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ALEUTIAN SEISMIC PROGRAM
SEISMOLOGICAL BULLETIN
JANUARY 1972

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BY GH/Kahn/amb
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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 41.6 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	SEMISSOPOCHNOI 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

JAN 1972	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
01	3 56	13.51	51.66 N 179.91 W	DEPTH = 97.9 KM			FREE DEPTH SOLUTION			
DELAOF ISLANDS, ALEUTIAN ISLANDS										
01	ASD	IP	03 56 29.5	27.2	.1	3.55	60	240	.1	
01	ASB	IP	03 56 29.9	36.9	.1	3.69	67	241	-.1	
		IS	03 56 42.0						.0	
01	ASC	IP	03 56 30.1				68	251	.1	
01	AND	IP	03 56 30.8				79	263	-.2	
01	ANA	IP	03 56 32.8				99	268	.1	
.....										
01	4 47	29.51	51.66 N 179.72 E	DEPTH = 60.3 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
01	ASD	IP	04 47 40.1				40	222	-.1	
01	ASB	IP	04 47 40.8				46	225	.0	
		IS	04 47 49.0						-.0	
01	ASC	IP	04 47 40.8				44	241	.2	
01	AND	IP	04 47 41.4				54	259	-.1	
.....										
01	ADK	EP	06 47 2.4							
		ES	06 47 44.7							
.....										
01	21 24	49.32	51.38 N 177.03 E	DEPTH = 50.0 KM			FIXED DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
01	ANA	IP	21 25 8.1				116	76	.1	
01	AND	IP	21 25 9.9				135	81	-.3	
		ES	21 25 25.5						-.0	
01	ASC	IP	21 25 12.2				148	86	.3	
01	ASD	EP	21 25 13.3				160	89	-.1	
.....										
02	15 6	24.52	51.90 N 175.13 E	DEPTH = 200.0 KM			FIXED DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
02	RAT	IP	15 07 3.5				220	92	.2	
02	ANA	IP	15 07 5.6				245	96	-.1	
		ES	15 07 35.8						.0	
02	AND	IP	15 07 7.3				266	97	-.5	
02	ASC	IP	15 07 9.9				283	98	.4	
02	ASD	IP	15 07 11.0	5.6	.1		296	99	.1	
.....										
02	18 16	28.00	59.35 N 153.75 W	DEPTH = 96.0 KM MB = 4.5			TELESEISMIC SOLUTION			
SOUTHERN ALASKA										
02	ADK	EP	18 19 56.6				1656	250		
.....										
02	ADK	EP	23 09 40.4							
		ES	23 09 46.1							
03	ADK	EP	00 38 44.7							
		ES	00 38 46.5							
03	ASB	IP	10 52 59.2	496.8	.1	4.46				
		ES	10 53 4.4							
03	ASD	IP C	10 52 59.5							
03	ASC	IP	10 53 .5							
03	AND	IP	10 53 2.0							
03	ADK	EP	10 53 33.6							
		ES	10 54 4.7							

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JAN 1972	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
03	17	6	20.32	50.97 N	178.71 E	DEPTH = 21.7 KM	MB = 5.4	MS = 5.4	FREE DEPTH SOLUTION	
RAT ISLANDS, ALEUTIAN ISLANDS										
03	ASB	IP	17 06 30.4				58	40	-0	
03	ASD	IP D	17 06 31.3				64	43	-1	
03	ASC	IP	17 06 31.5				64	30	.2	SHOCK AT 1710.
03	RAT	IP	17 06 36.2				96	344	-0	
03	SSI	IP	17 06 39.7				120	30	-0	
03	AMA	IP	17 06 45.3				156	76	.0	
03	ADK	IP D	17 07 7.4				335	71	-3	FELT II. 6.1ML
		ES	17 07 42.8						.4	
03	SMY	EP	17 07 14.3				373	304	1.9	
03	NIK	EP	17 08 16.3				881	71	1.3	
03	GMA	EP	17 10 27.3				1987	28	-4.3	
03	17	23	14.75	51.14 N	178.97 E	DEPTH = 33.8 KM			FREE DEPTH SOLUTION	
RAT ISLANDS, ALEUTIAN ISLANDS										
03	ASB	IP D	17 23 22.2	784.5	.2	4.34	31	38	.0	
		IS	17 23 27.6						-0	
03	ASD	IP D	17 23 22.9				38	43	-1	VERY HIGH NOISE
03	ASC	IP C	17 23 23.2				38	21	.2	
03	AND	IP	17 23 24.0				47	359	-1	
03	ADK	EP	17 23 58.9				312	73	.7	
		ES	17 24 33.9						3.9	
03	17	26	24.80	51.19 N	178.82 E	DEPTH = 46.0 KM	MB = 4.1		TELESEISMIC SOLUTION	
RAT ISLANDS, ALEUTIAN ISLANDS										
03	ASB	IP	17 26 32.9				35	57	-1.0	
		IS	17 26 40.4						-1	
03	ASD	IP	17 26 33.8				43	58	-8	OVERLOAD
03	ASC	IP	17 26 33.9				39	38	-3	
03	AND	IP	17 26 34.4				43	12	-2	
03	RAT	IP	17 26 38.4				76	334	-1	
03	AMA	IP	17 26 48.7				145	85	1.8	
03	ADK	EP	17 27 10.2				321	74	1.6	
		ES	17 27 45.0						4.4	
03	SMY	E(P)	17 27 16.5				367	300	2.2	
03	GMA	EP	17 30 29.5				1961	28	-1.7	
03	17	31	29.40	51.14 N	178.92 E	DEPTH = 46.0 KM	MB = 5.1		TELESEISMIC SOLUTION	
RAT ISLANDS, ALEUTIAN ISLANDS										
03	ASB	IP	17 31 37.6				34	42	-7	
03	ASD	IP D	17 31 38.3				41	46	-7	
03	ASC	IP	17 31 38.6				40	25	-3	
03	AND	IP	17 31 39.4				48	3	-3	
03	RAT	IP	17 31 43.6				85	331	-5	
03	SSI	EP	17 31 46.7				96	29	1.2	
03	AMA	IP	17 31 51.6				138	82	.9	
03	ADK	EP	17 32 14.0				316	73	1.4	
		ES	17 32 48.9						4.8	

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JAN 1972	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
03	17 45	11.24	51.00 N 178.64 E	DEPTH = 25.0 KM						FIXED DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
03	ASB	IP	17 45 21.7	379.2	.1	4.46	59	46	.1	
		IS	17 45 29.2						-.0	
03	ASD	IP	17 45 22.5				66	48	-.2	
03	ASC	IP	17 45 22.6				64	35	.2	
03	AND	IP	17 45 22.7				67	19	-.1	
03	17 46	22.42	50.98 N 178.73 E	DEPTH = 25.0 KM						FIXED DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
03	ASB	IP	17 46 32.4				56	41	.0	
		ES	17 46 39.6						-.0	
03	ASD	IP	17 46 33.3	63.3	.1	3.70	63	43	-.1	
03	ASC	IP	17 46 33.3				62	30	.1	
03	AND	IP	17 46 33.9				66	14	-.0	
03	17 47	32.71	51.00 N 178.85 E	DEPTH = 50.0 KM						FIXED DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
03	ASB	IP	17 47 43.5	222.3	.1	4.27	49	34	.1	
		ES	17 47 51.3						.0	
03	ASC	EP	17 47 43.8				56	23	-.4	
03	ASD	IP	17 47 44.3				56	38	.1	
03	AND	IP	17 47 45.2				63	6	.2	
03	18 22	34.98	51.04 N 178.90 E	DEPTH = 50.8 KM						FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
03	ASB	IP	18 22 45.1	392.2	.1	4.49	43	34	-.0	
		IS	18 22 52.5						-.0	
03	ASD	IP	18 22 45.7				49	38	-.1	
03	ASC	IP	18 22 46.1				50	21	-.2	
03	AND	IP	18 22 46.6				58	3	-.1	
03	ASB	IP	18 30 58.5	379.2	.1	4.48				
		ES	18 31 5.9							
03	ASD	IP D	18 30 59.3							
03	ASC	IP	18 30 59.4							
03	AND	IP	18 31 0.0							
03	ADK	EP	18 31 35.3							
		ES	18 32 10.5							
03	ASB	IP D	18 37 57.3	353.0	.1	4.46				
		IS	18 38 4.9							
03	ASD	IP D	18 37 58.2							
03	ASC	IP C	18 37 58.4							
03	AND	IP	18 37 59.1							
03	ADK	EP	18 38 34.2							
		ES	18 39 8.9							
03	18 43	59.22	50.96 N 178.81 E	DEPTH = 25.0 KM						FIXED DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
03	ASB	IP	18 44 8.9				54	35	-.0	
		IS	18 44 16.0						-.0	
03	ASD	EP	18 44 9.9				61	38	.0	
03	ASC	IP	18 44 10.							

JAN 1972	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
03	ASB	IP D	20 01 30.5	967.5	.2					
03	ASD	IP	20 01 31.2							
03	ASC	IP	20 01 31.6							
03	AND	IP	20 01 32.8							
03	RAT	IP D	20 01 36.7							
03	ADK	EP	20 02 7.2							
		ES	20 02 41.6							
03	SMY	EP	20 02 15.5							
03	NIK	E(P)	20 03 14.5							
03	GMA	EP	20 05 27.4							

03 20 6 .99 50.94 N 178.79 E DEPTH = 34.2 KM MB = 5.1 FREE DEPTH SOLUTION
RAT ISLANDS, ALEUTIAN ISLANDS

03	ASB	IP	20 06 11.2				56	34	-.4	EVENT AT 2008. VERY LARGE
03	ASD	IP	20 06 12.0				63	37	-.5	
03	ASC	IP	20 06 12.3				64	24	-.3	
03	AND	IP	20 06 14.2				70	9	.7	
03	RAT	IP	20 06 17.5				101	341	-.4	
03	SSI	IP	20 06 20.4				119	27	-.3	
03	AMA	IP	20 06 25.5				152	74	.9	
03	ADK	EP	20 06 47.9				331	70	1.1	
		ES	20 07 21.7						1.5	

03	ASB	IP	20 14 38.4	102.2	.1	3.94				
		ES	20 14 46.3							
03	ASD	IP	20 14 39.3	45.8	.1	3.62				
03	ASC	IP	20 14 39.5							
03	ASB	IP	20 18 19.0	679.9	.2	4.30				
		IS	20 18 24.3							
03	ASD	IP D	20 18 19.7							
03	ASC	IP	20 18 20.1							
03	AND	IP	20 18 20.9							
03	ADK	EP	20 18 55.7							
		ES	20 19 30.3							

03 20 46 27.38 51.02 N 178.85 E DEPTH = 50.0 KM FIXED DEPTH SOLUTION
RAT ISLANDS, ALEUTIAN ISLANDS

03	ASB	IP D	20 46 37.8				47	37	-.1	
		IS	20 46 45.5						-.0	
03	ASD	IP D	20 46 38.6				53	40	.0	
03	ASC	IP	20 46 38.7				54	24	.1	
03	AND	IP	20 46 39.3				60	7	-.0	

03 23 6 26.21 50.93 N 178.78 E DEPTH = 25.0 KM FIXED DEPTH SOLUTION
RAT ISLANDS, ALEUTIAN ISLANDS

03	ASB	IP	23 06 36.5				58	34	-.0	
		IS	23 06 44.0						-.0	
03	ASD	IP	23 06 37.4	78.0	.1	3.81	65	37	-.1	
03	ASC	IP	23 06 37.7				65	24	.2	
03	AND	IP	23 06 38.4				71	10	-.1	

04	ADK	IP C	01 48 49.4							
		ES	01 49 55.0							
04	ADK	EP	02 02 11.7							
		ES	02 02 31.3							

JAN 1972	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
04	3 16	54.50	22.55 N 122.11 E	DEPTH = 33.0 KM MB = 6.1 MS = 6.9			TELESEISMIC SOLUTION TAIWAN REGION			
04	ADK	EP	03 26 24.2	337.5	1.1		6103	42		
		E	03 26 45.0							
04	ADK	EP	06 09 4.7							
		ES	06 09 17.3							
04	10 52	36.57	51.27 N 179.50 W	DEPTH = 73.5 KM			FREE DEPTH SOLUTION DELAROF ISLANDS, ALEUTIAN ISLANDS			
04	ASD	IP	10 52 52.3	21.4	.1	3.43	82	280	.0	
04	ASB	IP	10 52 52.9	24.4	.1	3.50	88	277	.0	
		IS	10 53 4.8						.0	
04	ASC	IP	10 52 53.6				95	283	-.1	
04	AND	EP	10 52 55.6				112	287	.0	
04	ADK	EP	12 06 3.4							
		ES	12 06 11.1							
04	12 20	38.69	51.03 N 178.80 E	DEPTH = 50.0 KM			FIXED DEPTH SOLUTION RAT ISLANDS, ALEUTIAN ISLANDS			
04	ASB	IP	12 20 49.3				48	41	-.0	
		IS	12 20 57.1						.0	
04	ASC	IP	12 20 49.8				54	28	-.2	
04	ASD	IP	12 20 50.2				55	43	.1	
04	AND	IP	12 20 50.7				60	10	.1	
04	13 3	36.36	51.34 N 179.46 E	DEPTH = 54.7 KM MB = 4.6			FREE DEPTH SOLUTION RAT ISLANDS, ALEUTIAN ISLANDS			
04	ASD	IP C	13 03 44.8				10	304	.0	
04	ASB	IP C	13 03 45.0				15	278	.0	
04	ASC	IP D	13 03 45.5				24	304	.1	
04	AND	IP C	13 03 46.6				43	305	-.2	
04	SSI	IP	13 03 48.8				62	8	.0	
04	ANA	IP C	13 03 49.0				64	300	.1	
04	RAT	IP	13 03 52.4				93	304	.1	
04	AMA	IP	13 03 53.1				100	93	-.0	
04	ADK	EP	13 04 15.0				273	76	.6	
		ES	13 04 43.3						1.2	
04	ADK	EP	14 09 38.8							
		ES	14 09 47.3							
04	15 16	44.75	51.34 N 179.38 E	DEPTH = 53.3 KM			FREE DEPTH SOLUTION RAT ISLANDS, ALEUTIAN ISLANDS			
04	ASD	IP	15 16 52.9	12.0	.1	2.89	6	338	-.0	
04	ASB	IP	15 16 53.0	17.8	.1	3.07	9	286	-.0	
		IS	15 16 59.0						-.0	
04	ASC	IP	15 16 53.5				20	313	.1	
04	AND	IP	15 16 54.7				39	310	-.0	
04	ADK	EP	15 31 57.3							
		ES	15 32 22.0							

