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ALEUTIAN SEISMIC PROGRAM
SEISMOLOGICAL BULLETIN
DECEMBER 1971

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BY J. H. Kahn / 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

$$MB = -0.76 + \log_{10}(AMP/PER) + 0.91 \cdot \log_{10}(SLANT \text{ DISTANCE})$$
 FOR EVENTS OF EPICENTER DISTANCE LESS THAN
 200 KM FROM STATION
 DIST - GREAT CIRCLE DISTANCE TO EVENT IN KILOMETERS
 AZI - STATION TO EPICENTER AZIMUTH IN DEGREES TAKEN CLOCKWISE FROM NORTH
 RES - PHASE TRAVEL TIME RESIDUAL IN SECONDS (O-C)
 REMARKS- DESCRIPTIVE INFORMATION

DESCRIPTION OF HYPOCENTER INFORMATION

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

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

ALEUTIAN SEISMIC NETWORK

CODE	STATION	PERIOD OF OPERATION	LATITUDE (DEG MIN SEC)	LONGITUDE (DEG MIN SEC)	ELEVATION (METERS)
ACA	AMCHITKA CENTRAL A	08/05/71-	51 28 51.4 N	179 07 09.6 E	42
ACB	AMCHITKA CENTRAL B	08/05/71-	51 27 45.4 N	179 05 27.3 E	47
ACC	AMCHITKA CENTRAL C	08/05/71-	51 29 03.4 N	179 02 35.2 E	26
ACD	AMCHITKA CENTRAL D	08/05/71-	51 25 41.4 N	179 08 11.8 E	37
ACE	AMCHITKA CENTRAL E	08/05/71-	51 24 01.8 N	179 10 21.9 E	9
ACF	AMCHITKA CENTRAL F	08/05/71-	51 31 32.7 N	178 59 38.9 E	62
ADK	ADAK OBSERVATORY		51 53 01.4 N	176 41 04.3 W	116
AG1	AMCHITKA GEOPHONE 1	02/10/69-04/10/69	51 24 58.2 N	179 10 49.8 E	
AG3	AMCHITKA GEOPHONE 3	02/10/69-04/10/69	51 25 25.8 N	179 11 24.6 E	
AMA	AMATIGNAK ISLAND	09/10/70-	51 17 17.5 N	179 06 33.5 W	503
AME	AMCHITKA EXPERIMENTAL	01/04/69-26/05/69	51 23 12.0 N	179 15 18.0 E	
ANA	AMCHITKA NORTH A	25/08/69-25/09/69 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
SHY	SHENYA	17/11/70-	52 43 51.0 N	174 06 11.0 E	58
SSI	SEMISSOPCHNOI 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

DEC 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
01	2 14	23.80	51.87 N 179.35 W	DEPTH = 142.2 KM			FREE DEPTH SOLUTION			
			DELAROF ISLANDS, ALEUTIAN ISLANDS							
01	ASD	EP	02 14 47.3	21.6	.1	3.62	105	240	-.1	
01	ASB	EP	02 14 48.0	21.6	.1	3.63	112	241	-.0	
		ES	02 15 5.7						-.0	
01	ASC	EP	02 14 48.3				112	247	.3	
01	AND	E(P)	02 14 48.7				122	255	-.1	
.....										
01	ADK	EP	02 50 48.1							
		ES	02 51 14.5							
01	ADK	EP	03 12 2.7							
		ES	03 12 14.6							
.....										
01	5 15	51.35	51.18 N 179.41 E	DEPTH = 25.0 KM			FIXED DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
01	ASD	IPG	05 15 57.0	17.2	.1	2.88	24	349	-.1	
01	ASB	IPG	05 15 57.0	2.2	.1	1.98	23	331	.0	
01	ASC	EPG	05 15 58.7				36	332	.2	
01	AND	E(P)	05 16 .8				53	324	-.1	
.....										
01	6 53	57.81	51.20 N 178.11 E	DEPTH = 50.0 KM			FIXED DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
01	RAT	EP	06 54 10.6	8.4	.1	2.92	68	13	-.0	
01	AND	EP	06 54 10.9				71	55	-.1	
		ES	06 54 20.5						-.0	
01	ACB	EP	06 54 11.8				74	67	.5	
01	ASD	E(P)	06 54 12.7	4.9	.1	2.76	88	76	-.3	
.....										
01	AMA	EP	07 37 50.3	13.0	.1	2.81				
		E(S)	07 37 54.7							
01	ASD	E(P)	07 38 6.2	1.7	.1	2.44				QP
01	ASB	E(P)	07 38 6.9	3.5	.1	2.77				QP
		ES	07 38 23.5							
01	ASC	EP	07 38 8.2							
.....										
01	7 52	47.59	50.94 N 179.68 E	DEPTH = 50.0 KM			FIXED DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
01	ASD	IPG	07 52 58.2	21.3	.1	3.27	55	335	-.8	
01	ASB	EPG	07 52 58.4	11.6	.1	3.01	55	327	-.6	
		ES	07 53 6.2						-1.1	
01	ASC	EPG	07 52 59.9				68	328	-.5	
01	ACB	E(P)	07 53 .2				71	325	-.6	
01	ACA	E(P)	07 53 .3				72	327	-.5	
01	ACF	E(P)	07 53 1.7				81	324	-.2	
.....										
01	ASD	EPG	09 11 1.9	5.6	.1	2.63				
01	ASB	IPGD	09 11 2.1	27.4	.1	3.33				
		ES	09 11 9.2							
01	ACE	E(P)	09 11 2.9							
01	ASC	EPG	09 11 3.6							
01	ACB	E(P)	09 11 4.0							
01	ACA	E(P)	09 11 4.6							
01	AND	EPG	09 11 5.8							

DEC 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
01	10 21	7.15	50.95 N 179.56 E	DEPTH = 44.5 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
01	ASD	IPGD	10 21 17.3	57.0	.1	3.66	51	343	-.5	
01	ASB	IPGC	10 21 17.5	505.6	.1	4.61	51	334	-.2	
		ES	10 21 24.4						-1.0	
01	ACE	EPG	10 21 18.1				57	332	-.4	
01	ACD	EPG	10 21 18.8				61	331	-.1	
01	ASC	IPGC	10 21 19.1				63	334	-.1	
01	ACB	EPG	10 21 19.4				66	330	-.1	
01	ACA	EPG	10 21 19.5				67	333	-.1	
01	ACF	EPG	10 21 20.7				75	328	.0	
01	AND	IPGC	10 21 21.3				80	328	.0	
01	AMA	EP	10 21 24.0	15.4	.2	2.98	100	68	.2	
01	SSI	EP	10 21 24.9	39.9	.1	3.71	105	1	.6	
01	RAT	E(P)	10 21 27.7	48.2	.1	3.86	127	318	.6	
.....										
01	RAT	IP C	12 15 16.4	355.3	.4					
		E(S)	12 15 51.1							
01	ANA	IP	12 15 20.7							
01	AND	EP	12 15 22.6							
01	ASC	E(P)	12 15 25.8							
01	ASD	EP	12 15 27.0							
		E	12 15 29.1	37.9	.3					
01	SSI	EP	12 15 31.8	127.2	.3					
.....										
01	13 31	44.23	50.95 N 179.60 E	DEPTH = 45.9 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
01	ASD	IPGD	13 31 54.5				53	340	-.6	WHITE OUT
01	ASB	IPGD	13 31 54.6				52	332	-.5	
01	ACE	IPGD	13 31 55.4				59	330	-.4	
01	ACD	IPGD	13 31 56.0				63	329	-.3	
01	ASC	IPGD	13 31 56.4				65	332	-.1	
01	ACA	IPGD	13 31 56.7				68	331	-.2	
01	ACB	IPGD	13 31 56.7				67	329	-.2	
01	ACF	IPG	13 31 57.9				77	327	-.1	
01	AND	IPGD	13 31 58.5				82	327	-.1	
01	AMA	IP	13 32 1.2	86.5	.1	4.03	98	67	.6	QTAMP
		E(S)	13 32 12.3						-.2	
01	SSI	IP D	13 32 2.2				105	360	.7	WHITE OUT
01	RAT	EP	13 32 4.9				130	318	.4	WHITE OUT
01	ADK	EP	13 32 25.1				278	67	2.3	
		ES	13 32 51.2						.2	
.....										
01	13 33	42.84	51.16 N 179.51 E	DEPTH = 25.0 KM			FIXED DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
01	ASD	EPG	13 33 49.0	5.0	.1	2.38	28	336	-.1	
01	ASB	IPG	13 33 49.3	22.5	.1	3.03	29	321	.2	
01	ACE	E(P)	13 33 49.8				36	319	-.2	
01	ASC	EPG	13 33 50.9				41	325	.1	
01	ACB	E(P)	13 33 51.2				44	319	-.0	
.....										
01	13 34	18.08	51.20 N 179.63 E	DEPTH = 25.0 KM			FIXED DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
01	ASD	IPGD	13 34 24.6	7.0	.1	2.53	30	317	.1	
01	ASB	IPGC	13 34 24.9	44.6	.1	3.36	33	304	.0	
		E(S)	13 34 31.8						2.0	
01	ACE	EPG	13 34 25.6				39	305	-.1	
01	ASC	IPG	13 34 26.5				44	312	.1	

DEC 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
. 01	ACB	EPG	13 34 26.7				48	308	-.3	
. 01	ACA	EPG	13 34 26.9				48	312	-.0	
. 01	AND	EPG	13 34 28.7				62	311	-.3	
. 01	RAT	I(P)	13 34 36.9	10.1	.1	3.12	113	307	.4	
.....										
. 01	13 34 50.88	51.18 N 179.89 E DEPTH = 26.7 KM							FREE DEPTH SOLUTION	
		RAT ISLANDS, ALEUTIAN ISLANDS								
. 01	ASD	IPG	13 34 59.6	4.8	.1	2.48	45	301	.2	
. 01	ASB	EPG	13 35 0.0	24.5	.1	3.22	49	294	-.0	
		ES	13 35 6.7						.0	
. 01	ASC	EPG	13 35 1.6				60	302	.1	
. 01	ACB	E(P)	13 35 2.0				64	299	-.1	
. 01	AND	EPG	13 35 3.7				78	303	-.5	
. 01	RAT	I(P)	13 35 12.0	5.6	.1	2.91	128	303	.3	
.....										
01	ASD	IPGD	13 52 42.4	81.9	.2	3.49				
		ES	13 52 49.4							
01	ASB	IPGC	13 52 42.6	840.4	.2	4.50				
		ES	13 52 49.5							
01	ACE	IPG	13 52 43.4							
01	ACD	EPG	13 52 44.0							
01	ASC	IPG	13 52 44.2							
01	ACB	IPG	13 52 44.5							
01	ACA	IPG	13 52 44.7							
01	ACF	IPG	13 52 45.9							
01	AND	IPG	13 52 46.4							
01	SSI	IP D	13 52 50.1	50.1	.1					
01	RAT	IP C	13 52 54.7	52.2	.1					
.....										
. 01	13 53 52.77	51.05 N 179.83 E DEPTH = 23.1 KM							FREE DEPTH SOLUTION	
		RAT ISLANDS, ALEUTIAN ISLANDS								
. 01	ASD	EPG	13 54 2.1	2.9	.1	2.30	51	319	.1	
. 01	ASB	IPG	13 54 2.4	13.8	.1	2.99	53	311	.1	
		E(S)	13 54 9.3						.0	
. 01	ASC	EPG	13 54 4.0				65	315	-.1	
. 01	ACB	E(P)	13 54 4.4				69	312	-.2	
. 01	RAT	E(P)	13 54 14.4	3.0	.1	2.66	134	309	.1	
.....										
01	ASD	IPGD	14 21 21.1	24.9	.1	3.25				
01	ASB	IPGC	14 21 21.4	129.2	.1	3.98				
		ES	14 21 28.2							
01	ACE	IPG	14 21 21.9							
01	ACD	EPG	14 21 22.7							
01	ASC	IPG	14 21 22.9							
01	ACB	EPG	14 21 23.2							
01	ACA	IPG	14 21 23.4							
01	ACF	IPG	14 21 24.6							
01	AND	IPG	14 21 25.0							
01	SSI	E(P)	14 21 29.1	19.9	.1					
01	RAT	EP	14 21 33.3	18.9	.1					
.....										
. 01	14 43 5.56	50.93 N 179.58 E DEPTH = 48.5 KM							FREE DEPTH SOLUTION	
		RAT ISLANDS, ALEUTIAN ISLANDS								
. 01	ASD	IPGD	14 43 16.1				54	342	-.6	OL
. 01	ASB	IPGD	14 43 16.2				53	334	-.5	OL
. 01	ACE	IPG	14 43 16.8				60	331	-.6	
. 01	ACD	IPG	14 43 17.5				64	331	-.3	
. 01	ASC	IPGD	14 43 17.8				66	334	-.3	
. 01	ACB	IPG	14 43 18.1				69	330	-.3	
. 01	ACA	IPG	14 43 18.2				69	332	-.3	

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DEC 1971	STA	PHASE	TIME (GNT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
. 01	ACF	IPG	14 43 19.4				78	328	-1	
. 01	AND	IPGD	14 43 20.0				83	328	-1	
. 01	AMA	IPGD	14 43 22.6	40.2	.1	3.70	100	66	.4	WHITE OUT
.		ES	14 43 34.4						.1	
. 01	ANA	EPG	14 43 22.9				101	321	.6	
. 01	SSI	IP D	14 43 23.7				107	0	.6	WHITE OUT
. 01	RAT	IP D	14 43 26.4				130	318	.5	
. 01	ADK	EP	14 43 46.7				280	66	2.3	
.		ES	14 44 17.4						4.7	

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.....
. 01 15 3 6.14 50.98 N 179.60 E DEPTH = 37.9 KM FREE DEPTH SOLUTION
      RAT ISLANDS, ALEUTIAN ISLANDS
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. 01	ASD	IPGD	15	03	16.0				49	339	- .1	WHITE OUT
. 01	ASB	IPGD	15	03	16.2	679.9	.1	4.70	49	330	.1	
.		ES	15	03	23.1						- .3	
. 01	ACE	IPG	15	03	16.9				56	328	- .0	
. 01	ACD	IPG	15	03	17.6				60	327	.2	
. 01	ASC	IPG	15	03	17.8				62	331	.1	
. 01	ACB	IPG	15	03	18.1				65	327	- .0	
. 01	ACA	IPG	15	03	18.2				65	329	- .0	
. 01	ACF	EPG	15	03	19.5				74	325	.1	
. 01	AND	IPG	15	03	19.9				79	325	- .2	
. 01	AMA	EP	15	03	22.7	26.6	.2	3.20	96	69	.1	
.		E(S)	15	03	34.2						- .3	
. 01	SSI	IP D	15	03	23.7	113.0	.1	4.14	102	359	.4	POOR TAMP
. 01	RAT	EP	15	03	26.3				127	316	- .1	WHITE OUT
.		I	15	03	28.3							
. 01	ADK	EP	15	03	47.8				277	67	2.9	
.		ES	15	04	16.2						3.0	

[illegible]

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. 01 15 7 32.17 50.86 N 179.54 E DEPTH = 33.9 KM FREE DEPTH SOLUTION
. RAT ISLANDS, ALEUTIAN ISLANDS

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. 01	ASD	IPGD	15 07 43.1	77.7	.1	3.80	60	347	- .2
. 01	ASB	IPGD	15 07 43.2				59	340	.1
.		ES	15 07 50.6						- .4
. 01	ACE	IPG	15 07 44.0				65	337	.1
. 01	ACD	EPG	15 07 44.7				69	336	- .2
. 01	ASC	IPG	15 07 44.9				72	339	.1
. 01	ACB	IPG	15 07 45.2				74	335	.1
. 01	ACA	IPG	15 07 45.3				75	337	.0
. 01	ACF	EPG	15 07 46.6				83	333	.1
. 01	AND	IPG	15 07 47.0				88	332	- .2
. 01	AMA	EP	15 07 49.8				106	63	- .0
. 01	SSI	EP	15 07 50.8	49.7	.1	3.83	115	2	- .3
.		E(S)	15 08 5.3						.4
. 01	RAT	EP	15 07 53.6				134	321	- .0
.		I	15 07 55.4	44.2	.1	3.83			

DEC 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
01	15	8	32.40	50.97 N 179.60 E DEPTH = 37.0 KM				FREE DEPTH SOLUTION		
RAT ISLANDS, ALEUTIAN ISLANDS										
01	ASD	IPGD	15 08 42.3				50	339	-.1	WHITE OUT
01	ASB	IPG	15 08 42.4	662.4	.1	4.69	50	330	.0	POOR TAMP
		E(S)	15 08 49.5						-.1	
01	ACE	IPG	15 08 43.2				56	328	-.0	
01	ACD	EPG	15 08 43.7				60	328	-.0	
01	ASC	IPG	15 08 44.1				63	331	.1	
01	ACB	IPG	15 08 44.5				65	327	.1	
01	ACA	IPG	15 08 44.6				66	329	.1	
01	ACF	IPG	15 08 45.8				75	326	.1	
01	AND	IPGD	15 08 46.3				80	326	-.1	
01	AMA	EPG	15 08 49.0	13.0	.1	3.19	97	68	.2	
		E(S)	15 09 .4						-.4	
01	ANA	E(P)	15 08 49.2				98	318	.2	
01	SSI	IP	15 08 50.0				103	359	.3	WHITE OUT
01	RAT	EP	15 08 52.5				128	317	-.3	WHITE OUT
		I	15 08 54.6							
.....										
01	ASD	IPGD	15 14 9.7	15.3	.1					
01	ASB	IPGC	15 14 10.0	76.4	.1					POOR TAMP
01	ACE	EPG	15 14 10.7							S OBSCURED BY
01	ASC	IPG	15 14 11.5							SECOND EVENT
01	ACB	IPG	15 14 11.9							
01	ACA	IPG	15 14 12.0							
01	ACF	IPG	15 14 13.2							
01	AND	IPG	15 14 13.7							
.....										
01	15	14	.86	50.87 N 179.51 E DEPTH = 50.0 KM				FIXED DEPTH SOLUTION		
RAT ISLANDS, ALEUTIAN ISLANDS										
01	ASD	IPGD	15 14 12.2				59	349	-.5	WHITE OUT
01	ASB	EPG	15 14 12.3	714.5	.1	4.81	57	342	-.2	
01	ACE	EPG	15 14 13.0				63	338	-.2	
01	ACD	EPG	15 14 13.6				67	337	-.0	
01	ASC	EPG	15 14 13.9				70	340	-.0	
01	ACB	EPG	15 14 14.1				72	336	-.1	
01	ACA	EPG	15 14 14.4				73	338	.1	
01	ACF	EPG	15 14 15.6				81	334	.3	
01	AND	IPG	15 14 16.1				86	333	.3	
01	AMA	EP D	15 14 18.8	41.9	.1	3.75	107	64	.4	
		E(S)	15 14 30.4						-.8	
01	SSI	IP D	15 14 19.9				114	3	.7	WHITE OUT
01	RAT	EP	15 14 20.9				132	322	-.5	WHITE OUT
		E	15 14 24.3							
.....										
01	ASD	IPGD	15 15 28.5	31.8	.1	3.39				
01	ASB	IPG	15 15 28.6	348.5	.1	4.44				
		ES	15 15 35.8							
01	ACE	EPG	15 15 29.3							
01	ASC	IPG	15 15 30.2							
01	ACB	EPG	15 15 30.5							
01	ACA	IPG	15 15 30.7							
01	ACF	EPG	15 15 31.9							
01	AND	IPG	15 15 32.3							
01	SSI	EP	15 15 36.2	18.6	.1					
01	RAT	E(P)	15 15 38.9							
		I	15 15 40.6	13.4	.1					

DEC 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
01	15 19	36.75	50.93 N 179.56 E DEPT4 = 47.5 KM							FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
01	ASD	IPGD	15 19 47.2	58.1	.2	3.39	53	344	-.6	
01	ASB	IPG	15 19 47.4	236.1	.2	3.99	53	336	-.3	
		ES	15 19 54.8						-.9	
01	ACE	EPG	15 19 48.1				59	333	-.3	
01	ACD	EPG	15 19 48.8				63	332	-.1	
01	ASC	IPG	15 19 49.0				65	335	-.2	
01	ACB	IPG	15 19 49.4				68	331	-.0	
01	ACA	EPG	15 19 49.5				68	334	-.0	
01	ACF	IPG	15 19 50.7				77	330	.1	
01	AND	IPG	15 19 51.2				82	329	.0	
01	AMA	E(P)	15 19 53.9	8.1	.2	2.71	101	66	.4	
		E(S)	15 20 6.6						.8	
01	SSI	EP	15 19 54.9	20.4	.1	3.43	107	1	.6	
01	RAT	EP	15 19 57.7				129	319	.8	
		I	15 19 59.5	27.3	.1	3.62				
.....										
01	ASD	IPGD	15 41 32.6	34.9	.1	3.42				
01	ASB	EPG	15 41 32.8	376.1	.1	4.46				
		ES	15 41 39.8							
01	ACE	EPG	15 41 33.5							
01	ACD	EPG	15 41 34.2							
01	ASC	IPG	15 41 34.4							
01	ACB	EPG	15 41 34.8							
01	ACA	IPG	15 41 34.9							
01	ACF	IPG	15 41 36.1							
01	AND	IPG	15 41 36.6							
01	ANA	E(P)	15 41 39.6							
01	SSI	EP	15 41 40.3	24.8	.1					
.....										
01	18 20	19.64	50.98 N 179.57 E DEPTH = 41.5 KM							FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
01	ASD	IPGC	18 20 29.8	38.8	.1	3.47	48	341	-.0	DIFF. THAN THE
01	ASB	IPGC	18 20 29.8	15.7	.1	3.07	48	332	.0	OTHERS
		ES	18 20 37.1						-.0	
01	ACE	EPG	18 20 30.4				54	330	-.1	
01	ACD	EPG	18 20 31.0				58	329	-.0	
01	ASC	IPG	18 20 31.4				61	332	.1	
01	ACB	EPG	18 20 31.7				63	328	.0	
01	ACA	EPG	18 20 31.8				64	331	.0	
01	ACF	EPG	18 20 33.0				73	327	.1	
01	AND	EPG	18 20 33.5				78	327	-.0	
.....										
01	ADK	EP	19 24 27.5							
		ES	19 24 42.6							
.....										
01	19 50	1.47	50.92 N 179.58 E DEPTH = 22.3 KM							FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
01	ASD	IPGD	19 50 11.5				56	343	.2	
01	ASB	IPGD	19 50 11.7	757.3	.1	4.73	55	335	.5	POSS. CLIPPED
		ES	19 50 18.9						.6	
01	ACE	IPG	19 50 12.5				61	332	.4	
01	ACD	IPG	19 50 13.1				65	332	.4	
01	ASC	IPGD	19 50 13.4				67	335	.3	
01	ACB	IPG	19 50 13.7				70	331	.3	
01	ACA	IPG	19 50 13.8				71	333	.3	
01	ACF	IPG	19 50 15.0				79	329	.2	
01	AND	IPGD	19 50 15.5				84	329	-.1	
01	AMA	IPG	19 50 18.1	38.9	.1	3.66	101	65	.1	
		E(S)	19 50 29.6						-.5	

DEC 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
. 01	ANA	EPG	19 50 18.4				102	321	.2	
. 01	SSI	IP	19 50 19.3				109	0	.0	WHITE OUT
. 01	RAT	IP	19 50 21.8				131	319	-.8	WHITE OUT
. 01		I	19 50 23.8							
. 01	ADK	EP	19 50 42.0				281	66	-.1	
. 01		ES	19 51 19.2						7.4	
01	ASD	IPG	20 01 38.6	6.6	.1	2.68				
01	ASB	IPGD	20 01 38.9	42.1	.1	3.49				
		ES	20 01 45.7							
01	ASC	EPG	20 01 40.4							
01	ACB	EPG	20 01 40.9							
01	ACA	EPG	20 01 41.0							
01	ACF	EPG	20 01 42.1							
01	AND	IPG	20 01 42.6							
01	20 39 31.57	50.71 N 179.68 E DEPTH = 50.0 KM RAT ISLANDS, ALEUTIAN ISLANDS								FIXED DEPTH SOLUTION
01	ASD	IPGD	20 39 45.1	24.9	.1	3.43	79	343	-.6	
01	ASB	IPGC	20 39 45.4	265.7	.2	4.15	78	338	-.2	
		ES	20 39 52.2						-3.7	
01	ACE	EPG	20 39 46.0				84	335	-.4	
01	ACD	EPG	20 39 46.8				88	335	-.0	
01	ASC	IPG	20 39 46.9				91	337	-.2	
01	ACB	EPG	20 39 47.2				93	334	-.2	
01	ACA	IPG	20 39 47.4				94	336	-.1	
01	ACF	IPG	20 39 48.5				102	332	-.0	
01	AND	IPGC	20 39 49.1				107	332	-.0	
01	SSI	EP	20 39 52.9	21.7	.1	3.53	132	357	-.8	
		E(S)	20 40 7.2						.1	
01	RAT	EP	20 39 56.0				153	323	1.2	
		I	20 39 57.4	21.4	.1	3.58				
01	RAT	EP	20 42 5.0	19.4	.2	3.29				
		E(S)	20 42 25.4							
01	ANA	EP	20 42 9.1							
		E(S)	20 42 34.5							
01	AND	EP	20 42 11.5							
01	ASC	EP	20 42 13.9							
01	20 59 59.44	51.74 N 177.18 E DEPTH = 50.2 KM RAT ISLANDS, ALEUTIAN ISLANDS								FREE DEPTH SOLUTION
01	RAT	IP	21 00 13.7	65.6	.1	3.85	79	84	.1	
		IS	21 00 23.8						-.2	
01	ANA	IP C	21 00 16.7				103	96	.2	
01	AND	EP	21 00 18.8				124	98	-.2	
01	ASC	IP	21 00 21.1				140	102	.0	
01	ASB	IP	21 00 22.0	23.2	.1	3.60	149	105	-.1	
		ES	21 00 38.8						.2	
01	ASD	IP	21 00 22.7	60.9	.2	3.73	154	103	-.1	
01	SSI	EP	21 00 24.3	39.0	.1	3.87	167	83	.0	
01	ADK	EP	21 00 56.9				422	85	1.1	
		ES	21 01 39.4						2.4	
01	ADK	EP	23 08 31.5							
		ES	23 09 4.8							
02	AMA	IPGD	01 40 45.6	60.5	.1	3.68				
		IS	01 40 52.9							
02	ASD	EP	01 40 54.8	3.5	.1	2.70				
02	ASB	EP	01 40 55.2	4.2	.1	2.79				
		E(S)	01 41 9.6							

DEC 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
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02	ASC	EP	01 40 56.7							
02	AND	EP	01 40 59.1							

.....
 . 02 4 21 6.02 51.04 N 179.65 E DEPTH = 42.3 KM FREE DEPTH SOLUTION
 . RAT ISLANDS, ALEUTIAN ISLANDS
 .

. 02	ASD	IPG	04 21 15.8	5.2	.1	2.58	45	331	-0	
. 02	ASB	IPG	04 21 15.9	6.8	.1	2.70	45	322	-0	
. 02		ES	04 21 23.1						-0	
. 02	ASC	IPG	04 21 17.4				58	324	-0	
. 02	AND	EPG	04 21 19.6				76	320	-0	

.....

.....
 . 02 4 28 27.30 52.17 N 170.96 W DEPTH = 33.0 KM MB = 4.2 TELESEISMIC SOLUTION
 . FOX ISLANDS, ALEUTIAN ISLANDS
 .

. 02	ADK	EP	04 29 20.5				395	268		
. 02		ES	04 30 2.6							
. 02	AMA	EPN	04 29 43.1				572	263		I(L)043058.2
. 02		EPG	04 29 46.3	25.7	.2					
. 02		E(S)	04 30 46.4							
. 02	ASD	EP	04 29 57.7	4.2	.1		675	266		
. 02	ASB	EP	04 29 58.4	6.8	.1		682	266		
. 02		E(S)	04 31 6.6							
. 02	ASC	EP	04 29 58.9				686	267		

.....

02	ASD	IPG	04 36 8.8	2.8	.1	2.31				
02	ASB	IPG	04 36 9.1	41.5	.2	3.19				
		ES	04 36 16.0							
02	ACE	EPG	04 36 10.2							
02	ASC	EPG	04 36 10.8							
02	ACB	EPG	04 36 11.5							
		ES	04 36 20.3							
02	ACA	EPG	04 36 11.7							
02	AND	EPG	04 36 12.7							

.....
 . 02 4 48 13.82 50.99 N 179.46 E DEPTH = 50.0 KM FIXED DEPTH SOLUTION
 . RAT ISLANDS, ALEUTIAN ISLANDS
 .

