E	36.3 F			RAT ISLANDS, ALEUTIAN ISLANDS
29	5 1 17.29	50.95 N	179.27 E	19.1 F			RAT ISLANDS, ALEUTIAN ISLANDS
29	5 43 44.86	51.00 N	179.17 E	26.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
29	5 48 55.53	50.99 N	179.16 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
29	5 49 37.96	50.96 N	179.31 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
29	6 18 27.51	50.97 N	179.45 E	42.5 F			RAT ISLANDS, ALEUTIAN ISLANDS
29	6 23 25.49	51.02 N	179.29 E	36.8 F			RAT ISLANDS, ALEUTIAN ISLANDS
29	7 1 10.06	50.64 N	177.01 E	0.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
29	7 47 57.25	51.83 N	178.99 E	124.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
29	7 56 20.32	50.98 N	179.18 E	27.3 F			RAT ISLANDS, ALEUTIAN ISLANDS
29	8 16 6.29	51.51 N	178.76 E	22.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
29	8 47 7.92	52.23 N	179.40 W	225.9 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
29	8 55 56.82	50.92 N	179.20 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
29	9 49 20.93	51.51 N	179.49 W	0.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
29	10 50 22.56	50.91 N	179.13 E	31.1 F			RAT ISLANDS, ALEUTIAN ISLANDS
29	10 59 22.35	51.09 N	179.27 E	39.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
29	11 21 45.06	51.02 N	179.22 E	34.3 F			RAT ISLANDS, ALEUTIAN ISLANDS
29	11 36 54.56	50.98 N	179.20 E	22.9 F			RAT ISLANDS, ALEUTIAN ISLANDS
29	11 39 48.57	50.96 N	179.19 E	23.1 F			RAT ISLANDS, ALEUTIAN ISLANDS
29	11 58 4.73	51.01 N	179.22 E	25.6 F			RAT ISLANDS, ALEUTIAN ISLANDS
29	12 50 9.14	50.97 N	179.18 E	26.9 F			RAT ISLANDS, ALEUTIAN ISLANDS
29	13 2 4.76	50.94 N	179.29 E	23.3 F			RAT ISLANDS, ALEUTIAN ISLANDS
29	13 25 36.55	51.04 N	179.84 W	17.7 F			DELAROF ISLANDS, ALEUTIAN ISLANDS

JUL 1971	ORIGIN TIME (GMT)	LAT	LONG	DEPTH* (KM)	MB	MS	GEOGRAPHIC REGION
29	13 26 31.35	51.04 N	179.82 W	29.6 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
29	13 35 51.86	50.96 N	179.18 E	36.3 F	3.5		RAT ISLANDS, ALEUTIAN ISLANDS
29	13 48 20.31	50.98 N	179.17 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
29	15 50 37.89	50.99 N	179.20 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
29	16 11 40.00	51.42 N	177.44 W	42.0 T	4.2		ANDREANOF ISLANDS, ALEUTIANS ISLANDS
29	16 42 14.39	51.85 N	179.75 W	103.4 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
29	17 5 17.36	51.02 N	179.37 E	33.5 F			RAT ISLANDS, ALEUTIAN ISLANDS
29	17 22 3.76	51.43 N	179.91 W	63.1 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
29	17 24 28.50	51.01 N	179.22 E	35.0 F			RAT ISLANDS, ALEUTIAN ISLANDS
29	17 34 47.51	51.00 N	179.15 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
29	17 45 10.58	51.00 N	179.13 E	23.4 F			RAT ISLANDS, ALEUTIAN ISLANDS
29	17 47 51.08	50.95 N	179.15 E	15.6 F			RAT ISLANDS, ALEUTIAN ISLANDS
29	18 23 .72	50.96 N	179.13 E	29.8 F			RAT ISLANDS, ALEUTIAN ISLANDS
29	19 17 28.98	51.09 N	179.33 E	40.4 F			RAT ISLANDS, ALEUTIAN ISLANDS
29	20 34 36.02	50.91 N	179.15 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
29	22 18 20.10	52.08 N	173.38 E	42.0 T	5.6	5.6	RAT ISLANDS, ALEUTIAN ISLANDS
29	22 54 15.77	51.17 N	179.45 E	42.8 F			RAT ISLANDS, ALEUTIAN ISLANDS
29	23 27 40.17	50.99 N	179.18 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
29	23 28 12.29	51.00 N	179.13 E	25.6 F			RAT ISLANDS, ALEUTIAN ISLANDS
30	0 7 22.40	52.10 N	173.46 E	45.0 T	4.9	4.7	RAT ISLANDS, ALEUTIAN ISLANDS
30	1 35 19.25	51.78 N	179.66 E	92.8 F			RAT ISLANDS, ALEUTIAN ISLANDS
30	2 7 52.10	62.07 N	151.28 W	78.0 T	4.0		CENTRAL ALASKA
30	2 8 44.85	51.01 N	179.17 E	29.3 F			RAT ISLANDS, ALEUTIAN ISLANDS
30	2 14 15.12	50.97 N	179.16 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
30	2 25 32.58	50.97 N	179.17 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
30	3 36 45.38	50.97 N	179.10 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
30	4 15 40.68	51.11 N	179.17 E	28.6 F			RAT ISLANDS, ALEUTIAN ISLANDS
30	5 17 39.96	50.98 N	179.18 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
30	5 23 45.62	50.97 N	179.18 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
30	6 5 45.80	51.36 N	176.65 W	37.0 T	4.1		ANDREANOF ISLANDS, ALEUTIANS ISLANDS
30	6 18 12.00	4.54 S	152.87 E	42.0 T	5.7	5.6	NEW BRITAIN REGION