JAN 1972	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
04	ASB	IP	19 20 43.0							
		IS	19 20 49.5							
04	ASD	IP	19 20 43.7							
04	AND	IP	19 20 45.4							
.....										
04	20 7	35.70	23.84 S	179.95 E	DEPTH = 558.0 KM	MB = 4.9	TELESEISMIC SOLUTION			
SOUTH OF FIJI ISLANDS										
.....										
04	ADK	IP D	20 18 23.5	203.2	.6		8390	2		
.....										
.....										
05	0 58	54.90	51.15 N	178.87 E	DEPTH = 49.0 KM	MB = 5.1	MS = 4.3	TELESEISMIC SOLUTION		
RAT ISLANDS, ALEUTIAN ISLANDS										
.....										
05	ASB	IP D	00 59 3.6				35	48	-0.6	
05	ACE	IP	00 59 3.6				35	37	-0.6	
05	ACD	IP	00 59 3.9				36	31	-0.4	
05	ACE	IP	00 59 4.2				38	24	-0.2	
05	ANA	IP D	00 59 4.3				55	344	-1.9	
05	ACC	IP	00 59 4.3				39	18	-0.2	
05	ASD	IP D	00 59 4.4				42	51	-0.4	
05	ASC	IP C	00 59 4.4				40	30	-0.2	
05	ACA	IP	00 59 4.5				40	25	-0.2	
05	ACF	IP	00 59 5.1				42	11	.2	
05	AND	IP D	00 59 6.0				46	7	.8	
05	RAT	IP D	00 59 8.7				81	332	-0.6	
05	SSI	IP D	00 59 12.7				96	31	1.6	
05	AMA	IP C	00 59 17.9				141	83	1.3	
05	ADK	EP	00 59 40.5				318	74	2.1	4.8ML D 3.0
		ES	00 60 15.8						5.6	
05	SMY	EP	00 59 47.0				371	300	2.0	
05	NIK	E(P)	00 60 47.0				863	72	1.3	
05	GMA	EP	00 63 0.0				1963	28	-1.5	
.....										
.....										
05	1 3	33.58	50.97 N	178.72 E	DEPTH = 32.5 KM		FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
.....										
05	ASB	IP	01 03 44.1	470.7	.2	4.26	57	40	-0.0	
		IS	01 03 51.8						-0.0	
05	ASD	IP	01 03 45.0				64	43	-0.1	
05	ASC	IP	01 03 45.2				63	30	.2	
05	AND	IP	01 03 45.5				68	14	-0.1	
05	ANA	IP	01 03 46.4				73	357	.0	
.....										
.....										
05	1 18	59.80	51.25 N	178.95 E	DEPTH = 46.0 KM	MB = 4.4	TELESEISMIC SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
.....										
05	ACE	IP	01 19 7.2				23	43	-0.6	
05	ASB	IP D	01 19 7.3				24	60	-0.6	
		IS	01 19 14.8						.9	
05	ACD	IP	01 19 7.6				24	33	-0.3	
05	ACE	IP	01 19 7.8				26	23	-0.2	
05	ANA	IP D	01 19 8.0				46	335	-2.0	
05	ASD	IP D	01 19 8.1				31	60	-0.4	
05	ACA	IP	01 19 8.2				28	25	-0.1	
05	ASC	IP D	01 19 8.8				28	33	.6	
05	AND	IP	01 19 9.7				35	1	.9	
05	RAT	IP D	01 19 12.6				75	325	-0.7	
05	SSI	IP D	01 19 16.3				84	32	1.9	
05	AMA	IP	01 19 21.4				135	87	.6	
05	ADK	IP D	01 19 44.1				310	75	1.8	4.6ML D 3.0
		ES	01 20 19.0						5.6	
05	SMY	EP	01 19 52.1				371	298	2.3	

JAN 1972	STA	PHASE	TIME (GNT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
05	GMA	EP	01 23 4.1				1951	28	-7	
.....										
05	1 20 49.40		51.09 N 178.69 E	DEPTH = 42.0 KM MB = 4.3			TELESEISMIC SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
05	ASB	IP	01 20 58.6				49	52	-1.1	
		ES	01 21 6.7						-5	
05	ASD	IP	01 20 59.2				56	54	-1.4	
05	ASC	IP	01 20 59.3				53	39	-9	
05	AND	IP	01 21 0.0				56	19	-5	
05	ANA	IP	01 21 1.0				60	358	.0	
05	RAT	IP D	01 21 3.8				83	343	-3	
05	SSI	IP D	01 21 7.6				109	35	-2	
05	AMA	IP	01 21 14.6				155	81	-0	
05	ADK	EP	01 21 35.6				333	73	-5.6	4.5ML D 3.0
		ES	01 22 11.1						-7.9	
.....										
05	1 31 34.72		50.95 N 178.67 E	DEPTH = 25.0 KM			FIXED DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
05	ASB	IP D	01 31 45.3	679.9	.2	4.43	61	41	-1	
		IS	01 31 52.9						-3	
05	ACE	IP	01 31 45.3				61	35	-2	
05	ACD	IP	01 31 45.7				62	31	.1	
05	ACB	IP	01 31 45.9				64	27	.0	
05	ASD	IP D	01 31 46.1				68	44	-3	
05	ASC	IP C	01 31 46.2				67	31	-1	
05	ACA	IP	01 31 46.3				67	28	.0	
05	AND	IP D	01 31 46.9				71	16	.0	
05	ACF	IP	01 31 46.9				68	19	.5	
05	ANA	IP	01 31 47.9				75	360	.4	
05	RAT	IP D	01 31 50.6				97	346	-2	
05	SSI	IP D	01 31 54.5				123	31	-1	
05	ADK	EP	01 32 22.1				339	70	-2	
		ES	01 32 57.8						.8	
.....										
05	2 30 6.70		50.97 N 178.79 E	DEPTH = 38.8 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
05	ASB	IP	02 30 17.3	20.2	.1	3.20	54	36	-0	
		IS	02 30 25.1						.0	
05	ASD	IP	02 30 18.2	14.3	.1	3.08	61	39	-0	
05	ASC	EP	02 30 18.4				61	26	.2	
05	AND	IP	02 30 18.9				67	10	-1	
05	ANA	IP	02 30 20.0				74	353	.1	
.....										
05	ADK	EP	04 01 58.3							
		ES	04 02 17.1							
.....										
05	4 10 43.44		51.82 N 178.90 W	DEPTH = 25.0 KM			FIXED DEPTH SOLUTION			
DELAROF ISLANDS, ALEUTIAN ISLANDS										
05	ASD	IP	04 11 4.0	7.8	.1	3.07	131	249	-6	
05	ASB	IP	04 11 6.2	11.0	.1	3.24	138	249	.5	
		ES	04 11 21.5						-3	
05	ASC	IP	04 11 6.4				140	254	.5	
05	ADK	EP	04 11 7.3				152	86	-5	
		ES	04 11 26.2						.6	
05	AND	IP	04 11 7.5				151	260	-1	
.....										

JAN 1972	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
05	9 40	4.13	51.45 N 178.84 E	DEPTH = 40.4 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
05	AND	IP	09 40 11.1				15	32	.1	
05	ACB	IP	09 40 11.3				18	84	.1	
05	ANA	IP	09 40 11.5				23	329	-.1	
05	ACD	IP	09 40 11.6				21	96	.2	
05	ACE	IP	09 40 11.6				24	102	-.0	
05	ASC	IP	09 40 11.7				23	86	.1	
05	ASB	IP	09 40 12.1				30	109	-.1	
		IS	09 40 17.9						-.2	
05	ASD	IP	09 40 12.7				36	100	-.0	
05	SSI	IP	09 40 17.2	39.9	.1	3.58	72	46	-.0	
.....										
05	ACB	EP	13 04 36.7							
05	ACA	EP	13 04 37.0							
.....										
05	13 20	54.12	51.12 N 180.00 E	DEPTH = 37.1 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
05	ASD	IP D	13 21 4.6	49.8	.1	3.59	55	303	-.1	
05	ASB	IP	13 21 5.2	36.9	.1	3.48	59	297	-.0	
		IS	13 21 13.3						-.0	
05	ASC	IP C	13 21 6.9				69	303	.2	
05	AND	IP	13 21 9.2				88	304	-.1	
05	SSI	IP D	13 21 9.6	79.8	.1	3.95	90	342	-.0	
05	ANA	IP	13 21 12.0				109	301	-.2	
05	RAT	EP	13 21 16.0				138	304	.2	
.....										
05	ADK	EP	14 41 .2							
		ES	14 41 6.8							
05	ADK	EP	15 21 28.6							
		ES	15 21 36.5							
05	ADK	EP	15 23 27.4							
		ES	15 23 34.9							
05	ADK	EP	17 56 33.3							
		ES	17 56 45.7							
.....										
06	0 30	17.20	4.58 S 151.84 E	DEPTH = 160.0 KM MB = 5.9			TELESEISMIC SOLUTION			
NEW BRITAIN REGION										
06	ADK	EP	00 40 25.0				6928	21		
.....										
06	ADK	EP	01 41 36.8							
		ES	01 41 48.2							
06	ADK	EP	01 51 28.8							
		ES	01 51 42.8							
06	ADK	EP	02 19 44.7							
		ES	02 19 55.3							
06	ADK	EP	12 47 52.5							
		ES	12 48 3.9							
06	ADK	EP	13 01 50.6							
		ES	13 02 5.2							

JAN 1972	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
06	13 4	26.41	50.98 N 179.03 E	DEPTH =		0.0 KM	FIXED DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
06	ASB	IP	13 04 35.0	40.0	.1	3.35	46	19	.3	
		IS	13 04 40.7						-.0	
06	ASD	IP	13 04 35.4	13.3	.1	2.92	51	25	-.3	
06	ASC	IP	13 04 36.6				55	10	.2	
06	AND	IP	13 04 38.2				66	355	-.1	
06	ADK	EP	15 08 47.5							
		ES	15 09 2.4							
06	ADK	EP	16 51 30.4							
		ES	16 51 41.9							
06	ADK	EP	17 01 14.0							
		ES	17 01 28.5							
06	17 26	22.39	51.00 N 178.66 E	DEPTH =		20.6 KM	MB = 4.0		FREE DEPTH SOLUTION	
RAT ISLANDS, ALEUTIAN ISLANDS										
06	ACE	IP	17 26 32.3				58	38	-.2	
06	ASB	IP D	17 26 32.4	1255.2	.2	4.66	58	45	-.1	
		IS	17 26 39.5						-.3	
06	ACD	IP	17 26 32.6				59	34	-.0	
06	ACB	IP	17 26 32.9				60	30	.1	
06	ASD	IP D	17 26 33.2				65	47	-.3	
06	ASC	IP C	17 26 33.2				63	34	-.0	
06	ACA	IP	17 26 33.3				63	31	.1	
06	AND	IP D	17 26 33.7				66	18	-.1	
06	ACF	IP	17 26 33.8				64	21	.5	
06	ANA	IP D	17 26 34.5				70	0	.1	
06	RAT	IP D	17 26 37.2				92	346	-.5	
06	SSI	IP D	17 26 41.4				119	33	-.3	
06	AMA	EP	17 26 48.2				159	77	.4	
06	ADK	EP	17 27 10.3				338	71	.1	
		ES	17 27 45.7						.6	
06	23 18	10.98	50.90 N 178.71 E	DEPTH =		29.7 KM	FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
06	ASB	IP D	23 18 22.3	204.5	.2	3.93	63	36	.0	
		IS	23 18 30.4						-.1	
06	ASD	IP	23 18 23.1	48.3	.1	3.63	70	39	-.1	
06	ASC	IP C	23 18 23.3				70	27	.1	
06	AND	IP	23 18 24.0				75	13	-.0	
06	ANA	IP	23 18 25.1				81	357	.3	
06	RAT	IP	23 18 27.9				103	345	-.2	
06	SSI	EP	23 18 31.5	57.6	.1	3.92	126	29	.0	
06	23 19	5.89	50.89 N 178.75 E	DEPTH =		29.2 KM	FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
06	ASB	IP	23 19 17.1	110.8	.1	3.96	63	34	-.0	
		ES	23 19 25.3						.0	
06	ASD	IP	23 19 18.0	53.6	.1	3.68	70	37	-.0	
06	ASC	IP	23 19 18.3				70	24	.2	