. 02	ASD	IPGD	04 48 23.5	4.6	.1	2.57	46	349	-0.7	
. 02	ASB	IPGD	04 48 23.9	66.0	.2	3.42	44	340	-0.2	
. 02		ES	04 48 31.0						-0.5	
. 02	ACE	EP	04 48 24.4				50	336	-0.3	
. 02		I	04 48 25.0							
. 02	ASC	EPG	04 48 25.3				57	339	-0.1	
. 02	ACB	EP	04 48 25.7				59	334	.1	
. 02		I	04 48 26.3							
. 02	ACA	EP	04 48 25.9				60	336	.2	
. 02		I	04 48 26.5							
. 02	ACF	EP	04 48 27.1				68	331	.4	
. 02		I	04 48 27.8							
. 02	AND	IPG	04 48 27.6				73	331	.3	
. 02		I	04 48 28.4							
. 02	SSI	E(P)	04 48 31.1	4.5	.1	2.76	101	5	.5	

.....

.....
 . 02 5 20 45.74 50.86 N 179.54 E DEPTH = 25.0 KM FIXED DEPTH SOLUTION
 . RAT ISLANDS, ALEUTIAN ISLANDS
 .

. 02	ASD	IPGD	05 20 56.4	204.5	.2	3.90	61	347	-0	QTAMP
. 02	ASB	IPGD	05 20 56.5	502.5	.1	4.59	59	340	.3	POOR TAMP
. 02		ES	05 21 3.7						-0.2	
. 02	ACE	IPG	05 20 57.2				65	337	.1	
. 02	ACD	IPG	05 20 57.8				69	336	.1	

DEC 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
. 02	ASC	IPG	05 20 58.2				72	339	.1	
. 02	ACB	IPG	05 20 58.5				74	335	.1	
. 02	ACA	IPG	05 20 58.6				75	337	.1	
. 02	ACF	IPG	05 20 59.8				83	333	.0	
. 02	AND	IPGD	05 21 .3				88	333	-.2	
. 02	AMA	IPG	05 21 3.1	25.2	.2	3.19	106	63	-.0	
. 02	ANA	EPG	05 21 3.2				105	325	.2	
. 02	SSI	IP	05 21 4.2	57.6	.1	3.88	115	2	-.3	
. 02	RAT	EP	05 21 6.7	67.8	.2	3.71	134	322	-.7	
.....										
02	ASD	EP	05 21 49.7	4.5	.1	2.53				
02	ASB	IP	05 21 49.9	16.9	.1	3.12				
		ES	05 21 57.0							
02	ASC	EP	05 21 51.8							
02	AND	E(P)	05 21 53.7							
.....										
02	ASD	IPG	05 32 37.3	5.7	.1	2.64				
02	ASB	IPG	05 32 37.5	456.1	.2	4.25				
		ES	05 32 44.7							
02	ACE	EPG	05 32 38.1							
02	ASC	EPG	05 32 39.1							
02	ACB	EPG	05 32 39.4							
02	ACA	EPG	05 32 39.5							
02	ACF	EPG	05 32 40.8							
02	AND	EPG	05 32 41.2							
.....										
02	ASD	IPG	05 33 46.8	2.1	.1	2.21				
02	ASB	IPG	05 33 47.0	9.9	.1	2.89				
		ES	05 33 54.2							
02	ASC	EPG	05 33 48.7							
02	ACA	EPG	05 33 49.0							
02	ACF	EPG	05 33 50.3							
02	AND	EPG	05 33 50.8							
.....										
02	ASD	EP	05 54 19.1	4.2	.1	2.51				
02	ASB	IP	05 54 19.3	17.0	.1	3.12				
		ES	05 54 26.5							
02	ASC	EP	05 54 20.9							
02	AND	EP	05 54 23.2							
.....										
02	ASD	IP D	05 55 21.3							
02	ASB	IP D	05 55 21.4	86.2	.1	3.82				
		IS	05 55 28.5							
02	ACE	IP D	05 55 22.2							
02	ACD	IP D	05 55 22.8							
02	ASC	IP D	05 55 23.1							
02	ACB	IP	05 55 23.4							
02	ACA	IP	05 55 23.5							
02	ACF	IP	05 55 24.7							
02	AND	IP	05 55 25.3							
02	AMA	IP D	05 55 27.9							
02	ANA	EP	05 55 28.2							
02	SSI	IP D	05 55 29.1	84.2	.1					
02	RAT	IP	05 55 31.7							
.....										
. 02	5 56 56.38		50.97 N 179.42 E	DEPTH = 50.0 KM			FIXED DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
.....										
. 02	ASD	IP C	05 57 6.3	9.0	.1	2.86	47	354	-.6	
. 02	ASB	EP	05 57 6.4	83.9	.2	3.53	45	345	-.3	
		ES	05 57 13.8						-.5	
. 02	ACE	EP	05 57 7.2				51	340	-.1	
. 02	ACD	EP	05 57 7.7				55	339	-.0	
. 02	ASC	EP	05 57 8.1				58	342	.0	
. 02	ACB	EP	05 57 8.4				60	338	.1	
. 02	ACA	EP	05 57 8.5				61	340	.1	
. 02	AND	EP	05 57 10.4				74	334	.5	

DEC 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
02	SSI	EP	05 57 14.0	5.4	.1	2.85	104	6	.5	
02	ADK	EP	06 04 8.9							
		ES	06 05 32.1							
02	7 12	9.76	50.84 N 179.09 W	DEPTH = 50.0 KM			FIXED DEPTH SOLUTION			
DELAROF ISLANDS, ALEUTIAN ISLANDS										
02	AMA	IP D	07 12 20.2				50	359	-.4	
02	ASD	EP	07 12 29.3	7.6	.1	3.06	125	300	-.2	
		ES	07 12 43.5						-.4	
02	ASB	EP	07 12 29.5	5.5	.1	2.93	130	297	-.5	
02	ACE	EP	07 12 30.8				136	298	-.1	
02	ASC	EP	07 12 31.4				140	300	.1	
02	ACD	EP	07 12 31.5				140	298	.2	
02	ACA	EP	07 12 31.8				144	300	.0	
02	ACB	EP	07 12 31.8				144	299	-.1	
02	SSI	EP	07 12 33.0				149	322	.6	
02	ACF	EP	07 12 33.2				154	300	.2	
02	AND	EP	07 12 33.7				158	301	.1	
02	RAT	EP	07 12 40.1				209	302	.3	
02	ASD	EP	08 02 2.4	3.1	.1	2.37				
02	ASB	IP	08 02 2.7	13.5	.1	3.03				
		ES	08 02 10.0							
02	ASC	EP	08 02 4.1							
02	AND	EP	08 02 6.5							
02	ASD	EP	09 22 48.9	2.4	.1	2.28				
02	ASB	IP D	09 22 49.2	12.2	.1	3.00				
		ES	09 22 56.8							
02	ASC	EP	09 22 51.1							
02	AND	EP	09 22 53.0							
02	ASD	IP	09 26 47.6	8.0	.1	2.78				
02	ASB	EP	09 26 47.6	8.7	.1	2.82				
		ES	09 26 54.6							
02	ASC	EP	09 26 49.2							
02	AND	EP	09 26 51.4							
02	9 48	49.20	48.55 N 152.97 E	DEPTH = 127.0 KM MB = 5.1			TELESEISMIC SOLUTION			
KURIL ISLANDS										
02	ADK	EP	09 53 8.8				2183	69		
02	ADK	EP	12 17 48.5							
		ES	12 17 56.4							
02	14 58	26.40	60.41 N 153.32 W	DEPTH = 135.0 KM MB = 3.7			TELESEISMIC SOLUTION			
SOUTHERN ALASKA										
02	ADK	EP	15 01 58.8				1722	247		
02	15 26	19.00	5.59 S 149.75 E	DEPTH = 148.0 KM MB = 5.1			TELESEISMIC SOLUTION			
NEW BRITAIN REGION										
02	ADK	EP	15 36 38.2	68.8	.8		7118	22		
02	ADK	EP	16 46 30.9							
		ES	16 46 37.9							

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DEC	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
02	17 18	21.80	44.83 N	153.34 E	DEPTH =	24.0 KM	MB = 6.2	MS = 6.3	TELESEISMIC SOLUTION	
KURIL ISLANDS REGION										
02	RAT	EP	17 22 35.0				1998	58		
02	ANA	EP	17 22 36.1				2016	59		
		E	17 25 38.3							
02	ASD	EP	17 22 40.0				2057	60		
02	AND	EP	17 22 40.3				2034	59		
02	ASB	EP	17 22 40.8				2050	60		
02	SSI	EP	17 22 41.8				2085	58		
02	ASC	EP	17 22 42.6				2047	60		
02	AMA	EP	17 22 49.8				2162	61		
02	ADK	EP	17 23 5.6	625.0	1.2		2338	60		
		ES	17 26 50.6							
02	ADK	EP	23 06 38.5							
		ES	23 07 44.0							
02	23 6	24.90	53.75 N	163.63 W	DEPTH =	27.0 KM	MB = 4.5		TELESEISMIC SOLUTION	
UNIMAK ISLAND REGION										
02	ADK	EP	23 08 23.5				904	262		
		ES	23 09 51.9							
02	ASD	EP	23 08 57.0	9.8	.1		1182	264		
02	ASB	EP	23 08 57.5				1189	264		
02	ASC	EP	23 08 58.1				1191	265		
02	AND	EP	23 09 .2				1201	265		
03	1 31	1.83	50.83 N	179.30 E	DEPTH =	25.0 KM			FIXED DEPTH SOLUTION	
RAT ISLANDS, ALEUTIAN ISLANDS										
03	ASB	IP D	01 31 12.4				60	356	.1	
		IS	01 31 20.0						-.0	
03	ASD	IP D	01 31 12.6				63	3	-.2	
03	ASC	IP D	01 31 14.1				71	352	.0	
03	AND	EP	01 31 16.3				85	344	.1	
03	ANA	EP	01 31 18.2				100	334	-.1	
03	SSI	EP	01 31 21.5	99.6	.2	3.84	120	9	.1	
03	AND	IP	01 37 16.3							
03	ASB	IP	01 37 12.4	444.5	.1	4.56				
		IS	01 37 20.0							
03	ASD	IP	01 37 12.6							
03	ASC	IP	01 37 14.1							
03	ANA	EP	01 37 18.2							
03	SSI	EP	01 37 21.5	99.6	.2					
03	1 58	25.60	51.06 N	178.33 W	DEPTH =	17.0 KM			TELESEISMIC SOLUTION	
DELAROF ISLANDS, ALEUTIAN ISLANDS										
03	AMA	IP C	01 58 36.3	84.3	.1	3.80	60	295	.3	
03	ADK	EP	01 58 49.2				147	51	.2	
		ES	01 59 4.1						-2.0	
03	ASD	EP	01 58 51.1	5.7	.1	3.02	166	284	-.9	
03	SSI	EP	01 58 51.6	26.6	.1	3.70	172	304	-1.2	
03	ASB	EP	01 58 52.0	10.8	.1	3.31	172	282	-.9	
		ES	01 59 11.2						-1.6	
03	ASC	EP	01 58 53.8				180	285	-.3	
03	AND	EP	01 58 55.9				197	288	-.5	
03	RAT	EP	01 59 3.6				246	291	1.2	

DEC 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
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03	7 27	25.80	51.63 N 177.18 W	DEPTH = 63.0 KM MB = 4.7			TELESEISMIC SOLUTION			
ANDREANOF ISLANDS, ALEUTIANS ISLANDS										
03	ADK	IP	07 27 36.4				44	50	-0.7	FELT III. 4.8ML
		ES	07 27 44.4						-1.0	
03	AMA	IP C	07 27 46.9				139	255	-0.6	
03	SSI	IP C	07 27 58.7	354.0	.2		225	279	.8	
03	ASD	EP	07 28 .5				242	265	.4	
03	ASB	EP	07 28 1.0	523.0	.2		249	265	.0	
		ES	07 28 29.5						2.9	
03	ASC	EP	07 28 2.6				254	267	1.1	
03	AND	EP	07 28 4.2				268	270	1.0	
03	ANA	IP	07 28 7.1				287	272	1.5	
03	RAT	IP D	07 28 9.5	239.6	.2		310	275	1.0	
03	NIK	EP	07 28 44.4				586	72	2.0	
03	SMY	E(P)	07 28 45.5				607	285	.4	
03	GMA	EP	07 31 13.0				1790	25	2.0	

03	ADK	IP	07 43 2.7							
		ES	07 43 10.5							

03	10 54	41.75	51.01 N 179.79 E	DEPTH = 49.9 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
03	ASD	IP C	10 54 52.8	8.4	.1	2.85	52	323	-0.0	
03	ASB	IP	10 54 53.0	8.2	.1	2.85	54	316	-0.0	
		I(S)	10 55 1.2						-0.0	
03	ASC	IP	10 54 54.4				66	319	.0	
03	AND	EP	10 54 56.5				84	317	-0.0	

03	13 12	29.43	51.74 N 179.54 E	DEPTH = 88.3 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
03	SSI	EP D	13 12 42.1	44.3	.1	3.66	17	12	-0.0	
03	ASD	EP	13 12 42.9	40.7	.1	3.66	41	199	-0.2	
03	ACA	EP	13 12 43.0				41	225	-0.1	
03	ASC	EP	13 12 43.1				40	220	.0	
03	AND	IP	13 12 43.3				45	244	-0.0	
03	ACE	EP	13 12 43.3				45	214	-0.1	
03	ACB	EP	13 12 43.4				44	225	.1	
03	ACD	EP	13 12 43.4				44	219	.1	
03	ASB	IP	13 12 43.5				47	205	.0	
		IS	13 12 53.7						-0.0	
03	ACF	EP	13 12 43.5				44	238	.2	
03	ANA	IP	13 12 44.6				62	259	.1	
03	RAT	IP C	13 12 46.3	69.5	.1	3.98	83	275	-0.1	
03	AMA	EP	13 12 48.7	17.3	.1	3.43	106	118	.0	

03	16 6	12.54	51.72 N 178.74 E	DEPTH = 83.8 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
03	ANA	IP	16 06 24.9				12	208	.3	
03	AND	IP C	16 06 25.0				23	141	.1	
03	ACF	EP	16 06 25.0				28	141	-0.1	
03	RAT	IP C	16 06 25.2				30	287	-0.0	
03	ACA	IP	16 06 25.7				37	136	.1	
03	ACB	IP	16 06 25.7				37	140	.1	
03	ASC	IP C	16 06 25.8				41	134	-0.0	
03	ACD	EP	16 06 25.9				42	140	-0.0	
03	ACE	EP	16 06 25.9				46	140	-0.3	
03	ASB	IP C	16 06 26.6	418.4	.1	4.68	53	139	-0.1	
		IS	16 06 37.0						.1	

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DEC 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
03	ASD	IP C	16 06 26.8				55	131	-0.0	
03	SSI	IP D	16 06 27.2				61	72	-0.1	
03	ANA	IP	16 06 37.3				156	107	0.2	
03	ADK	IP	16 06 55.7				315	85	-0.5	
		ES	16 07 28.8						0.8	
03	ADK	EP	20 08 32.2							
		ES	20 08 47.2							
03	21 54 53.67	51.27 N 178.47 E	DEPTH = 23.9 KM							FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
03	ANA	IP	21 55 1.7				42	18	0.0	
03	AND	IP	21 55 2.2				47	45	-0.1	
03	ASC	EP	21 55 3.3				53	65	0.1	
03	ASB	IP	21 55 3.4	4.3	0.1	2.49	55	79	-0.1	
		ES	21 55 10.6						0.0	
03	AMA	IP C	22 29 3.5	116.8	0.1					
03	ASD	IP	22 29 12.4	59.6	0.1	3.83				
03	ASB	IP	22 29 13.2	25.0	0.1	3.47				
		ES	22 29 24.6							
03	ASC	IP	22 29 14.7							
03	SSI	IP C	22 29 14.9	155.2	0.1					
03	AND	IP	22 29 16.8							
03	ANA	EP	22 29 20.0							
03	RAT	EP	22 29 23.6							
03	AND	IP D	22 42 20.9							
03	ANA	IP	22 42 21.1							
03	ACA	IP	22 42 22.5							
03	ACB	IP	22 42 22.5							
03	ASC	IP	22 42 23.0							
03	ASD	IP	22 42 25.0	3.4	0.1	2.31				
		ES	22 42 30.5							
03	ASD	EP	23 06 42.7	7.7	0.1	2.74				
		IS	23 06 49.2							
03	ASB	IP	23 06 42.9	11.4	0.1	2.92				
03	ASC	EP	23 06 44.5							
03	AND	EP	23 06 47.4							
03	ADK	IP	23 44 19.2							
		ES	23 44 26.4							
03	ADK	EP	23 49 26.6							
		ES	23 49 34.3							
03	23 52 22.16	51.09 N 179.16 W	DEPTH = 27.3 KM							FREE DEPTH SOLUTION
			DELAROF ISLANDS, ALEUTIAN ISLANDS							
03	AMA	IP D	23 52 28.0				22	9	0.1	
		IS	23 52 31.9						-0.2	
03	ASD	IP C	23 52 40.1	12.9	0.1	3.22	110	288	-0.1	
03	ASB	IP	23 52 41.0	20.4	0.1	3.44	115	286	0.0	
		ES	23 52 59.0						4.3	
03	ASC	IP	23 52 42.3				124	290	0.0	
03	SSI	IP D	23 52 42.5				124	316	0.1	
03	AND	EP	23 52 44.9				141	292	-0.0	
		ES	23 53 6.0						4.5	
03	ADK	EP	23 52 48.1				193	62	-3.4	
		ES	23 53 9.9						-3.0	
03	RAT	EP	23 52 51.2				191	295	-0.1	

DEC 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
04	2 25	51.50	6.00 S 154.56 E	DEPTH = 78.0 KM MB = 6.0			TELESEISMIC SOLUTION			
SOLOMON ISLANDS										
04	ADK	EP	02 36 10.4	150.0	1.0		6969	20		
.....										
.....										
04	3 55	58.65	51.11 N 179.24 W	DEPTH = 21.3 KM			FREE DEPTH SOLUTION			
DELAROF ISLANDS, ALEUTIAN ISLANDS										
04	AMA	IP D	03 56 3.8	129.7	.1	3.70	22	24	.0	
04	ASC	EP	03 56 17.6				118	290	-.2	
		ES	03 56 32.0						.3	
04	SSI	IP C	03 56 17.8	51.0	.1	3.84	119	317	-.2	
04	AND	EP	03 56 20.3				135	293	-.1	
04	ANA	EP	03 56 24.2				157	292	.5	
04	ADK	EP	03 56 26.6				197	63	-2.4	
		ES	03 56 48.7						-2.5	
.....										
.....										
04	4 39	46.12	51.31 N 178.81 E	DEPTH = 47.8 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
04	ASC	EP	04 39 54.9				30	55	-.0	
		E(S)	04 40 1.3						-.0	
04	AND	IP	04 39 54.9				30	19	-.0	
04	ANA	IP	04 39 55.5				37	344	-.0	
.....										
04	AMA	IP	07 06 39.1	17.1	.1					
04	ASD	EP	07 06 50.0	4.1	.1	2.70				
04	ASB	IP	07 06 51.4	7.3	.1	2.98				
		ES	07 07 4.2							
04	ASC	IP	07 06 52.1							
.....										
.....										
04	10 34	22.70	51.16 N 176.56 W	DEPTH = 33.0 KM			TELESEISMIC SOLUTION			
ANDREANOF ISLANDS, ALEUTIANS ISLANDS										
04	ADK	IP	10 34 36.5				81	354	-.2	
		ES	10 34 44.5						-2.5	
04	AMA	IP C	10 34 47.6				178	276	-2.1	
04	SSI	EP	10 35 1.8				279	289	-.4	
04	ASD	EP	10 35 3.3	3.8	.1		286	277	.2	
		ES	10 35 34.8						2.2	
04	ASB	EP	10 35 4.3	6.2	.1		293	276	.4	
04	ASC	EP	10 35 5.2				299	278	.5	
04	AND	EP	10 35 7.8				315	280	1.2	
04	RAT	EP	10 35 12.7				361	283	.4	
.....										
04	ADK	EP	12 54 14.7							
		ES	12 54 21.7							
04	ADK	EP	13 11 4.5							
		ES	13 11 13.4							
04	ASB	EP	15 32 13.8	4.7	.1	2.94				
04	AND	IP	15 32 13.9							
04	ASD	EP	15 32 14.1	6.2	.1	3.06				
		ES	15 32 32.8							
04	ASC	EP	15 32 14.2							
04	ANA	EP	15 32 14.6							
04	ADK	EP	16 01 45.8							
		ES	16 02 5.9							
04	AMA	EP	16 01 51.6	63.3	.2					

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04	15 55 45.10	8.09 N 126.61 E	DEPTH = 54.0 KM	MB = 5.5	TELESEISMIC SOLUTION
MINDANAO, PHILIPPINE ISLANDS					
04	ADK EP	16 06 11.1	7058	35	
04	22 39 14.90	5.54 S 154.27 E	DEPTH = 120.0 KM	MB = 5.1	TELESEISMIC SOLUTION
SOLOMON ISLANDS					
04	ADK EP	22 49 27.0	6933	20	
05	ADK EP	01 29 5.4			
05	ADK EP	01 39 12.3			
	ES	01 39 21.0			
05	2 34 28.57	51.68 N 179.69 W	DEPTH = 75.8 KM		FREE DEPTH SOLUTION
DELAROF ISLANDS, ALEUTIAN ISLANDS					
05	SSI IP D	02 34 41.9	55	296	-.1
05	AMA EP	02 34 42.4	6.2 .1 2.83	59 137	-.1
05	ASD EP	02 34 43.3	4.6 .1 2.75	74 245	-.4
	ES	02 34 54.9			-.2
05	ASB EP	02 34 44.2	3.7 .1 2.67	82 245	-.2
05	ASC EP	02 34 44.9		83 254	-.4
05	AND EP	02 34 46.0		95 263	-.2
05	ADK EP	03 10 9.1			
	ES	03 10 18.1			
05	3 34 14.31	52.01 N 179.43 E	DEPTH = 144.2 KM		FREE DEPTH SOLUTION
RAT ISLANDS, ALEUTIAN ISLANDS					
05	SSI EP	03 34 33.8		17 140	-.0
05	AND IP C	03 34 35.2		60 213	-.0
05	ACF EP	03 34 35.3		62 209	-.0
05	ACA EP	03 34 35.4		63 200	-.0
05	ACB EP	03 34 35.5		65 201	-.0
05	ASD IP D	03 34 35.6	9.2 .1 3.21	70 185	-.2
05	ASC IP	03 34 35.6		64 197	-.2
05	ANA IP	03 34 35.8		68 231	-.1
05	ACD EP	03 34 35.8		68 197	-.1
05	ACE EP	03 34 35.8		70 195	-.0
05	ASB EP	03 34 35.9		74 190	-.1
	ES	03 34 51.8			-.0
05	RAT EP	03 34 36.2		79 253	-.1
05	4 23 18.80	51.08 N 178.95 W	DEPTH = 34.0 KM		TELESEISMIC SOLUTION
DELAROF ISLANDS, ALEUTIAN ISLANDS					
05	AMA IP D	04 23 25.2		25 334	-.5
05	ASD EP	04 23 37.7	9.1 .1 3.12	124 287	-1.3
	ES	04 23 51.4			-2.4

DEC 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
. 05	ASB	EP	04 23 38.5	8.6	.1	3.11	129	284	-1.2	
. 05	SSI	IP	04 23 39.8				136	312	-.7	
. 05	ASC	EP	04 23 39.9				138	288	-.9	
. 05	AND	EP	04 23 43.5				155	291	.6	
. 05	ANA	EP	04 23 45.3				177	291	-.3	
. 05	ADK	EP	04 23 45.7				180	60	-.3	
		ES	04 24 5.0						-.9	
. 05	RAT	EP	04 23 48.8				205	294	-.2	
.....										
. 05	6 23 53.03	52.62 N 179.77 E	DEPTH = 100.0 KM						FIXED DEPTH SOLUTION	
		RAT ISLANDS, ALEUTIAN ISLANDS								
. 05	ANA	EP	06 24 15.8				135	215	-.2	
. 05	AND	EP	06 24 15.9				131	206	.3	
. 05	ASD	EP	06 24 16.5	1.8	.1	2.54	140	192	-.1	
. 05	ASB	EP	06 24 17.1	1.7	.1	2.51	145	195	-.0	
		ES	06 24 34.7						-.0	
.....										
05	ADK	EP	07 05 20.3							
		ES	07 05 57.2							
05	ADK	EP	08 55 57.3							
		ES	08 56 6.4							
05	ADK	EP	11 13 6.8							
		ES	11 13 30.6							
05	AMA	EP	11 13 25.7	20.9	.1					
05	SSI	EP	11 13 33.6	12.2	.2					
05	ASD	EP	11 13 36.4	5.6	.1					
		ES	11 14 22.3							
05	ASB	EP	11 13 37.5	9.5	.1					
05	ASC	EP	11 13 38.2							
05	AND	EP	11 13 38.5							
05	ANA	EP	11 13 41.3							
.....										
. 05	14 35 10.28	51.26 N 179.96 E	DEPTH = 15.5 KM						FREE DEPTH SOLUTION	
		RAT ISLANDS, ALEUTIAN ISLANDS								
. 05	ASD	IP	14 35 18.3	3.4	.1	2.30	46	289	-.1	
. 05	ASB	EP	14 35 19.3	5.6	.1	2.56	51	283	.0	
		ES	14 35 25.9						.1	
. 05	ACE	IP	14 35 20.2				57	286	.0	
. 05	ASC	EP	14 35 20.5				60	292	-.1	
. 05	ACD	IP	14 35 20.8				61	288	.1	
. 05	ACA	IP	14 35 21.2				64	293	.1	
. 05	AMA	IP	14 35 21.3				65	87	.0	
. 05	ACB	IP	14 35 21.3				65	291	-.0	
. 05	ACF	EP	14 35 22.6				74	294	-.1	
. 05	SSI	IP	14 35 22.9	3.2	.1	2.46	75	340	.0	
.....										
05	ADK	EP	17 02 56.2							
		ES	17 03 8.4							
05	ADK	EP	21 40 18.8							
		ES	21 40 47.2							
05	ADK	EP	22 55 22.8							
		ES	22 55 30.4							

DEC 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
06	0 10	22.90	54.37 N 158.55 E	DEPTH = 171.0 KM MB = 5.1			TELESEISMIC SOLUTION			
KAMCHATKA										
06	RAT	EP	00 13 10.7	19.9	.3		1353	94		
06	ANA	EP	00 13 14.2				1381	95		
06	AND	EP	00 13 16.5				1402	95		
06	ASC	EP	00 13 18.9				1420	95		
06	SSI	EP	00 13 19.2				1431	93		
06	ASB	EP	00 13 20.4	17.4	.3		1429	95		
06	ASD	EP	00 13 20.8	40.7	.4		1434	95		TELESEISMIC
06	AMA	EP	00 13 31.1				1539	94		
06	ADK	EP	00 13 47.0	250.0	1.0		1674	89		
.....										
06	2 49	56.78	51.55 N 179.76 E	DEPTH = 51.1 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
06	ASD	IP C	02 50 6.1	17.6	.1	3.11	34	239	-.1	
06	ASB	IP	02 50 6.8	29.6	.1	3.37	41	240	-.0	
		ES	02 50 14.1						-.1	
06	ACE	IP	02 50 7.0				44	249	-.1	
06	ASC	IP	02 50 7.1				42	257	.2	
06	ACA	IP	02 50 7.2				45	261	.0	
06	ACD	IP	02 50 7.3				45	253	.1	
06	ACB	IP	02 50 7.5				48	259	.1	
06	ACF	IP	02 50 8.0				53	268	-.0	
06	AND	IP	02 50 8.2				56	272	-.1	
06	ANA	EP	02 50 10.8				77	277	.1	
06	RAT	EP	02 50 13.7	7.9	.1	3.01	103	286	-.1	
.....										
06	8 40	44.09	51.10 N 179.28 E	DEPTH = 29.2 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
06	ASB	IP D	08 40 50.9	20.5	.1	3.02	29	356	.1	
		IS	08 40 55.6						-.0	
06	ASD	IP D	08 40 51.0	15.0	.1	2.91	32	8	-.2	
06	ASC	IP	08 40 52.4				41	349	.2	
06	AND	IP	08 40 54.4				56	336	.1	
06	ANA	IP	08 40 56.5				72	324	-.1	
06	SSI	IP	08 40 59.3	22.2	.1	3.39	90	14	.0	
.....										
06	8 54	3.55	51.16 N 179.38 E	DEPTH = 33.9 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
06	ASB	IP	08 54 10.3	9.3	.1	2.68	24	338	.0	
		ES	08 54 15.2						-.0	
06	ASD	EP	08 54 10.4	7.0	.1	2.56	26	354	-.1	
06	ASC	EP	08 54 11.8				37	336	.1	
06	AND	EP	08 54 13.7				54	327	-.1	
.....										
06	ADK	EP	10 03 18.2							
		ES	10 03 42.3							
.....										
06	11 4	44.70	52.23 N 179.67 E	DEPTH = 169.0 KM MB = 5.0			TELESEISMIC SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
06	SSI	IP C	11 05 8.3				38	188	.6	
06	AND	IP	11 05 10.2				89	214	.2	
06	ASD	IP C	11 05 10.4				96	194	-.0	OVERLOAD ALL
06	ASC	IP	11 05 10.5				92	202	.3	
06	ASB	IP	11 05 10.8				101	197	.1	LEVELS