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JUL 1971	ORIGIN TIME (GMT)	LAT	LONG	DEPTH* (KM)	MB	MS	GEOGRAPHIC REGION
30	7 13 21.38	50.82 N	179.20 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
30	9 28 30.82	51.00 N	179.84 W	34.5 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
30	9 49 35.06	50.99 N	179.14 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
30	10 36 26.70	63.68 N	149.61 W	34.0 T	3.4		CENTRAL ALASKA
30	10 42 27.34	51.02 N	179.82 W	35.4 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
30	12 10 45.88	51.59 N	179.75 E	73.4 F			RAT ISLANDS, ALEUTIAN ISLANDS
30	12 32 37.75	51.55 N	178.83 E	69.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
30	20 9 54.46	51.13 N	179.88 E	29.4 F			RAT ISLANDS, ALEUTIAN ISLANDS
30	20 47 1.60	5.25 S	153.27 E	33.0 T	5.5	5.3	NEW IRELAND REGION
30	21 52 49.20	51.62 N	179.65 E	108.4 F			RAT ISLANDS, ALEUTIAN ISLANDS
31	1 44 12.80	51.35 N	179.35 E	55.4 F			RAT ISLANDS, ALEUTIAN ISLANDS
31	2 30 8.54	51.82 N	177.30 E	76.5 F			RAT ISLANDS, ALEUTIAN ISLANDS
31	3 47 31.21	51.03 N	179.13 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
31	6 1 19.33	52.20 N	178.38 E	178.0 F			RAT ISLANDS, ALEUTIAN ISLANDS
31	7 13 33.23	51.93 N	178.37 W	108.3 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
31	7 27 8.03	50.85 N	179.14 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
31	7 31 35.03	50.95 N	179.16 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
31	10 2 19.34	50.97 N	179.14 E	22.0 F			RAT ISLANDS, ALEUTIAN ISLANDS
31	12 25 25.45	50.97 N	179.19 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
31	12 49 44.23	51.52 N	179.44 E	65.5 F			RAT ISLANDS, ALEUTIAN ISLANDS
31	13 4 2.84	52.12 N	179.85 E	173.0 F			RAT ISLANDS, ALEUTIAN ISLANDS
31	14 6 35.97	51.68 N	179.31 E	200.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
31	18 41 30.58	50.42 N	177.60 E	0.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
31	19 24 7.69	51.53 N	179.21 E	65.4 F			RAT ISLANDS, ALEUTIAN ISLANDS
31	21 0 29.06	52.34 N	179.59 E	193.9 F			RAT ISLANDS, ALEUTIAN ISLANDS
31	22 44 12.20	51.18 N	178.22 E	27.0 F			RAT ISLANDS, ALEUTIAN ISLANDS

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

SEISMICITY FIGURES

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

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

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

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

DEPTH OF FOCUS (km)

	0-50	50-100	100-150	150-200	200-250
$m_B = 3.0$	*	□	×	◇	+
$m_B = 4.0$	✱	□	×	◇	+
$m_B = 5.0$	✱	□	×	◇	+
$m_B = 6.0$	✱	□	×	◇	+
$m_B = 7.0$	✱	□	×	◇	+

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 ⁺	-165.0 ⁺	50.0 ⁺

55.0 ^{-165.0}	-164.0	-163.0	-162.0	-161.0	-160.0
55.0					55.0

54.5					54.5
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54.0					54.0
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53.5					53.5
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53.0					53.0
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52.5					52.5
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52.0					52.0
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51.5					51.5
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51.0					51.0
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50.5					50.5
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50.0 ^{-165.0}	-164.0	-163.0	-162.0	-161.0	50.0
					-160.0