JAN 1972	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
07	0 44	52.05	51.87 N 179.86 E	DEPTH = 68.1 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
.....										
07	ASD	IP	00 45 5.6	22.7	.1	3.39	64	214	-.0	
07	ASC	IP	00 45 5.9				66	227	.1	
07	ASB	IP	00 45 6.2	31.9	.1	3.56	71	217	-.0	
		IS	00 45 16.6						-.0	
07	AND	IP	00 45 6.2				71	242	-.1	
07	ANA	IP	00 45 8.0				87	253	.0	
.....										
07	3 33	4.05	51.09 N 179.38 E	DEPTH = 30.5 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
.....										
07	ASB	IP	03 33 11.2	22.8	.1	3.09	32	344	.0	
		ES	03 33 16.4						-.0	
07	ASD	IP D	03 33 11.4	25.5	.1	3.15	34	356	-.1	
07	ASC	IP	03 33 12.9				44	341	.1	
07	AND	IP	03 33 14.9				60	331	-.1	
.....										
07	6 25	48.40	2.13 S 138.98 E	DEPTH = 33.0 KM			TELESEISMIC SOLUTION			
NEAR N. COAST OF WEST NEW GUINEA										
.....										
07	ADK	EP	06 36 36.6				7288	28		
.....										
07	ADK	EP	07 16 23.6							
		ES	07 16 38.1							
07	ADK	EP	07 23 38.5							
		ES	07 23 53.5							
07	ADK	EP	07 27 51.2							
		ES	07 28 5.8							
07	ADK	EP	11 30 15.1							
		ES	11 30 37.9							
.....										
07	12 10	55.48	51.77 N 179.28 E	DEPTH = 89.1 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
.....										
07	SSI	IP	12 11 8.5				25	58	.0	
07	AND	IP	12 11 8.7				33	224	-.1	
07	ASC	IP	12 11 8.9				36	193	-.1	
07	ACA	IP	12 11 9.0				34	199	.1	
07	ACB	IP	12 11 9.1				37	201	.1	
07	ASD	IP D	12 11 9.3				43	175	-.1	
07	ACD	IP	12 11 9.3				40	195	.1	
07	ACE	IP	12 11 9.3				42	191	-.0	
07	ASB	IP D	12 11 9.5	209.2	.1	4.38	46	183	-.1	
		IS	12 11 19.8						-.0	
07	ANA	IP	12 11 9.7				46	249	.1	
07	RAT	IP	12 11 10.9				66	273	-.1	
07	AMA	IP	12 11 16.6				124	115	.0	
07	ADK	EP	12 11 34.4				278	86	-.2	
		ES	12 12 4.0						.8	
.....										
07	ADK	EP	12 44 37.4							
		ES	12 44 46.9							
07	ADK	IP	12 48 32.5							
		ES	12 48 43.9							
07	AMA	I(P)	12 48 48.1							

JAN 1972	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
07	SSI	IP	12 49 1.3							
07	ASD	EP	12 49 1.6							REGIONAL
07	ASB	EP	12 49 3.0							
07	ASC	EP	12 49 3.8							
07	AND	EP	12 49 6.1							

.....
 . 07 16 3 37.13 51.66 N 179.52 E DEPTH = 99.4 KM FREE DEPTH SOLUTION
 . RAT ISLANDS, ALEUTIAN ISLANDS
 .
 . 07 ASD EP 16 03 51.5 8.8 .1 3.02 32 203 -.2
 . 07 ASB IP 16 03 51.9 38 210 -.0
 . IS 16 04 2.7 -.0
 . 07 AND IP 16 03 51.9 41 255 -.2
 . 07 ASC IP 16 03 52.0 33 229 .3
 . 07 ANA IP 16 03 53.2 60 267 -.0

.....
 . 07 17 34 6.78 51.19 N 179.67 E DEPTH = 33.2 KM FREE DEPTH SOLUTION
 . RAT ISLANDS, ALEUTIAN ISLANDS
 .
 . 07 ASD IP 17 34 14.2 19.9 .1 3.05 32 315 -.1
 . 07 ASB IP 17 34 14.6 7.1 .1 2.62 35 304 -.0
 . IS 17 34 20.3 -.0
 . 07 ASC IP 17 34 16.2 47 312 .2
 . 07 AND IP 17 34 18.4 65 310 -.1

07 ADK EP 18 34 33.7
 ES 18 34 44.4

07 ADK IP 18 42 38.2
 ES 18 42 52.4

07 ADK EP 18 58 27.5

07 ADK EP 19 26 20.0
 ES 19 26 29.8

.....
 . 07 20 22 25.30 51.03 N 175.75 W DEPTH = 37.0 KM MB = 4.2 TELESEISMIC SOLUTION
 . ANDREANOF ISLANDS, ALEUTIANS ISLANDS
 .
 . 07 ADK IP 20 22 43.5 115 326 -.7 4.1ML D 0.8
 . ES 20 22 54.8 -3.1
 . 07 AMA EP 20 22 58.9 236 278 -.3
 . 07 SSI IP 20 23 12.5 337 288 .9
 . 07 ASD EP 20 23 12.8 345 279 .3 REGIONAL
 . 07 ASB EP 20 23 14.0 351 278 .7
 . 07 ASC EP 20 23 14.8 358 280 .7
 . 07 AND EP 20 23 17.2 373 281 1.1
 . 07 NIK EP 20 23 35.2 520 63 1.1

07 ADK EP 20 27 39.8
 ES 20 27 54.4

.....
 . 07 20 41 43.54 51.60 N 179.50 E DEPTH = 87.8 KM FREE DEPTH SOLUTION
 . RAT ISLANDS, ALEUTIAN ISLANDS
 .
 . 07 ASD IP 20 41 56.4 5.6 .1 2.77 26 206 -.0
 . 07 ASC IP 20 41 56.6 28 238 .1
 . 07 ASB EP 20 41 56.7 9.0 .1 2.98 32 214 -.0
 . ES 20 42 6.3 -.0
 . 07 AND IP 20 41 57.0 38 264 -.0

JAN 1972	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
07	ADK	EP	20 45 56.0							
		ES	20 46 4.6							
.....										
08	4 13	9.31	51.59 N 178.39 E	DEPTH = 74.3 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
08	ANA	IP	04 13 20.4				19	77	.0	
08	RAT	IP D	04 13 20.5				24	349	-.0	
08	ACF	IP	04 13 21.5				42	99	-.1	
08	ACB	IP	04 13 22.3				50	106	.1	
08	ACA	IP	04 13 22.4				52	103	.1	
08	ACD	IP	04 13 22.6				54	109	.1	
08	ASC	IP	04 13 22.7				55	104	.1	
08	ACE	IP	04 13 22.7				58	111	-.1	
08	ASB	IP	04 13 23.3	38.7	.1	3.64	64	113	-.1	
		IS	04 13 33.6						-.1	
08	ASD	IP D	04 13 23.8	158.8	.2	3.97	69	108	-.0	
08	SSI	IP D	04 13 25.8				89	67	-.0	
.....										
08	ADK	EP	05 34 42.8							
		ES	05 34 57.5							
.....										
08	5 27	52.90	20.87 N 120.21 E	DEPTH = 33.0 KM			MB = 6.2 MS = 6.3 TELESEISMIC SOLUTION			
PHILIPPINE ISLANDS REGION										
08	ADK	EP	05 37 38.8				6372	41		
.....										
08	14 45	26.30	51.26 N 179.44 W	DEPTH = 37.3 KM			FREE DEPTH SOLUTION			
DELAROF ISLANDS, ALEUTIAN ISLANDS										
08	AMA	IP	14 45 33.4				24	82	.0	
08	ASD	EP	14 45 41.1	2.4	.1	2.41	86	280	-.1	
		ES	14 45 52.0						.0	
08	SSI	IP	14 45 42.8	7.8	.1	2.97	97	317	-.0	
08	ASC	EP	14 45 43.2				99	284	.1	
08	AND	EP	14 45 45.3				116	287	.0	
.....										
08	16 29	43.76	50.98 N 178.70 E	DEPTH = 31.4 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
08	ACE	IP	16 29 54.3				58	35	-.0	
08	ASB	IP	16 29 54.4	29.6	.1	3.36	57	42	.1	
		ES	16 30 2.0						.0	
08	ACD	IP	16 29 54.5				59	31	-.0	
08	ACC	IP	16 29 54.7				61	23	-.2	
08	ACB	IP	16 29 54.8				61	27	.0	
08	ASC	IP	16 29 55.1				63	31	-.0	
08	ASD	IP C	16 29 55.2	26.9	.1	3.36	64	44	-.1	
08	ACA	IP	16 29 55.2				63	27	.1	
08	AND	IP	16 29 55.6				68	15	-.1	
08	ACF	IP	16 29 55.6				64	19	.3	
08	ANA	IP	16 29 56.3				72	358	-.1	
08	RAT	EP	16 29 59.8				95	344	.1	
08	SSI	IP	16 30 3.3				119	31	.0	
.....										

JAN 1972	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
08	17 32	20.36	51.03 N 179.22 E	DEPTH = 25.0 KM		FIXED DEPTH SOLUTION				
RAT ISLANDS, ALEUTIAN ISLANDS										
08	ASB	IP	17 32 27.9	8.6	.1	2.68	37	3	.2	
		IS	17 32 33.1						.0	
08	ASD	IP	17 32 28.2	5.2	.1	2.49	41	12	-.1	
08	ASC	IP	17 32 29.2				49	355	-.1	
.....										
08	17 42	22.34	50.98 N 178.98 E	DEPTH = 0.0 KM		FIXED DEPTH SOLUTION				
RAT ISLANDS, ALEUTIAN ISLANDS										
08	ASB	IP D	17 42 31.0	22.8	.1	3.12	47	24	.2	
		ES	17 42 36.9						-.1	
08	ASD	IP	17 42 31.3	11.3	.1	2.86	53	29	-.6	
08	ACF	IP	17 42 31.7				61	1	-1.7	
08	ACD	IP	17 42 32.2				51	12	.5	
08	ASC	IP	17 42 32.6				56	13	.2	
08	ACB	IP	17 42 32.7				55	8	.4	
08	ACA	IP	17 42 33.1				57	10	.4	
08	AND	IP	17 42 34.4				65	358	.2	
.....										
08	18 48	24.80	51.01 N 178.70 E	DEPTH = 38.7 KM		FREE DEPTH SOLUTION				
RAT ISLANDS, ALEUTIAN ISLANDS										
08	ASB	IP	18 48 35.6				55	44	.0	
		ES	18 48 43.4						-.0	
08	ASD	IP	18 48 36.4	14.1	.1	3.09	62	46	-.1	
08	ASC	IP	18 48 36.4				60	33	.1	
08	AND	IP	18 48 36.8				64	16	-.0	
08	ANA	IP	18 48 37.4				69	358	-.0	
.....										
08	ASB	IP	18 52 38.6							
		ES	18 52 54.7							
08	ASD	IP	18 52 39.2	6.3	.1	3.02				
08	ASC	IP	18 52 39.7							
08	ADK	EP	22 31 37.7							
		ES	22 31 44.7							
09	ADK	EP	01 13 4.1							
		ES	01 13 12.2							
09	AMA	IP	01 31 44.8	62.7	.1	3.29				
		IS	01 31 47.4							
09	ASD	EP	01 31 58.0	3.1	.1	2.59				
09	ASB	IP	01 31 59.2	5.6	.1	2.88				
		ES	01 32 12.3							
09	ASC	IP	01 32 .2							
09	AND	EP	01 32 2.4							
.....										
09	2 7	21.16	51.36 N 179.78 W	DEPTH = 25.0 KM		FIXED DEPTH SOLUTION				
DELAROF ISLANDS, ALEUTIAN ISLANDS										
09	ASD	EP	02 07 31.8	2.2	.1	2.25	61	274	-.1	
09	ASB	EP	02 07 32.9	1.7	.1	2.16	68	271	.0	
		ES	02 07 41.4						-.0	
09	SSI	IP	02 07 33.8	6.8	.1	2.80	74	324	-.0	
09	ASC	EP	02 07 34.0				74	280	.1	
.....										
09	ADK	EP	02 23 23.5							
		ES	02 23 32.1							

JAN 1972	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
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09	2 25	41.77	51.18 N 178.88 E	DEPTH = 54.9 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
09	ACR	IP	02 25 51.6				35	25	-0.0	
09	ACC	IP	02 25 51.7				36	18	-0.0	
09	ASC	EP	02 25 51.9				38	32	.1	
09	ASD	EP	02 25 52.0	2.8	.1	2.35	40	53	-0.0	
09	AND	EP	02 25 52.3				43	7	-0.0	
		ES	02 26 0.0						-0.0	

09	3 22	5.07	51.57 N 178.59 E	DEPTH = 48.3 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
09	AND	EP	03 22 13.5				25	91	-0.0	
09	ASC	EP	03 22 15.0				42	106	.1	
09	ASB	EP	03 22 15.9				51	116	-0.0	
09	ASD	EP	03 22 16.4	2.1	.1	2.26	56	110	-0.0	
		ES	03 22 24.7						-0.0	

09	3 41	5.98	51.63 N 178.38 E	DEPTH = 74.0 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
09	ANA	IP	03 41 17.0				19	91	-0.0	
09	RAT	EP	03 41 17.0				19	349	-0.0	
09	AND	IP	03 41 18.1				40	100	.0	
		ES	03 41 26.9						-0.0	
09	ASC	IP	03 41 19.5				57	109	.1	
09	ASD	IP	03 41 20.6	2.1	.1	2.39	71	111	-0.1	

09	4 12	18.03	50.99 N 179.27 E	DEPTH = 25.0 KM			FIXED DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
09	ASB	IP	04 12 26.0	15.0	.1	2.95	41	358	.1	
		ES	04 12 31.7						-0.0	
09	ASD	IP	04 12 26.3	6.3	.1	2.60	45	7	-0.1	
09	ACE	EP	04 12 26.7				46	352	.1	
09	ACD	IP	04 12 27.2				50	349	.1	
09	ASC	IP	04 12 27.7				53	352	.1	
09	ACB	EP	04 12 27.7				54	347	-0.0	
09	ACA	EP	04 12 28.0				56	349	.0	
09	AND	IP	04 12 29.5				67	341	-0.2	

09	4 21	27.44	50.95 N 179.22 E	DEPTH = 25.0 KM			FIXED DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
09	ASB	IP	04 21 36.0	10.7	.1	2.83	45	2	.1	
		ES	04 21 42.0						-0.1	
09	ASD	IP	04 21 36.3	4.5	.1	2.48	49	10	-0.2	
09	ASC	EP	04 21 37.6				57	356	.0	
09	AND	EP	04 21 39.4				70	345	-0.1	