DEC 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
		I(S)	11 05 33.5						3.7	
06	ANA	IP	11 05 10.9				96	226	.5	
06	RAT	IP C	11 05 11.5				103	243	.6	
06	AMA	IP C	11 05 12.8				135	141	-.4	
06	ADK	EP	11 05 23.8				253	97	-.7	
		ES	11 05 53.0						-.6	
06	SMY	EP	11 05 38.7				381	281	-.2	
06	NIK	EP	11 06 25.7				780	79	-.9	
06	GMA	EP	11 08 28.2				1830	29	-7.2	

06 11 14 49.14 52.07 N 179.74 E DEPTH = 173.1 KM MB = 3.5 FREE DEPTH SOLUTION
RAT ISLANDS, ALEUTIAN ISLANDS

06	SSI	IP C	11 15 12.3				22	208	.1	
06	AND	IP C	11 15 14.2				78	224	-.1	
06	ASD	IP C	11 15 14.4				81	200	.0	OVERLOAD ALL
06	ASC	IP C	11 15 14.4				79	211	.1	
06	ASB	IP C	11 15 14.7				86	204	.0	LEVELS
		IS	11 15 33.3						-.1	
06	ANA	IP C	11 15 15.0				89	237	.1	
06	RAT	IP C	11 15 15.5				102	253	-.2	
06	AMA	IP C	11 15 16.7				118	137	-.1	

06	ADK	EP	18 00 23.7							
		ES	18 00 42.3							
06	AMA	IP	18 59 34.6							
06	ASD	IP C	18 59 47.0	19.6	.1					
06	ASB	EP	18 59 47.9							
		ES	19 00 5.1							
06	SSI	IP	18 59 49.2	64.3	.1					
06	ASC	IP D	18 59 49.4							
06	AND	EP	18 59 51.2							
06	ANA	EP	18 59 55.4							
06	RAT	IP	18 59 58.1							

07 0 42 47.30 51.25 N 178.82 E DEPTH = 26.6 KM FREE DEPTH SOLUTION
RAT ISLANDS, ALEUTIAN ISLANDS

07	ACE	EPG	00 42 53.8				30	56	-.0	
07	ACD	EPG	00 42 53.9				29	48	.1	
07	ASB	EPG	00 42 54.1	4.0	.1	2.31	32	68	-.0	
		IS	00 42 59.1						-.0	
07	ACA	EPG	00 42 54.3				33	39	.1	
07	ACF	EPG	00 42 54.3				33	22	.1	
07	ASC	IPG	00 42 54.4				34	46	.1	
07	AND	IPGD	00 42 54.5				36	15	-.1	
07	SSI	E(P)	00 43 2.2				89	36	-.0	

07	AMA	E(P)	04 44 30.1	31.6	.2					
07	ASD	E(P)	04 44 41.0	8.5	.1					NO S. VISIBLE
07	ASB	E(P)	04 44 41.9	10.0	.1					
07	ASC	E(P)	04 44 43.1							
07	AND	EP	04 44 43.2							

07 6 23 11.80 3.70 N 128.02 E DEPTH = 69.0 KM MB = 6.0 TELESEISMIC SOLUTION
NORTH OF HALMAHERA

07	RAT	EP D	06 33 37.0				7062	32		
07	ANA	EP	06 33 37.8				7072	33		
07	ASC	E(P)	06 33 38.1				7093	33		VQP TELE
07	AND	EP D	06 33 38.4				7085	33		
07	ASB	EP D	06 33 38.8				7092	33		

DEC 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
07	ASD	EP D	06 33 39.1				7099	33		
07	SSI	EP	06 33 41.5				7142	33		TAMP EST.
07	AMA	EP D	06 33 44.5				7188	34		
07	ADK	IP	06 33 54.8	800.0	1.1		7368	34		
07	ADK	EP	07 22 45.0							
		ES	07 23 4.0							
07	8 11 41.84		51.24 N 178.70 E							FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
07	ACD	E(P)	08 11 50.7				37	56	-0.0	QP
07	ACB	EPG	08 11 50.8				37	48	.1	
07	ASB	EPG	08 11 50.9	3.7	.1	2.41	40	71	-0.2	
		ES	08 11 57.4						-0.5	
07	ASC	E(P)	08 11 50.9				41	53	-0.2	QP
07	AND	EPG	08 11 50.9				40	26	-0.1	
07	ACF	E(P)	08 11 50.9				38	33	.1	
07	ANA	EPG	08 11 51.0				43	356	-0.4	
07	ASD	E(P)	08 11 51.7	2.7	.2	2.00	48	70	-0.2	QP
07	9 33 28.70		52.50 N 172.13 W							TELESEISMIC SOLUTION
			ANDREANOF ISLANDS, ALEUTIAN IS.							
07	ADK	EP	09 34 12.9				319	259		
		ES	09 34 48.9							
07	ASD	E(P)	09 34 47.7	11.5	.4		599	261		
07	ASB	E(P)	09 34 48.8	13.9	.3		606	261		
		E(S)	09 35 53.2							
07	ASC	E(P)	09 34 50.7				609	262		
07	AND	E(P)	09 34 51.1				621	264		
07	9 55 49.68		50.50 N 177.63 E							FIXED DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
07	ANA	EP	09 56 14.2				144	29	.2	
07	ASB	E(P)	09 56 14.6	10.1	.1	3.22	148	49	.1	
		ES	09 56 32.7						.1	
07	RAT	EP	09 56 15.0	7.4	.1	3.10	152	18	-0.2	
07	AND	EP C	09 56 15.1				150	38	.3	
07	ASC	EP	09 56 15.2				152	45	.2	
07	ASD	EP	09 56 15.4	4.1	.1	2.84	155	50	-0.2	
07	SSI	EP	09 56 23.1	25.7	.1		206	41	-0.2	
		ES	09 56 47.8						-0.1	
07	ADK	EP	10 24 15.9							
		ES	10 24 53.2							
07	ADK	EP	10 36 1.0							
		ES	10 36 37.7							
07	ADK	EP	11 03 19.8							
		ES	11 03 27.9							
07	11 46 34.20		51.40 N 178.67 W							FREE DEPTH SOLUTION
			DELAROF ISLANDS, ALEUTIAN ISLANDS							
07	AMA	IPGD	11 46 44.3				33	249	-0.0	WHITE OUT
		ES	11 46 51.7						.0	
07	SSI	EP	11 46 55.1	13.3	.1	3.33	132	295	.1	
		ES	11 47 10.1						-0.1	

DEC 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
. 07	ASD	IP D	11 46 55.5	10.4	.1	3.24	138	271	-.2	
. 07	ASB	EP	11 46 56.5	12.8	.1	3.34	144	269	.0	
		ES	11 47 12.8						.1	
. 07	ASC	EP	11 46 57.4				150	274	.2	
. 07	ADK	EP	11 46 57.6				148	68	.7	
		ES	11 47 15.1						1.7	
. 07	AND	EP	11 46 58.9				166	277	-.1	
. 07	ANA	EP	11 47 1.7				186	279	.1	
. 07	RAT	EP	11 47 4.6	6.1	.2		212	283	-.1	
.....										
. 07	12 4 19.70	55.09 N 54.35 W DEPTH = 33.0 KM MB = 5.4 MS = 5.3 TELESEISMIC SOLUTION								
		EAST OF LABRADOR								
. 07	ASD	EP	12 14 55.2				7215	326		TELE
. 07	ASB	EP	12 14 55.6	13.8	.4		7221	326		
. 07	RAT	E(P)	12 14 56.1	14.0	.4		7211	327		
. 07	ANA	EP	12 14 56.5				7216	327		
.....										
07	ANA	IPG	16 02 59.3							V.SM.LOCAL
		ES	16 03 1.7							
07	AND	E(P)	16 03 .3							
.....										
. 07	16 12 .26	51.78 N 179.12 W DEPTH = 28.1 KM MB = 3.8								FREE DEPTH SOLUTION
		DEAROF ISLANDS, ALEUTIAN ISLANDS								
. 07	AMA	IP C	16 12 10.2				55	179	-.0	OL
		ES	16 12 17.5						-.0	
. 07	SSI	IP D	16 12 15.4				90	279	.1	OL
. 07	ASD	IP C	16 12 19.1				115	249	.1	LARGE OL
. 07	ASB	IP C	16 12 20.3				122	248	.2	QS OL
		E(S)	16 12 34.6						-.0	
. 07	ASC	IP	16 12 20.5				124	254	.1	
. 07	AND	IP D	16 12 21.7				135	260	-.4	
. 07	ANA	IP D	16 12 24.7				154	265	-.0	
. 07	ADK	EP	16 12 27.2				168	85	.7	
		ES	16 12 48.6						3.0	
. 07	RAT	IP D	16 12 27.4				175	272	.0	QOIR OL
.....										
. 07	16 26 27.34	51.16 N 179.54 E DEPTH = 36.7 KM								FREE DEPTH SOLUTION
		RAT ISLANDS, ALEUTIAN ISLANDS								
. 07	ASD	EPG	16 26 34.9	3.2	.1	2.26	29	331	.0	
. 07	ASB	EPG	16 26 35.0	1.9	.1	2.04	30	317	-.0	
		ES	16 26 40.6						-.0	
. 07	ACE	E(P)	16 26 35.7				37	316	-.0	
. 07	ACB	E(P)	16 26 36.9				46	317	.1	
. 07	ACF	E(P)	16 26 38.1				56	317	.1	
. 07	AND	EPG	16 26 38.6				61	318	-.1	
.....										
07	ADK	EP	18 13 19.8							
		ES	18 13 55.1							
07	AMA	E(P)	18 13 43.6	30.1	.3					VQP
07	ASD	E(P)	18 13 55.6	4.5	.2					POOR V.EMERGNT
07	ASB	E(P)	18 13 56.4	12.1	.3					VQS
		E(S)	18 15 5.0							
07	AND	E(P)	18 13 58.5							
07	RAT	E(P)	18 14 3.7	10.6	.3					
.....										
07	ADK	EP	18 49 22.4							
		ES	18 49 57.0							

DEC 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
07	18 56 46.95		51.76 N 178.69 E			DEPTH = 77.5 KM				FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
07	ANA	EP	18 56 58.5				15	189	.2	
07	RAT	EP	18 56 58.5	7.9	.1	2.87	26	280	-.1	
		ES	18 57 7.1						-.1	
07	AND	EP	18 56 58.7				28	140	-.1	
07	ASC	E(P)	18 57 .1				46	135	.3	
07	ASB	E(P)	18 57 .7	4.5	.1	2.70	58	139	-.1	
		ES	18 57 10.7						-.2	
07	ASD	E(P)	18 57 .9	4.8	.1	2.73	61	132	-.1	
07	SSI	EP	18 57 1.1	3.9	.1	2.65	63	76	-.1	
		ES	18 57 11.7						.1	
07	19 7 44.00		51.44 N 179.22 E			DEPTH = 57.0 KM				FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
07	ASB	IPG	19 07 52.6	3.6	.1	2.40	9	167	-.1	
		ES	19 07 59.0						-.0	
07	ASD	EPG	19 07 52.7	2.4	.1	2.22	10	121	-.0	
07	ACB	EPG	19 07 52.7				9	287	.0	
07	ACD	E(P)	19 07 52.8				6	259	.2	
07	AND	EPG	19 07 53.1				23	307	-.1	
07	ACF	EPG	19 07 53.1				18	302	.1	
07	SSI	E(P)	19 07 56.0	3.5	.1	2.52	57	27	.0	VQP
07	ADK	EP	19 17 41.4							
		ES	19 18 17.6							
07	21 1 44.95		51.46 N 178.69 E			DEPTH = 56.6 KM				FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
07	ANA	EPG	21 01 53.9				19	353	-.0	
07	AND	EPG	21 01 54.0				21	58	-.0	
07	ACF	EPG	21 01 54.1				22	71	.0	
07	ACB	EPG	21 01 54.5				28	89	.1	
07	ACA	EPG	21 01 54.6				30	86	.0	
07	ASC	EPG	21 01 54.8				33	90	.0	
07	ACE	EPG	21 01 54.9				34	101	.0	
07	ASB	EPG	21 01 55.3	6.1	.1	2.70	40	106	-.1	
		ES	21 02 2.9						-.0	
07	ASD	EPG	21 01 55.8	5.7	.1	2.69	46	100	-.0	
07	ADK	EP	22 33 59.3							
		ES	22 34 21.9							
07	ADK	EP	22 37 6.5							
		ES	22 37 15.9							
08	0 49 25.50		51.17 N 178.48 W			DEPTH = 41.0 KM MB = 4.0				TELESEISMIC SOLUTION
			DELAROF ISLANDS, ALEUTIAN ISLANDS							
08	AMA	IP D	00 49 34.9				46	287	-.4	WHITE OUT
08	ADK	EP	00 49 48.0				147	57	-.0	
		ES	00 50 4.4						-.0	
08	ASD	EPN	00 49 49.1				154	280		

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DEC 1971	STA	PHASE	TIME (GNT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
08	AMA	IP C	00 52 10.2							WHITE OUT
08	ADK	EP	00 52 23.4							
		ES	00 52 39.8							
08	ASD	E(P)	00 52 24.5	37.9	.1					POOR TAMP
08	SSI	IP D	00 52 24.5							WHITE OUT
.....										
08	6	9	32.60	25.37 S	177.32 W	DEPTH = 156.0 KM	MB = 5.1			TELESEISMIC SOLUTION
SOUTH OF FIJI ISLANDS										
08	ADK	EP	06 21 8.1	255.3	.7		8553	0		
		E	06 21 32.5							
.....										
08	SSI	IP D	07 16 1.6							WHITE OUT
08	ASD	IP C	07 16 5.7							WHITE OUT
		IS	07 16 12.4							
08	ASC	EP C	07 16 6.5							QDIR
08	ASB	IP C	07 16 6.8	152.9	.1	4.08				
		IS	07 16 14.1							
08	AND	EP C	07 16 7.4							
08	ANA	EP D	07 16 10.4							
08	AMA	EP	07 16 11.6	56.2	.1					POOR TAMP
08	RAT	E(P)	07 16 12.3	59.6	.1	3.92				POOR TAMP
		E(S)	07 16 25.8							
08	ADK	EP	07 16 32.8							
		ES	07 17 0.0							
.....										
08	13	0	14.66	51.58 N	178.35 E	DEPTH = 82.9 KM	MB = 5.2			FREE DEPTH SOLUTION
RAT ISLANDS, ALEUTIAN ISLANDS										
08	ANA	IP D	13 00 26.9				22	77	.1	
08	RAT	IP D	13 00 26.9				24	357	-0.0	OL
08	AND	IP D	13 00 27.8				42	93	-0.0	NO S VISIBLE
08	ASC	IP D	13 00 28.8				58	103	-0.2	
08	ASB	IP D	13 00 29.8				67	111	.1	OL
08	ASD	IP D	13 00 30.2				72	107	.0	OL LARGE
08	SSI	IP C	13 00 32.1				92	68	.0	OL
08	AMA	IP C	13 00 41.8				179	99	-0.0	OL
08	SMY	EP	13 00 58.8				317	295	.4	
08	ADK	IP	13 01 1.6				344	82	-0.1	
		ES	13 01 36.0						-0.1	
08	NIK	EP	13 02 9.5				884	75	1.3	
08	GMA	EP	13 04 14.0				1938	29	-4.3	
.....										
08	13	12	.58	51.63 N	178.43 E	DEPTH = 74.8 KM				FREE DEPTH SOLUTION
RAT ISLANDS, ALEUTIAN ISLANDS										
08	ANA	IPGD	13 12 11.6				16	90	-0.0	
08	RAT	EPG	13 12 11.7	26.3	.1	3.38	20	341	-0.0	
08	AND	IPGD	13 12 12.6				37	101	.0	
08	ACB	E(P)	13 12 13.5				49	111	.1	
08	ACD	EPG	13 12 13.8				54	114	.0	
08	ASC	EPG	13 12 14.0				54	109	.2	
08	ASB	EPG	13 12 14.5	3.6	.1	2.61	64			

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DEC	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
08	13 12	8.79	51.63 N 178.43 E	DEPTH = 71.8 KM						FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
08	RAT	EP	13 12 19.4	37.3	.1	3.51	20	339	-.2	
		ES	13 12 27.5						.1	
08	ANA	EP	13 12 19.4				16	93	-.0	
08	AND	IP C	13 12 20.4				37	102	-.1	
08	ACF	EP	13 12 21.1				41	107	.4	
08	ACD	EP	13 12 21.6				54	115	-.1	
08	ACB	EP	13 12 21.7				49	112	.3	
08	ASB	E(P)	13 12 22.6	7.3	.1	2.91	64	118	-.0	
		ES	13 12 32.5						-.2	
08	ASD	IP	13 12 22.9	8.1	.1	2.96	68	113	-.2	
		IS	13 12 33.4						-.1	
08	SSI	IP C	13 12 24.6	157.4	.1	4.30	85	70	-.1	
		IS	13 12 36.3						.1	
08	13 39	24.30	51.50 N 178.29 E	DEPTH = 70.4 KM						FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
08	RAT	EPG	13 39 35.6	3.8	.1	2.54	33	5	.0	
08	AND	IPG	13 39 36.5				47	81	-.0	
		I(S)	13 39 45.4						-.0	
08	ASC	EPG	13 39 37.8				61	94	.1	
08	ASB	EPG	13 39 38.4	6.1	.1	2.84	68	103	-.0	
		E(S)	13 39 48.8						.0	
08	ASD	EPG	13 39 39.0	4.9	.1	2.76	74	99	-.0	
08	14 23	1.84	51.63 N 178.42 E	DEPTH = 75.1 KM						FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
08	ANA	EPGD	14 23 12.9				17	92	-.0	
08	RAT	EPG	14 23 13.0	4.6	.1	2.62	19	342	.0	
		ES	14 23 21.1						-.0	
08	AND	IPGD	14 23 13.9				38	102	-.0	
		ES	14 23 22.8						.1	
08	ASC	EPG	14 23 15.2				55	110	.0	
08	ASD	EPG	14 23 16.4	3.4	.1	2.60	70	112	-.1	
08	SSI	EP	14 23 18.1	7.6	.1	2.99	86	70	.0	
		ES	14 23 29.8						-.1	
08	ASD	EP	18 11 0.0	3.2	.1	2.75				
08	ASC	EP	18 11 .4							
08	ASB	E(P)	18 11 .4	4.3	.1	2.88				QP
		E(S)	18 11 17.9							
08	19 0	53.80	51.01 N 170.95 W	DEPTH = 33.0 KM MB = 4.1						TELESEISMIC SOLUTION
			FOX ISLANDS, ALEUTIAN ISLANDS							
08	NIK	EP	19 01 30.0				262	33		
08	AMA	IP	19 02 10.4	53.2	.2		572	276		
08	SSI	E(P)	19 02 22.7	29.5	.2		665	282		VQP
08	ASD	EP	19 02 23.7	44.1	.2		680	277		
08	ASB	EP	19 02 24.7	53.3	.2		687	277		VQS
		E(S)	19 03 37.1							
08	ASC	EP	19 02 25.3				692	278		
08	AND	EP	19 02 27.4				707	279		
08	RAT	EP	19 02 33.1	37.2	.3		751	281		
08	GMA	EP	19 04 35.5				1702	16		

DEC 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
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08	19 5	27.14	51.64 N 178.41 E	DEPTH = 74.8 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
08	ANA	E(P)	19 05 38.2				17	96	-.0	
08	RAT	EP	19 05 38.2	10.9	.1	2.99	18	342	-.0	
		ES	19 05 46.3						-.0	
08	AND	EP	19 05 39.3				39	103	.1	
		I(S)	19 05 48.1						.0	
08	ASC	EP	19 05 40.6				56	111	.1	
08	ASD	E(P)	19 05 41.7	2.2	.1	2.42	70	113	-.1	
08	SSI	EP	19 05 43.4	27.9	.1	3.55	86	71	.1	
		I(S)	19 05 55.1						-.1	

08	AMA	IPGC	20 13 46.9	41.5	.1	3.14				
		ES	20 13 49.7							
08	ASC	EP	20 14 4.8							
08	AND	EP	20 14 8.1							
08	ADK	EP	20 23 5.8							
		ES	20 23 25.6							
08	ADK	EP	21 43 2.2							
		ES	21 43 33.9							
08	AMA	EP	21 43 18.4	10.8	.1					
08	ASD	EP	21 43 28.6	6.6	.1					
08	ASB	EP	21 43 29.1	3.6	.1					
		E(S)	21 44 19.4							
08	ASC	EP	21 43 29.1							

08	21 59	49.17	51.63 N 178.45 E	DEPTH = 77.2 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
08	AND	IPGD	22 00 1.3				35	102	-.0	
		I(S)	22 00 10.3						.1	
08	ACF	EPG	22 00 1.4				39	107	-.2	
08	ACB	EPG	22 00 2.2				48	113	.0	
08	ACD	EPG	22 00 2.5				52	115	.0	
08	ASC	EPG	22 00 2.6				53	111	.1	
08	ASB	EPG	22 00 3.2	3.6	.1	2.61	63	118	-.1	
		E(S)	22 00 13.7						.0	
08	ASD	EPG	22 00 3.8	3.8	.1	2.65	67	113	.1	
08	SSI	IPG	22 00 5.4	4.6	.1	2.77	83	69	.1	
		ES	22 00 16.9						-.1	

09	ACE	EP	00 12 51.6							
09	ACD	EP	00 12 51.7							
09	ACB	EP	00 12 51.9							
		IS	00 12 56.9							
09	ACA	EP	00 12 52.2							
09	ACF	EP	00 12 52.2							

SM. LOCAL

09	0 58	43.50	51.14 N 179.41 W	DEPTH = 17.0 KM			TELESEISMIC SOLUTION			
DELAROF ISLANDS, ALEUTIAN ISLANDS										
09	AMA	IP D	00 58 49.1				26	51	.2	
09	ASD	IP D	00 58 59.1	17.6	.1	3.28	92	288	.5	
09	ASB	EP	00 59 .2				97	285	.8	
		ES	00 59 13.8						2.8	
09	ASC	IP	00 59 1.1				106	290	.3	
09	SSI	EP	00 59 1.8	37.7	.1	3.68	109	321	.6	
09	AND	EP	00 59 3.7				123	293	.3	
09	ANA	EP	00 59 7.1				145	293	.4	
09	RAT	EP	00 59 10.6				173	296	-.4	

DEC 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
09	ADK	EP	04 27 22.8							
		ES	04 27 30.4							
09	ADK	EP	04 53 29.4							
		ES	04 54 2.7							
09	ADK	EP	05 45 41.5							
		ES	05 45 49.6							
09	RAT	EP	09 11 45.0	79.5	.1					
09	ANA	IP	09 11 48.3							
09	AND	EP	09 11 50.9							
09	ASC	EP	09 11 52.2							
09	ASD	EP	09 11 56.3	8.0	.1					
		ES	09 12 30.6							
09	SSI	EP	09 11 56.9							
09	AND	IP	11 20 13.6							
		ES	11 20 22.6							
09	ASC	EP	11 20 15.0							
09	ASB	E(P)	11 20 16.1							
09	ASD	EP	11 20 16.4	2.5	.1					
09	SSI	EP	11 20 17.8	3.9	.1					
09	RAT	IP	11 20 22.1	6.8	.1					
09	ADK	EP	11 21 21.9							
		ES	11 21 34.2							
.....										
09	15 0	59.10	21.74 S 173.24 E	DEPTH = 41.0 KM MB = 5.6 MS = 5.7 TELESEISMIC SOLUTION						
			NEW HEBRIDES ISLANDS REGION							
09	ADK	EP	15 12 30.0				8210	6		
.....										
09	ADK	EP	15 33 42.7							
		ES	15 33 51.2							
09	ADK	EP	15 37 20.3							
		ES	15 37 28.0							
.....										
09	18 40	51.80	52.37 N 178.66 E	DEPTH = 118.3 KM						
			RAT ISLANDS, ALEUTIAN ISLANDS							
			FREE DEPTH SOLUTION							
09	RAT	IP	18 41 10.3	44.7	.1	3.83	67	200	-0.0	
09	ANA	IP	18 41 11.4				82	180	-0.0	
		IS	18 41 25.7						-0.0	
09	AND	IP	18 41 12.1				92	167	-0.0	
09	ASC	IP D	18 41 13.6				106	161	.2	
09	ASD	IP	18 41 14.3	6.9	.1	3.10	118	156	-0.2	
.....										
09	ADK	IP	19 17 33.4							
		ES	19 17 21.8							
09	ASD	EP	19 17 46.4	5.0	.1					
		ES	19 18 24.3							
09	ASB	EP	19 17 47.3	10.1	.1					
09	ASC	EP	19 17 47.8							
09	AND	EP	19 17 49.4							
09	ASD	IP	23 31 59.6	6.2	.1	2.31				
		IS	23 32 2.4							
09	ASC	IP	23 31 59.9							

DEC 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
10	4 23	57.01	51.41 N 179.73 E	DEPTH = 25.0 KM			FIXED DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
10	ASD	IP C	04 24 2.8	19.0	.1	2.94	27	267	-.3	
10	ASB	IP	04 24 4.0				34	262	.1	
		IS	04 24 8.9						-.1	
10	ASC	IP	04 24 5.2				39	279	.5	
10	AND	EP	04 24 6.8				56	288	-.3	
10	7 7	57.61	51.68 N 179.41 W	DEPTH = 100.0 KM			FIXED DEPTH SOLUTION			
			DELAROF ISLANDS, ALEUTIAN ISLANDS							
10	ASD	IP	07 08 16.3	10.5	.1	3.20	93	250	-.1	
		IS	07 08 30.1						-.0	
10	ASB	IP	07 08 17.1	7.0	.1	3.04	100	250	.0	
10	ASC	EP	07 08 17.4				102	257	.1	
10	AND	EP	07 08 18.4				114	264	-.1	
10	7 22	56.10	7.24 S 128.75 E	DEPTH = 114.0 KM			TELESEISMIC SOLUTION			
			BANDA SEA							
10	ADK	EP	07 34 27.2				8344	32		
10	ADK	EP	07 47 38.1							
		ES	07 47 46.3							
10	RAT	EP	09 12 39.1	27.3	.1					
10	ANA	EP	09 12 42.0							
10	AND	EP	09 12 44.0							
10	ASC	EP	09 12 46.5							
10	ASD	EP	09 12 47.8	4.2	.1	2.88				
		ES	09 13 6.0							
10	SSI	EP	09 12 51.1	53.2	.1					
10	ADK	EP	10 30 12.3							
		ES	10 30 32.2							
10	10 53	41.05	51.67 N 179.08 E	DEPTH = 87.0 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
10	ASC	E(P)	10 53 53.7				24	166	-.1	
		I	10 53 54.3							
10	AND	EP	10 53 53.7				15	215	.2	
10	ANA	IP	10 53 54.1				29	260	.1	
10	ASD	IP	10 53 54.3	43.4	.1	3.67	36	150	-.0	
10	ASB	IP	10 53 54.4				37	161	.0	
		IS	10 54 4.0						-.1	
10	SSI	IP D	10 53 54.7	75.4	.1	3.92	43	55	-.0	
10	RAT	IP	10 53 55.3	34.8	.1	3.61	54	285	-.1	
10	12 38	22.14	50.99 N 178.67 E	DEPTH = 26.6 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
10	ASB	IP	12 38 32.4	47.9	.1	3.56	57	44	-.0	
		IS	12 38 39.7						-.2	
10	ACE	IP	12 38 32.4				57	37	-.0	
10	ACD	IP	12 38 32.7				58	33	.1	
10	ACB	IP	12 38 32.9				60	29	.1	
10	ASD	IP D	12 38 33.2	61.0	.1	3.70	65	46	-.3	
10	ASC	IP	12 38 33.3				63	33	.1	

DEC 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
. 10	ACA	IP	12 38 33.3				63	30	.1	
. 10	ACF	IP	12 38 33.5				64	21	.2	
. 10	AND	IP	12 38 33.7				67	17	-.0	
. 10	ANA	IP	12 38 34.6				71	359	.2	
. 10	RAT	IP	12 38 37.3	24.8	.1	3.44	93	345	-.4	
. 10	SSI	IP	12 38 41.5	57.6	.1	3.90	119	32	-.0	

.....
 . 10 14 2 50.61 52.67 N 178.63 W DEPTH = 200.0 KM FIXED DEPTH SOLUTION
 DELAROF ISLANDS, ALEUTIAN ISLANDS

. 10	AMA	IP	14 03 23.6	95.1	.1	4.41	157	192	-.3	
. 10	ADK	EP	14 03 24.2				158	123	.2	
		ES	14 03 53.0						4.7	
. 10	SSI	IP	14 03 24.1	11.7	.1	3.49	149	235	.9	
. 10	ASD	IP	14 03 27.1	51.5	.1	4.18	199	225	-.3	
. 10	ASC	IP	14 03 27.6				202	229	-.1	
. 10	AND	EP	14 03 27.6				206	234	-.5	
. 10	ASB	IP	14 03 27.7				206	226	-.4	
		ES	14 03 56.3						.9	
. 10	ANA	IP	14 03 29.4				219	239	.2	