09	4 52	38.01	50.34 N 178.19 E	DEPTH = 0.0 KM			FIXED DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
09	ASD	IP	04 53 2.0	4.8	.1	2.88	143	34	-0.0	
		ES	04 53 19.5						.0	
09	ASC	EP	04 53 2.3				143	28	.2	

JAN 1972	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
. 09	AND	IP	04 53 2.5				147	21	-.1	
. 09	ANA	IP	04 53 2.8				147	13	.1	
. 09	SSI	IP	04 53 10.4				199	29	-.1	
.....										
. 09	7 59	4.45	51.10 N 178.75 E	DEPTH = 25.8 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
. 09	ASB	IP D	07 59 12.9	8.8	.1	2.74	45	50	-.1	
		IS	07 59 18.8						-.4	
. 09	ACE	IP	07 59 12.9				44	42	.0	
. 09	ACD	IP	07 59 13.1				45	37	.1	
. 09	ACB	IP	07 59 13.3				47	31	.1	
. 09	ACC	IP	07 59 13.4				47	26	.1	
. 09	ASC	IP D	07 59 13.7				50	36	.1	
. 09	ACA	IP	07 59 13.7				49	31	.1	
. 09	ASD	IP D	07 59 13.8				52	52	-.2	
. 09	AND	IP D	07 59 14.2				53	16	.1	
. 09	ANA	IP C	07 59 15.1				59	354	.2	
. 09	RAT	IP	07 59 18.0				83	340	-.4	
. 09	SSI	IP	07 59 21.8				106	33	-.0	
.....										
. 09	8 50	10.97	50.97 N 179.04 E	DEPTH = 0.0 KM			FIXED DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
. 09	ASB	IP	08 50 19.7	9.2	.1	2.72	46	18	.3	
		ES	08 50 25.5						-.1	
. 09	ASD	IP	08 50 20.1	4.1	.1	2.41	52	24	-.3	
. 09	ASC	EP	08 50 21.2				56	9	.0	
. 09	AND	EP	08 50 23.0				67	355	-.1	
.....										
. 09	RAT	IP	10 59 35.3	12.6	.1					
. 09	ANA	EP	10 59 38.8							
		ES	10 59 49.0							
. 09	AND	EP	10 59 40.5							
. 09	ASC	EP	10 59 43.2							
. 09	ASB	EP	10 59 43.9	1.9	.1					
. 09	ASD	EP	10 59 44.8	1.0	.1					
.....										
. 09	11 9	59.11	51.57 N 178.81 E	DEPTH = 19.9 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
. 09	AND	IP	11 10 2.8				10	96	-.1	
. 09	ANA	EP	11 10 3.0				12	301	-.0	
. 09	ACC	IP	11 10 3.8				19	121	.0	
. 09	ACB	IP	11 10 4.3				23	121	.0	
. 09	ACA	IP	11 10 4.4				24	115	.0	
. 09	ASC	EP	11 10 5.0				28	116	.1	
. 09	ACD	IP	11 10 5.1				28	125	.2	
. 09	ASB	IP	11 10 6.2	2.6	.1	2.14	39	127	-.2	
		ES	11 10 11.5						-.2	
. 09	ASD	EP	11 10 6.8	3.6	.1	2.32	42	118	-.1	
. 09	SSI	EP	11 10 10.2				65	56	-.0	
.....										
. 09	14 29	16.49	51.21 N 179.90 E	DEPTH = 25.0 KM			FIXED DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
. 09	ASD	IP	14 29 24.7	2.0	.1	2.08	44	298	-.1	
. 09	ASB	EP	14 29 25.5	2.8	.1	2.27	49	291	.0	
		ES	14 29 32.0						-.0	
. 09	ASC	EP	14 29 27.0				59	299	.1	

JAN 1972	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
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09	ADK	EP	14 50 40.8							
		ES	14 50 48.0							

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09	15 10 25.30	50.38 N 177.84 E	DEPTH = 14.1 KM	FREE DEPTH SOLUTION						
RAT ISLANDS, ALEUTIAN ISLANDS										

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09	ASB	EP	15 10 48.7	6.0	.1	2.99	147	42	-.0	
09	ACE	EP	15 10 48.7				147	39	-.0	
09	ACC	EP	15 10 48.9				149	34	-.1	
09	ACB	IP	15 10 49.0				149	36	-.0	
09	ACD	EP	15 10 49.1				147	38	.3	
09	ANA	EP	15 10 49.3				150	22	.1	
09	ASC	IP C	15 10 49.5				152	37	.0	
09	AND	IP C	15 10 49.5				152	30	-.1	
09	ACA	EP	15 10 49.5				151	36	.1	
09	ACF	EP	15 10 49.5				151	32	.2	
09	ASD	IP	15 10 49.6	9.8	.1	3.22	154	43	-.2	
		ES	15 11 7.6						-.0	
09	RAT	EP	15 10 50.8	6.3	.1	3.05	161	12	-.1	
09	SSI	IP	15 10 57.6	26.6	.1		207	35	-.0	

.....

09	ADK	EP	22 07 17.8							
		ES	22 08 12.6							

09	AMA	EP	22 09 9.5	64.9	.1					
09	ADK	IP	22 09 12.7							
		ES	22 09 25.3							
09	ASD	EP	22 09 24.0	10.6	.1					
09	SSI	EP	22 09 24.0							
09	ASB	EP	22 09 25.5	19.2	.2					
		ES	22 09 49.5							
09	ASC	EP	22 09 26.6							
09	AND	EP	22 09 28.7							
09	ANA	EP	22 09 32.1							
09	RAT	EP	22 09 34.3							

.....

09	22 22 28.26	51.85 N 178.59 W	DEPTH = 135.5 KM	FREE DEPTH SOLUTION						
DELAROF ISLANDS, ALEUTIAN ISLANDS										

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09	AMA	EP	22 22 48.9	3.8	.1	2.81	72	210	.0	
		IS	22 23 3.9						-.0	
09	ASD	EP	22 22 55.5	1.7	.1	2.57	152	251	.1	
		ES	22 23 15.3						.0	
09	ASB	EP	22 22 56.1	2.8	.1	2.80	159	251	-.1	
09	ASC	EP	22 22 56.3				161	256	-.0	

.....

09	ADK	IP	22 51 49.4							
		ES	22 52 1.1							
09	AMA	IP C	22 52 10.5	15.2	.1					
09	ASD	EP	22 52 23.5							
		ES	22 53 8.8							
09	ASB	EP	22 52 24.7							
09	ASC	EP	22 52 25.2							
09	AND	EP	22 52 26.2							

10	ADK	EP	02 50 52.6							
		ES	02 51 19.1							
10	AMA	IP	02 51 8.8	41.1	.1					
10	SSI	EP	02 51 15.7							
10	ASD	EP	02 51 18.6							
		ES	02 52 5.3							
10	ASB	EP	02 51 19.2	8.5	.1					
10	ASC	EP	02 51 19.6							
10	AND	EP	02 51 20.7							

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JAN 1972	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
10	ADK	EP	04 45 19.2							
		ES	04 45 31.4							
10	ADK	IP	04 46 15.0							
		ES	04 46 24.5							
10	7 12 20.29		51.11 N 179.47 W			DEPTH = 0.0 KM				FIXED DEPTH SOLUTION
			DELAROF ISLANDS, ALEUTIAN ISLANDS							
10	AMA	IP D	07 12 26.0				32	52	-.1	
		IS	07 12 30.5						.2	
10	ASD	EP	07 12 36.1	6.2	.1	2.80	89	291	-.0	
		ES	07 12 47.7						.0	
10	ASB	EP	07 12 36.7	3.6	.1	2.59	94	288	-.2	
10	ASC	EP	07 12 38.2				103	293	-.1	
10	SSI	IP	07 12 39.0	22.2	.1	3.44	109	323	-.2	
10	AND	EP	07 12 40.8				121	295	-.2	
10	ANA	EP	07 12 45.0				142	294	.8	
10	9 57 38.30		17.91 N 145.33 E			DEPTH = 350.0 KM			MB = 5.0	TELESEISMIC SOLUTION
			MARIANA ISLANDS							
10	ANA	EP	10 05 5.2				4749	30		
10	AND	EP	10 05 5.9				4760	31		
10	ASB	EP	10 05 6.1				4762	31		
10	ASC	EP	10 05 6.3				4764	31		
10	ASD	EP	10 05 6.5	26.7	.3		4769	31		TELESEISMIC
10	ADK	EP	10 05 23.9	78.1	.5		5023	33		
10	ADK	EP	12 49 31.5							
		ES	12 49 33.9							
10	ADK	EP	14 09 51.2							
		ES	14 10 1.4							
10	14 57 34.36		49.87 N 178.70 E			DEPTH = 75.0 KM				FIXED DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
10	ASB	EP	14 58 .2	6.4	.1	3.11	170	13	.0	
		ES	14 58 19.0						-.0	
10	ASD	EP	14 58 .7	2.2	.1	2.67	175	15	-.1	
10	ASC	EP	14 58 1.4				180	10	.0	
10	AND	EP	14 58 2.4				189	5	-.0	
10	16 21 .86		51.65 N 179.70 E			DEPTH = 75.0 KM				FIXED DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
10	ASD	EP	16 21 13.0	2.2	.1	2.34	38	221	.1	
		ES	16 21 21.8						.1	
10	ASB	EP	16 21 13.2	2.3	.1	2.37	45	225	-.2	
10	ASC	EP	16 21 13.3				43	241	.1	
10	ACD	EP	16 21 13.4				46	238	-.1	
10	ACB	EP	16 21 13.5				47	244	-.1	
10	ACA	EP	16 21 13.6				44	246	.2	
10	AND	EP	16 21 13.8				53	260	-.2	
10	ACC	EP	16 21 13.9				49	249	.2	

JAN 1972	STA	PHASE	TIME (GHT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
10	16 21	54.94	51.07 N 179.45 W	DEPTH = 28.6 KM			FREE DEPTH SOLUTION			
DEAROF ISLANDS, ALEUTIAN ISLANDS										
10	AMA	IP	16 22 2.2	36.0	.2	2.99	34	44	.0	
10	ASD	EP	16 22 10.2	2.4	.1	2.42	92	293	-.1	
		ES	16 22 21.5						.0	
10	ASB	EP	16 22 11.0	2.3	.1	2.42	96	290	-.0	
10	ASC	EP	16 22 12.5				106	295	.1	
10	SSI	EP	16 22 13.5				113	324	-.0	
10	AND	EP	16 22 15.2				124	297	.1	
.....										
10	ADK	EP	18 18 26.4							
		ES	18 18 47.8							
10	ANA	EP	19 41 58.8							
10	AND	EP	19 42 .4							
10	ASC	EP	19 42 2.4							
10	ASB	EP	19 42 3.2							
		ES	19 42 32.0							
10	SSI	EP	19 42 8.0	17.7	.1					
10	AMA	IP	22 24 32.3	30.3	.1					
10	ASD	EP	22 24 40.1	5.0	.1	2.76				
10	ASB	EP	22 24 40.9	4.7	.1	2.75				
		ES	22 24 52.5							
10	ASC	EP	22 24 42.0							
10	SSI	EP	22 24 43.1							
10	AND	EP	22 24 45.1							
10	ADK	EP	22 24 58.8							
		ES	22 25 21.6							
.....										
11	4 50	19.59	51.41 N 178.79 E	DEPTH = 44.0 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
11	AND	IPGC	04 50 27.1				21	34	-.2	
11	ACF	EPG	04 50 27.2				20	47	-.0	
		ES	04 50 32.9						.1	
11	ACC	EPG	04 50 27.3				20	64	.1	
11	ACB	IPG	04 50 27.5				22	73	.1	
11	ANA	IPG	04 50 27.6				26	341	-.1	
11	ACA	EPG	04 50 27.6				25	70	.0	
11	ACD	IPG	04 50 27.7				24	84	.2	
11	ACE	IPG	04 50 27.7				27	91	-.0	
11	ASC	IPG	04 50 27.8				27	76	.0	
11	ASB	EPG	04 50 28.2	5.2	.1	2.53	32	99	-.0	
		ES	04 50 34.2						-.3	
11	ASD	IPG	04 50 28.8	8.8	.1	2.79	39	92	-.0	
.....										
11	4 51	58.57	51.32 N 178.56 E	DEPTH = 39.1 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
11	ANA	IPGD	04 52 7.0				35	12	-.0	
11	AND	IPGC	04 52 7.3				39	45	-.1	
		IS	04 52 13.8						-.0	
11	ACF	E(P)	04 52 7.4				38	52	.1	
		ES	04 52 13.8						.1	
11	ASC	EPG	04 52 7.6				45	69	-.5	
11	ACC	EPG	04 52 7.7				39	61	.3	
11	ACB	EPG	04 52 7.8				41	66	.2	
11	ACE	E(P)	04 52 7.8				44	77	-.2	
		ES	04 52 14.5						-.3	
11	ACD	E(P)	04 52 7.9				42	73	.1	
		ES	04 52 14.8						.3	
11	ASB	E(P)	04 52 8.4	3.0	.1	2.35	48	84	-.1	

JAN 1972	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
11	ASD	E(P)	04 52 9.7	2.8	.1	2.35	55	81	.3	
11	ADK	IP	07 11 28.2							3.4ML D 0.5 SSW
		ES	07 11 35.5							
11	AMA	IP	07 11 45.7	13.0	.1					REGIONAL
		E(S)	07 12 8.6							
11	SSI	E(P)	07 11 55.3							VQP
11	ASD	EP	07 11 59.1	8.4	.2					
11	ASB	EP	07 11 59.2	8.4	.1					
		E(S)	07 12 29.3							
11	ASC	EP	07 12 0.0							
11	AND	EP	07 12 1.2							
11	ADK	EP	07 16 51.9							
		ES	07 16 58.9							
11	ADK	EP	07 27 34.3							
		ES	07 27 41.5							
11	8 39 31.10		51.61 N 179.43 E							DEPTH = 72.2 KM RAT ISLANDS, ALEUTIAN ISLANDS FREE DEPTH SOLUTION
11	ACC	EPG	08 39 42.0				30	242	-.4	
11	ASD	IPG	08 39 42.2	7.6	.1	2.83	25	194	.0	
11	ACA	EPG	08 39 42.2				26	236	.0	
11	ACB	EPG	08 39 42.2				29	235	-.1	
11	ASC	IPG	08 39 42.3				25	228	.2	
11	ACE	EPG	08 39 42.3				30	217	-.1	
11	ASB	IPG	08 39 42.4	7.9	.1	2.86	31	204	-.0	
		ES	08 39 50.9						.2	
11	AND	EPG	08 39 42.4				33	261	-.2	
11	ACD	EPG	08 39 42.4				29	225	.1	
11	SSI	EPG	08 39 42.4	17.3	.1	3.21	33	19	-.2	
		E(S)	08 39 51.1						.2	
11	ACF	EPG	08 39 42.5				32	253	.0	
11	ANA	EPG	08 39 44.5				53	272	.5	
11	AMA	EP	08 39 49.6	30.3	.1	3.64	108	109	.1	
11	ADK	EP	10 28 40.7							
		ES	10 29 6.7							
11	11 24 23.04		51.45 N 178.14 E							DEPTH = 25.0 KM RAT ISLANDS, ALEUTIAN ISLANDS FIXED DEPTH SOLUTION
11	AND	EPG	11 24 33.7				58	77	.4	
		ES	11 24 40.9						.0	
11	ACB	EPG	11 24 34.5				66	88	-.0	
11	ACD	EPG	11 24 34.6				69	91	-.4	
11	ACE	EPG	11 24 34.7				72	94	-.7	
11	ASC	EPG	11 24 34.9				71	88	-.4	
11	ASB	E(P)	11 24 37.6	2.2	.1	2.32	78	97	1.4	
11	ADK	IP	11 54 12.1							
		ES	11 54 19.5							
11	12 43 14.86		51.47 N 177.99 E							DEPTH = 59.9 KM RAT ISLANDS, ALEUTIAN ISLANDS FREE DEPTH SOLUTION
11	ANA	IP D	12 43 26.3				49	69	-.1	
		ES	12 43 35.0						.2	
11	AND	IP	12 43 27.9				67	81	-.2	
		ES	12 43 37.6						-.2	
11	ASC	E(P)	12 43 30.2				81	90	.5	

JAN 1972	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
11	ASB	E(P)	12 43 30.2	2.6	.1	2.50	88	97	-.2	QP
11	ANA	IP D	14 56 40.2							
		E(S)	14 56 53.9							
11	AND	EP	14 56 41.0							
11	ASC	E(P)	14 56 41.3							
11	ASD	E(P)	14 56 43.2	3.6	.1					
11	ADK	EP	16 21 48.3							
		ES	16 21 57.1							
11	16 53	2.24	51.58 N 178.34 E	DEPTH = 65.0 KM				FREE DEPTH SOLUTION		
			RAT ISLANDS, ALEUTIAN ISLANDS							
11	ANA	IPGD	16 53 12.4				23	76	.0	
11	RAT	IP D	16 53 12.5	64.6	.1	3.73	25	358	.0	
		ES	16 53 19.8						-.1	
11	AND	IPGD	16 53 13.7				42	92	.1	
11	ACF	EPG	16 53 13.7				46	97	-.2	
11	ACB	EPG	16 53 14.6				53	103	.1	
11	ACE	EPG	16 53 14.7				61	108	-.5	
11	ACA	EPG	16 53 15.0				55	101	.3	
11	ACD	E(P)	16 53 15.0				58	106	.1	
11	ASC	IPGD	16 53 15.2				58	102	.2	
11	ASB	IPGD	16 53 15.8	25.1	.1	3.43	67	111	-.1	
		IS	16 53 25.9						.1	
11	ASD	IPGD	16 53 16.3	27.3	.1	3.49	72	106	-.1	
		IS	16 53 26.8						.1	
11	SSI	IP D	16 53 18.7	82.0	.1	4.02	93	67	.1	
		IS	16 53 30.4						-.2	
11	18 27	47.35	51.44 N 179.60 W	DEPTH = 50.0 KM				FIXED DEPTH SOLUTION		
			DELAROF ISLANDS, ALEUTIAN ISLANDS							
11	ASD	IP	18 28 .8	9.0	.1	2.97	74	266	-.1	
11	ASB	IP	18 28 1.7	8.4	.1	2.96	81	264	.0	
		ES	18 28 12.1						-.0	
11	ASC	IP	18 28 2.3				86	272	.0	
11	ADK	EP	19 56 .2							
		ES	19 56 7.2							
11	22 13	23.07	51.18 N 179.63 W	DEPTH = 26.9 KM				FREE DEPTH SOLUTION		
			DELAROF ISLANDS, ALEUTIAN ISLANDS							
11	ASD	IP	22 13 36.0	9.9	.1	2.97	76	288	-.0	
11	ASB	EP	22 13 36.8				81	285	-.0	
		IS	22 13 46.8						-.0	
11	ASC	EP	22 13 38.1				90	291	-.0	
12	ADK	EP	01 02 40.7							
		ES	01 02 47.3							
12	1 19	26.11	51.65 N 179.35 E	DEPTH = 19.0 KM				FREE DEPTH SOLUTION		
			RAT ISLANDS, ALEUTIAN ISLANDS							
12	ASD	IPGC	01 19 31.8	9.8	.1	2.62	29	181	-.1	QDIR
		I(S)	01 19 36.2						.1	
12	AND	IPGC	01 19 31.8				29	251	-.2	
12	ACB	EPG	01 19 31.8				27	221	.1	
12	ACF	EPG	01 19 31.8				28	241	-.0	POSS X-FEED

JAN 1972	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
. 12	ACD	EPG	01 19 32.1				28	211	.2	
. 12	ASB	IPG	01 19 32.4	7.3	.1	2.53	33	193	-.1	
.		IS	01 19 37.1						-.0	
. 12	SSI	IPGC	01 19 32.4	26.6	.1	3.09	32	31	.0	
.		ES	01 19 36.9						-.0	
. 12	ANA	IPG	01 19 34.7				48	268	.1	
.....										
12	ANA	IP D	04 35 20.7							LOCAL
12	AND	IP D	04 35 21.0							NO S VISIBLE
.....										
. 12	5 24 43.97	51.21 N 178.50 E DEPTH = 25.0 KM							FIXED DEPTH SOLUTION	
.		RAT ISLANDS, ALEUTIAN ISLANDS								
. 12	ANA	IPGD	05 24 52.7				47	14	-.0	
.		ES	05 24 58.8						-.3	
. 12	AND	IPGD	05 24 53.0				50	39	-.1	
. 12	ACF	EPG	05 24 53.0				49	45	.1	
. 12	ACF	EPG	05 24 53.1				49	56	.1	
. 12	ACE	EPG	05 24 53.3				51	66	.0	
. 12	ACD	EPG	05 24 53.4				50	61	.2	
. 12	ASC	E(P)	05 24 53.7				54	59	.0	QP
. 12	ASP	IPGC	05 24 53.8	1.4	.1	2.00	54	72	.0	
.		IS	05 25 .2						-.7	
. 12	SSI	E(P)	05 25 1.3	35.0	.1	3.64	107	45	-.2	
.		E(S)	05 25 14.9						.7	
.....										
. 12	7 25 59.48	51.58 N 178.81 E DEPTH = 20.2 KM							FREE DEPTH SOLUTION	
.		RAT ISLANDS, ALEUTIAN ISLANDS								
. 12	AND	IPGC	07 26 3.3				10	98	-.0	AND LOCAL
. 12	ACF	IPGD	07 26 3.3				14	113	-.3	
. 12	ANA	IPG	07 26 3.6				12	300	.2	
. 12	ACB	EPG	07 26 4.9				23	122	.2	
. 12	ASC	IPG	07 26 5.4				28	117	.1	
. 12	ACD	EPG	07 26 5.4				28	125	.1	
. 12	ACE	EPG	07 26 5.8				32	127	-.0	
. 12	ASB	IPGC	07 26 6.7	169.4	.1	3.96	39	128	-.1	
.		ES	07 26 12.0						-.1	
. 12	RAT	IP C	07 26 7.0				41	307	-.1	TAMP UNREADABLE
. 12	ASD	IPGC	07 26 7.3	61.9	.1	3.55	42	119	-.0	TAMP ESTIMATED
.		ES	07 26 13.0						-.0	
. 12	SSI	IP D	07 26 10.6	115.3	.1	3.97	64	56	.0	TAMP ESTIMATED
.		IS	07 26 18.6						-.0	
.....										
. 12	9 44 47.43	51.55 N 179.38 E DEPTH = 0.0 KM							FIXED DEPTH SOLUTION	
.		RAT ISLANDS, ALEUTIAN ISLANDS								
. 12	ACE	EPG	09 44 51.1				22	221	-.3	
. 12	ACD	EPG	09 44 51.4				22	232	.0	
.		E(S)	09 44 54.2						-.0	
. 12	ASB	E(P)	09 44 51.7	6.4	.1	2.28	23	204	.1	
.		IS	09 44 54.8						.2	
. 12	ANA	E(P)	09 44 56.7				50	280	.1	
.....										
12	AND	E(P)	12 19 30.1							
12	ANA	EP	12 19 31.9							
12	ASB	E(P)	12 19 37.2	34.8	.2	3.11				
.		ES	12 19 43.9							
12	ACE	EP	12 19 37.4							
12	ASC	E(P)	12 19 37.6							
12	ASD	E(P)	12 19 37.7							
12	ACD	EP	12 19 38.2							

JAN 1972	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
12	ACF	E(P)	12 19 40.2							
12	12 46 19.06		50.91 N 179.04 E	DEPTH = 25.0 KM						FIXED DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
12	ASB	E(P)	12 46 28.6	8.9	.1	2.79	52	16	.1	
		ES	12 46 35.4						.0	
12	ACD	E(P)	12 46 29.2				58	7	-.2	
12	ANA	EP	12 46 33.2				84	342	.0	
12	ASB	E(P)	12 47 1.4	11.0	.1	2.91				
		ES	12 47 8.1							
12	ANA	E(P)	12 47 6.0							
12	12 51 49.70		53.24 N 171.56 E	DEPTH = 33.0 KM						TELESEISMIC SOLUTION
			NEAR ISLANDS, ALEUTIAN ISLANDS							
12	SMY	EP	12 52 16.0				181	107		
12	GMA	E(P)	12 56 2.8				2033	38		
12	13 0 36.23		51.90 N 176.64 E	DEPTH = 50.0 KM						FIXED DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
12	RAT	E(P)	13 00 55.0	68.5	.1	3.39	116	95	.1	QP
		E(S)	13 01 8.1						-.4	
12	ANA	EPN	13 00 58.0				142	102	-.1	
		IPG	13 01 9.8							
		E(S)	13 01 14.7						.7	
12	AND	E(P)	13 01 .6				164	102	-.1	
12	ASB	E(P)	13 01 3.6	21.1	.2	3.35	190	107	-.3	POOR TAMP
		E(S)	13 01 23.8						-.3	
12	ASD	E(P)	13 01 4.9	6.4	.1	3.14	195	106	.4	POOR TAMP
12	ASB	E(P)	14 24 50.9	4.9	.1	2.51				VQP
		IS	14 24 56.9							
12	ACE	EPG	14 24 51.5							
12	ASB	IPG	14 39 14.0	10.3	.1	2.83				
		IS	14 39 20.0							
12	ASD	E(P)	14 39 14.4	5.0	.1	2.54				
12	ACE	EPG	14 39 14.7							
12	ACD	E(P)	14 39 15.1							
12	ASB	IPG	15 29 56.8	18.3	.1	3.08				
		IS	15 30 2.7							
12	ASD	EPG	15 29 57.2	11.1	.1	2.88				
12	ACE	EPG	15 29 57.3							
		ES	15 30 3.5							
12	ACD	EPG	15 29 57.9							
12	ASB	IPGD	15 32 44.3	17.4	.1	3.05				
		IS	15 32 50.2							
12	ACE	IPGD	15 32 44.8							
		ES	15 32 51.1							
12	ASD	E(P)	15 32 44.9	5.7	.1	2.60				POOR TAMP
12	ACD	EPG	15 32 45.3							
12	ACB	EPG	15 32 45.9							
12	AND	E(P)	15 32 47.5							
12	ASB	IPGD	20 39 12.2	24.3	.1	3.21				
		IS	20 39 18.2							
12	ASD	E(P)	20 39 12.6	10.1	.1	2.84				
12	ACE	IPGD	20 39 13.0							

JAN 1972	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
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12	ACD	EPG	20 39 13.3							
12	AND	E(P)	20 39 15.4							

13	0 9 22.95	51.60 N 178.68 E	DEPTH = 77.6 KM	FREE DEPTH SOLUTION						
RAT ISLANDS, ALEUTIAN ISLANDS										
13	ACF	IP	00 09 34.5				23	111	-.0	
		ES	00 09 43.0						-.0	
13	ACC	EP	00 09 34.8				28	117	.0	
13	ACB	EP	00 09 35.0				32	118	.0	
13	ACD	EP	00 09 35.3				37	121	.1	
13	ACE	IP	00 09 35.4				41	123	-.1	

13	2 32 12.70	51.50 N 179.49 E	DEPTH = 66.0 KM	FREE DEPTH SOLUTION						
RAT ISLANDS, ALEUTIAN ISLANDS										
13	ASB	EPG	02 32 22.8	5.3	.1	2.64	23	228	-.1	POOR TAMP
		IS	02 32 30.6						.2	
13	ACD	E(P)	02 32 23.0				26	253	-.1	
13	ACE	E(P)	02 32 23.0				25	244	-.0	
13	ACB	EPG	02 32 23.2				28	262	-.0	
13	AND	EPGD	02 32 23.7				38	281	-.1	
13	ACF	EPG	02 32 23.8				34	275	.2	
13	SSI	E(P)	02 32 24.5	3.9	.1	2.56	44	9	.2	
		ES	02 32 32.6						-.2	
13	ANA	IPGD	02 32 25.6				59	284	-.0	