.....
 . 10 14 4 19.33 51.21 N 178.68 E DEPTH = 0.0 KM FIXED DEPTH SOLUTION
 RAT ISLANDS, ALEUTIAN ISLANDS

. 10	ASB	IP	14 04 27.0	11.5	.1	2.79	43	67	-.2	
		ES	14 04 32.8						-.1	
. 10	AND	IP	14 04 27.1				43	26	-.1	
. 10	ASC	IP	14 04 27.6				44	50	.3	
. 10	ASD	IP	14 04 28.5	4.9	.1	2.48	50	67	.0	

.....
 . 10 14 8 30.47 51.18 N 178.66 E DEPTH = 29.5 KM FREE DEPTH SOLUTION
 RAT ISLANDS, ALEUTIAN ISLANDS

. 10	ACB	IP	14 08 39.2				44	43	.2	
. 10	ASB	IP	14 08 39.3	45.6	.1	3.48	46	63	.0	
		IS	14 08 45.3						-.4	
. 10	AND	IP D	14 08 39.6				48	25	.0	
. 10	ACA	IP	14 08 39.6				47	43	.2	
. 10	ASC	IP	14 08 39.7				47	47	.2	
. 10	ANA	IP	14 08 40.0				50	360	.1	
. 10	ASD	EP	14 08 40.1	24.4	.1	3.25	53	63	-.2	
. 10	RAT	IP D	14 08 42.9	3.8	.1	2.55	73	342	-.3	
. 10	SSI	IP C	14 08 47.5	15.6	.1	3.28	102	38	.0	
. 10	AMA	EP	14 08 55.0				156	85	-.0	

.....
 10 ADK EP 15 35 5.1
 ES 15 35 12.5

10 ADK EP 18 15 26.2
 ES 18 15 33.0

10 ADK EP 18 44 18.0
 ES 18 44 26.7

10 ADK EP 19 08 28.3
 ES 19 08 41.8

DEC 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
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10	21 36	23.90	51.02 N 176.40 W	DEPTH = 17.0 KM			TELESEISMIC SOLUTION			
ANDREANOF ISLANDS, ALEUTIANS ISLANDS										
10	ADK	IP C	21 36 40.3				98	348	.3	3.5ML D 0.5 SSW
		ES	21 36 46.8						-4.9	
10	AMA	IP	21 36 53.7	41.1	.1	3.93	192	280	-.3	
10	SSI	EP	21 37 6.9	11.7	.1		295	291	.1	
10	ASD	EP	21 37 7.2	5.5	.1		300	280	-.2	
		ES	21 37 38.0						-1.1	
10	ASC	EP	21 37 9.1				313	281	.1	
10	AND	EP	21 37 11.3				329	282	.3	
10	RAT	EP	21 37 16.6	4.9	.1		376	285	-.2	

10	22 23	4.85	51.07 N 179.09 E	DEPTH = 29.2 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
10	ASB	IP D	22 23 12.2	100.3	.1	3.74	34	19	.1	
		IS	22 23 17.3						-.1	
10	ASD	IP D	22 23 12.6	46.1	.1	3.44	39	26	-.2	
10	ASC	IP	22 23 13.5				44	7	.1	
10	ACB	IP	22 23 13.5				43	0	.2	
10	ACA	IP	22 23 13.8				45	3	.2	
10	AND	IP	22 23 15.0				55	350	.0	
10	ANA	IP	22 23 16.8				68	334	-.0	
10	RAT	IP C	22 23 20.8	33.1	.2	3.28	96	327	-.1	
10	SSI	IP D	22 23 21.1	147.5	.2	3.93	97	21	.0	

11	ADK	EP	01 13 46.2							
		ES	01 13 56.6							
11	AMA	E(P)	01 14 9.8	17.8	.2					
11	ASD	EP	01 14 23.0	5.2	.2					
11	ASB	EP	01 14 23.7	9.4	.2					QP VQS
		E(S)	01 15 10.6							
11	ASC	EP	01 14 24.1							
11	AND	EP	01 14 25.7							
11	ADK	EP	01 34 17.3							
		ES	01 34 26.3							
11	ASD	EP	01 48 7.8	11.9	.1	3.30				
11	ASB	EP	01 48 8.0	6.6	.1	3.04				
		ES	01 48 24.6							
11	ASC	EP	01 48 8.1							
11	AND	EP	01 48 8.4							
11	RAT	EP	01 48 10.5	4.5	.1					
11	SSI	IP C	01 48 16.2	47.4	.1					
		IS	01 48 40.2							

11	1 49	25.63	51.25 N 179.86 W	DEPTH = 29.6 KM			FREE DEPTH SOLUTION			
DELAROF ISLANDS, ALEUTIAN ISLANDS										
11	ASD	EPG	01 49 36.2	2.4	.1	2.27	58	286	.0	
		E(S)	01 49 43.8						-.0	
11	ASC	EPG	01 49 38.2				72	290	.0	
11	ACA	EPG	01 49 38.7				76	290	-.0	
11	SSI	EPG	01 49 39.5	12.2	.1	3.09	81	332	-.0	
		ES	01 49 49.7						.1	

DEC 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
11	3 29	57.40	1.75 N 127.27 E	DEPTH = 114.0 KM MB = 5.2			TELESEISMIC SOLUTION			
			HALMAHERA							
11	ADK	EP	03 40 48.3				7594	34		
		E	03 41 30.6							
.....										
11	4 0	22.21	51.78 N 178.87 W	DEPTH = 85.3 KM			FREE DEPTH SOLUTION			
			DELAROF ISLANDS, ALEUTIAN ISLANDS							
11	AMA	IP	04 00 36.6	19.8	.1	3.37	57	197	-.1	
		IS	04 00 47.4						.1	
11	SSI	E(P)	04 00 41.4	7.8	.1	3.08	107	277	.1	POOR TAMP
		ES	04 00 55.2						-.1	
11	ASD	E(P)	04 00 43.8	2.2	.1	2.59	131	251	-.2	V.EMERGENT
		E(S)	04 00 59.8						-.0	
11	ASC	E(P)	04 00 45.2				141	256	.2	
.....										
11	4 52	49.38	51.42 N 178.81 E	DEPTH = 46.6 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
11	AND	EPG	04 52 57.2				18	32	-.0	
11	ACF	EPG	04 52 57.3				17	48	.2	
11	ACB	EPG	04 52 57.4				20	77	.1	
11	ACA	EPG	04 52 57.5				22	73	.1	
11	ACD	EPG	04 52 57.5				22	89	.0	
11	ANA	E(P)	04 52 57.6				25	335	-.0	
11	ASC	EPG	04 52 57.8				25	80	.2	
11	ASB	E(P)	04 52 58.1	3.6	.1	2.38	31	103	-.0	
		ES	04 53 4.1						-.4	
11	ASD	EPG	04 52 58.6	3.6	.1	2.41	37	96	-.0	
		ES	04 53 5.2						-.2	
11	RAT	E(P)	04 53 .2	5.1	.1	2.63	54	321	-.2	
.....										
11	7 25	19.10	6.07 S 154.51 E	DEPTH = 65.0 KM MB = 5.9			TELESEISMIC SOLUTION			
			SOLOMON ISLANDS							
11	ADK	EP	07 35 40.8				6979	20		
		E	07 35 44.6							
.....										
11	ADK	EP D	09 07 23.9							
		ES	09 07 47.8							
11	AMA	EP	09 07 43.0	34.6	.1					
11	SSI	EP	09 07 51.1	16.0	.1					
11	ASD	E(P)	09 07 54.8	15.8	.1					
11	ASB	E(P)	09 07 55.3	70.2	.3					
		E(S)	09 08 27.9							
11	AND	EP	09 07 56.3							
.....										
11	SSI	E(P)	14 37 9.3							V NOISY
11	ASD	EP	14 37 14.5	38.8	.2	3.18				
11	ASC	E(P)	14 37 14.8							
11	ASB	EP	14 37 15.5	27.1	.2	3.07				
		ES	14 37 23.5							
11	ACE	EP	14 37 15.6							
11	AND	E(P)	14 37 15.7							
11	ANA	EP	14 37 18.5							

DEC 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
11	14 41	35.15	51.19 N 179.86 E	DEPTH = 34.2 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
11	ASD	IPGD	14 41 43.9	64.5	.1	3.53	43	302	-.1	
11	ASB	IPGD	14 41 44.5	46.8	.1	3.51	47	294	-.0	
		ES	14 41 51.3						-.0	
11	ACE	EP	14 41 45.3				54	296	-.1	
11	ACD	E(P)	14 41 45.8				57	298	-.1	
11	ASC	E(P)	14 41 46.1				57	302	.2	
11	ACA	EP	14 41 46.5				61	302	.1	
11	ACF	EP	14 41 47.9				71	302	.1	
11	SSI	EP D	14 41 49.1				80	346	-.0	V NOISY
11	ANA	EP	14 41 51.3				97	301	-.2	
.....										
11	ACB	EP	14 45 6.9							
11	ANA	E(P)	17 43 50.8							
11	AND	E(P)	17 43 52.9							
11	ASC	E(P)	17 43 55.4							
11	ASB	EP	17 43 55.5	18.7	.1					
		E(S)	17 44 14.6							
		E(L)	17 44 18.1							
11	ASD	EP	17 43 56.5	16.7	.1					
.....										
11	19 32	38.70	50.77 N 177.14 E	DEPTH = 50.0 KM			FIXED DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
11	ANA	EP	19 33 .7				143	47	.1	
		ES	19 33 16.8						.2	
11	AND	EP	19 33 1.5				154	54	-.5	
11	ASD	EP	19 33 4.2	3.1	.1	2.77	169	65	.4	
		ES	19 33 21.9						-.2	
.....										
11	RAT	IP C	20 46 28.0	179.7	.3					
		E(S)	20 46 50.9							
11	ANA	EP	20 46 32.3							
11	AND	EP	20 46 34.1							
11	ASC	EP	20 46 36.9							
11	ASB	EP	20 46 38.7	20.3	.2					
		E(S)	20 47 10.2							
11	ASD	EP	20 46 38.9	45.5	.3					
11	AMA	EP	20 46 48.2							
.....										
11	22 29	25.09	51.11 N 180.00 E	DEPTH = 25.0 KM			FIXED DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
11	ASD	IP C	22 29 35.1	9.1	.1	2.82	55	305	.1	
11	ASB	EP	22 29 35.7				59	298	.1	
		ES	22 29 42.6						-.6	
11	AMA	EP	22 29 36.3	11.9	.1	2.39	65	72	-.1	
11	ASC	EP	22 29 37.3				70	304	.1	
11	AND	EP	22 29 39.7				88	305	-.2	
11	SSI	EP	22 29 40.5	24.4	.1	3.43	92	342	.1	
11	ANA	EP	22 29 43.2				109	302	.2	QP
.....										
11	ADK	EP	23 19 29.0							
		ES	23 19 36.0							
12	ADK	EP	04 10 26.9							
		ES	04 10 38.6							

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DEC 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
12	13 47	58.06	50.22 N 177.70 E	DEPTH = 75.0 KM			FIXED DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
12	ASB	EP	13 48 23.3	27.6	.1	3.74	168	40	-.3	
		E(S)	13 48 42.1						-.1	
12	ANA	IP C	13 48 23.8				171	23	-.2	
12	AND	IP C	13 48 24.0				174	30	-.3	
12	ASD	EP	13 48 24.1	22.7	.1	3.67	175	41	-.3	
12	ASC	EP	13 48 24.2				173	36	.0	
12	SSI	EP	13 48 32.1	88.7	.1		229	35	1.2	QTAMP
12	14 26	25.84	51.72 N 178.77 E	DEPTH = 45.1 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
12	ANA	EP	14 26 32.9				13	217	-.3	
		IS	14 26 39.0						.4	
12	AND	EP	14 26 33.7				21	145	.0	
12	ASB	E(P)	14 26 36.9	2.9	.1	2.37	52	140	.3	
		ES	14 26 44.0						-.4	
12	15 25	36.17	51.71 N 179.81 E	DEPTH = 100.3 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
12	ASD	E(P)	15 25 51.5	4.1	.1	2.71	48	223	-.1	
		ES	15 26 2.8						.0	
12	ASC	E(P)	15 25 51.9				52	239	.1	
12	ASB	E(P)	15 25 52.0	8.2	.1	3.03	55	226	.0	QP
		ES	15 26 3.5						-.0	
12	AND	EP	15 25 52.4				61	255	-.0	
12	18 5	8.08	51.95 N 179.63 E	DEPTH = 146.0 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
12	SSI	IP C	18 05 27.6	65.6	.1	4.03	6	205	-.1	
		E(S)	18 05 42.3						.3	
12	AND	IP C	18 05 29.4				63	228	.0	
12	ASD	IP C	18 05 29.5				65	198	.0	WHITE OUT
12	ASC	IP	18 05 29.6				62	211	.3	
12	ASB	IP C	18 05 29.9	206.3	.1	4.57	70	202	.1	
		IS	18 05 45.5						-.1	
12	ANA	IP C	18 05 30.2				75	242	.1	
12	RAT	IP C	18 05 31.0	119.2	.1	4.35	91	260	-.1	POOR TAMP
		E(S)	18 05 47.3						-.5	
12	AMA	IP C	18 05 32.5	73.5	.1	4.17	114	129	-.3	POOR TAMP
12	20 20	1.46	51.00 N 179.17 E	DEPTH = 50.0 KM			FIXED DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
12	ASB	E(P)	20 20 11.2	3.0	.1	2.36	40	8	-.1	
		ES	20 20 18.5						-.0	
12	ASD	E(P)	20 20 11.9	2.7	.1	2.33	45	16	.1	VERY POOR
12	AND	E(P)	20 20 13.9				64	347	.0	

DEC 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
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12	21 57	19.51	51.32 N 178.81 E	DEPTH = 44.4 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
12	AND	IPG	21 57 27.8				29	20	-.1	
12	ACF	EPG	21 57 27.9				26	28	.3	
12	ASB	EPG	21 57 28.0	3.6	.1	2.37	30	81	-.0	
		IS	21 57 33.7						-.5	
12	ANA	IPG	21 57 28.5				36	343	.0	
12	ASD	EPG	21 57 28.6	4.9	.1	2.53	37	78	-.1	
12	RAT	IPGD	21 57 31.3	20.9	.1	3.28	63	328	-.3	
		ES	21 57 40.2						-.1	

12	SSI	E(P)	23 54 28.5	8.3	.1					
12	ASD	IP	23 54 36.2	7.1	.1	3.02				
12	ASB	IP	23 54 36.7	8.7	.1	3.12				
		IS	23 54 51.5							
12	AND	IP	23 54 36.9							
12	ANA	IP	23 54 38.1							
12	RAT	IP	23 54 39.1	5.2	.1					

13	1 39	53.12	51.45 N 179.41 E	DEPTH = 76.3 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
13	ASB	EP	01 40 4.0				15	229	-.3	
13	ASD	IP	01 40 4.4				8	217	.2	BRUSH RECORD
		ES	01 40 11.7						-.5	
13	ACE	EPG	01 40 4.5				18	252	.1	
13	ACD	IPG	01 40 4.6				19	263	.2	
13	ACB	IPG	01 40 4.7				23	273	.2	
13	AND	EP	01 40 4.7				34	291	-.4	
13	ACF	EPG	01 40 5.2				30	286	.3	
		ES	01 40 13.9						.4	
13	ANA	EP	01 40 6.4				56	291	-.2	

13	9 31	54.81	51.60 N 178.48 E	DEPTH = 66.1 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
13	ANA	IP	09 32 4.7				13	77	.0	
13	RAT	IP	09 32 5.1				24	334	-.0	
13	AND	IP	09 32 5.6				33	98	-.0	
13	ACA	EP	09 32 6.7				46	107	.1	
13	ASC	IP	09 32 7.0				50	108	.1	
13	ASB	IP	09 32 7.6	2.3	.1	2.37	59	117	-.1	
		IS	09 32 17.1						-.1	
13	ASD	IP	09 32 8.2	28.4	.1	3.48	64	111	.0	
13	SSI	IP	09 32 10.1				83	67	-.0	
13	AMA	IP	09 32 20.4				171	101	-.0	

13	9 58	42.13	52.28 N 178.80 E	DEPTH = 100.0 KM			FIXED DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
13	RAT	IP	09 58 58.4	52.2	.1	3.84	63	211	-.1	
13	ANA	IP	09 58 59.2				74	187	-.1	
13	AND	IP	09 59 2.2				81	172	.3	
13	ASD	IP	09 59 2.0	21.6	.1	3.54	106	159	-.2	
		ES	09 59 16.8						-.0	

DEC 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
13	12 37	22.82	51.81 N 178.37 E	DEPTH = 106.4 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
13	RAT	IP D	12 37 37.3				3	252	-.2	
13	ANA	IP D	12 37 38.2				28	135	.2	
13	AND	IP D	12 37 39.0				48	124	.1	
13	ACF	IP	12 37 39.2				53	126	.0	
13	ACB	IP	12 37 39.8				63	128	-.0	
13	ACA	IP	12 37 40.0				63	125	.2	
13	ACD	IP	12 37 40.1				68	128	-.0	
13	ASC	IP	12 37 40.3				67	125	.2	
13	ACE	IP	12 37 40.3				71	129	-.1	
13	ASB	EP	12 37 40.9	17.8	.1	3.42	78	129	-.1	
	IS		12 37 54.1						-.1	
13	ASD	EP	12 37 41.0	27.0	.1	3.61	81	124	-.2	
13	SSI	EP	12 37 41.4	44.3	.1	3.83	84	83	-.0	
.....										
13	15 7	53.74	51.67 N 178.08 E	DEPTH = 79.9 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
13	RAT	IP C	15 08 5.6	57.1	.1	3.74	23	51	.0	
13	ANA	IP	15 08 6.5				41	97	-.0	
13	AND	IP	15 08 8.1				62	101	.0	
13	ACF	IP	15 08 8.2				66	104	-.2	
13	ACB	IP	15 08 9.2				74	108	.0	
13	ACA	IP	15 08 9.4				75	106	.1	
13	ASC	IP	15 08 9.7				79	107	.1	
13	ASB	IP	15 08 10.5	37.8	.1	3.70	88	113	-.0	
	ES		15 08 22.8						.0	
13	ASD	IP	15 08 11.0	33.6	.1	3.67	93	109	-.0	
13	SSI	IP D	15 08 12.5	177.0	.2	4.12	107	76	-.0	
.....										
13	17 28	32.45	51.45 N 179.46 E	DEPTH = 66.6 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
13	ASD	IP	17 28 42.2	7.0	.1	2.75	10	230	-.1	
13	ASB	IP	17 28 42.6	7.6	.1	2.79	18	235	.0	
	IS		17 28 49.9						-.0	
13	ASC	IP	17 28 42.8				20	274	.1	
13	ACA	IP	17 28 42.8				24	278	-.0	
13	AND	IP	17 28 43.5				37	290	-.1	
13	SSI	IP	17 28 44.6	15.4	.1	3.17	50	10	.0	
.....										
13	22 56	37.67	51.48 N 178.73 E	DEPTH = 33.2 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
13	ANA	IP	22 56 43.7				18	343	-.1	
13	AND	EP	22 56 43.9				18	57	.1	
13	ASC	IP	22 56 45.0				30	92	.1	
	IS		22 56 50.1						-.1	
13	ASD	IP	22 56 46.4	3.9	.1	2.41	43	102	-.1	
13	SSI	IP	22 56 50.8	33.2	.1	3.50	75	51	-.0	
.....										
14	2 29	26.70	52.80 N 171.99 E	DEPTH = 41.0 KM			TELESEISMIC SOLUTION			
NEAR ISLANDS, ALEUTIAN ISLANDS										
14	SMY	EP	02 29 49.0				143	92		
14	ADK	EP	02 31 9.2				778	93		
	ES		02 32 22.4							
14	NIK	EP	02 32 12.1				1287	82		

DEC 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
14	GMA	EP	02 33 42.3				2055	36		
.....										
14	4 46 39.63		51.20 N 178.50 E	DEPTH = 25.0 KM			FIXED DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
14	ANA	IP	04 46 48.9				49	13	.3	
14	AND	IP	04 46 49.2				51	38	.3	
14	ASB	IP	04 46 49.5				55	71	.0	
		IS	04 46 56.0						-.7	
14	ASD	IP	04 46 50.5	22.7	.1	3.26	62	70	-.0	
14	RAT	IP D	04 46 50.8	39.7	.1	3.53	68	350	-.6	
14	SSI	IP C	04 46 57.6	79.8	.1	4.00	108	44	.3	
.....										
14	ADK	EP	06 53 5.0							
		ES	06 53 12.0							
.....										
14	12 0 59.27		51.72 N 179.82 E	DEPTH = 86.4 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
14	ASD	IP C	12 01 13.3	18.6	.1	3.33	49	222	.0	
14	ASC	IP	12 01 13.6				54	238	.0	
14	ASB	IP	12 01 13.8	31.1	.1	3.56	56	225	.0	
		ES	12 01 24.4						.0	
.....										
14	ADK	EP	13 12 52.6							
		ES	13 13 .1							
.....										
14	22 24 40.60		51.90 N 179.50 E	DEPTH = 180.4 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
14	ASD	EP	22 25 5.6	11.9	.1	3.39	58	191	-.0	POOR AMP
14	ASB	IP	22 25 5.8				63	197	-.0	
		ES	22 25 24.2						-.0	
14	RAT	IP	22 25 6.7	19.9	.1	3.63	82	262	-.0	
.....										
15	4 59 29.20		53.71 N 169.46 E	DEPTH = 35.0 KM MB = 5.1			TELESEISMIC SOLUTION			
KOMANDORSKY ISLANDS REGION										
15	SMY	E(P)	05 00 15.1				329	108		
15	GMA	EP	05 03 47.1				2079	40		
.....										
15	6 5 17.66		51.38 N 179.37 W	DEPTH = 25.0 KM			FIXED DEPTH SOLUTION			
DELAROF ISLANDS, ALEUTIAN ISLANDS										
15	ASD	E(P)	06 05 32.6	8.5	.1	2.96	89	271	-.0	V. POOR EVENT
15	ASB	E(P)	06 05 33.6	5.5	.1	2.80	96	269	.0	
		E(S)	06 05 45.2						.0	
15	ASC	E(P)	06 05 34.5				102	276	.0	
.....										
15	ASD	E(P)	07 27 6.1	5.9	.1	3.08				VERY POOR EVENT
15	ASB	E(P)	07 27 7.2	9.9	.1	3.32				
		E(S)	07 27 28.5							
15	ASC	E(P)	07 27 8.0							

DEC 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
15	8 29	55.30	56.05 N 163.18 E	DEPTH =		33.0 KM	MB = 6.1	MS = 7.7	TELESEISMIC SOLUTION	
NEAR EAST COAST OF KAMCHATKA										
15	RAT	E(P)	08 32 14.6				1100	109		WHITE OUT
15	ANA	EP	08 32 17.4				1130	109		TELESEISMIC
15	AND	EP	08 32 20.2				1151	109		
15	ASC	EP	08 32 22.2				1169	109		
15	SSI	E(P)	08 32 22.5				1170	106		WHITE OUT
15	ASD	EP	08 32 23.4				1184	109		WHITE OUT
15	ASB	EP	08 32 24.0				1180	110		
15	AMA	EP	08 32 37.4				1282	107		WHITE OUT
15	ADK	EP	08 32 48.8				1396	101		
		ES	08 35 6.8							
.....										
15	9 22	35.80	55.79 N 163.68 E	DEPTH =		33.0 KM	MB = 5.2	TELESEISMIC SOLUTION		
OFF EAST COAST OF KAMCHATKA										
.....										
15	10 22	33.06	52.36 N 178.77 E	DEPTH =		107.9 KM	FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
15	RAT	E(P)	10 22 50.6	16.5	.1	3.37	70	206	-.1	
		ES	10 23 3.7						.2	
15	ANA	EP	10 22 51.6				82	185	-.1	
15	AND	EP	10 22 52.3				90	172	-.0	
		ES	10 23 6.2						-.2	
15	ASC	EP	10 22 53.7				104	165	.2	
15	ASD	EP	10 22 54.6	8.8	.2	2.88	115	160	-.0	
.....										
15	10 37	33.92	51.23 N 179.92 E	DEPTH =		50.0 KM	FIXED DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
15	ASD	IPGO	10 37 44.0	15.1	.1	3.08	44	294	-.1	
		ES	10 37 51.3						-.3	
15	ASB	E(P)	10 37 44.6	19.4	.2	2.91	49	287	-.0	VQP
		ES	10 37 52.6						.2	
15	ASC	IPG	10 37 45.8				58	296	.2	
15	AND	E(P)	10 37 47.8				76	299	.1	VQP
.....										
15	11 11	7.00	55.67 N 163.99 E	DEPTH =		33.0 KM	MB = 5.2	TELESEISMIC SOLUTION		
KOMANDORSKY ISLANDS REGION										
.....										
15	12 1	46.40	55.68 N 163.97 E	DEPTH =		33.0 KM	MB = 5.3	TELESEISMIC SOLUTION		
KOMANDORSKY ISLANDS REGION										
.....										
15	13 7	42.60	55.75 N 164.06 E	DEPTH =		33.0 KM	MB = 5.3	TELESEISMIC SOLUTION		
KOMANDORSKY ISLANDS REGION										
15	ADK	EP	13 10 32.4				1335	101		
.....										