13	AND	IPGD	03 49 16.2							SMALL AND LOCAL
		E(S)	03 49 19.3							
13	ACF	IPGC	03 49 16.2							
13	ANA	IPG	03 49 16.5							

13	SSI	IPGD	07 43 58.0	19.9	.1	2.93				
		IS	07 44 1.9							
13	ASD	IPG	07 44 1.9	12.3	.1	3.05				
13	ASB	EPG	07 44 2.1	3.5	.1	2.51				
		IS	07 44 10.7							
13	ACE	E(P)	07 44 3.3							VQP
13	AND	EPG	07 44 3.8							
13	ANA	EPG	07 44 6.8							

13	ACE	EPG	08 42 34.2							
13	ACD	EPG	08 42 34.4							
		ES	08 42 39.8							
13	ASB	E(P)	08 42 34.4	3.7	.1	2.32				
		IS	08 42 39.5							

13	AND	IPG	11 53 25.5							V.S.M LOCAL
		IS	11 53 28.3							
13	ANA	EPG	11 53 25.7							

13	15 10 54.89	50.92 N 179.41 E	DEPTH = 25.0 KM	FIXED DEPTH SOLUTION						
RAT ISLANDS, ALEUTIAN ISLANDS										
13	ASB	IPG	15 11 4.1	6.0	.1	2.61	50	347	.0	
		ES	15 11 10.8						-.0	
13	ASD	IPG	15 11 4.3	5.5	.1	2.58	53	355	-.1	
13	ACE	IPG	15 11 4.9				56	343	-.0	
13	ACD	EPG	15 11 5.5				60	341	.1	
13	ACB	EPG	15 11 6.1				64	340	-.0	
13	AND	IPG	15 11 7.8				78	336	-.4	
13	ACF	E(P)	15 11 7.9				74	337	.4	
13	SSI	E(P)	15 11 12.8				109	6	.1	

JAN 1972	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
13	AMA	IP D	16 05 2.8							
13	ASD	EP	16 05 13.4	7.8	.1					
13	ASB	EP	16 05 13.6	6.3	.1					VQS
		E(S)	16 06 11.2							
13	AND	E(P)	16 05 15.9							
13	ANA	E(P)	16 05 17.9							
13	RAT	E(P)	20 14 23.1	27.3	.1	3.51				
		E(S)	20 14 34.4							
13	ANA	EP	20 14 27.2							
		E(S)	20 14 41.3							
13	AND	EP	20 14 30.3							
		E(S)	20 14 45.7							
13	ASB	EP	20 14 35.4	3.2	.1	2.81				
		E(S)	20 14 55.7							
13	ASD	E(P)	20 14 35.7	3.4	.1	2.83				
13	SSI	E(P)	20 14 36.1	12.9	.1	3.42				QTAMP
		E(S)	20 14 56.8							

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13	21 28 35.95	51.43 N 179.56 W	DEPTH = 0.0 KM	FIXED DEPTH SOLUTION						
DELAROF ISLANDS, ALEUTIAN ISLANDS										
13	AMA	IPG	21 28 42.5	7.9	.1	2.55	35	117	.1	
		IS	21 28 47.0						-.0	
13	SSI	E(P)	21 28 49.8	5.6	.1	2.71	78	311	-.3	VTAMP
		IS	21 29 1.1						.6	
13	ASD	EP	21 28 50.0	6.0	.1	2.73	76	267	.2	
13	ASB	EP	21 28 51.0	10.1	.1	2.99	83	265	.0	
		ES	21 29 2.1						.2	
13	AND	E(P)	21 28 54.0				104	279	-.1	
13	ANA	E(P)	21 28 57.0				125	281	-.3	

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14	1 49 27.23	51.51 N 179.36 E	DEPTH = 73.0 KM	FREE DEPTH SOLUTION						
RAT ISLANDS, ALEUTIAN ISLANDS										
14	ASB	E(P)	01 49 37.8	2.5	.1	2.34	18	205	-.3	
		ES	01 49 46.1						.1	
14	ASD	E(P)	01 49 38.1	2.5	.1	2.34	13	184	.2	
		IS	01 49 45.7						-.1	
14	ACD	EP	01 49 38.2				18	239	.1	
14	ACE	EP	01 49 38.2				18	227	.1	
14	AND	EP	01 49 38.4				29	282	-.1	
14	ANA	EP	01 49 40.0				50	285	.1	

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14	2 36 31.60	51.43 N 179.79 W	DEPTH = 59.5 KM	FREE DEPTH SOLUTION						
DELAROF ISLANDS, ALEUTIAN ISLANDS										
14	AMA	IP D	02 36 43.0	9.3	.1	2.93	50	109	-.1	
		ES	02 36 51.8						.3	
14	ASD	EP	02 36 44.0	4.3	.1	2.63	61	266	-.2	
		ES	02 36 53.2						-.1	
14	SSI	IP D	02 36 44.6	31.5	.1	3.51	67	320	-.2	
		IS	02 36 54.6						.1	
14	ASB	EP	02 36 44.7	4.1	.1	2.63	67	264	-.2	
		IS	02 36 54.6						.0	
14	ASC	E(P)	02 36 45.7				73	273	.3	
14	AND	E(P)	02 36 47.5				88	280	.3	
14	ANA	EP	02 36 49.7				110	282	.0	

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JAN 1972	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
14	6 6	20.34	51.55 N 178.77 E	DEPTH = 18.7 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
14	ACF	EPG	06 06 24.3				16	101	-.2	
14	AND	IPGD	06 06 24.2				13	86	-.0	
		ES	06 06 27.2						.2	
14	ACD	EPG	06 06 26.5				29	119	.3	
14	ACE	EPG	06 06 26.8				33	121	.1	
14	ASB	E(P)	06 06 27.6	1.7	.1	1.96	40	123	-.1	
		ES	06 06 32.9						-.2	
14	ASD	E(P)	06 06 28.3	2.0	.1	2.06	44	114	-.0	
14	ADK	EP	12 33 20.8							
		ES	12 33 35.5							
14	13 3	4.18	52.26 N 179.19 W	DEPTH = 211.8 KM			FREE DEPTH SOLUTION			
DELAROF ISLANDS, ALEUTIAN ISLANDS										
14	SSI	E(P)	13 03 34.4	2.5	.1	2.79	93	244	.0	
14	AMA	E(P)	13 03 35.2	4.3	.1	3.03	108	177	-.0	
		ES	13 03 57.8						-.1	
14	ASD	EP	13 03 37.1	9.7	.1	3.41	140	227	-.2	
14	ASE	EP	13 03 37.7	17.2	.1	3.57	147	228	-.1	
		IS	13 04 2.3						-.0	
14	ASC	EP	13 03 37.9				144	233	.3	
14	AND	EP	13 03 38.1				149	239	.1	
14	ANA	EP	13 03 39.0				163	245	-.0	
14	RAT	IP D	13 03 40.0	10.1	.1	3.46	177	254	-.2	
14	ANA	EP	13 55 26.5							
14	RAT	E(P)	13 55 28.5							
		I	13 55 30.8	38.2	.2					
14	AND	IP C	13 55 29.2							
		E(S)	13 55 42.7							
14	SSI	EP	13 55 33.1	9.8	.1	3.22				
		E(S)	13 55 49.9							
14	ASB	E(P)	13 55 35.0	3.0	.1	2.66				
		E(S)	13 55 50.1							
14	14 20	53.03	51.47 N 179.02 E	DEPTH = 34.7 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
14	ACB	EPG	14 20 58.8				5	102	.1	INTERESTING
14	AND	IPG	14 20 59.0				11	335	.1	LOCAL
		IS	14 21 2.9						-.3	
14	ACE	EPG	14 20 59.0				13	127	-.0	
14	ACD	EPG	14 20 59.1				9	121	.2	
14	ACF	EPG	14 20 59.1				6	342	.4	
		ES	14 21 3.1						.2	
14	ASB	E(P)	14 20 59.5	4.5	.1	2.35	20	128	-.0	
		IS	14 21 3.9						-.3	
14	ASD	EPG	14 20 59.8	6.4	.1	2.52	24	112	-.1	
		IS	14 21 4.6						-.2	
14	ANA	EPG	14 21 .6				30	305	.1	
14										

JAN 1972	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
14	17 10	1.45	51.44 N 178.94 E	DEPTH = 38.8 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
14	AND	IPGD	17 10 8.0				14	3	-.1	
		IS	17 10 13.0						.1	
14	ACB	EPG	17 10 8.0				11	74	.1	
14	ACF	IPG	17 10 8.0				11	20	.1	
14	ACD	IPG	17 10 8.1				14	94	.0	
		IS	17 10 13.0						.1	
14	ACE	IPG	17 10 8.1				16	104	-.1	
14	ASB	EP	17 10 8.6	3.8	.1	2.32	23	111	-.1	
		IS	17 10 13.9						-.1	
14	ASD	E(P)	17 10 9.2	4.2	.1	2.39	28	100	.0	POSS P-S CONV.
		I(S)	17 10 14.9						.1	
14	ANA	E(P)	17 10 9.2				29	318	-.0	
14	SSI	E(P)	17 10 14.1	2.1	.1	2.28	68	41	.2	
		E(S)	17 10 22.7						-.2	
.....										
14	18 48	.79	51.65 N 179.70 W	DEPTH = 25.0 KM			FIXED DEPTH SOLUTION			
DEJAROF ISLANDS, ALEUTIAN ISLANDS										
14	SSI	IPG	18 48 10.7	6.3	.1	2.56	56	299	-.0	
		IS	18 48 17.8						-.2	
14	AMA	E(P)	18 48 11.0	10.4	.3	2.42	58	134	-.1	QP
14	ASD	EPG	18 48 13.2	1.3	.1	2.06	72	247	.0	PROB 2 EVENTS.
		ES	18 48 22.1						-.1	
14	ASR	EPG	18 48 14.3	2.9	.1	2.45	80	246	.0	
		IS	18 48 24.0						-.1	
14	AND	EPG	18 48 16.7				94	264	.4	
.....										
14	AMA	IP	19 50 38.3	32.4	.2	3.15				
		ES	19 50 46.4							
14	ADK	EP	19 50 48.3							
		ES	19 51 3.3							
14	SSI	EP	19 50 53.9	15.5	.1					
14	ASB	EP	19 50 54.0	7.0	.2	2.84				
		E(S)	19 51 13.8							
.....										
14	20 27	55.30	51.01 N 178.74 E	DEPTH = 31.5 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
14	ASB	IPGD	20 28 5.1	376.0	.2	4.14	53	42	-.1	
		ES	20 28 12.4						-.1	
14	ACE	IPGD	20 28 5.2				53	35	-.1	
14	ACD	IPGD	20 28 5.5				54	31	.1	
14	ACB	IPGD	20 28 5.8				56	26	.1	
14	ASD	IPGD	20 28 5.9	42.4	.1	3.53	60	45	-.3	
14	ACC	EPG	20 28 5.9				57	22	.1	
14	ASC	IPGC	20 28 6.0				59	30	-.0	
14	AND	IPGD	20 28 6.7				63	14	.0	
14	ACF	IPGC	20 28 6.8				60	17	.5	
14	ANA	IPGD	20 28 7.7				69	356	.2	
14	RAT	EP	20 28 10.6	62.8	.2	3.55	92	342	-.3	
		ES	20 28 22.0						-.2	
14	SSI	IP D	20 28 14.2	159.6	.1	4.33	115	31	.0	
.....										
15	ADK	EP	01 04 47.0							
		ES	01 05 27.1							

JAN 1972	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
15	2 18	14.85	50.29 N 178.87 E	DEPTH = 50.0 KM						FIXED DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
15	ASB	IP D	02 18 34.2	45.8	.2	3.53	123	13	-.1	POSS P-S CONV.
		I	02 18 38.8							
		IS	02 18 48.5						.0	
15	ASD	EP	02 18 34.6	11.2	.1	3.23	128	15	-.3	
15	ASC	EP	02 18 34.7				133	9	-.8	
15	AND	IP	02 18 36.4				142	2	-.3	
15	ANA	E(P)	02 18 38.1				150	355	.5	QP
15	SSI	IP D	02 18 43.2	26.6	.1	3.74	186	16	1.1	
15	ASB	EP	02 33 5.1	3.9	.1	2.75				
		E(S)	02 33 19.3							
15	ASD	EP	02 33 5.4	3.4	.1	2.69				
15	3 39	17.00	18.30 S 174.62 W	DEPTH = 130.0 KM						TELESEISMIC SOLUTION
			TONGA ISLANDS							
15	ADK	EP	03 50 13.8	53.2	.7		7773	359		
15	ASB	IPG	04 13 55.2	3.5	.1	2.22				
		IS	04 13 59.4							
15	ADK	EP	09 09 12.9							
		ES	09 09 21.7							
15	ANA	EP	13 31 14.0							
		ES	13 31 42.6							
15	AND	EP	13 31 15.8							
15	ASB	EP	13 31 17.0	3.8	.1					
		ES	13 31 46.5							
15	RAT	E(P)	13 31 23.2							
15	SSI	IP D	13 31 23.8	19.1	.1					
		ES	13 31 58.4							
15	ADK	EP	15 48 41.6							
		ES	15 48 49.3							
15	ADK	EP	16 32 42.6							
		ES	16 33 .4							
15	18 15	51.09	50.88 N 179.71 W	DEPTH = 50.0 KM						FIXED DEPTH SOLUTION
			DELAROF ISLANDS, ALEUTIAN ISLANDS							
15	AMA	E(P)	18 16 2.9	4.5	.1	2.62	62	43	-.3	
		E(S)	18 16 9.8						-2.2	
15	ASD	EP	18 16 6.2	3.9	.1	2.65	87	311	.0	QS
		I(S)	18 16 16.6						-.6	
15	ASB	EP	18 16 6.9	5.1	.1	2.78	90	307	.3	QS
		E(S)	18 16 17.6						-.2	
15	ASC	E(P)	18 16 7.7				102	310	-.2	
15	SSI	EP	18 16 11.1	17.7	.1	3.42	123	337	.6	
		E(S)	18 16 24.8						.1	
15	22 5	31.10	51.33 N 180.00 W	DEPTH = 8.2 KM						FREE DEPTH SOLUTION
			DELAROF ISLANDS, ALEUTIAN ISLANDS							
15	ASD	IP D	22 05 39.8	22.4	.1	3.11	46	278	.1	
		E(S)	22 05 45.9						-.0	
15	ASB	IP D	22 05 40.7	16.2	.1	3.02	53	274	.0	
		ES	22 05 47.7						.1	