DEC 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
15	13 18	19.90	56.08 N 163.02 E	DEPTH = 35.0 KM	MB = 5.0					TELESEISMIC SOLUTION NEAR EAST COAST OF KAMCHATKA
15	15 6	50.20	55.84 N 163.55 E	DEPTH = 33.0 KM	MB = 5.1					TELESEISMIC SOLUTION OFF EAST COAST OF KAMCHATKA
15	AMA	IP D	21 34 49.7	133.1	.2					
15	ASD	IP	21 34 58.2	6.9	.1	2.94				
		ES	21 35 10.4							
15	ASB	IP	21 34 59.0	9.5	.2	2.80				
15	ASC	EP	21 35 .3							
15	SSI	IP	21 35 1.5	133.0	.1					
15	AND	EP	21 35 4.4							
16	0 3	6.30	55.73 N 163.98 E	DEPTH = 41.0 KM	MB = 4.8					TELESEISMIC SOLUTION KOMANDORSKY ISLANDS REGION
16	ADK	EP	00 05 56.2				1340	101		
16	AMA	IP D	02 08 50.8							
16	ASD	EP	02 09 0.0	45.2	.1					
		EP	02 09 14.3							
16	ASB	EP	02 09 .6							
16	ASC	EP	02 09 2.1							
16	SSI	IP	02 09 3.8	84.2	.1					
16	AND	EP	02 09 4.9							
16	ANA	EP	02 09 7.1							
16	RAT	IP	02 09 11.1							
16	ADK	EP	02 09 14.0							
		ES	02 09 37.6							
16	5 9	42.05	51.31 N 179.50 W	DEPTH = 25.0 KM						FIXED DEPTH SOLUTION DELAROF ISLANDS, ALEUTIAN ISLANDS
16	ASD	IP	05 09 55.5	4.5	.1	2.65	81	277	-.2	
16	ASB	IP	05 09 56.8	4.3	.1	2.66	87	274	.1	
		ES	05 10 7.3						.0	
16	ASC	I(P)	05 09 57.8				94	281	.1	
16	12 25	48.00	55.89 N 163.56 E	DEPTH = 33.0 KM	MB = 5.6	MS = 5.1				TELESEISMIC SOLUTION OFF EAST COAST OF KAMCHATKA
16	ADK	EP	12 28 43.0				1369	101		
		E	12 28 49.1							
		E	12 29 3.5							
16	12 29	31.40	55.84 N 163.62 E	DEPTH = 33.0 KM	MB = 5.2					TELESEISMIC SOLUTION OFF EAST COAST OF KAMCHATKA
16	ADK	EP	17 16 14.4							
		ES	17 16 27.0							

DEC 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
16	18 54	9.10	20.54 S	178.45 W	DEPTH = 581.0 KM MB = 4.2			TELESEISMIC SOLUTION		
FIJI ISLANDS REGION										
16	ADK	EP	19 04 35.6	34.0	.6		8020	1		
17	0 5	19.10	55.10 N	161.18 W	DEPTH = 33.0 KM MB = 4.5			TELESEISMIC SOLUTION		
ALASKA PENINSULA										
17	4 31	1.94	52.14 N	179.77 E	DEPTH = 137.3 KM			FREE DEPTH SOLUTION		
RAT ISLANDS, ALEUTIAN ISLANDS										
17	AND	EP	04 31 23.7				85	222	.1	
17	ASD	IP	04 31 23.9				88	200	.0	
17	ASC	EP	04 31 23.9				86	209	.2	
17	ASB	EP	04 31 24.1				94	203	-.2	
		IS	04 31 40.5						-.0	
17	RAT	IP	04 31 25.1				106	250	-.1	
17	AMA	EP	04 31 26.5	50.4	.2	3.70	122	140	-.0	
17	ADK	EP	09 32 39.7							
		ES	09 33 1.8							
17	ADK	EP	16 02 40.8							
		ES	16 02 56.4							
17	18 25	24.60	55.52 N	163.91 E	DEPTH = 33.0 KM MB = 4.9 MS = 5.1			TELESEISMIC SOLUTION		
OFF EAST COAST OF KAMCHATKA										
17	19 6	7.10	55.55 N	163.93 E	DEPTH = 33.0 KM MB = 5.5 MS = 5.9			TELESEISMIC SOLUTION		
OFF EAST COAST OF KAMCHATKA										
17	ADK	EP	19 08 56.7				1339	100		
		E	19 09 7.6							
		ES	19 11 24.0							
17	ADK	EP	22 10 41.6							
		ES	22 10 50.7							
18	ADK	EP	04 21 22.2							
		ES	04 21 32.0							
18	ADK	EP	06 12 4.7							
		ES	06 12 25.8							
18	AMA	IP	07 35 13.1	186.0	.1					
18	ADK	IP	07 35 23.6							4.4ML D 1.2 SW
		ES	07 35 39.4							
18	ASD	EP	07 35 27.3	10.4	.1					
		ES	07 35 51.4							
18	ASB	EP	07 35 28.7	9.7	.1					
18	SSI	EP	07 35 28.7							
18	ASC	EP	07 35 29.7							
18	AND	EP	07 35 33.0							
18	ANA	EP	07 35 34.8							
18	RAT	EP	07 35 39.5							
18	ADK	IP	08 42 58.4							

DEC 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
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		ES	08 43 5.5							
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18	ADK	EP	10 03 11.3							
		ES	10 03 31.2							

18	11 15 21.87	50.04 N 178.72 E DEPTH = 24.1 KM				FREE DEPTH SOLUTION				
RAT ISLANDS, ALEUTIAN ISLANDS										
18	ASB	IP C	11 15 46.3	379.2	.1	4.81	152	14	.2	
		ES	11 16 3.6						-.2	
18	ACE	IP	11 15 46.7				155	12	.1	
18	ASD	IP C	11 15 46.8				157	16	-.1	
18	ACD	IP	11 15 47.0				157	11	.0	
18	ACB	IP	11 15 47.5				161	9	.0	
18	ASC	IP	11 15 47.6				161	11	-.0	
18	ACC	IP	11 15 47.6				162	8	-.1	
18	ACA	IP	11 15 47.8				163	10	.0	
18	AND	IP	11 15 48.5				170	5	-.2	
18	ACF	IP	11 15 48.7				167	6	.5	
18	ANA	IP	11 15 49.2				177	359	-.3	
18	RAT	EP	11 15 51.8	32.3	.1	3.84	198	352	-.3	
18	AMA	IP	11 15 52.8	64.9	.1		207	47	-.4	
18	SSI	IP C	11 15 55.3				215	16	1.1	
18	ADK	IP	11 16 15.3				382	56	.5	
		ES	11 16 53.4						-.1	

18	12 34 46.40	51.19 N 176.31 W DEPTH = 17.0 KM MB = 3.7				TELESEISMIC SOLUTION				
ANDREANOF ISLANDS, ALEUTIANS ISLANDS										
18	ADK	IP	12 35 0.0				81	342	.1	
		ES	12 35 7.0						-2.8	
18	AMA	EP	12 35 16.4	36.8	.1	3.89	195	274	-.5	
18	ASD	EP	12 35 29.9				303	276	-.4	
		ES	12 36 5.4						3.1	
18	ASC	EP	12 35 31.6				316	277	-.2	
18	AND	EP	12 35 33.9				331	279	.2	
18	ANA	EP	12 35 36.8				352	280	.5	

18	17 16 52.87	51.59 N 179.60 E DEPTH = 75.0 KM				FREE DEPTH SOLUTION				
RAT ISLANDS, ALEUTIAN ISLANDS										
18	ASD	EP	17 17 4.3	9.0	.1	2.93	29	220	-.1	
18	ACA	EP	17 17 4.7				36	251	-.1	
18	ASB	IP	17 17 4.8	10.6	.1	3.01	36	224	.0	
		IS	17 17 13.5						.0	
18	ASC	IP	17 17 4.8				34	245	.1	
18	SSI	E(P)	17 17 4.8				34	358	.1	
18	ACE	EP	17 17 4.8				37	235	-.1	
18	ACB	EP	17 17 5.0				38	249	.0	
18	ACD	EP	17 17 5.0				37	241	.1	
18	ACC	EP	17 17 5.1				41	254	-.0	
18	AND	IP	17 17 5.4				45	266	-.0	
18	ACF	EP	17 17 5.5				43	261	.2	
18	ANA	IP	17 17 7.2				65	274	.1	
18	RAT	EP	17 17 9.3				91	285	-.3	
18	AMA	EP	17 17 10.0	7.6	.1	3.02	95	110	-.1	

18	ADK	EP	18 18 56.4							
		ES	18 19 15.6							

DEC 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
18	18 19	54.91	51.47 N 178.80 E	DEPTH = 33.8 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
18	AND	IP C	18 20 1.2				14	45	.3	
18	ACC	IP	18 20 1.3				17	85	.3	
18	ACB	IP	18 20 1.4				20	93	.1	
18	ANA	IP C	18 20 1.6				20	330	.3	
18	ACD	IP	18 20 1.6				23	102	.0	
18	ACA	IP	18 20 1.7				22	87	.3	
18	ACE	IP	18 20 1.7				27	107	-.2	
18	ASC	IP C	18 20 1.8				25	92	.1	
18	ASB	IP C	18 20 2.1	78.4	.1	3.65	33	112	-.5	
		IS	18 20 8.2						.1	
18	ASD	IP C	18 20 2.7				38	103	-.5	
18	RAT	IP	18 20 4.1	54.6	.1	3.59	49	318	-.4	
18	SSI	IP C	18 20 7.3	84.2	.1	3.89	72	49	-.3	
18	AMA	EP	18 20 18.3				146	97	.4	
.....										
18	21 57	52.60	55.60 N 163.28 E	DEPTH = 33.0 KM			MB = 5.5 MS = 5.1 TELESEISMIC SOLUTION			
OFF EAST COAST OF KAMCHATKA										
18	ADK	EP	22 01 9.5				1381	99		
.....										
19	1 9	21.63	52.54 N 179.08 W	DEPTH = 154.0 KM			FREE DEPTH SOLUTION			
DELAROF ISLANDS, ALEUTIAN ISLANDS										
19	ASD	IP	01 09 51.8	12.3	.1	3.47	168	221	.0	
		ES	01 10 13.8						.0	
19	ASC	IP	01 09 52.1				170	226	.1	
19	AND	EP	01 09 52.2				173	232	-.1	
19	ASB	IP	01 09 52.4				174	222	-.0	
19	ANA	EP	01 09 53.5				185	238	.0	
19	RAT	IP	01 09 54.5				195	246	.0	
.....										
19	6 57	55.60	51.56 N 176.41 W	DEPTH = 59.0 KM			MB = 4.1 TELESEISMIC SOLUTION			
ANDREANOF ISLANDS, ALEUTIANS ISLANDS										
19	ADK	IP	06 58 5.8				40	332	-.5	4.4ML D0.5 SE
		ES	06 58 12.4						-1.6	
19	AMA	EP	06 58 24.1				190	262	.7	
19	SSI	EP	06 58 34.6	44.3	.1		279	279	.3	
19	ASD	IP	06 58 37.0	56.7	.2		295	268	.6	
19	ASB	EP	06 58 37.9	121.3	.2		302	267	.7	
		ES	06 59 10.0						2.4	
19	ASC	IP C	06 58 38.8				307	270	1.0	
19	AND	EP	06 58 40.3				321	272	.7	
19	ANA	EP	06 58 42.8				341	273	.8	
19	RAT	EP	06 58 45.5	34.8	.1		364	276	.6	
.....										
19	RAT	EP	07 38 20.8							
19	ANA	EP	07 38 25.0							
19	AND	EP	07 38 26.4							
		ES	07 39 3.8							
19	ASC	EP	07 38 30.3							
19	ASD	EP	07 38 31.8	67.9	.3					
19	ADK	EP	07 51 13.2							
		ES	07 51 20.9							

DEC 1971	STA	PHASE	TIME (GHT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
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.....
 . 19 7 50 27.80 55.96 N 163.04 E DEPTH = 33.0 KM MB = 4.9 MS = 5.3 TELESEISMIC SOLUTION .
 . NEAR EAST COAST OF KAMCHATKA .
 .

. 19 ADK EP 07 53 26.1 1403 100 .
 .

19 ADK IP 09 01 17.6
 ES 09 01 28.9
 19 AMA EP 09 01 39.1 54.0 .2
 19 SSI EP 09 01 53.3
 19 ASD EP 09 01 53.5 11.6 .2
 ES 09 02 43.2
 19 ASB EP 09 01 54.2 15.2 .2
 19 ASC EP 09 01 54.6
 19 AND EP 09 01 56.1
 19 ANA EP 09 02 .6
 19 RAT EP 09 02 2.4

.....
 . 19 9 32 6.75 51.12 N 179.24 E DEPTH = 28.5 KM FREE DEPTH SOLUTION .
 . RAT ISLANDS, ALEUTIAN ISLANDS .
 .

. 19 ASB IP D 09 32 13.2 19.0 .1 2.96 27 1 .0
 IS 09 32 17.8 -.0
 . 19 ASD IP D 09 32 13.5 15.5 .1 2.91 31 13 -.1
 . 19 ACE IP 09 32 13.7 32 351 -.0
 . 19 ACD IP 09 32 14.2 35 348 .0
 . 19 ASC IP D 09 32 14.7 39 352 .1
 . 19 ACB IP 09 32 14.8 40 345 .1
 . 19 ACA EP 09 32 15.0 41 348 .1
 . 19 ACC IP 09 32 15.2 43 341 .0
 . 19 AND IP D 09 32 16.4 53 338 -.2
 . 19 ANA IP 09 32 18.8 69 325 -.1
 . 19 SSI IP 09 32 21.8 8.8 .1 2.98 89 15 .0
 .

19 RAT IP 10 31 4.0 5.5 .1
 19 ANA EP 10 31 5.6
 19 AND EP 10 31 6.4
 ES 10 31 12.3
 19 ASC EP 10 31 8.0
 19 ASD EP 10 31 8.8 1.7 .1
 19 ASB EP 10 31 8.9
 19 ADK EP 11 35 .3
 ES 11 35 26.7
 19 AMA IP D 13 09 21.7 46.8 .2
 19 ASD EP 13 09 29.2 1.7 .1 2.36
 19 ASB EP 13 09 30.4 1.1 .1 2.21
 ES 13 09 44.7
 19 ASC EP 13 09 32.0
 19 SSI IP 13 09 32.7 8.1 .2
 19 AND EP 13 09 34.1

.....
 . 19 15 32 18.30 55.23 N 163.03 E DEPTH = 33.0 KM MB = 5.1 MS = 5.1 TELESEISMIC SOLUTION .
 . OFF EAST COAST OF KAMCHATKA .
 .

. 19 ADK EP 15 35 16.3 1391 97 .
 .

19 ADK EP 16 32 43.2
 ES 16 32 54.9

DEC 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
19	18 28	53.60	51.40 N 178.04 W	DEPTH = 47.0 KM			TELESEISMIC SOLUTION			
ANDREANOF ISLANDS, ALEUTIANS ISLANDS										
19	AMA	IP C	18 29 7.1	43.2	.1	3.65	75	261	-.1	
19	ADK	EP	18 29 11.1				108	60	-.2	
		ES	18 29 24.6						.5	
19	SSI	EP	18 29 19.2	66.5	.1	4.11	173	290	.0	
19	ASD	EP	18 29 20.2	3.5	.1	2.85	182	271	-.1	
		ES	18 29 41.0						1.3	
19	ASB	EP	18 29 21.2	3.8	.1	2.90	188	270	.1	
19	AND	EP	18 29 24.1				209	276	.5	
19	ANA	EP	18 29 26.7				230	278	.5	
19	RAT	EP	18 29 29.7				255	282	.4	
.....										
19	23 10	22.57	51.49 N 178.16 W	DEPTH = 99.9 KM			FREE DEPTH SOLUTION			
ANDREANOF ISLANDS, ALEUTIANS ISLANDS										
19	AMA	IP D	23 10 39.4				69	251	.0	
19	ADK	EP	23 10 41.3				111	66	-1.8	
		ES	23 10 54.8						-3.3	
19	ASD	EP	23 10 49.9	3.5	.1	2.88	173	267	.1	
19	ASB	EP	23 10 50.5	10.9	.1	3.38	180	266	-.1	
		ES	23 11 11.0						.0	
19	ASC	EP	23 10 51.1				185	270	-.0	
19	AND	EP	23 10 52.8				200	273	.0	
.....										
19	ADK	EP	23 47 5.6							
		ES	23 47 25.0							
.....										
20	0 23	53.70	55.95 N 163.83 E	DEPTH = 34.0 KM MB = 4.9			TELESEISMIC SOLUTION			
NEAR EAST COAST OF KAMCHATKA										
20	ADK	E(P)	00 26 44.3				1354	101		
.....										
20	8 12	3.40	51.11 N 179.13 E	DEPTH = 36.6 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
20	ASB	IP	08 12 11.0	6.5	.1	2.57	29	17	.1	
		ES	08 12 16.4						-.0	
20	ASD	IP	08 12 11.4				35	26	-.1	
20	ASC	IP	08 12 12.2				39	4	.1	
20	AND	IP	08 12 13.6				52	347	.0	
20	ANA	IP	08 12 15.4				66	331	-.1	
.....										
20	ADK	EP	08 51 45.8							
		ES	08 51 59.3							
20	ADK	EP	13 01 34.9							
		ES	13 01 43.8							
.....										
20	13 32	41.59	51.95 N 178.17 E	DEPTH = 132.4 KM MB = 4.3			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
20	RAT	IP C	13 32 59.5				20	147	-.2	
20	ANA	IP C	13 33 .9				49	136	.3	
20	AND	IP C	13 33 1.8				69	128	.1	
20	ACF	IP	13 33 1.8				74	129	-.2	
20	ACE	IP	13 33 3.1				92	131	-.2	
20	ASC	IP	13 33 3.2				87	128	.3	
20	SSI	IP	13 33 3.7				97	93	-.0	

DEC 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
. 20	ASB	EP	13 33 3.8				99	131	-.0	
.		ES	13 33 20.0						-.0	
. 20	ASD	IP C	13 33 4.0	32.3	.1	3.77	102	127	-.0	
. 20	AMA	EP	13 33 13.7				202	110	-.0	
. 20	SMY	EP	13 33 21.5				290	289	-2.2	
. 20	ADK	EP	13 33 30.5				353	89	-.6	
.		ES	13 34 8.3						1.1	
. 20	GMA	EP	13 36 32.0				1909	30	-9.8	

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FIXED DEPTH SOLUTION										
. 20	17 52 55.70	50.10 N 178.53 W DEPTH = 75.0 KM								
.		OELAROF ISLANDS, ALEUTIAN ISLANDS								
. 20	AMA	EP	17 53 17.5	60.5	.1	4.02	139	343	-.3	
. 20	ASD	EP	17 53 25.4	18.3	.1		208	315	-.6	
. 20	ASB	EP	17 53 26.5				210	313	.2	
.		ES	17 53 48.5						-.2	
. 20	ASC	EP	17 53 28.5				222	314	.7	
. 20	ADK	EP	17 53 29.5				237	32	-.1	
.		ES	17 53 54.4						.1	
. 20	AND	EP	17 53 29.5				241	314	-.5	
. 20	SSI	EP	17 53 30.6	35.5	.1		239	327	.8	
. 20	ANA	EP	17 53 32.2				260	312	-.2	
. 20	RAT	EP	17 53 36.3				290	312	.2	

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TELESEISMIC SOLUTION										
. 20	23 14 16.50	51.47 N 177.28 W DEPTH = 54.0 KM MB = 4.2								
.		ANDREANOF ISLANDS, ALEUTIANS ISLANDS								
. 20	ADK	IP	23 14 28.1				61	42	-.7	4.6ML D 0.6 SW
.		ES	23 14 36.9						-.9	
. 20	AMA	IP D	23 14 35.2				129	262	-1.6	
. 20	SSI	EP	23 14 48.9				221	283	.8	
. 20	ASD	IP	23 14 49.9	81.5	.2		235	269	.1	
.		ES	23 15 18.2						4.2	
. 20	ASB	EP	23 14 51.4				242	268	.8	
. 20	ASC	EP	23 14 52.0				247	271	.8	
. 20	AND	EP	23 14 53.6				261	274	.6	
. 20	ANA	EP	23 14 57.1				282	275	1.6	
. 20	RAT	EP	23 14 59.7				306	279	1.2	

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21	RAT	IP	00 49 30.9	57.1	.1					
21	ADK	EP	02 44 50.8							
		ES	02 45 2.5							
21	AMA	IP C	03 07 9.0	23.8	.1					
21	SSI	EP	03 07 26.1							

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FREE DEPTH SOLUTION										
. 21	4 25 8.20	52.28 N 179.88 W DEPTH = 163.1 KM								
.		OELAROF ISLANDS, ALEUTIAN ISLANDS								
. 21	ASD	EP	04 25 34.3	6.0	.1	3.11	112	209	-.2	
. 21	AND	EP	04 25 34.5				113	226	.0	
. 21	ASC	IP	04 25 34.7				112	216	.3	
. 21	ASB	IP	04 25 34.9	13.9	.1	3.48	119	211	-.0	
.		ES	04 25 54.4						-.0	
. 21	ANA	IP	04 25 35.2				124	235	-.1	
. 21	AMA	IP C	04 25 35.2	51.9	.1	4.06	123	154	-.0	

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DEC 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
21	5 14	17.87	51.63 N 178.42 E	DEPTH = 70.6 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
21	ANA	IP	05 14 28.4				17	91	-.0	
21	RAT	IP	05 14 28.5				20	343	-.0	
21	AND	IP	05 14 29.5				38	101	.0	
		IS	05 14 37.9						-.0	
21	ASC	EP	05 14 30.9				55	109	.1	
21	ASD	IP	05 14 32.0	4.3	.1	2.69	69	112	-.1	
21	SSI	EP	05 14 33.8				86	70	-.0	
.....										
21	5 45	30.83	51.05 N 179.97 W	DEPTH = 30.9 KM			FREE DEPTH SOLUTION			
DELAROF ISLANDS, ALEUTIAN ISLANDS										
21	ASD	IP D	05 45 42.0	47.2	.1	3.58	61	309	.1	
21	AMA	IP C	05 45 42.4	57.6	.2	3.39	66	66	-.1	
21	ASB	IP D	05 45 42.6	54.7	.1	3.67	65	303	.2	
		ES	05 45 50.4						-.4	
21	ACE	IP	05 45 43.4				72	304	.0	
21	ACD	IP	05 45 44.0				75	305	.1	
21	ASC	IP	05 45 44.2				76	308	.2	
21	ACA	IP	05 45 44.7				80	308	.2	
21	ACB	IP	05 45 44.7				80	306	.1	
21	ACC	IP	05 45 45.2				84	306	-.0	
21	AND	IP C	05 45 46.5				94	308	-.2	
21	SSI	IP D	05 45 47.5				99	342	.1	
21	ANA	IP	05 45 49.3				115	305	-.4	
21	RAT	EP	05 45 53.9				145	306	-.0	
.....										
21	ADK	EP	07 11 47.8							
		ES	07 11 55.3							
.....										
21	8 30	26.62	51.48 N 179.71 W	DEPTH = 61.5 KM			FREE DEPTH SOLUTION			
DELAROF ISLANDS, ALEUTIAN ISLANDS										
21	AMA	IP	08 30 38.1	7.1	.1	2.81	47	117	.0	
21	ASD	EP	08 30 39.7	4.6	.1	2.68	67	262	-.2	
21	SSI	EP	08 30 39.9				67	313	-.0	
21	ASB	IP	08 30 40.6	8.4	.1	2.97	74	260	-.1	
		IS	08 30 51.1						.1	
21	ASC	IP	08 30 41.3				78	269	.1	
21	AND	EP	08 30 42.8				93	276	-.0	
21	ANA	EP	08 30 45.4				114	279	.1	
.....										
21	10 55	59.40	55.35 N 163.04 E	DEPTH = 33.0 KM			TELESEISMIC SOLUTION			
OFF EAST COAST OF KAMCHATKA										
.....										
21	12 56	19.90	51.46 N 178.42 W	DEPTH = 8.0 KM			TELESEISMIC SOLUTION			
DELAROF ISLANDS, ALEUTIAN ISLANDS										
21	AMA	IP C	12 56 30.3				52	249	1.0	
21	ADK	IP	12 56 41.1				129	68	.1	
		ES	12 56 56.6						.2	
21	ASD	EP	12 56 44.8				156	268	-.3	
21	ASB	EP	12 56 45.6	549.1	.2	4.69	163	267	-.5	
		IS	12 57 5.8						.5	
21	SSI	IP D	12 56 45.6				146	290	2.0	
21	ASC	EP	12 56 46.9				168	271	-.0	
21	AND	IP	12 56 49.1				183	275	-.1	

DEC 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
21	ANA	EP	12 56 52.0				203	277	-.3	
21	RAT	EP	12 56 55.9	198.3	.2		228	281	.4	
.....										
21	16 6 24.40	53.75 N 164.25 W DEPTH = 33.0 KM MB = 4.2					TELESEISMIC SOLUTION			
UNIMAK ISLAND REGION										
21	ADK	EP	16 08 17.9				863	261		
.....										
21	21 40 51.19	51.43 N 178.38 E DEPTH = 55.2 KM					FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
21	ANA	IP D	21 41 .6				29	42	.0	
21	AND	IP	21 41 1.5				42	70	-.1	
21	ACC	IP	21 41 2.1				46	83	.1	
21	ACB	IP	21 41 2.4				49	86	.1	
21	ACA	IP	21 41 2.6				51	84	.1	
21	ACD	IP	21 41 2.7				52	90	.1	
21	ACE	IP	21 41 2.8				55	94	-.1	
21	ASC	IP	21 41 2.9				54	86	.1	
21	ASB	IP	21 41 3.3	7.7	.1	2.87	61	97	-.2	
		ES	21 41 12.4						-.0	
21	ASD	IP D	21 41 4.2				67	94	.1	
21	SSI	EP	21 41 7.7				98	58	-.0	
.....										
21	ADK	EP	21 48 40.3							
		ES	21 49 9.1							
.....										
21	22 0 35.02	51.47 N 178.82 E DEPTH = 46.5 KM					FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
21	AND	IP	22 00 42.6				14	40	-.0	
21	ACC	EP	22 00 42.6				15	82	-.1	
21	ACB	IP	22 00 42.9				19	91	.0	
21	ANA	IP	22 00 43.0				21	328	-.0	
21	ACA	IP	22 00 43.0				21	85	.0	
21	ACD	EP	22 00 43.1				22	101	.0	
21	ASC	IP	22 00 43.4				24	91	.2	
21	ASD	IP	22 00 44.2	3.4	.1	2.38	37	103	-.1	
		IS	22 00 51.0						-.1	
.....										
21	22 28 12.64	51.52 N 179.76 E DEPTH = 62.5 KM					FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
21	ASD	IP	22 28 23.0	12.3	.1	3.01	32	244	-.0	
21	ASB	IP	22 28 23.6	11.6	.1	3.00	40	244	.0	
		IS	22 28 31.5						-.0	
21	ACE	EP	22 28 23.7				43	252	-.1	
21	ASC	IP	22 28 23.9				42	262	.2	
21	ACA	IP	22 28 23.9				45	265	-.1	
21	ACD	EP	22 28 23.9				44	257	-.0	
21	ACB	IP	22 28 24.2				47	263	.1	
21	ACC	IP	22 28 24.5				50	266	.1	
21	AND	IP	22 28 24.9				56	275	-.1	
21	ANA	IP	22 28 27.3				77	279	.2	
21	RAT	IP	22 28 30.0				104	288	-.1	
.....										
22	ADK	EP	00 05 48.2							
		ES	00 05 59.1							
22	ADK	EP	00 45 9.4							

DEC 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
	ES		00 45 17.7							
22	0 49 21.09		51.54 N 177.95 E				57.2			FREE DEPTH SOLUTION RAT ISLANDS, ALEUTIAN ISLANDS
22	ANA	IP	00 49 32.5				50	78	.1	
22	AND	EP	00 49 34.2				69	87	-.2	
22	ASC	EP	00 49 36.5				84	95	.4	
22	ASB	IP	00 49 36.9	9.1	.1	3.05	92	102	-.1	
		ES	00 49 48.6						-.0	
22	ASD	IP	00 49 37.6	8.0	.1	3.01	98	99	-.1	
22	1 25 54.08		51.57 N 178.81 E				21.8			FREE DEPTH SOLUTION RAT ISLANDS, ALEUTIAN ISLANDS
22	AND	IP D	01 25 58.0				10	92	-.1	
22	ANA	EP	01 25 58.3				12	304	.0	
22	ASC	EP	01 26 .2				27	115	.3	
22	ASB	EP	01 26 1.3	3.9	.1	2.32	38	127	-.1	
		ES	01 26 6.7						.0	
22	ASD	EP	01 26 1.8	6.2	.1	2.55	42	118	-.1	
22	3 7 7.00		51.88 N 178.54 W				33.0			TELESEISMIC SOLUTION DELAROF ISLANDS, ALEUTIAN ISLANDS
22	ADK	EP	03 07 26.8				127	89	-.9	
		ES	03 07 41.9						-.9	
22	ASD	EP	03 07 30.5	5.5	.1	2.98	156	251	-.8	
		ES	03 07 49.6						.5	
22	ASB	EP	03 07 31.6	8.1	.1	3.17	164	250	-.6	
22	ASC	EP	03 07 32.1				165	255	-.3	
22	AND	EP	03 07 32.9				177	260	-.9	
22	ANA	EP	03 07 35.9				195	263	-.2	
22	11 2 36.10		55.94 N 163.70 E				33.0			TELESEISMIC SOLUTION OFF EAST COAST OF KAMCHATKA
							MB = 4.9			
22	ADK	EP	11 05 27.0				1361	101		
22	11 50 26.40		44.34 N 147.37 E				65.0			TELESEISMIC SOLUTION KURIL ISLANDS
							MB = 4.8			
22	ADK	EP	11 55 46.1				2775	60		
		E	11 56 2.5							
22	17 28 10.79		51.01 N 179.20 E				29.9			FREE DEPTH SOLUTION RAT ISLANDS, ALEUTIAN ISLANDS
22	ASB	IP	17 28 18.9	300.7	.1	4.25	39	5	.1	
		IS	17 28 24.1						-.5	
22	ASD	IP D	17 28 19.2				43	13	-.2	
22	ACE	IP	17 28 19.5				43	358	.1	
22	ACD	IP	17 28 19.9				47	355	.1	
22	ASC	IP	17 28 20.4				50	357	.1	
22	ACB	IP	17 28 20.5				51	352	.2	
22	ACA	IP	17 28 20.6				53	354	.0	
22	AND	IP	17 28 22.0				64	345	-.1	
22	ACF	IP	17 28 22.1				59	346	.6	

DEC 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
22	ANA	IP	17 28 24.1				78	332	-.1	
22	SSI	IP	17 28 27.8				102	15	.1	
22	RAT	IP	17 28 27.9				106	326	-.5	
22	AMA	EP	17 28 30.6				122	75	-.1	
22	ADK	EP	17 28 55.1				302	70	1.8	
		ES	17 29 26.2						1.8	

22 18 4 59.63 51.00 N 179.18 E DEPTH = 30.6 KM FREE DEPTH SOLUTION
RAT ISLANDS, ALEUTIAN ISLANDS

22	ASB	IP D	18 05 7.9	627.6	.2	4.29	41	7	-.0	
		IS	18 05 13.6						-.4	
22	ASD	IP D	18 05 8.3				46	15	-.2	
22	ACE	IP	18 05 8.6				45	360	.1	
22	ACD	IP	18 05 9.0				48	357	.1	
22	ASC	IP D	18 05 9.5				52	359	.1	
22	ACB	IP	18 05 9.6				52	354	.2	
22	ACA	IP	18 05 9.8				54	356	.1	
22	AND	IP D	18 05 11.1				65	346	-.1	
22	ACF	IP	18 05 11.1				60	348	.5	
22	ANA	IP D	18 05 13.0				79	333	-.2	
22	SSI	IP D	18 05 16.9	106.4	.1	4.12	104	16	.0	
22	RAT	EP	18 05 17.0				107	327	-.3	
22	AMA	EP	18 05 19.8				124	74	-.1	
22	ADK	EP	18 05 44.1				304	69	1.7	
		ES	18 06 15.4						1.8	

22 18 11 24.96 50.69 N 179.19 E DEPTH = 25.0 KM FIXED DEPTH SOLUTION
RAT ISLANDS, ALEUTIAN ISLANDS

22	ASB	IP	18 11 37.8	19.6	.1	3.26	75	3	.1	
		IS	18 11 45.4						-1.7	
22	ASD	IP	18 11 38.2	14.1	.1	3.14	79	8	-.1	
22	ACE	IP D	18 11 38.4				79	359	.0	
22	ACD	IP	18 11 38.9				82	357	.0	
22	ASC	IP	18 11 39.4				86	359	-.0	
22	ACA	EP	18 11 39.6				88	357	-.1	
22	ACB	EP	18 11 39.8				87	355	.3	
22	AND	IP	18 11 41.0				99	350	-.3	
22	SSI	EP	18 11 46.9				137	12	-.1	
22	RAT	EP	18 11 47.1				137	334	.0	

22 18 11 56.62 51.03 N 179.18 E DEPTH = 25.0 KM FIXED DEPTH SOLUTION
RAT ISLANDS, ALEUTIAN ISLANDS

22	ASB	IP D	18 12 4.1	50.1	.1	3.45	38	7	.0	
		ES	18 12 9.3						-.2	
22	ASD	IP D	18 12 4.3	39.6	.1	3.38	42	16	-.4	
22	ACE	IP	18 12 4.7				42	360	.1	
22	ACD	IP	18 12 5.2				45	356	.1	
22	ASC	IP	18 12 5.7				49	359	.1	
22	ACB	IP	18 12 5.7				49	353	.1	
22	ACA	IP	18 12 5.9				51	355	.0	
22	AND	IP	18 12 7.3				62	345	-.2	
22	ACF	IP	18 12 7.4				57	347	.6	
22	ANA	EP	18 12 9.6				76	332	.1	
22	SSI	EP	18 12 13.3				101	16	.1	
22	RAT	EP	18 12 13.4				104	326	-.4	

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DEC 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER MAG (SEC)	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
22	18 35	1.69	50.99 N 179.16 E	DEPTH = 25.0 KM		FIXED DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS									
22	ASB	IP	18 35 9.8			41	9	.2	
		ES	18 35 15.4					-.0	
22	ASD	IP	18 35 10.0	5.0	.1 2.51	46	16	-.3	
22	ASC	EP	18 35 11.3			52	1	.1	
22	AND	EP	18 35 12.9			65	347	-.1	
22	SSI	IP D	18 35 19.0	4.9	.1 2.78	105	17	.1	
22	19 25	26.54	51.01 N 179.14 E	DEPTH = 24.6 KM		FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS									
22	ASB	IP D	19 25 34.3	18.4	.1 3.02	40	11	.0	
		ES	19 25 39.8					-.1	
22	ASD	IP D	19 25 34.6	14.1	.1 2.94	45	18	-.4	
22	ACE	IP	19 25 34.9			44	3	.1	
22	ACD	IP	19 25 35.4			47	360	.2	
22	ASC	IP	19 25 35.8			51	2	.0	
22	ACB	IP	19 25 35.9			51	356	.1	
22	ACA	IP	19 25 36.2			53	358	.1	
22	AND	IP	19 25 37.4			63	348	-.2	
22	SSI	IP	19 25 43.6			103	17	.1	
22	RAT	EP	19 25 43.6			105	328	-.1	
22	19 45	32.25	51.10 N 179.31 E	DEPTH = 36.6 KM		FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS									
22	ASB	EP	19 45 39.8			29	351	-.0	
		ES	19 45 45.3					-.0	
22	ASD	EP	19 45 40.1	3.5	.1 2.32	32	4	-.0	
22	ASC	EP	19 45 41.2			42	346	.0	
22	AND	EP	19 45 43.1			57	334	-.0	
22	19 49	10.32	51.01 N 178.90 E	DEPTH = 0.0 KM		FIXED DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS									
22	ASB	IP	19 49 18.8	4.7	.1 2.42	46	32	.2	
		ES	19 49 24.4					-.3	
22	ASD	IP	19 49 19.2	4.1	.1 2.41	52	36	-.6	
22	ASC	EP	19 49 20.6			53	20	.6	
22	AND	EP	19 49 22.0			61	3	.5	
22	ANA	EP	19 49 22.5			70	346	-.6	
22	20 56	2.59	50.98 N 179.05 E	DEPTH = 0.0 KM		FIXED DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS									
22	ASB	EP	20 56 11.0	8.6	.1 2.68	45	18	.3	
		ES	20 56 16.6					-.0	
22	ASD	IP	20 56 11.4	5.3	.1 2.51	50	24	-.3	
22	ASC	EP	20 56 12.7			54	8	.2	
22	AND	EP	20 56 14.3			65	354	-.2	

DEC 1971	STA	PHASE	TIME (GNT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
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 . 22 21 19 56.31 51.03 N 179.14 E DEPTH = 27.2 KM FREE DEPTH SOLUTION
 RAT ISLANDS, ALEUTIAN ISLANDS

. 22	ASD	IP D	21 20 4.2	28.3	.1	3.24	43	19	-.4	
. 22	ASB	IP D	21 20 4.2	43.3	.1	3.39	38	11	.3	
. 22	IS		21 20 9.4						-.1	
. 22	ACE	IP D	21 20 4.3				41	3	-.1	
. 22	ACD	IP D	21 20 4.9				44	360	.1	
. 22	ASC	IP	21 20 5.4				48	2	.1	
. 22	ACB	IP	21 20 5.5				48	356	.1	
. 22	ACA	IP	21 20 5.7				50	358	.1	
. 22	AND	IP	21 20 7.0				61	348	-.1	
. 22	ANA	EP	21 20 9.0				74	333	-.1	
. 22	SSI	IP	21 20 13.1	33.2	.1	3.60	101	18	.1	

23	ASD	EP	01 45 42.9	2.4	.1	2.19				
23	ASB	EP	01 45 43.8	3.3	.1	2.38				
	ES		01 45 50.4							
23	ASC	EP	01 45 44.9							
23	AND	EP	01 45 47.5							
23	ACA	EP	01 46 45.4							
23	ACB	EP	01 46 45.8							
23	SSI	EP	01 46 47.0							
23	RAT	IP	01 48 57.5	20.8	.1					
23	ANA	IP	01 49 .6							
23	AND	EP	01 49 3.0							
	ES		01 49 20.8							
23	ASD	EP	01 49 8.5	1.7	.1					

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 . 23 1 56 28.38 51.49 N 179.27 E DEPTH = 21.8 KM FREE DEPTH SOLUTION
 RAT ISLANDS, ALEUTIAN ISLANDS

. 23	ACA	EP	01 56 32.4				10	265	-.0	
. 23	ASD	IP	01 56 32.6	2.4	.1	1.88	12	154	.0	
. 23	ACD	EP	01 56 32.6				11	233	.1	
. 23	ASB	EP	01 56 32.7	2.2	.1	1.86	14	185	-.1	
	ES		01 56 35.8						-.2	
. 23	ACB	EP	01 56 32.7				12	257	.1	
. 23	ACC	EP	01 56 33.0				15	268	.1	
. 23	AND	EP	01 56 33.5				23	291	-.2	

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 . 23 3 7 34.30 47.31 N 151.88 E DEPTH = 130.0 KM MB = 4.7 TELESEISMIC SOLUTION
 KURIL ISLANDS

. 23	ADK	EP	03 12 5.5				2312	66		
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 . 23 3 47 21.70 51.00 N 176.59 E DEPTH = 25.0 KM FIXED DEPTH SOLUTION
 RAT ISLANDS, ALEUTIAN ISLANDS

. 23	RAT	EP	03 47 45.6				150	53	-.1	
. 23	ANA	EP	03 47 47.7				160	63	.5	
. 23	AND	EP	03 47 48.9				176	68	-.3	
. 23	ASB	EP	03 47 50.4	3.8	.1	2.90	190	77	-.5	
	ES		03 48 12.2						.1	
. 23	ASD	EP	03 47 52.1	2.1	.1	2.65	197	76	.4	

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DEC 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
23	6 50	36.88	51.56 N 178.81 E	DEPTH = 15.6 KM						FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
23	AND	IP D	06 50 40.2				10	89	.1	
23	ACF	IP	06 50 40.2				14	107	-.3	
23	ANA	IP C	06 50 40.4				12	306	.0	
23	ACB	IP	06 50 41.8				23	119	.2	
23	ACA	IP	06 50 41.9				23	112	.1	
23	ASC	EP	06 50 42.3				27	114	.0	
23	ACD	IP	06 50 42.4				27	123	.1	
23	ACE	IP	06 50 42.8				31	125	-.1	
23	ASB	EP	06 50 43.8				38	126	-.1	
23	ASD	EP	06 50 44.3	2.9	.1	2.21	42	117	-.1	
	ES		06 50 50.1						.1	
23	8 58	56.80	55.78 N 164.06 E	DEPTH = 33.0 KM						TELESEISMIC SOLUTION
			KOMANDORSKY ISLANDS REGION							
23	ADK	EP	09 01 46.9				1336	101		
23	11 26	40.44	52.50 N 178.17 E	DEPTH = 109.3 KM						FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
23	RAT	EP	11 26 58.9				79	172	.0	
23	ANA	IP	11 27 .9				103	161	-.0	
23	AND	IP D	11 27 2.2				117	152	-.1	
23	ASC	EP	11 27 4.2				134	149	.2	
23	ASD	EP	11 27 5.2	2.4	.1	2.68	147	146	-.1	
	ES		11 27 23.5						.0	
23	13 57	40.26	51.17 N 178.57 E	DEPTH = 50.0 KM						FIXED DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
23	AND	IP D	13 57 51.0				51	31	-.2	
23	ANA	IP D	13 57 51.0				51	7	-.2	
23	ACC	IP	13 57 51.1				48	43	.2	
23	ACF	IP	13 57 51.1				49	36	.1	
23	ACB	IP	13 57 51.2				49	48	.3	
23	ACD	IP	13 57 51.3				49	53	.3	
23	ACE	IP	13 57 51.3				49	58	.3	
23	ACA	IP	13 57 51.4				52	47	.2	
23	ASC	IP C	13 57 51.6				53	51	.2	
23	ASB	IP	13 57 51.8	29.6	.1	3.40	52	65	.5	
	ES		13 57 58.5						-.8	
23	ASD	IP	13 57 52.5	31.2	.1	3.45	59	65	.4	
23	RAT	IP D	13 57 53.2	218.5	.1	4.35	72	347	-.4	
23	SSI	IP C	13 57 57.6	119.7	.1	4.20	107	41	-.2	
23	AMA	EP	13 58 3.1				162	84	-1.4	
23	14 28	31.73	51.41 N 178.19 E	DEPTH = 79.2 KM						FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
23	RAT	IP C	14 28 44.5	44.7	.1	3.67	44	13	-.2	
23	ANA	IP	14 28 44.6				41	54	.2	
23	AND	IP	14 28 45.6				56	72	.1	
23	ASB	EP	14 28 47.0	3.5	.1	2.64	74	94	-.1	
	ES		14 28 58.2						-.1	

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DEC 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
23	15 49	49.18	51.21 N	179.91 W	DEPTH =	41.1 KM				FREE DEPTH SOLUTION
			DELAROF ISLANDS, ALEUTIAN ISLANDS							
23	ASD	IP	15 50	.2	9.0	.1	2.87	56	292	-.1
23	AMA	IP	15 50	.2	11.9	.1	2.99	57	80	-.1
23	ASB	EP	15 50	1.5	8.9	.1	2.89	61	287	.6
		ES	15 50	8.9						-.6
23	ASC	EP	15 50	2.2				70	294	.0
23	SSI	IP D	15 50	4.0	48.8	.1	3.72	84	336	.1
23	AND	EP	15 50	4.1				88	297	-.3
23	RAT	EP	15 50	10.7				139	299	.1
23	17 51	22.39	50.75 N	178.95 E	DEPTH =	25.0 KM				FIXED DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
23	ASB	IP	17 51	34.8				71	17	.1
		IS	17 51	43.6						.0
23	ASD	IP	17 51	35.2	16.9	.1	3.20	77	21	-.2
23	ASC	IP	17 51	36.1				81	10	.0
23	AND	IP	17 51	37.2				91	0	-.3
23	ANA	IP	17 51	39.1				100	348	.2
23	SSI	IP	17 51	44.4	26.6	.1	3.61	135	19	.2
23	19 18	50.48	51.38 N	177.72 E	DEPTH =	50.0 KM				FIXED DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
23	RAT	IP	19 19	2.3				63	42	-.5
23	ANA	IP	19 19	3.7				71	67	.0
23	AND	IP	19 19	5.6				88	76	-.1
23	ACB	IP	19 19	6.8				96	84	.2
23	ACA	IP	19 19	6.9				98	83	.0
23	ACD	EP	19 19	7.0				99	86	.0
23	ASC	IP	19 19	7.3				101	84	.1
23	ACE	EP	19 19	7.3				101	88	.0
23	ASB	IP	19 19	7.6	16.0	.1	3.33	106	90	-.3
		ES	19 19	20.3						-.3
23	ASD	IP	19 19	8.6	15.5	.1	3.33	113	89	-.1
23	SSI	EP	19 19	12.9				141	65	.7
23	ASD	IP	21 32	13.0	34.0	.1	3.41			
23	ASB	IP	21 32	14.0	54.7	.1	3.65			
		ES	21 32	21.6						
24	3 52	14.66	51.29 N	179.78 E	DEPTH =	28.8 KM				FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
24	ASD	IP D	03 52	21.8	102.1	.1	3.74	33	290	.0
24	ASB	IP	03 52	22.4	50.1	.1	3.46	38	282	-.0
		IS	03 52	27.6						-.5
24	ACE	IP	03 52	23.2				44	287	-.0
24	ACD	IP	03 52	23.8				48	289	.1
24	ASC	IP	03 52	24.0				47	294	.4
24	ACA	IP	03 52	24.3				51	295	.2
24	ACB	IP	03 52	24.5				52	292	.2
24	AND	IP	03 52	26.2				65	298	.0
24	AMA	IP	03 52	27.8	21.6	.1	3.32	77	90	-.1
24	RAT	IP	03 52	33.1				116	300	-.5

DEC 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
24	4 20	12.73	50.96 N 179.21 E	DEPTH = 25.0 KM			FIXED DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
24	ASD	IP	04 20 21.4	11.9	.1	2.90	48	11	-.3	
24	ASC	IP	04 20 22.8				56	357	.1	
24	AND	IP	04 20 24.7				69	345	.1	
24	ANA	IP	04 20 26.6				83	333	-.1	
24	SSI	IP	04 20 30.3				107	14	.1	
24	ADK	EP	05 01 15.1							
		ES	05 01 30.2							
24	6 56	38.38	51.43 N 178.78 E	DEPTH = 55.6 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
24	AND	IP	06 56 47.1				19	39	-.2	
24	ACC	IP	06 56 47.2				19	71	-.1	
24	ACB	IP	06 56 47.4				22	80	.0	
24	ACA	IP	06 56 47.5				24	76	-.0	
24	ANA	IP	06 56 47.6				24	339	.1	
24	ACD	IP	06 56 47.6				25	90	.0	
24	ASC	IP	06 56 47.8				27	82	.1	
24	ASB	IP	06 56 48.0	13.0	.1	3.00	33	103	-.1	
		IS	06 56 55.3						.0	
24	ASD	IP	06 56 48.7				39	96	.1	
24	ADK	EP	09 53 33.1							
		ES	09 53 49.0							
24	ADK	EP	12 26 38.7							
		ES	12 26 53.0							
24	17 24	15.21	51.13 N 178.96 E	DEPTH = 0.0 KM			FIXED DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
24	ASD	EP	17 24 22.3	3.9	.1	2.29	40	42	-.1	
		IS	17 24 27.6						-.1	
24	ASC	IP	17 24 22.8				40	20	.3	
24	AND	IP	17 24 23.9				49	359	-.2	
24	18 35	20.62	51.79 N 179.64 W	DEPTH = 73.8 KM			FREE DEPTH SOLUTION			
DELAROF ISLANDS, ALEUTIAN ISLANDS										
24	ASD	IP	18 35 36.4	10.6	.1	3.13	83	238	-.1	
24	ASB	IP	18 35 37.2	21.6	.1	3.45	90	239	-.0	
24	ASC	IP	18 35 37.3				90	247	.1	
		ES	18 35 49.3						-.0	
24	ACA	IP	18 35 37.5				92	249	.1	
24	ACD	IP	18 35 37.6				94	245	-.0	
24	ACB	IP	18 35 37.7				95	248	-.0	
24	AND	IP	18 35 38.2				100	256	-.1	
24	20 31	33.06	51.62 N 179.57 E	DEPTH = 25.0 KM			FIXED DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
24	ASD	EP	20 31 39.3	20.9	.1	3.01	30	212	-.2	
24	ASC	EP	20 31 40.2				33	238	.3	
24	ASB	EP	20 31 40.5	15.6	.1	2.93	37	218	.1	
		ES	20 31 45.6						-.1	
24	AND	EP	20 31 41.1				43	262	-.2	

DEC 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
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24	22 26	5.31	51.45 N 179.45 W	DEPTH = 65.8 KM			FREE DEPTH SOLUTION			
DELAROF ISLANDS, ALEUTIAN ISLANDS										
24	ASD	IP	22 26 20.8	9.5	.1	3.06	84	266	.1	
24	ASB	IP	22 26 21.5	27.7	.1	3.55	91	264	.0	
		ES	22 26 33.3						-.0	
24	ACE	IP	22 26 21.9				96	267	-.1	
24	ASC	EP	22 26 22.1				96	272	.0	
24	ACA	EP	22 26 22.5				99	273	.1	
24	ACB	IP	22 26 22.7				101	272	.0	
24	AND	EP	22 26 23.6				111	277	-.2	
24	ANA	EP	22 26 26.4				132	279	.1	

24	ADK	E(P)	22 32 3.2							
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24	22 59	9.91	51.49 N 177.67 E	DEPTH = 50.0 KM MB = 3.5			FIXED DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
24	ANA	IP C	22 59 23.2				70	77	.2	
24	ACF	IP	22 59 25.0				92	87	-.6	
24	AND	IP	22 59 25.0				89	84	-.3	
24	ACC	IP	22 59 26.1				95	90	.1	
24	ACB	IP D	22 59 26.5				99	91	.1	
24	ACA	IP D	22 59 26.7				100	90	.1	
24	ACD	IP	22 59 26.9				102	93	.1	
24	ASC	IP D	22 59 27.1				104	91	.1	
24	ACE	IP	22 59 27.2				105	95	.1	
24	ASB	IP C	22 59 27.8				110	97	-.0	
24	ASD	IP C	22 59 28.6				116	95	.0	WHITEOUT
24	ADK	EP	23 00 2.7				392	81	.2	
		ES	23 00 41.0						.0	

25	4 52 59.33		51.54 N 179.51 E	DEPTH = 81.0 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
25	ASD	EP	04 53 11.1	5.5	.1	2.72	21	216	-.1	
25	ASB	EP	04 53 11.4	6.9	.1	2.83	27	223	-.1	
25	ACE	IP	04 53 11.5				28	237	-.0	
25	ASC	EP	04 53 11.6				26	250	.2	
25	ACA	EP	04 53 11.7				28	256	.2	
25	ACB	IP	04 53 11.7				31	254	.0	
25	ACD	IP	04 53 11.7				29	245	.1	
25	AND	EP	04 53 11.9				39	274	-.2	
		ES	04 53 21.4						-.0	

25	ADK	EP	06 20 31.6							
		ES	06 20 57.1							

25	6 36 47.10		53.90 N 163.60 W	DEPTH = 33.0 KM MB = 4.3			TELESEISMIC SOLUTION			
UNIMAK ISLAND REGION										
25	NIK	IP	06 37 36.0				364	256		
25	ADK	EP	06 38 44.4				908	261		
		ES	06 38 46.0							

25	ADK	EP	07 40 3.2							
		ES	07 40 10.8							

25	ASD	EP	08 08 52.4	5.5	.1	2.84				
25	ASC	EP	08 08 54.8							
		ES	08 09 8.7							

DEC 1971	STA	PHASE	TIME (GHT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
25	AND	EP	08 08 57.4							
25	ADK	EP	12 59 39.7							
		ES	13 00 1.6							
25	ADK	EP	14 03 40.5							
		ES	14 03 57.2							
25	ASD	EP	14 04 2.8	10.8	.2					
		ES	14 04 36.3							
25	ASC	EP	14 04 4.9							
25	AND	E(P)	14 04 7.2							
25	ACE	IP	17 20 42.2							
25	ASB	EP	17 20 42.2	19.4	.1					
25	ACB	IP	17 20 42.4							
25	ACC	IP	17 20 42.4							
25	ACD	IP	17 20 42.4							
25	ACA	IP D	17 20 42.8							
25	ACF	IP	17 20 42.8							
25	AND	IP D	17 20 42.8							
		ES	17 21 1.4							
25	ANA	EP	17 20 42.8							
25	ASD	IP	17 20 42.9	23.7	.1					
25	ASC	EP	17 20 43.0							
25	ADK	EP	17 21 16.4							
		ES	17 21 59.4							
25	ADK	EP	17 22 27.9							
		ES	17 22 51.1							
25	ADK	EP	20 50 3.7							
		ES	20 50 22.1							
25	ASD	EP	20 50 21.5	8.1	.2					
25	ASC	EP	20 50 22.5							
		ES	20 50 54.8							
25	AND	EP	20 50 23.4							

25	22 4 54.28	51.44 N 178.71 E	DEPTH = 52.2 KM	FREE DEPTH SOLUTION
		RAT ISLANDS, ALEUTIAN ISLANDS		
25	ACF	EP	22 05 2.8	22 65 -.1
25	AND	IP D	22 05 2.8	22 52 -.1
		I(S)	22 05 9.2	-.0
25	ANA	IP	22 05 2.9	21 352 .0
25	ACC	IP D	22 05 3.1	24 78 .1
25	ACB	IP D	22 05 3.3	27 85 .1
25	ACA	IP D	22 05 3.5	29 81 .1
25	ACD	IP D	22 05 3.5	30 93 .0
25	ACE	IP D	22 05 3.7	33 98 .0
25	ASC	IP D	22 05 3.7	32 86 .1
25	ASB	IP	22 05 4.0	39 103 -.2
25	ASD	IP C	22 05 4.7	45 97 -.0

26 ADK EP 00 01 5.6
ES 00 01 12.6

26	0 28 44.93	51.96 N 178.73 E	DEPTH = 94.8 KM	FREE DEPTH SOLUTION
		RAT ISLANDS, ALEUTIAN ISLANDS		
26	ANA	EPG	00 28 59.0	37 187 -.1
26	ACF	EPGD	00 28 59.7	51 159 -.3
26	AND	IPGD	00 28 59.7	47 160 .0
		IS	00 29 10.2	-.2
26	ACC	E(P)	00 29 .3	57 157 -.0
		ES	00 29 12.0	.4
26	ACB	EPG	00 29 .7	60 155 .1

DEC 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
26	ASC	EPG	00 29 .8				63	151	.1	
26	ACA	EPGD	00 29 .9				59	153	.4	
26	ACO	EPG	00 29 1.0				65	154	.1	
26	ACE	E(P)	00 29 1.1				69	153	-.1	
26	ASD	EPG	00 29 1.7	3.1	.1	2.62	76	146	-.1	
		ES	00 29 13.8						-.3	
26	ASB	E(P)	00 29 1.7	3.7	.1	2.70	75	151	-.1	
.....										
26	ADK	EP	01 24 24.6							
		ES	01 24 25.8							
26	ADK	EP	03 35 43.8							
		ES	03 35 56.4							
26	ADK	EP	04 10 34.4							
		ES	04 10 55.6							
.....										
26	6 50 50.30	52.73 N 174.15 W	DEPTH = 157.0 KM	MB = 4.5	TELESEISMIC SOLUTION					
	ANDREANOF ISLANDS, ALEUTIANS ISLANDS									
26	ADK	IP	06 51 23.1				196	242	-.4	
		ES	06 51 46.7						-1.1	
26	NIK	EP	06 51 42.6				357	84	1.4	
26	ASD	EP	06 51 53.2				469	254	-1.2	WHITE OUT
		E	06 52 18.6							
26	ASB	IP	06 51 54.0				477	254	-1.3	WHITE OUT
26	ASC	EP	06 51 54.5				478	256	-.9	
26	AND	IP	06 51 55.7				488	257	-1.0	
26	ANA	EP	06 51 58.0				505	259	-.7	
.....										
26	ASD	E(P)	06 52 41.4							WHITE OUT
26	ASB	E(P)	06 52 41.8							WHITE OUT
26	ASC	E(P)	06 52 41.9							NO S VISIBLE
26	AND	E(P)	06 52 44.5							
26	ADK	EP	08 00 6.2							
		ES	08 00 26.5							
.....										
26	10 2 .45	51.61 N 179.80 W	DEPTH = 72.9 KM	FREE DEPTH SOLUTION						
	DELAROF ISLANDS, ALEUTIAN ISLANDS									
26	ASD	EPG	10 02 14.4	3.8	.1	2.62	64	248	-.0	
		ES	10 02 24.7						.1	
26	ASB	EPG	10 02 15.1	2.8	.1	2.51	72	248	-.0	
		ES	10 02 25.7						-.1	
26	ASC	EPG	10 02 15.4				74	258	.1	
26	AND	EPG	10 02 16.4				87	267	-.2	
26	ANA	EPG	10 02 18.9				107	272	.1	
.....										
26	ADK	EP	10 58 7.5							
		ES	10 58 17.5							
.....										
26	12 21 16.55	51.96 N 179.76 W	DEPTH = 137.0 KM	FREE DEPTH SOLUTION						
	DELAROF ISLANDS, ALEUTIAN ISLANDS									
26	ASD	EP	12 21 38.5	2.8	.1	2.70	88	225	.1	
		ES	12 21 54.5						.1	
26	ASC	EP	12 21 38.7				92	234	-.0	
		ES	12 21 55.0						.1	
26	ASB	EP	12 21 39.0	3.1	.1	2.75	95	226	.0	
		ES	12 21 55.2						-.1	
26	AND	EP	12 21 39.1				99	244	-.1	
26	ANA	EP	12 21 40.6				115	252	.1	
.....										