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. 16      7 4 49.31 51.52 N 177.91 E DEPTH = 50.0 KM      FIXED DEPTH SOLUTION
.      RAT ISLANDS, ALEUTIAN ISLANDS
.
. 16      RAT IPGD 07 04 59.0      64.6 .1 3.70      42 43      -.4
.      ES      07 05 6.9
. 16      ANA IPGD 07 05 .6      53 77      .1
. 16      AND IPGD 07 05 2.5      73 86      -.2
.      ES      07 05 12.8
. 16      ASB EPG 07 05 5.3      9.2 .1 3.05      95 100      -.0
.      ES      07 05 16.2
. 16      ASC EPG 07 05 5.3      87 94      .9
. 16      ASD EPG 07 05 5.9      6.3 .1 2.91      101 98      -.1

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JAN	STA	PHASE	TIME	AMP	PER	MAG	DIST	AZI	RES	REMARKS
1972			(GMT)	(MU)	(SEC)		(KM)	(DEG)	(SEC)	
16	8 30	19.30	51.07 N 179.21 E	DEPTH = 30.0 KM						FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
16	ASB	IPGD	08 30 26.5	162.3	.1	3.95	32	4	.0	
		IS	08 30 31.8						.1	
16	ASD	IPGD	08 30 26.8	67.6	.1	3.59	37	14	-.2	
		IS	08 30 32.5						-.1	
16	ACE	IPGD	08 30 27.0				37	356	-.0	
16	ACD	EPG	08 30 27.4				40	352	-.0	
16	ASC	IPGC	08 30 27.9				44	356	.0	
16	ACB	E(P)	08 30 28.0				44	349	.0	
16	ACA	EPG	08 30 28.3				46	352	.1	
16	AND	IPGD	08 30 29.6				58	342	-.2	
16	ACF	EPG	08 30 29.6				53	343	.5	
16	ANA	EPG	08 30 31.7				73	328	-.2	
16	SSI	E(P)	08 30 35.3	48.3	.1	3.74	95	16	.1	QS
		E(S)	08 30 46.7						-.1	
16	10 8	43.77	51.72 N 179.97 W	DEPTH = 33.1 KM						FREE DEPTH SOLUTION
			DELAROF ISLANDS, ALEUTIAN ISLANDS							
16	SSI	IP C	10 08 57.6	135.2	.1	4.19	36	302	-.1	
		E(S)	10 09 8.0						.1	
16	ASD	IP C	10 08 59.1	52.1	.1	3.82	60	232	-.1	
16	ASB	IP C	10 08 59.7	247.3	.2	4.21	68	234	-.1	QDIR
		ES	10 09 11.5						-.0	
16	ASC	IP D	10 08 59.9				67	244	.2	
16	AND	IP C	10 09 .5				77	257	-.0	
16	AMA	IP D	10 09 .6	69.2	.1	3.97	77	129	.0	TAMP ESTIMATED
16	ANA	IP D	10 09 2.5				95	264	.3	
16	RAT	IP C	10 09 4.4	61.1	.1	4.01	117	275	-.1	
		ES	10 09 19.5						-.1	
16	ADK	EP	10 09 16.3				227	84	-.6	
		ES	10 09 41.1						-.0	
16	11 29	41.68	51.38 N 179.60 E	DEPTH = 25.0 KM						FIXED DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
16	ASD	IP	11 29 46.2	9.9	.1	2.59	18	274	-.6	
		ES	11 29 49.5						-1.0	
16	ASB	EP	11 29 47.2				25	265	-.3	
		IS	11 29 51.1						-.6	
16	ASC	E(P)	11 29 47.8				31	287	-.5	
16	ACE	I(P)	11 29 48.0				30	275	-.1	
16	AND	E(P)	11 29 51.3				49	295	.6	
16	18 38	28.50	53.23 N 167.74 W	DEPTH = 62.0 KM MB = 4.4						TELESEISMIC SOLUTION
			FOX ISLANDS, ALEUTIAN ISLANDS							
16	NIK	IP	18 38 43.1				80	249		
16	ADK	EP	18 39 51.9				625	260		
		ES	18 40 56.8							
16	AMA	EP	18 40 14.0	124.1	.3		806	259		
16	ASD	EP	18 40 26.4	24.9	.2		904	262		REGIONAL
16	ASB	E(P)	18 40 26.9	120.7	.3		911	262		S NOT SCALABLE
16	AND	E(P)	18 40 29.4				924	264		
16	ANA	EP	18 40 31.3				941	265		

JAN 1972	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
17	4 54	36.00	51.41 N 178.79 E	DEPTH = 41.3 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
17	AND	EPG	04 54 43.2				20	34	-.2	
17	ACB	EPG	04 54 43.5				21	75	.0	
		E(S)	04 54 48.8						-.1	
17	ACF	I(P)	04 54 43.5				19	48	.2	
17	ANA	EPG	04 54 43.7				26	339	-.1	
17	ACA	E(P)	04 54 43.7				24	71	.1	
17	ACE	EPG	04 54 43.7				26	93	-.1	
17	ACD	EPG	04 54 43.8				24	86	.2	
17	ASD	EPG	04 54 44.9	5.9	.1	2.60	38	93	-.1	
.....										
17	11 37	12.47	51.84 N 177.17 E	DEPTH = 50.0 KM			FIXED DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
17	RAT	EP	11 37 27.0	149.0	.1	4.21	80	92	.3	QTAMP
		ES	11 37 37.7						.6	
17	ANA	EP C	11 37 29.9				105	102	.1	
17	AND	EP D	11 37 31.9				127	103	-.5	
17	ASC	E(P)	11 37 34.5				144	106	.0	
17	ASB	E(P)	11 37 36.0	50.0	.1	3.95	153	109	.4	
		ES	11 37 51.9						-.6	
17	ASD	IP C	11 37 36.1	30.8	.1	3.75	158	107	-.1	
17	SSI	IP D	11 37 36.5	110.8	.1	4.32	166	87	-.8	QTAMP
17	AMA	EP	11 37 49.9	72.0	.2		264	102	.5	
.....										
17	12 13	5.88	52.19 N 178.26 E	DEPTH = 87.8 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
17	RAT	EP	12 13 19.8	27.3	.1	3.49	44	173	.1	
		ES	12 13 29.6						-.1	
17	ANA	EP	12 13 21.4				69	156	-.1	
		IS	12 13 33.0						.1	
17	AND	EP	12 13 22.9				85	145	-.0	
		ES	12 13 35.4						.0	
.....										
17	12 51	2.59	51.52 N 179.53 E	DEPTH = 13.5 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
17	ASD	IPGC	12 51 6.7	10.4	.1	2.50	19	222	-.1	
		IS	12 51 9.8						.0	
17	ASB	E(P)	12 51 7.8	11.5	.1	2.63	26	228	.0	
		IS	12 51 11.5						-.1	
17	ASC	EPG	12 51 7.9				26	256	.2	
17	ACE	EPG	12 51 8.0				28	242	-.0	
17	ACD	EPG	12 51 8.3				29	250	.1	
17	AND	IPGD	12 51 9.8				40	277	-.1	
17	ANA	IPG	12 51 13.0				61	282	-.1	
.....										
17	ADK	EP	17 44 23.4							
		ES	17 44 32.5							
.....										
18	0 17	43.00	56.51 N 153.49 W	DEPTH = 23.0 KM MB = 5.1			TELESEISMIC SOLUTION			
KODIAK ISLAND REGION										
18	ADK	E(P)	00 21 9.0				1591	261		
.....										

JAN 1972	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
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18	7 51	53.20	51.58 N 174.66 E	DEPTH = 33.0 KM	MB = 4.8					TELESEISMIC SOLUTION
RAT ISLANDS, ALEUTIAN ISLANDS										
18	RAT	EP	07 52 30.1	421.4	.3		255	83	.4	
18	ANA	EP	07 52 32.7				277	87	.3	
18	AND	EP	07 52 34.4				297	89	-.5	
18	ASC	EP	07 52 36.8				313	91	-.0	
18	ASB	E(P)	07 52 37.7	41.4	.2		319	93	.1	
		E(S)	07 53 8.3						-1.8	
18	ASD	E(P)	07 52 39.0	84.7	.3		325	92	.6	
18	SSI	EP	07 52 41.1				342	82	.7	
18	ADK	EP	07 53 11.7				598	83	-.3	
		ES	07 54 10.7						1.1	

18	10 25	37.35	51.86 N 177.62 E	DEPTH = 87.6 KM						FREE DEPTH SOLUTION
RAT ISLANDS, ALEUTIAN ISLANDS										
18	RAT	IP C	10 25 51.3				49	97	-.2	TAMP UNREADABLE
18	ANA	IP C	10 25 53.4				76	109	-.2	
18	AND	EP	10 25 56.7				97	109	1.1	
18	ASB	E(P)	10 25 57.8	21.2	.1	3.55	125	115	-.7	
		E(S)	10 26 13.9						-.1	
18	ASC	E(P)	10 25 57.8				115	112	.3	
18	ASD	E(P)	10 25 59.0	42.4	.2	3.56	130	113	-.0	
18	SSI	E(P)	10 25 59.5				135	88	-.1	TAMP UNREADABLE
		E(P)	10 26 3.3							

18	12 43	27.80	54.68 N 161.43 E	DEPTH = 33.0 KM	MB = 5.6	MS = 5.0				TELESEISMIC SOLUTION
NEAR EAST COAST OF KAMCHATKA										
18	RAT	EP	12 45 56.6	239.9	.5		1171	99		TELE
18	ANA	EP	12 46 .6				1200	99		
18	AND	E(P)	12 46 2.3				1221	99		
18	ASD	E(P)	12 46 5.3	162.5	.5		1253	100		
18	SSI	EP	12 46 5.9				1248	97		
18	ADK	EP	12 46 33.9	225.0	.8		1488	93		

18	17 39	38.12	51.92 N 178.96 E	DEPTH = 72.3 KM						FREE DEPTH SOLUTION
RAT ISLANDS, ALEUTIAN ISLANDS										
18	ANA	EPG	17 39 50.0				39	213	.0	
18	AND	IP D	17 39 50.1				40	181	.1	
		E(S)	17 39 58.7						-.0	
18	RAT	EP	17 39 50.4	12.4	.1	3.09	46	253	-.0	
18	ASD	IP C	17 39 52.0	7.3	.1	2.91	65	156	-.0	
18	ANA	IPGC	19 56 47.1							QS
		E(S)	19 56 49.5							
18	AND	IPGD	19 56 47.4							
18	ACF	EP	19 56 47.5							

18	21 55	15.50	4.78 S 145.04 E	DEPTH = 33.0 KM	MB = 5.7	MS = 6.6				TELESEISMIC SOLUTION
NEAR NORTH COAST OF NEW GUINEA										
18	ASB	EP	22 05 43.7				7018	23		QP. TELE
18	RAT	EP	22 05 43.7				7016	22		QP
18	ANA	EP	22 05 43.8				7015	23		QP
18	ASC	EP	22 05 44.0				7023	23		QP
18	AND	EP	22 05 44.1				7022	23		QP
18	ASD	EP	22 05 44.2				7024	23		QP

JAN 1972	STA	PHASE	TIME (GMT)	AMP. (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
. 18	SSI	EP	22 05 45.2				7079	23		QP
. 18	AMA	EP	22 05 47.9				7085	24		QP
. 18	ADK	EP	22 05 57.5	267.5	.8		7246	25		
.....										
. 18	22 8	12.90	4.70 S	145.03 E	DEPTH =	33.0 KM	MB = 5.5	TELESEISMIC SOLUTION		
			NEAR NORTH COAST OF NEW GUINEA							
. 18	ADK	EP	22 18 54.6	172.0	1.0		7239	25		
.....										
. 19	1 58	11.75	51.86 N	178.94 E	DEPTH =	109.5 KM	FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
. 19	AND	IP C	01 58 27.3				33	179	-.2	
. 19	ANA	EP	01 58 27.5				32	217	.1	
. 19	SSI	IP	01 58 28.0	28.8	.1	3.58	45	85	.0	
. 19	ASC	IP	01 58 28.2				47	161	.1	
. 19	ASD	IP C	01 58 28.7	19.5	.1	3.43	59	152	-.1	
. 19	ASB	IP	01 58 28.9	11.8	.1	3.22	59	159	.1	
	IS		01 58 41.3						.0	
.....										
. 19	6 2	21.13	51.40 N	179.32 E	DEPTH =	72.6 KM	FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
. 19	ASC	EP	06 02 31.6				13	301	-.2	
. 19	ACE	EP	06 02 31.6				10	268	-.1	
. 19	ASD	EP	06 02 31.7	4.5	.1	2.58	2	135	.1	
. 19	ASB	EP	06 02 31.7	4.2	.1	2.56	7	227	.0	
	ES		06 02 39.4						.0	
. 19	ACD	IP	06 02 31.8				13	282	.0	
. 19	ACB	IP	06 02 31.9				17	292	-.0	
. 19	ACC	EP	06 02 32.0				21	295	-.1	
. 19	AND	EP	06 02 32.3				31	305	-.2	
. 19	ACA	EP	06 02 32.3				16	301	.4	
. 19	ANA	IP	06 02 34.1				52	299	.1	
.....										
. 19	ADK	EP	07 41 50.6							
	ES		07 42 3.0							
.....										
. 19	9 33	11.61	51.59 N	178.83 E	DEPTH =	77.2 KM	FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
. 19	AND	IP C	09 33 22.7				9	113	-.1	
. 19	ACF	IP	09 33 22.8				13	124	-.0	
. 19	ANA	IP D	09 33 22.9				13	287	.1	
. 19	ACC	IP	09 33 23.1				19	130	.1	
. 19	ACA	IP	09 33 23.2				23	122	.0	
. 19	ACB	IP	09 33 23.2				23	129	.0	
. 19	ACD	IP	09 33 23.4				28	131	.0	
. 19	ASC	IP	09 33 23.5				27	122	.2	
. 19	ACE	IP	09 33 23.5				32	132	-.1	
. 19	ASB	EP	09 33 23.9	11.4	.1	3.06	39	132	-.1	
	IS		09 33 32.9						-.1	
. 19	ASD	IP C	09 33 24.1	12.5	.1	3.10	42	122	-.1	
. 19	RAT	IP	09 33 24.1	13.7	.1	3.14	42	303	-.1	
. 19	SSI	IP D	09 33 25.7	53.2	.1	3.78	62	57	-.0	
.....										
. 19	ADK	EP	11 32 47.8							
	ES		11 32 56.1							