2

DEC 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
26	13 19	2.00	50.57 N 175.14 W	DEPTH = 33.0 KM MB = 5.2			TELESEISMIC SOLUTION			
ANDREANOF ISLANDS, ALEJTIAN ISLANDS										
26	ADK	IP	13 19 27.5				181	324	-1.9	FELT II. 5.0ML.
		ES	13 19 46.5						-2.9	
26	ASD	EP	13 19 55.2				397	285	-.8	WHITE OUT
26	ASB	EP	13 19 56.0				403	285	-.8	WHITE OUT
26	ASC	EP	13 19 57.0				411	286	-.7	REGIONAL
26	AND	EP	13 19 59.4				427	287	-.4	
26	ANA	EP	13 20 2.1				449	287	-.3	
		E(S)	13 20 47.5						1.0	
26	NIK	EP	13 20 8.0				509	56	-1.8	
26	SHY	EP	13 20 44.0				780	292	.7	
26	GMA	EP	13 22 51.1				1843	21	-3.4	
.....										
26	ADK	IP	13 26 12.1							
		ES	13 26 30.9							
26	ASD	EP	13 26 40.0	4.9	.1					
		ES	13 27 20.9							
26	ASB	EP	13 26 40.8							
26	ASC	EP	13 26 42.0							
26	AND	EP	13 26 44.4							
.....										
26	15 6	53.26	50.78 N 179.88 E	DEPTH = 0.0 KM			FIXED DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
26	ASD	EPG	15 07 7.3	1.3	.1	2.06	78	331	-.1	
		ES	15 07 18.0						.2	
26	ASC	EPG	15 07 9.6				91	327	.1	
		ES	15 07 21.1						-.2	
26	AND	EPG	15 07 12.2				109	324	.0	
.....										
26	15 50	57.10	6.28 S 154.84 E	DEPTH = 56.0 KM MB = 5.6			TELESEISMIC SOLUTION			
SOLOMON ISLANDS										
26	ASB	EP	16 01 8.5	34.2	.4		6797	17		
26	ASD	EP	16 01 8.8	35.3	.5		6803	17		TELE
26	ASC	EP	16 01 9.1				6805	17		
26	AND	EP	16 01 9.3				6808	17		
26	ANA	EP	16 01 9.3				6805	17		
26	ADK	IP	16 01 19.8	250.0	.8		6989	19		
.....										
26	16 21	11.17	51.67 N 178.35 E	DEPTH = 89.0 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
26	ANA	EPG	16 21 24.1				22	102	.0	
		E(S)	16 21 33.5						.0	
26	AND	IPG	16 21 25.1				43	106	.0	
		I(S)	16 21 34.9						-.3	
26	ASC	EPG	16 21 26.4				61	112	.1	
		ES	16 21 37.6						.3	
26	ASB	EPG	16 21 27.0	2.4	.1	2.49	71	118	-.1	
26	ASD	EPG	16 21 27.4	1.1	.1	2.17	75	114	-.1	
.....										
26	17 50	48.30	51.51 N 179.89 E	DEPTH = 50.0 KM			FIXED DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
26	ASD	E(P)	17 50 58.2	4.9	.1	2.58	41	251	.0	NO S VISIBLE
26	ASB	E(P)	17 50 58.9	6.0	.1	2.69	48	250	-.0	
26	ASC	E(P)	17 50 59.3				51	264	.1	

DEC 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
26	AND	E(P)	17 51 .7				65	275	-.1	
26	ANA	E(P)	17 51 3.4				86	279	.1	
.....										
26	20 0	1.93	51.61 N 179.57 W	DEPTH = 125.0 KM MB = 3.5			FIXED DEPTH SOLUTION			
DEAROF ISLANDS, ALEUTIAN ISLANDS										
26	ASB	IP	20 00 22.0				87	252	-.5	WHITE OUT
26	ASD	IP	20 00 22.6				80	253	.6	WHITE OUT
26	ASC	IP	20 00 22.9				89	260	.2	LARGE
26	ACF	IP C	20 00 23.7				100	265	.1	DILATATIONAL
		E(S)	20 00 38.5						-.9	
26	AND	IP	20 00 23.7				103	268	-.1	FMS ON ACA-B-C.
26	ANA	IP	20 00 25.8				123	271	.3	
26	ADK	IP	20 00 33.4				201	80	-.1	
.....										
26	20 59	3.10	51.45 N 178.72 E	DEPTH = 0.0 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
26	ACF	IPGD	20 59 6.7				21	65	-.2	
		ES	20 59 9.5						-.2	
26	AND	IPGC	20 59 6.7				21	52	-.2	SMALL AND LOCAL
		I(S)	20 59 9.6						.0	
26	ANA	IPGD	20 59 6.9				20	349	.1	
26	ACA	EPG	20 59 8.3				28	82	.1	
		ES	20 59 12.5						.6	
26	ASC	EPG	20 59 9.0				31	87	.3	
26	ASB	EPG	20 59 10.1	1.4	.1	1.82	38	104	.1	
26	ASD	EPG	20 59 10.7	2.0	.1	2.02	44	98	-.3	
		ES	20 59 16.5						-.3	
.....										
26	ADK	IP	23 20 48.0							
		ES	23 21 5.2							
27	ADK	IP	00 20 42.1							
		ES	00 20 50.2							
27	ADK	EP	01 49 4.7							
		ES	01 49 13.0							
27	ASD	EP	02 13 59.9	2.4	.1					
27	ASC	EP	02 14 2.4							
27	AND	EP	02 14 4.6							
		ES	02 14 13.0							
.....										
27	2 31	50.89	50.90 N 179.47 E	DEPTH = 25.0 KM			FIXED DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
27	ASB	EP	02 32 .4	13.7	.2	2.69	53	343	-.1	
27	ASD	IP	02 32 .5	10.1	.2	2.56	55	351	-.2	
		E(S)	02 32 7.9						-.0	
27	ASC	EP	02 32 3.1				66	341	.8	
27	AND	EP	02 32 4.3				82	334	-.4	
.....										
27	ADK	EP	04 27 22.8							
		ES	04 27 31.7							

DEC 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
..... 27 4 40 6.14 52.32 N 179.55 E DEPTH = 173.9 KM FREE DEPTH SOLUTION RAT ISLANDS, ALEUTIAN ISLANDS										
27	AND	EP	04 40 32.2				94	206	-.1	
27	ACA	EP	04 40 32.5				98	198	-.0	
27	ACC	EP	04 40 32.5				100	201	-.1	
27	ASC	IP	04 40 32.6				99	196	.0	
27	ANA	IP C	04 40 32.6				99	219	.1	
27	ACB	EP	04 40 32.7				101	199	.0	
27	ACD	IP	04 40 32.9				104	196	.0	
27	ACE	IP	04 40 33.0				106	194	-.0	
27	ASD	IP	04 40 33.0	17.1	.1	3.57	105	188	.1	
		ES	04 40 52.5						-.0	
27	ASB	IP	04 40 33.2	8.7	.1	3.28	109	191	-.0	
..... 27 5 21 2.08 51.37 N 179.41 E DEPTH = 49.2 KM FREE DEPTH SOLUTION RAT ISLANDS, ALEUTIAN ISLANDS										
27	ASD	IP	05 21 9.7	25.3	.1	3.18	5	298	-.0	
		I(S)	05 21 15.3						-.0	
27	ASB	EP	05 21 9.8	16.9	.1	3.02	11	265	-.1	
27	ACE	IP	05 21 10.1				17	282	-.0	
27	ACD	IP	05 21 10.4				20	289	.1	
27	ASC	IP C	05 21 10.4				20	302	.1	
27	ACA	IP	05 21 10.6				23	302	.1	
27	ACC	IP	05 21 10.6				28	297	-.2	
27	ACB	IP	05 21 10.7				24	295	.1	
27	AND	EP	05 21 11.5				38	304	-.2	
27	ANA	EP	05 21 13.9				59	299	.1	
..... 27 ADK EP 06 59 22.5 ES 06 59 30.4										
..... 27 7 19 12.63 50.34 N 177.31 E DEPTH = 25.0 KM FIXED DEPTH SOLUTION RAT ISLANDS, ALEUTIAN ISLANDS										
27	ANA	EP	07 19 39.6				171	33	.1	
27	ACB	EP	07 19 40.1				176	44	-.0	
27	AND	EP	07 19 40.1				178	40	-.2	
27	ACD	IP	07 19 40.4				176	46	.3	
27	ACA	EP	07 19 40.5				179	44	.0	
27	ASC	EP	07 19 40.6				180	46	.0	
		ES	07 20 1.0						.0	
27	ASD	EP	07 19 41.0	16.0	.2	3.21	184	50	-.1	
..... 27 ADK IP 08 40 0.0 FELT I. 4.5ML. ES 08 40 11.5 27 ASD IP 08 40 13.5 57.4 .2 27 ASB EP 08 40 14.2 27 ACE EP 08 40 15.0 27 ASC EP 08 40 15.3 27 ACA IP 08 40 15.7 HIGH AMP.S NOT 27 ACD IP 08 40 15.9 CLEAR. 27 ACP IP 08 40 16.0 27 AND EP 08 40 17.1 27 ACF EP 08 40 17.7 E(S) 08 40 44.9 27 ANA EP 08 40 19.9 27 ADK EP 08 47 22.1 ES 08 41 40.2										

DEC 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
27	11	0	56.80	19.86 S	175.92 W	DEPTH = 222.0 KM	MB = 5.4			TELESEISMIC SOLUTION
				TONGA ISLANDS						
27	ADK	EP	11 11 53.6	166.0	.9		7943	359		
27	ADK	EP	13 40 8.3							
		ES	13 40 17.5							
27	ASD	EP	14 20 59.2	8.7	.2					
27	ASB	EP	14 21 .9							
27	ASC	EP	14 21 1.8							
		ES	14 21 26.4							
27	AND	EP	14 21 3.4							
27	15	26	39.99	51.33 N	178.47 E	DEPTH = 53.2 KM				FREE DEPTH SOLUTION
				RAT ISLANDS, ALEUTIAN ISLANDS						
27	ANA	IP D	15 26 49.7				35	22	.0	
27	AND	IP	15 26 50.3				42	53	.0	
27	ASD	EP	15 26 52.2	2.0	.1	2.27	61	84	.0	
		ES	15 27 1.1						.0	
27	17	9	54.35	51.73 N	178.43 E	DEPTH = 115.9 KM				FREE DEPTH SOLUTION
				RAT ISLANDS, ALEUTIAN ISLANDS						
27	AND	IP	17 10 11.0				41	117	-.1	
		ES	17 10 23.4						-.0	
27	ASC	EP	17 10 12.5				59	120	.4	
27	ASB	EP	17 10 12.8	17.4	.2	3.12	70	126	-.0	
27	ASD	EP	17 10 12.9	6.7	.1	3.31	74	121	-.2	
27	ANA	EP	17 10 48.8							
27	AND	EP	17 10 49.5							
		ES	17 11 5.2							
27	ASD	EP	17 10 51.9	2.0	.1					
27	17	13	21.91	52.05 N	178.98 E	DEPTH = 70.5 KM				FREE DEPTH SOLUTION
				RAT ISLANDS, ALEUTIAN ISLANDS						
27	ANA	EP	17 13 34.6				52	205	-.0	
27	AND	EP	17 13 34.8				55	182	-.0	
		IS	17 13 44.2						-.0	
27	ASD	EP	17 13 37.0	3.6	.1	2.64	78	161	.0	
27	ASD	EP	21 20 34.0	8.0	.1					NO S VISIBLE
27	ASB	EP	21 20 34.8	8.7	.1					
27	ASC	EP	21 20 35.2							
27	AND	EP	21 20 36.5							
27	ADK	EP	22 11 40.2							
		ES	22 11 48.7							
27	ADK	EP	23 45 17.4							
28	9	4	26.26	51.57 N	179.43 W	DEPTH = 50.0 KM				FIXED DEPTH SOLUTION
				DELRORF ISLANDS, ALEUTIAN ISLANDS						
28	ASD	E(P)	09 04 39.9	84.1	.2	3.69	88	258	-1.5	
		I(P)	09 04 41.9							
28	ASB	IP	09 04 42.6				95	257	.3	

DEC 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
28	ACE	IP	09 04 42.9				99	260	.1	
28	ASC	IP C	09 04 43.0				98	264	.3	
28	ACA	IP	09 04 43.1				101	265	.0	
28	ACB	IP	09 04 43.3				103	264	-.0	
28	ACD	IP	09 04 43.4				101	262	.4	
28	ACC	IP	09 04 43.6				106	266	-.1	
28	ACF	IP	09 04 43.9				109	268	-.2	
		E(S)	09 04 58.9						1.8	
28	AND	IP	09 04 43.9				112	270	-.5	
28	ANA	IP C	09 04 46.3				132	274	-.6	
28	ADK	EP	09 04 53.8				192	78	-.5	
		ES	09 05 15.8						1.1	

28 9 30 30.06 51.43 N 178.78 E DEPTH = 49.0 KM FREE DEPTH SOLUTION
RAT ISLANDS, ALEUTIAN ISLANDS

28	AND	IP	09 30 38.1				19	40	-.1	
28	ASC	EP	09 30 38.9				27	83	.2	
28	ASB	EP	09 30 39.2	3.2	.1	2.36	34	104	-.0	
28	ASD	EP	09 30 39.7	1.7	.1	2.10	39	97	-.1	
		ES	09 30 46.8						-.0	

28	ANA	EP	10 16 45.8							
28	AND	IP	10 16 46.4							
		ES	10 16 57.6							
28	ASC	EP	10 16 48.1							
28	ASD	EP	10 16 48.9	4.6	.2					

POOR AMP

28	ADK	IP	12 24 52.2							
		ES	12 25 1.5							

28 12 42 2.88 51.51 N 179.14 E DEPTH = 34.0 KM FREE DEPTH SOLUTION
RAT ISLANDS, ALEUTIAN ISLANDS

28	ACA	IP	12 42 8.4				3	202	-.0	
28	ACB	IP	12 42 8.5				6	212	.0	
28	ACD	IP	12 42 8.6				9	180	.0	
28	ASC	IP	12 42 8.6				5	158	.1	
28	AND	IP	12 42 8.8				14	296	-.1	
28	ASB	IP	12 42 9.1	6.8	.1	2.52	18	155	-.0	
28	ASD	IP	12 42 9.2	4.6	.1	2.35	19	132	-.0	
		ES	12 42 13.8						-.0	

28	ACC	IP D	13 03 37.7							
28	ACE	IP C	13 03 37.7							
28	ANA	IP D	13 03 37.7							
28	ACB	IP D	13 03 37.8							
28	ACD	IP	13 03 37.8							
28	ACF	IP	13 03 38.0							
28	ASB	IP D	13 03 38.0	53.7	.2					
28	AND	IP C	13 03 38.0							
28	ACA	IP D	13 03 38.2							
28	ASC	IP	13 03 38.4							
28	ASD	IP	13 03 38.8							
28	ADK	EP	13 04 15.2							
		ES	13 04 54.0							

28 13 23 55.49 51.54 N 179.50 E DEPTH = 65.6 KM FREE DEPTH SOLUTION
RAT ISLANDS, ALEUTIAN ISLANDS

28	ASD	IP D	13 24 5.6	16.0	.1	3.11	20	214	.0	
		ES	13 24 12.9						.0	
28	ACA	IP	13 24 5.8				27	257	-.1	

DEC 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
. 28	ASB	IP	13 24 5.8	16.4	.1	3.14	27	222	-.1	
. 28	ACE	IP	13 24 5.9				28	236	-.0	
. 28	ASC	IP	13 24 5.9				25	250	.1	
. 28	ACD	IP	13 24 6.0				28	244	.0	
. 28	ACB	IP	13 24 6.1				30	254	.0	
. 28	ACC	IP	13 24 6.3				32	260	.1	
. 28	AND	EP	13 24 6.5				38	274	-.1	
. 28	ANA	EP	13 24 8.4				59	280	.0	
.....										
28	ADK	IP	15 15 53.5							
		ES	15 16 2.2							
28	ASD	IP	15 16 10.3	39.8	.2					
28	ASB	IP	15 16 11.5	56.5	.2					
28	ASC	IP	15 16 12.3							
28	ACE	IP	15 16 12.4							
28	ACA	IP D	15 16 12.6							
28	ACD	IP	15 16 12.6							
28	ACB	IP	15 16 12.8							
28	ACC	IP	15 16 13.2							
28	ACF	EP	15 16 13.8							
28	AND	EP	15 16 14.0							
		ES	15 16 43.7							
28	ANA	EP	15 16 17.2							
28	ADK	EP	15 19 40.2							
		ES	15 19 50.4							
.....										
. 28	18 0 11.64	51.59 N 179.88 E DEPTH = 74.4 KM						FREE DEPTH SOLUTION		
		RAT ISLANDS, ALEUTIAN ISLANDS								
. 28	ASD	EP	18 00 24.0	37.1	.1	3.57	43	240	.0	
		ES	18 00 33.0						.0	
. 28	ASB	EP	18 00 24.5				50	240	-.0	
. 28	ACA	IP	18 00 24.7				54	258	-.1	
. 28	ACE	IP	18 00 24.7				53	247	-.0	
. 28	ASC	IP	18 00 24.8				51	255	.2	
. 28	ACD	IP	18 00 24.9				54	251	.1	
. 28	ACB	IP	18 00 25.0				56	256	-.0	
. 28	ACC	EP	18 00 25.2				59	259	-.0	
. 28	AND	IP	18 00 25.5				64	268	-.2	
. 28	ACF	EP	18 00 25.6				61	264	.1	
. 28	ANA	IP	18 00 27.7				84	273	.1	
.....										
. 28	19 35 55.50	55.78 N 163.88 E DEPTH = 33.0 KM MB = 5.0						TELESEISMIC SOLUTION		
		OFF EAST COAST OF KAMCHATKA								
.....										
. 28	22 42 46.90	4.38 N 125.85 E DEPTH = 124.0 KM MB = 5.3						TELESEISMIC SOLUTION		
		TALAUD ISLANDS								
. 28	ADK	EP	22 53 27.0	100.0	.8		7442	35		
.....										
. 28	23 36 39.32	50.79 N 179.38 W DEPTH = 25.0 KM						FIXED DEPTH SOLUTION		
		DELAROF ISLANDS, ALEUTIAN ISLANDS								
. 28	ASD	EP	23 36 57.5	8.0	.1	3.02	112	308	-.1	
. 28	ASB	EP	23 36 58.1	7.3	.1	2.99	115	304	-.0	
. 28	ACE	EP	23 36 59.1				122	305	-.0	
. 28	ASC	EP	23 36 59.7				126	307	-.1	
		ES	23 37 14.7						.0	
. 28	ACA	EP	23 37 1.0				130	307	.6	

DEC 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
. 28	AND	EP	23 37 2.2				145	307	-.4	
29	ADK	EP	00 00 56.2							
		ES	00 01 16.5							
. 29	2 9	7.34	50.13 N 178.61 E	DEPTH = 25.0 KM						FIXED DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
. 29	ASB	IP	02 09 30.6	20.9	.1	3.53	144	18	.2	
		IS	02 09 47.2						-.1	
. 29	ASD	IP	02 09 31.1	7.3	.1	3.09	149	20	-.2	
. 29	ASC	EP	02 09 31.8				153	14	-.0	
. 29	AND	EP	02 09 32.9				161	8	-.0	
. 29	9 41	51.70	55.23 N 164.53 E	DEPTH = 35.0 KM						TELESEISMIC SOLUTION
			KOMANDORSKY ISLANDS REGION							
29	ADK	EP	11 58 22.5							
		ES	11 58 30.2							
29	ADK	IP	15 03 58.9							
		ES	15 04 7.6							
29	ADK	IP	17 41 3.3							
		ES	17 41 11.1							
29	ADK	IP	21 21 32.7							
		ES	21 21 43.1							
29	ADK	EP	23 59 19.6							
		ES	23 59 30.5							
30	ADK	EP	00 24 53.2							
		ES	00 25 2.5							
30	ADK	EP	01 57 8.7							
		ES	01 58 15.3							
. 30	6 20	57.70	49.76 N 78.15 E	DEPTH = 0.0 KM						TELESEISMIC SOLUTION
			EASTERN KAZAKH SSR							
. 30	ADK	EP	06 31 11.4	107.1	.6		6729	43		
. 30	13 18	31.57	52.09 N 178.87 E	DEPTH = 158.7 KM						FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
. 30	RAT	IP	13 18 53.6				49	229	-.1	
. 30	SSI	IP	13 18 53.9				54	114	.0	
. 30	AND	IP D	13 18 54.0				59	174	-.1	
. 30	ANA	IP	13 18 54.0				54	195	.1	
. 30	ASC	IP	13 18 54.9				73	163	.1	
. 30	ASD	IP D	13 18 55.3	14.1	.1	3.44	85	157	-.2	
. 30	ASB	IP	13 18 55.6	13.7	.1	3.43	85	162	.1	
		IS	13 19 13.0						-.0	

DEC 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
30	14 37	58.36	51.71 N 179.32 E	DEPTH = 85.1 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
30	AND	EP	14 38 11.0				30	238	-.1	
30	SSI	IP	14 38 11.0	4.4	.1	2.66	27	42	.0	
30	ASD	IP	14 38 11.3	5.9	.1	2.80	36	178	-.1	
		IS	14 38 20.9						-.0	
30	ASC	IP	14 38 11.3				30	202	.2	
30	ANA	IP	14 38 12.1				47	259	.0	
.....										
30	ADK	EP	15 27 29.9							
		ES	15 27 36.9							
.....										
30	15 39	37.40	4.73 S 151.87 E	DEPTH = 109.0 KM MB = 6.0			TELESEISMIC SOLUTION			
NEW BRITAIN REGION										
30	ADK	EP	15 49 50.2				6943	21		
.....										
30	17 51	53.69	51.03 N 179.46 E	DEPTH = 25.0 KM			FIXED DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
30	ASD	IP C	17 52 1.6	13.0	.1	2.88	41	349	.1	
30	ASB	IP	17 52 1.7	13.5	.1	2.89	39	338	.4	
		IS	17 52 7.0						.1	
30	ASC	IP	17 52 3.2				52	337	.1	
30	ACA	EP	17 52 3.5				55	335	-.1	
30	ACB	EP	17 52 3.5				54	332	.1	
30	AND	IP	17 52 5.2				69	329	-.3	
30	SSI	EP	17 52 9.5	35.5	.1	3.61	96	5	-.1	
.....										
30	18 7	49.66	51.23 N 178.71 E	DEPTH = 45.2 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
30	ASB	IP	18 07 59.1	9.7	.1	2.85	40	69	-.1	
30	AND	IP	18 07 59.1				41	25	-.1	
30	ASC	IP	18 07 59.4				41	51	.2	
30	ASD	EP	18 07 59.9	2.2	.1	2.24	48	68	-.0	
		IS	18 08 7.4						-.0	
.....										
30	NIK	IPD	19 06 13.8							
30	ADK	EP	19 07 23.8							
.....										
30	19 6	42.30	53.06 N 167.60 W	DEPTH = 26.0 KM MB = 4.9 MS = 4.7			TELESEISMIC SOLUTION			
FOX ISLANDS, ALEUTIAN ISLANDS										
30	NIK	E(P)	19 06 57.0				85	264		
30	ADK	IP	19 08 7.8				631	262		5.6ML. D 5.7
		ES	19 09 14.1							
30	GMA	EP	19 09 51.0				1426	12		
.....										
30	ADK	EP	21 21 54.8							
		ES	21 22 3.8							

DEC 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
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30	21 47	39.00	50.39 N 175.63 W	DEPTH = 8.0 KM MB = 4.8			TELESEISMIC SOLUTION			
ANDREANOF ISLANDS, ALEUTIANS ISLANDS										
30	ADK	EP	21 48 9.4				181	336	1.3	
		ES	21 48 29.6						.3	
30	AMA	EP	21 48 18.9				264	293	-.1	
30	ASD	IP	21 48 32.3	28.4	.2		370	289	.2	
30	ASB	IP	21 48 32.9	33.1	.2		376	289	.1	
		ES	21 49 11.7						-.3	
30	SSI	EP	21 48 32.9				373	298	.4	
30	ASC	IP	21 48 34.4				384	290	.6	
30	AND	IP	21 48 36.9				401	291	1.0	
30	RAT	EP	21 48 42.7				450	293	.7	
30	NIK	EP	21 48 54.5				549	56	.4	
30	GMA	EP	21 51 39.5				1874	21	1.7	

31	ASD	IP	03 09 11.7	.8	.1	1.55				
31	ASB	IP	03 09 12.8	15.2	.1	2.90				
		IS	03 09 17.4							
31	ASC	IP	03 09 13.7							

31	5 6	33.46	51.88 N 178.57 W	DEPTH = 109.1 KM			FREE DEPTH SOLUTION			
DELAROF ISLANDS, ALEUTIAN ISLANDS										
31	AMA	EP	05 06 51.6	56.2	.1	3.92	76	210	-.1	
31	SSI	EP	05 06 56.3	31.0	.1	3.75	127	271	.1	
31	ADK	EP	05 06 57.3				130	89	.8	
		ES	05 07 13.5						.2	
31	ASD	IP	05 06 59.1	2.0	.1	2.60	154	250	.0	
31	ASB	IP	05 06 59.9	3.0	.1	2.80	162	250	.0	
		ES	05 07 19.1						-.1	
31	ASC	IP	05 07 .3				163	254	.3	
31	AND	EP	05 07 1.1				174	259	-.2	
31	ANA	EP	05 07 3.5				193	263	.2	
31	RAT	EP	05 07 5.4				213	269	-.3	

31	5 43	21.40	18.90 S 178.10 W	DEPTH = 532.0 KM MB = 4.2			TELESEISMIC SOLUTION			
FIJI ISLANDS REGION										
31	ADK	EP	05 53 42.6				7839	1		

31	6 42	12.90	51.33 N 179.34 W	DEPTH = 62.3 KM			FREE DEPTH SOLUTION			
DELAROF ISLANDS, ALEUTIAN ISLANDS										
31	AMA	IP D	06 42 22.5				17	104	.0	
31	ASD	IP	06 42 28.8	41.2	.1	3.71	92	275	-.2	
31	SSI	IP C	06 42 29.6	141.9	.1	4.27	97	311	-.0	
31	ASB	IP	06 42 29.7	77.5	.1	4.01	98	273	-.0	
		IS	06 42 42.1						.1	
31	ASC	IP	06 42 30.6				105	279	.1	
31	AND	IP	06 42 32.2				121	283	-.2	
31	ANA	IP	06 42 35.4				142	284	.4	
31	RAT	EP C	06 42 38.2				169	289	-.1	
31	ADK	EP	06 42 42.2				194	70	.9	
		ES	06 43 3.5						1.5	

DEC 1971	STA	PHASE	TIME (GHT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
31	6 45	58.91	51.37 N 179.34 W	DEPTH = 57.7 KM			FREE DEPTH SOLUTION			
DEAROF ISLANDS, ALEUTIAN ISLANDS										
31	AMA	IP D	06 46 8.0	125.4	.1	3.96	19	120	-.0	
31	ASD	IP	06 46 14.7	4.3	.1	2.73	92	272	-.1	
		ES	06 46 26.4						-.0	
31	SSI	EP	06 46 15.1	8.5	.1	3.03	94	308	.0	
31	ASB	IP	06 46 15.6	9.6	.1	3.09	98	270	.0	
31	ASC	IP	06 46 16.5				104	276	.2	
31	AND	EP	06 46 18.1				120	281	-.1	
.....										
31	ADK	EP	07 20 16.3							
		ES	07 20 22.2							
.....										
31	8 44	47.20	54.77 N 164.28 W	DEPTH = 33.0 KM MB = 4.7			TELESEISMIC SOLUTION			
UNIMAK ISLAND REGION										
31	NIK	EP	08 45 36.0				361	238		
31	ADK	EP	08 46 42.5				886	254		
.....										
31	9 16	19.75	51.73 N 178.00 E	DEPTH = 73.5 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
31	RAT	IP D	09 16 30.8	168.9	.1	4.18	24	71	-.1	
31	ANA	IP D	09 16 32.5				47	104	.2	
31	AND	IP D	09 16 34.2				69	105	.0	
31	ASC	IP	09 16 36.0				86	110	.1	
31	ASB	IP	09 16 36.8	13.7	.1	3.27	96	115	-.1	
		IS	09 16 49.4						-.1	
31	ASD	IP	09 16 37.4	9.9	.1	3.14	100	111	-.0	
31	SSI	IP	09 16 38.6	22.2	.1	3.52	111	80	-.0	
.....										
31	9 48	56.43	51.42 N 178.77 E	DEPTH = 46.5 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
31	AND	IP	09 49 4.3				20	39	-.1	
31	ACB	IP	09 49 4.5				23	78	-.0	
31	ACC	IP	09 49 4.5				20	69	.1	
31	ANA	IP	09 49 4.7				24	342	.1	
31	ACA	IP	09 49 4.7				25	74	.0	
31	ACD	IP	09 49 4.8				25	88	.1	
31	ASC	IP	09 49 5.0				28	80	.1	
31	ASD	IP C	09 49 5.9	7.4	.1	2.73	40	95	-.1	
		IS	09 49 12.6						-.3	
31	RAT	EP	09 49 7.1	3.8	.1	2.50	52	324	-.2	
31	SSI	EP	09 49 10.3	5.4	.1	2.73	77	47	.1	
.....										
31	ADK	EP	13 27 46.2							
		ES	13 27 59.6							
31	ADK	EP	14 45 6.6							
		ES	14 45 13.4							
.....										
31	19 51	19.60	51.73 N 179.93 W	DEPTH = 98.0 KM MB = 5.4			FREE DEPTH SOLUTION			
DEAROF ISLANDS, ALEUTIAN ISLANDS										
31	SSI	IP C	19 51 34.2				38	299	-.0	
31	ASD	IP C	19 51 35.7				63	234	-.0	OVERLOADED ALL
31	ASB	IP C	19 51 36.2				70	235	-.1	
31	ASC	IP D	19 51 36.3				69	245	.1	

DEC 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS	
. 31	AMA	IP D	19 51 36.7				75	130	.0		
. 31	AND	IP C	19 51 37.0				79	257	-.0		
. 31	ANA	IP C	19 51 38.9				98	264	.2		
. 31	RAT	IP C	19 51 40.8				120	275	-.1		
. 31	ADK	IP C	19 51 52.6				224	84	.0		
.		ES	19 52 16.8						.1		
. 31	SMY	IP	19 52 15.5				422	288	-.9		
. 31	NIK	IP	19 52 59.5				765	75	.9		
.....											
. 31	22 23 41.70	53.12 N 167.73 W DEPTH = 52.0 KM MB = 4.2					TELESEISMIC SOLUTION				
		FOX ISLANDS, ALEUTIAN ISLANDS									
. 31	NIK	IP	22 23 55.1				77	258			
. 31	ADK	EP	22 25 4.7				624	261			
.		ES	22 26 7.7								
. 31	AMA	EP	22 25 26.6	86.3	.2		804	260			
. 31	ASD	IP	22 25 38.9				903	263		TELE	
. 31	ASB	IP	22 25 39.9	200.6	.2		910	263			
. 31	ASC	IP	22 25 41.0				912	264			
. 31	AND	IP	22 25 42.2				923	264			
. 31	ANA	IP	22 25 43.9				941	265			
.....											
. 31	23 27 45.55	51.58 N 178.41 E DEPTH = 49.3 KM					FREE DEPTH SOLUTION				
		RAT ISLANDS, ALEUTIAN ISLANDS									
. 31	ANA	IP	23 27 53.7				18	75	.0		
. 31	AND	IP	23 27 55.0				38	93	-.1		
. 31	ASC	IP	23 27 56.8				54	104	.0		
. 31	ASB	IP	23 27 57.7				63	113	-.1		
.		ES	23 28 6.7						.0		
. 31	ASD	IP	23 27 58.4	14.1	.1	3.14	68	108	.1		
.....											
31	ADK	EP	23 53 .6								
		ES	23 53 45.3								

DEC HYPOCENTER SUMMARY

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DEC 1971	ORIGIN TIME (GMT)	LAT	LONG	DEPTH* (KM)	MB	MS	GEOGRAPHIC REGION
01	2 14 23.80	51.87 N	179.35 W	142.2 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
01	5 15 51.35	51.18 N	179.41 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
01	6 53 57.81	51.20 N	178.11 E	50.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
01	7 52 47.59	50.94 N	179.68 E	50.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
01	10 21 7.15	50.95 N	179.56 E	44.5 F			RAT ISLANDS, ALEUTIAN ISLANDS
01	13 31 44.23	50.95 N	179.60 E	45.9 F			RAT ISLANDS, ALEUTIAN ISLANDS
01	13 33 42.84	51.16 N	179.51 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
01	13 34 18.08	51.20 N	179.63 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
01	13 34 50.88	51.18 N	179.89 E	26.7 F			RAT ISLANDS, ALEUTIAN ISLANDS
01	13 53 52.77	51.05 N	179.83 E	23.1 F			RAT ISLANDS, ALEUTIAN ISLANDS
01	14 43 5.56	50.93 N	179.58 E	48.5 F			RAT ISLANDS, ALEUTIAN ISLANDS
01	15 3 6.14	50.98 N	179.60 E	37.9 F			RAT ISLANDS, ALEUTIAN ISLANDS
01	15 7 32.17	50.86 N	179.54 E	33.9 F			RAT ISLANDS, ALEUTIAN ISLANDS
01	15 8 32.40	50.97 N	179.60 E	37.0 F			RAT ISLANDS, ALEUTIAN ISLANDS
01	15 14 .86	50.87 N	179.51 E	50.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
01	15 19 36.75	50.93 N	179.56 E	47.5 F			RAT ISLANDS, ALEUTIAN ISLANDS
01	18 20 19.64	50.98 N	179.57 E	41.5 F			RAT ISLANDS, ALEUTIAN ISLANDS
01	19 50 1.47	50.92 N	179.58 E	22.3 F			RAT ISLANDS, ALEUTIAN ISLANDS
01	20 39 31.57	50.71 N	179.68 E	50.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
01	20 59 59.44	51.74 N	177.18 E	50.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
02	4 21 6.02	51.04 N	179.65 E	42.3 F			RAT ISLANDS, ALEUTIAN ISLANDS
02	4 28 27.30	52.17 N	170.96 W	33.0 T	4.2		FOX ISLANDS, ALEUTIAN ISLANDS
02	4 48 13.82	50.99 N	179.46 E	50.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
02	5 20 45.74	50.86 N	179.54 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
02	5 56 56.38	50.97 N	179.42 E	50.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
02	7 12 9.76	50.84 N	179.09 W	50.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
02	9 48 49.20	48.55 N	152.97 E	127.0 T	5.1		KURIL ISLANDS
02	14 58 26.40	60.41 N	153.32 W	133.0 T	3.7		SOUTHERN ALASKA
02	15 26 19.00	5.59 S	149.75 E	148.0 T	5.1		NEW BRITAIN REGION
02	17 18 21.80	44.83 N	153.34 E	24.0 T	6.2	6.3	KURIL ISLANDS REGION
02	23 6 24.90	53.75 N	163.63 W	27.0 T	4.5		UNIMAK ISLAND REGION

DEC HYPOCENTER SUMMARY

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DEC 1971	ORIGIN TIME (GMT)	LAT	LONG	DEPTH* (KM)	MB	MS	GEOGRAPHIC REGION
03	1 31 1.83	50.83 N	179.30 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
03	1 58 25.60	51.06 N	178.33 W	17.0 T			DELAROF ISLANDS, ALEUTIAN ISLANDS
03	7 27 25.80	51.63 N	177.18 W	63.0 T	4.7		ANDREANOF ISLANDS, ALEUTIANS ISLANDS
03	10 54 41.75	51.01 N	179.79 E	49.9 F			RAT ISLANDS, ALEUTIAN ISLANDS
03	13 12 29.43	51.74 N	179.54 E	88.3 F			RAT ISLANDS, ALEUTIAN ISLANDS
03	16 6 12.64	51.72 N	178.74 E	83.8 F			RAT ISLANDS, ALEUTIAN ISLANDS
03	21 54 53.67	51.27 N	178.47 E	23.9 F			RAT ISLANDS, ALEUTIAN ISLANDS
03	23 52 22.16	51.09 N	179.16 W	27.3 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
04	2 25 51.50	6.00 S	154.56 E	78.0 T	6.0		SOLOMON ISLANDS
04	3 55 58.65	51.11 N	179.24 W	21.3 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
04	4 39 46.12	51.31 N	178.81 E	47.8 F			RAT ISLANDS, ALEUTIAN ISLANDS
04	10 34 22.70	51.16 N	176.56 W	33.0 T			ANDREANOF ISLANDS, ALEUTIANS ISLANDS
04	15 55 45.10	8.09 N	126.61 E	54.0 T	5.5		MINDANAO, PHILIPPINE ISLANDS
04	22 39 14.90	5.54 S	154.27 E	120.0 T	5.1		SOLOMON ISLANDS
05	2 34 28.57	51.68 N	179.69 W	75.8 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
05	3 34 14.31	52.01 N	179.43 E	144.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
05	4 23 18.80	51.08 N	178.95 W	34.0 T			DELAROF ISLANDS, ALEUTIAN ISLANDS
05	6 23 53.03	52.62 N	179.77 E	100.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
05	14 35 10.28	51.26 N	179.96 E	15.5 F			RAT ISLANDS, ALEUTIAN ISLANDS
06	0 10 22.90	54.37 N	158.55 E	171.0 T	5.1		KAMCHATKA
06	2 49 56.78	51.55 N	179.76 E	51.1 F			RAT ISLANDS, ALEUTIAN ISLANDS
06	8 40 44.09	51.10 N	179.28 E	29.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
06	8 54 3.55	51.16 N	179.38 E	33.9 F			RAT ISLANDS, ALEUTIAN ISLANDS
06	11 4 44.70	52.23 N	179.67 E	169.0 T	5.0		RAT ISLANDS, ALEUTIAN ISLANDS
06	11 14 49.14	52.07 N	179.74 E	173.1 F	3.5		RAT ISLANDS, ALEUTIAN ISLANDS
07	0 42 47.30	51.25 N	178.82 E	26.6 F			RAT ISLANDS, ALEUTIAN ISLANDS
07	6 23 11.80	3.70 N	128.02 E	69.0 T	6.0		NORTH OF HALMAHERA
07	8 11 41.84	51.24 N	178.70 E	41.7 F			RAT ISLANDS, ALEUTIAN ISLANDS
07	9 33 28.70	52.50 N	172.13 W	59.0 T	3.8		ANDREANOF ISLANDS, ALEUTIAN IS.
07	9 55 49.68	50.50 N	177.63 E	0.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
07	11 46 34.20	51.40 N	178.67 W	59.7 F			DELAROF ISLANDS, ALEUTIAN ISLANDS

DEC HYPOCENTER SUMMARY

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DEC 1971	ORIGIN TIME (GMT)	LAT	LONG	DEPTH* (KM)	MB	MS	GEOGRAPHIC REGION
07	12 4 19.70	55.09 N	54.35 W	33.0 T	5.4	5.3	EAST OF LABRADOR
07	16 12 .26	51.78 N	179.12 W	28.1 F	3.8		DELAROF ISLANDS, ALEUTIAN ISLANDS
07	16 26 27.34	51.16 N	179.54 E	36.7 F			RAT ISLANDS, ALEUTIAN ISLANDS
07	18 56 46.95	51.76 N	178.69 E	77.5 F			RAT ISLANDS, ALEUTIAN ISLANDS
07	19 7 44.00	51.44 N	179.22 E	57.0 F			RAT ISLANDS, ALEUTIAN ISLANDS
07	21 1 44.95	51.46 N	178.69 E	56.6 F			RAT ISLANDS, ALEUTIAN ISLANDS
08	0 49 25.50	51.17 N	178.48 W	41.0 T	4.0		DELAROF ISLANDS, ALEUTIAN ISLANDS
08	6 9 32.60	25.37 S	177.32 W	156.0 T	5.1		SOUTH OF FIJI ISLANDS
08	13 0 14.66	51.58 N	178.35 E	82.9 F	5.2		RAT ISLANDS, ALEUTIAN ISLANDS
08	13 12 .58	51.63 N	178.43 E	74.8 F			RAT ISLANDS, ALEUTIAN ISLANDS
08	13 12 8.79	51.63 N	178.43 E	71.8 F			RAT ISLANDS, ALEUTIAN ISLANDS
08	13 39 24.30	51.50 N	178.29 E	70.4 F			RAT ISLANDS, ALEUTIAN ISLANDS
08	14 23 1.84	51.63 N	178.42 E	75.1 F			RAT ISLANDS, ALEUTIAN ISLANDS
08	19 0 53.80	51.01 N	170.95 W	33.0 T	4.1		FOX ISLANDS, ALEUTIAN ISLANDS
08	19 5 27.14	51.64 N	178.41 E	74.8 F			RAT ISLANDS, ALEUTIAN ISLANDS
08	21 59 49.17	51.63 N	178.45 E	77.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
09	0 58 43.50	51.14 N	179.41 W	17.0 T			DELAROF ISLANDS, ALEUTIAN ISLANDS
09	15 0 59.10	21.74 S	173.24 E	41.0 T	5.6	5.7	NEW HEBRIDES ISLANDS REGION
09	18 40 51.80	52.37 N	178.66 E	118.3 F			RAT ISLANDS, ALEUTIAN ISLANDS
10	4 23 57.01	51.41 N	179.73 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
10	7 7 57.61	51.68 N	179.41 W	100.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
10	7 22 56.10	7.24 S	128.75 E	114.0 T	5.4		BANDA SEA
10	10 53 41.05	51.67 N	179.08 E	87.0 F			RAT ISLANDS, ALEUTIAN ISLANDS
10	12 38 22.14	50.99 N	178.67 E	26.6 F			RAT ISLANDS, ALEUTIAN ISLANDS
10	14 2 50.61	52.67 N	178.63 W	200.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
10	14 4 19.33	51.21 N	178.68 E	0.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
10	14 8 30.47	51.18 N	178.66 E	29.5 F			RAT ISLANDS, ALEUTIAN ISLANDS
10	21 36 23.90	51.02 N	176.40 W	17.0 T			ANDREANOF ISLANDS, ALEUTIANS ISLANDS
10	22 23 4.85	51.07 N	179.09 E	29.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
11	1 49 25.63	51.25 N	179.86 W	29.6 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
11	3 29 57.40	1.75 N	127.27 E	114.0 T	5.2		HALMAHERA

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DEC 1971	ORIGIN TIME (GMT)	LAT	LONG	DEPTH* (KM)	MB	MS	GEOGRAPHIC REGION
11	4 0 22.21	51.78 N	178.87 W	85.3 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
11	4 52 49.38	51.42 N	178.81 E	46.6 F			RAT ISLANDS, ALEUTIAN ISLANDS
11	7 25 19.10	6.07 S	154.51 E	65.0 T	5.9		SOLOMON ISLANDS
11	14 41 35.15	51.19 N	179.86 E	34.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
11	19 32 38.70	50.77 N	177.14 E	50.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
11	22 29 25.09	51.11 N	180.00 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
12	13 47 58.06	50.22 N	177.70 E	75.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
12	14 26 25.84	51.72 N	178.77 E	45.1 F			RAT ISLANDS, ALEUTIAN ISLANDS
12	15 25 36.17	51.71 N	179.81 E	100.3 F			RAT ISLANDS, ALEUTIAN ISLANDS
12	18 5 8.08	51.95 N	179.63 E	146.0 F			RAT ISLANDS, ALEUTIAN ISLANDS
12	20 20 1.46	51.00 N	179.17 E	50.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
12	21 57 19.51	51.32 N	178.81 E	44.4 F			RAT ISLANDS, ALEUTIAN ISLANDS
13	1 39 53.12	51.45 N	179.41 E	76.3 F			RAT ISLANDS, ALEUTIAN ISLANDS
13	9 31 54.81	51.60 N	178.48 E	66.1 F			RAT ISLANDS, ALEUTIAN ISLANDS
13	9 58 42.13	52.28 N	178.80 E	100.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
13	12 37 22.82	51.81 N	178.37 E	106.4 F			RAT ISLANDS, ALEUTIAN ISLANDS
13	15 7 53.74	51.67 N	178.08 E	79.9 F			RAT ISLANDS, ALEUTIAN ISLANDS
13	17 28 32.45	51.45 N	179.46 E	66.6 F			RAT ISLANDS, ALEUTIAN ISLANDS
13	22 56 37.67	51.48 N	178.73 E	33.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
14	2 29 26.70	52.80 N	171.99 E	41.0 T	4.9		NEAR ISLANDS, ALEUTIAN ISLANDS
14	4 46 39.63	51.20 N	178.50 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
14	12 0 59.27	51.72 N	179.82 E	86.4 F			RAT ISLANDS, ALEUTIAN ISLANDS
14	22 24 40.60	51.90 N	179.50 E	180.4 F			RAT ISLANDS, ALEUTIAN ISLANDS
15	4 59 29.20	53.71 N	169.46 E	35.0 T	5.1		KOMANDORSKY ISLANDS REGION
15	6 5 17.66	51.38 N	179.37 W	25.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
15	8 29 55.30	56.05 N	163.18 E	33.0 T	6.1	7.7	NEAR EAST COAST OF KAMCHATKA
15	9 22 35.80	55.79 N	163.68 E	33.0 T	5.2		OFF EAST COAST OF KAMCHATKA
15	10 22 33.06	52.36 N	178.77 E	107.9 F			RAT ISLANDS, ALEUTIAN ISLANDS
15	10 37 33.92	51.23 N	179.92 E	50.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
15	11 11 7.00	55.67 N	163.99 E	33.0 T	5.2		KOMANDORSKY ISLANDS REGION
15	12 1 46.40	55.68 N	163.97 E	33.0 T	5.3		KOMANDORSKY ISLANDS REGION

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DEC 1971	ORIGIN TIME (GMT)	LAT	LONG	DEPTH* (KM)	MB	MS	GEOGRAPHIC REGION
15	13 7 42.60	55.75 N	164.06 E	33.0 T	5.3		KOMANDORSKY ISLANDS REGION
15	13 18 19.90	56.08 N	163.02 E	35.0 T	5.0		NEAR EAST COAST OF KAMCHATKA
15	15 6 50.20	55.84 N	163.55 E	33.0 T	5.1		OFF EAST COAST OF KAMCHATKA
16	0 3 6.30	55.73 N	163.98 E	41.0 T	4.8		KOMANDORSKY ISLANDS REGION
16	5 9 42.05	51.31 N	179.50 W	25.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
16	12 25 48.00	55.89 N	163.56 E	33.0 T	5.6	5.1	OFF EAST COAST OF KAMCHATKA
16	12 29 31.40	55.84 N	163.62 E	33.0 T	5.2		OFF EAST COAST OF KAMCHATKA
16	18 54 9.10	20.54 S	178.45 W	581.0 T	4.2		FIJI ISLANDS REGION
17	0 5 19.10	55.10 N	161.18 W	33.0 T	4.5		ALASKA PENINSULA
17	4 31 1.94	52.14 N	179.77 E	137.3 F			RAT ISLANDS, ALEUTIAN ISLANDS
17	18 25 24.60	55.52 N	163.91 E	33.0 T	4.9	5.1	OFF EAST COAST OF KAMCHATKA
17	19 6 7.10	55.55 N	163.93 E	33.0 T	5.5	5.9	OFF EAST COAST OF KAMCHATKA
18	11 15 21.87	50.04 N	178.72 E	24.1 F			RAT ISLANDS, ALEUTIAN ISLANDS
18	12 34 46.40	51.19 N	176.31 W	17.0 T	3.7		ANDREANOF ISLANDS, ALEUTIANS ISLANDS
18	17 16 52.87	51.59 N	179.60 E	75.0 F			RAT ISLANDS, ALEUTIAN ISLANDS
18	18 19 54.91	51.47 N	178.80 E	33.8 F			RAT ISLANDS, ALEUTIAN ISLANDS
18	21 57 52.60	55.60 N	163.28 E	33.0 T	5.5	5.1	OFF EAST COAST OF KAMCHATKA
19	1 9 21.63	52.54 N	179.08 W	154.0 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
19	6 57 55.60	51.56 N	176.41 W	59.0 T	4.1		ANDREANOF ISLANDS, ALEUTIANS ISLANDS
19	7 50 27.80	55.96 N	163.04 E	33.0 T	4.9	5.3	NEAR EAST COAST OF KAMCHATKA
19	9 32 6.75	51.12 N	179.24 E	28.5 F			RAT ISLANDS, ALEUTIAN ISLANDS
19	15 32 18.30	55.23 N	163.03 E	33.0 T	5.1	5.1	OFF EAST COAST OF KAMCHATKA
19	18 28 53.60	51.40 N	178.04 W	47.0 T			ANDREANOF ISLANDS, ALEUTIANS ISLANDS
19	23 10 22.57	51.49 N	178.16 W	99.9 F			ANDREANOF ISLANDS, ALEUTIANS ISLANDS
20	0 23 53.70	55.95 N	163.83 E	34.0 T	4.9		NEAR EAST COAST OF KAMCHATKA
20	8 12 3.40	51.11 N	179.13 E	36.6 F			RAT ISLANDS, ALEUTIAN ISLANDS
20	13 32 41.59	51.95 N	178.17 E	132.4 F	4.3		RAT ISLANDS, ALEUTIAN ISLANDS
20	17 52 55.70	50.10 N	178.53 W	75.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
20	23 14 16.50	51.47 N	177.28 W	54.0 T	4.2		ANDREANOF ISLANDS, ALEUTIANS ISLANDS
21	4 25 8.20	52.28 N	179.88 W	163.1 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
21	5 14 17.87	51.63 N	178.42 E	70.6 F			RAT ISLANDS, ALEUTIAN ISLANDS

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DEC 1971	ORIGIN TIME (GMT)	LAT	LONG	DEPTH* (KM)	MB	MS	GEOGRAPHIC REGION
21	5 45 30.83	51.05 N	179.97 W	30.9 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
21	8 30 26.62	51.48 N	179.71 W	61.5 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
21	10 55 59.40	55.35 N	163.04 E	33.0 T	5.0		OFF EAST COAST OF KAMCHATKA
21	12 56 19.90	51.46 N	178.42 W	8.0 T	4.0		DELAROF ISLANDS, ALEUTIAN ISLANDS
21	16 6 24.40	53.75 N	164.25 W	33.0 T	4.2		UNIMAK ISLAND REGION
21	21 40 51.19	51.43 N	178.38 E	55.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
21	22 0 35.02	51.47 N	178.82 E	46.5 F			RAT ISLANDS, ALEUTIAN ISLANDS
21	22 28 12.64	51.52 N	179.76 E	62.5 F			RAT ISLANDS, ALEUTIAN ISLANDS
22	0 49 21.09	51.54 N	177.95 E	57.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
22	1 25 54.08	51.57 N	178.81 E	21.8 F			RAT ISLANDS, ALEUTIAN ISLANDS
22	3 7 7.00	51.88 N	178.54 W	33.0 T			DELAROF ISLANDS, ALEUTIAN ISLANDS
22	11 2 36.10	55.94 N	163.70 E	33.0 T	4.9		OFF EAST COAST OF KAMCHATKA
22	11 50 26.40	44.34 N	147.37 E	65.0 T	4.8		KURIL ISLANDS
22	17 28 10.79	51.01 N	179.20 E	29.9 F			RAT ISLANDS, ALEUTIAN ISLANDS
22	18 4 59.63	51.00 N	179.18 E	30.6 F			RAT ISLANDS, ALEUTIAN ISLANDS
22	18 11 24.96	50.69 N	179.19 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
22	18 11 56.62	51.03 N	179.18 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
22	18 35 1.69	50.99 N	179.16 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
22	19 25 26.54	51.01 N	179.14 E	24.6 F			RAT ISLANDS, ALEUTIAN ISLANDS
22	19 45 32.25	51.10 N	179.31 E	36.6 F			RAT ISLANDS, ALEUTIAN ISLANDS
22	19 49 10.32	51.01 N	178.90 E	0.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
22	20 56 2.59	50.98 N	179.05 E	0.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
22	21 19 56.31	51.03 N	179.14 E	27.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
23	1 56 28.38	51.49 N	179.27 E	21.8 F			RAT ISLANDS, ALEUTIAN ISLANDS
23	3 7 34.30	47.31 N	151.88 E	130.0 T	4.7		KURIL ISLANDS
23	3 47 21.70	51.00 N	176.59 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
23	6 50 36.88	51.56 N	178.81 E	15.6 F			RAT ISLANDS, ALEUTIAN ISLANDS
23	8 58 56.80	55.78 N	164.06 E	33.0 T	4.3		KOMANDORSKY ISLANDS REGION
23	11 26 40.44	52.50 N	178.17 E	109.3 F			RAT ISLANDS, ALEUTIAN ISLANDS
23	13 57 40.26	51.17 N	178.57 E	50.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
23	14 28 31.73	51.41 N	178.19 E	79.2 F			RAT ISLANDS, ALEUTIAN ISLANDS

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DEC 1971	ORIGIN TIME (GMT)	LAT	LONG	DEPTH* (KM)	MB	MS	GEOGRAPHIC REGION
23	15 49 49.18	51.21 N	179.91 W	41.1 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
23	17 51 22.39	50.75 N	178.95 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
23	19 18 50.48	51.38 N	177.72 E	50.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
24	3 52 14.66	51.29 N	179.78 E	28.8 F			RAT ISLANDS, ALEUTIAN ISLANDS
24	4 20 12.73	50.96 N	179.21 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
24	6 56 38.38	51.43 N	178.78 E	55.5 F			RAT ISLANDS, ALEUTIAN ISLANDS
24	17 24 15.21	51.13 N	178.96 E	0.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
24	18 35 20.62	51.79 N	179.64 W	73.8 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
24	20 31 33.06	51.62 N	179.57 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
24	22 26 5.31	51.45 N	179.45 W	65.8 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
24	22 59 9.91	51.49 N	177.67 E	50.0 D	3.5		RAT ISLANDS, ALEUTIAN ISLANDS
25	4 52 59.33	51.54 N	179.51 E	81.0 F			RAT ISLANDS, ALEUTIAN ISLANDS
25	6 36 47.10	53.90 N	163.60 W	33.0 T	4.3		UNIMAK ISLAND REGION
25	22 4 54.28	51.44 N	178.71 E	52.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
26	0 28 44.93	51.96 N	178.73 E	94.8 F			RAT ISLANDS, ALEUTIAN ISLANDS
26	6 50 50.30	52.73 N	174.15 W	157.0 T	4.5		ANDREANOF ISLANDS, ALEUTIANS ISLANDS
26	10 2 .45	51.61 N	179.80 W	72.9 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
26	12 21 16.55	51.96 N	179.76 W	137.0 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
26	13 19 2.00	50.57 N	175.14 W	33.0 T	5.2		ANDREANOF ISLANDS, ALEUTIANS ISLANDS
26	15 6 53.26	50.78 N	179.88 E	0.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
26	15 50 57.10	6.28 S	154.84 E	56.0 T	5.6		SOLOMON ISLANDS
26	16 21 11.17	51.67 N	178.35 E	89.0 F			RAT ISLANDS, ALEUTIAN ISLANDS
26	17 50 48.30	51.51 N	179.89 E	50.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
26	20 0 1.93	51.61 N	179.57 W	125.0 D	3.5		DELAROF ISLANDS, ALEUTIAN ISLANDS
26	20 59 3.10	51.45 N	178.72 E	0.0 F			RAT ISLANDS, ALEUTIAN ISLANDS
27	2 31 50.89	50.90 N	179.47 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
27	4 40 6.14	52.32 N	179.55 E	173.9 F			RAT ISLANDS, ALEUTIAN ISLANDS
27	5 21 2.08	51.37 N	179.41 E	49.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
27	7 19 12.63	50.34 N	177.31 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
27	11 0 56.80	19.86 S	175.92 W	222.0 T	5.4		TONGA ISLANDS
27	15 26 39.99	51.33 N	178.47 E	53.2 F			RAT ISLANDS, ALEUTIAN ISLANDS

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DEC 1971	ORIGIN TIME (GMT)	LAT	LONG	DEPTH* (KM)	MB	MS	GEOGRAPHIC REGION
27	17 9 54.35	51.73 N	178.43 E	115.9 F			RAT ISLANDS, ALEUTIAN ISLANDS
27	17 13 21.91	52.05 N	178.98 E	70.5 F			RAT ISLANDS, ALEUTIAN ISLANDS
28	9 4 26.26	51.57 N	179.43 W	50.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
28	9 30 30.06	51.43 N	178.78 E	49.0 F			RAT ISLANDS, ALEUTIAN ISLANDS
28	12 42 2.88	51.51 N	179.14 E	34.0 F			RAT ISLANDS, ALEUTIAN ISLANDS
28	13 23 55.49	51.54 N	179.50 E	65.6 F			RAT ISLANDS, ALEUTIAN ISLANDS
28	18 0 11.64	51.59 N	179.88 E	74.4 F			RAT ISLANDS, ALEUTIAN ISLANDS
28	19 35 55.50	55.78 N	163.88 E	33.0 T	5.0		OFF EAST COAST OF KAMCHATKA
28	22 42 46.90	4.38 N	125.85 E	124.0 T	5.3		TALAUD ISLANDS
28	23 36 39.32	50.79 N	179.38 W	25.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
29	2 9 7.34	50.13 N	178.61 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
29	9 41 51.70	55.23 N	164.53 E	35.0 T	5.0		KOMANDORSKY ISLANDS REGION
30	6 20 57.70	49.76 N	78.15 E	0.0 T	5.8		EASTERN KAZAKH SSR
30	13 18 31.57	52.09 N	178.87 E	158.7 F			RAT ISLANDS, ALEUTIAN ISLANDS
30	14 37 58.36	51.71 N	179.32 E	85.1 F			RAT ISLANDS, ALEUTIAN ISLANDS
30	15 39 37.40	4.73 S	151.87 E	109.0 T	6.0		NEW BRITAIN REGION
30	17 51 53.69	51.03 N	179.46 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
30	18 7 49.66	51.23 N	178.71 E	45.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
30	19 6 42.30	53.06 N	167.60 W	26.0 T	4.9	4.7	FOX ISLANDS, ALEUTIAN ISLANDS
30	21 47 39.00	50.39 N	175.63 W	8.0 T	4.8		ANDREANOF ISLANDS, ALEUTIANS ISLANDS
31	5 6 33.46	51.88 N	178.57 W	103.1 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
31	5 43 21.40	18.90 S	178.10 W	532.0 T	4.2		FIJI ISLANDS REGION
31	6 42 12.90	51.33 N	179.34 W	62.3 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
31	6 45 58.91	51.37 N	179.34 W	57.7 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
31	8 44 47.20	54.77 N	164.28 W	33.0 T	4.7		UNIMAK ISLAND REGION
31	9 16 19.75	51.73 N	178.00 E	73.5 F			RAT ISLANDS, ALEUTIAN ISLANDS
31	9 48 56.43	51.42 N	178.77 E	46.5 F			RAT ISLANDS, ALEUTIAN ISLANDS
31	19 51 19.60	51.73 N	179.93 W	98.0 F	5.4		DELAROF ISLANDS, ALEUTIAN ISLANDS
31	22 23 41.70	53.12 N	167.73 W	52.0 T	4.2		FOX ISLANDS, ALEUTIAN ISLANDS
31	23 27 45.55	51.58 N	178.41 E	49.3 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

$m_B = 3.0$

$m_B = 4.0$

$m_B = 5.0$

$m_B = 6.0$

$m_B = 7.0$

*

*

*

*

*

□

□

□

□

□

x

x

x

x

x

◇

◇

◇

◇

◇

+

+

+

+

+

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

55.0^{-170.0} -169.0 -168.0 -167.0 -166.0 -165.0
♦ ♦ ♦ ♦ ♦ ♦

54.5[♦] 54.5

54.0[♦] 54.0

53.5[♦] 53.5

53.0[♦] 53.0

52.5[♦] 52.5

52.0[♦] 52.0

51.5[♦] 51.5

51.0[♦] 51.0

50.5[♦] 50.5

50.0^{-170.0} -169.0 -168.0 -167.0 -166.0 50.0
♦ ♦ ♦ ♦ ♦ ♦

55.0	-165.0	-164.0	-163.0	-162.0	-161.0	-160.0
						55.0
54.5						54.5
54.0						54.0
53.5						53.5
53.0						53.0
52.5						52.5
52.0						52.0
51.5						51.5
51.0						51.0
50.5						50.5
50.0	-165.0	-164.0	-163.0	-162.0	-161.0	50.0
						-160.0