JAN 1972	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
19	11 53	2.72	51.50 N 179.78 W	DEPTH = 73.8 KM			FREE DEPTH SOLUTION			
DEAROF ISLANDS, ALEUTIAN ISLANDS										
19	AMA	IP C	11 53 15.7	60.5	.1	3.80	52	117	-.0	
19	ASD	IP D	11 53 16.4	27.7	.1	3.49	62	259	-.1	
19	SSI	IP	11 53 16.5	57.6	.1	3.80	61	315	.0	
19	ASB	IP C	11 53 17.2	36.5	.1	3.62	69	257	-.0	
		IS	11 53 27.7						-.1	
19	ASC	IP	11 53 17.9				73	267	.3	
19	AND	IP	11 53 18.9				88	275	-.2	
19	ANA	IP	11 53 21.5				109	278	.2	
19	RAT	EP	11 53 24.1	19.9	.1	3.53	135	285	-.2	
.....										
.....										
19	13 30	8.41	51.91 N 177.18 E	DEPTH = 69.8 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
19	RAT	IP C	13 30 23.6	24.8	.1	3.48	80	98	-.1	
19	ANA	EP	13 30 26.9				107	107	.3	
19	AND	EP	13 30 28.8				128	107	-.3	
19	ASC	EP	13 30 31.4				146	109	.2	
19	ASB	EP	13 30 32.0	3.0	.1	2.75	156	112	-.3	
19	ASD	EP	13 30 33.0	2.7	.1	2.70	160	110	.1	
		ES	13 30 50.7						-.0	
.....										
.....										
19	15 0	54.20	4.70 S 144.97 E	DEPTH = 33.0 KM			TELESEISMIC SOLUTION			
NEAR NORTH COAST OF NEW GUINEA										
19	ADK	EP	15 11 33.5	90.9	.9		7242	25		
.....										
.....										
19	19 57	41.80	51.42 N 178.91 E	DEPTH = 46.6 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
19	AND	IP C	19 57 49.4				16	11	-.1	
19	ACC	EP	19 57 49.4				12	52	.1	
19	ACB	EP	19 57 49.5				14	69	.1	
19	ACD	EP	19 57 49.6				16	86	.1	
19	ACE	IP	19 57 49.6				19	96	-.0	
19	ASC	EP	19 57 49.8				19	75	.2	
19	ASB	IP	19 57 49.9	4.9	.1	2.49	25	105	-.1	
19	ANA	IP	19 57 50.3				29	324	-.0	
19	ASD	IP	19 57 50.5	8.8	.1	2.77	30	96	.0	
		ES	19 57 56.7						-.1	
.....										
.....										
19	21 19	11.30	51.52 N 179.46 E	DEPTH = 84.1 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
19	ASD	EP	21 19 23.5	1.5	.1	2.19	17	211	.0	
19	ASB	EP	21 19 23.6	3.2	.1	2.51	23	220	-.1	
		ES	21 19 32.7						.0	
19	ASC	EP	21 19 23.7				22	253	.1	
19	AND	EP	21 19 24.1				36	278	-.1	
19	ANA	EP	21 19 25.7				57	282	.1	
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JAN 1972	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
19	21 52	48.35	51.72 N 179.53 W	DEPTH = 185.0 KM			FREE DEPTH SOLUTION			
			DELAROF ISLANDS, ALEUTIAN ISLANDS							
19	ASD	EP	21 53 15.1	2.4	.1	2.72	86	245	-.1	
		ES	21 53 34.8						.0	
19	ASB	EP	21 53 15.6	4.6	.1	3.01	93	245	-.0	
19	ASC	IP	21 53 15.9				94	253	.2	
19	AND	EP	21 53 16.3				106	261	-.1	
19	ANA	EP	21 53 17.7				125	266	.0	
19	23 18	45.69	51.94 N 178.45 E	DEPTH = 125.3 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
19	ANA	IP D	23 19 3.5				38	157	.1	
		ES	23 19 16.4						.0	
19	AND	IP D	23 19 4.1				55	140	-.1	
19	SSI	IP C	23 19 5.7	7.8	.1	3.11	79	93	-.0	
19	ASB	EP	23 19 6.1	4.4	.1	2.87	85	139	-.1	
19	ASD	IP D	23 19 6.4	5.3	.1	2.95	87	134	.1	
19	ANA	EP	23 36 12.1							
19	AND	IP C	23 36 13.9							
		ES	23 36 23.7							
19	ASD	EP	23 36 17.5	.7	.1					
20	2 6	31.23	51.57 N 178.81 E	DEPTH = 19.6 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
20	AND	IP D	02 06 34.9				10	94	-.1	
20	ANA	IP C	02 06 35.1				12	302	-.0	
20	ACB	IP	02 06 36.5				23	121	.2	
20	ACD	IP	02 06 37.1				28	125	.2	
20	ASB	IP	02 06 38.3	3.0	.1	2.20	38	127	-.1	
		ES	02 06 43.5						-.2	
20	ASD	IP	02 06 38.9	3.9	.1	2.35	42	118	-.1	
20	2 32	1.85	51.21 N 179.95 W	DEPTH = 37.6 KM			FREE DEPTH SOLUTION			
			DELAROF ISLANDS, ALEUTIAN ISLANDS							
20	ASD	IP	02 32 12.3	7.1	.1	2.74	53	292	.0	
20	AMA	IP	02 32 13.0	12.4	.1	3.01	59	81	-.1	
20	ASB	EP	02 32 13.1	6.3	.1	2.71	58	287	.2	
		ES	02 32 20.6						-.4	
20	ASC	EP	02 32 14.6				67	295	.4	
20	AND	IP	02 32 16.3				85	298	-.4	
20	SSI	IP	02 32 16.3	26.6	.1	3.44	82	337	.1	
20	ANA	EP	02 32 19.6				107	296	-.0	
20	ADK	EP	03 50 58.9							
		ES	03 51 4.5							
20	6 23	19.81	52.08 N 178.13 E	DEPTH = 136.1 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
20	RAT	IP	06 23 38.5	9.8	.1	3.18	34	156	-.2	
20	ANA	EP	06 23 40.0				62	144	.0	
20	AND	EP	06 23 40.9				81	135	-.2	
		ES	06 23 56.5						-.1	
20	SSI	EP	06 23 42.9	2.4	.1	2.65	102	101	.3	
20	ASD	EP	06 23 43.5	2.4	.1	2.66	113	132	-.1	

JAN 1972	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
20	ASB	EP	06 23 43.9	2.5	.1	2.68	111	136	.5	
20	AMA	EP	06 23 52.7	3.1	.1		210	114	-.3	
20	ADK	EP	07 49 3.3							4.5ML D 1.2 SE
20	AMA	ES	07 49 19.1							
20	SSS	EP	07 49 21.4	89.9	.2					
20	SSS	EP	07 49 34.6							
20	ASD	EP	07 49 35.2	66.2	.3					REGIONAL
20	ASB	EP	07 49 36.4	54.7	.3					
20	ES	EP	07 50 21.7							
20	ASC	EP	07 49 37.4							
20	AND	EP	07 49 39.0							
20	ANA	EP	07 49 41.7							
20	NIK	E(P)	07 49 47.0							
20	RAT	EP	07 49 46.7							
20	ADK	EP	07 58 17.6							
20	ES	EP	07 58 33.9							
20	AMA	EP	07 58 35.7	118.7	.3					
20	SSS	EP	07 58 48.7	22.5	.3					
20	ASD	EP	07 58 49.6	55.2	.4					REGIONAL
20	ASB	EP	07 58 50.7	45.6	.2					
20	ES	EP	07 59 42.2							
20	ASC	EP	07 58 51.0							
20	AND	EP	07 58 53.2							
20	ANA	EP	07 58 56.2							
20	RAT	EP	07 58 58.7							
20	ADK	EP	08 00 41.3							
20	ES	EP	08 00 48.2							
20	8 35	6.89	51.25 N 180.00 W	DEPTH = 34.3 KM						FREE DEPTH SOLUTION
20	ASD	IP	08 35 16.5	11.9	.1	2.93	49	290	.0	
20	ASB	IP	08 35 17.3	10.6	.1	2.91	54	284	.1	
20	ES	IP	08 35 24.5						-.2	
20	ACE	IP	08 35 18.0				60	287	-.0	
20	AMA	IP	08 35 18.2	6.7	.1	2.75	62	85	-.1	
20	ASC	IP	08 35 18.6				63	293	.2	
20	ACD	IP	08 35 18.6				64	289	.1	
20	ACA	IP	08 35 19.0				67	293	.1	
20	ACB	EP	08 35 19.1				68	291	.0	
20	ACC	EP	08 35 19.7				72	292	.1	
20	AND	EP	08 35 20.4				81	296	-.5	
20	SSI	IP C	08 35 20.5	8.8	.1	2.94	77	338	.1	
20	8 48	4.28	51.31 N 178.56 E	DEPTH = 50.0 KM						FIXED DEPTH SOLUTION
20	ANA	EP	08 48 13.8				36	12	.1	
20	AND	IP	08 48 14.1				39	45	.1	
20	ACB	EP	08 48 14.3				41	66	.1	
20	ACD	EP	08 48 14.4				42	72	.1	
20	ACE	EP	08 48 14.4				44	77	-.1	
20	ASB	EP	08 48 14.7	2.7	.1	2.35	48	83	-.2	
20	ASC	EP	08 48 14.9				45	68	.3	
20	RAT	IP	08 48 15.6	6.0	.1	2.73	56	344	-.2	
20	ASD	EP	08 48 15.7	1.0	.1	1.94	55	81	.0	
20	ES	EP	08 48 23.7						-.3	

JAN 1972	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
20	9 24	23.20	60.70 N 153.24 W	DEPTH = 138.0 KM	MB = 4.6					TELESEISMIC SOLUTION
			SOUTHERN ALASKA							
20	ADK	EP	09 27 56.7	71.4	.6		1739	246		
20	10 5	14.47	51.28 N 178.39 W	DEPTH = 33.6 KM						FREE DEPTH SOLUTION
			DELAROF ISLANDS, ALEUTIAN ISLANDS							
20	AMA	IP C	10 05 24.2				50	272	-.0	
20	ADK	EP	10 05 34.9				136	60	-1.3	
		ES	10 05 50.1						-2.0	
20	SSI	EP	10 05 38.2	57.6	.1	4.00	156	297	-.5	
20	ASD	EP	10 05 38.5	16.5	.1	3.47	158	276	-.5	
20	ASB	EP	10 05 39.3	45.6	.2	3.62	165	274	-.5	
		ES	10 05 58.2						-.1	
20	ASC	EP	10 05 40.8				171	278	.2	
20	AND	EP	10 05 42.9				187	281	.3	
20	ANA	EP	10 05 45.8				208	282	.6	
20	RAT	EP	10 05 48.8	9.9	.1		235	286	.4	
20	11 30	9.98	52.19 N 177.58 E	DEPTH = 110.2 KM						FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
20	RAT	IP D	11 30 27.8	23.0	.1	3.52	67	130	.1	
20	ANA	EP	11 30 30.0				97	129	-.0	
		ES	11 30 44.7						.0	
20	AND	EP	11 30 31.4				117	126	-.5	
20	ASC	EP	11 30 34.3				136	126	.6	
20	SSI	EP	11 30 34.3	3.9	.1	2.88	141	103	-.0	
20	ASB	EP	11 30 34.5	1.3	.1	2.41	147	128	-.4	
20	ASD	EP	11 30 35.6	2.7	.1	2.73	150	125	.3	
20	11 36	28.60	36.38 N 70.72 E	DEPTH = 213.0 KM	MB = 5.9					TELESEISMIC SOLUTION
			HINDU KUSH REGION							
20	ADK	EP	11 47 41.6	68.1	.9		8258	36		
20	12 30	55.53	51.81 N 179.73 E	DEPTH = 98.2 KM						FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
20	SSI	IP	12 31 9.3	5.9	.1	2.83	14	313	-.0	
20	ASD	EP	12 31 10.7	1.7	.1	2.33	54	210	-.4	
20	ASB	EP	12 31 11.5	1.5	.1	2.29	60	214	.0	
		ES	12 31 23.1						-.0	
20	ASC	EP	12 31 11.7				55	226	.6	
20	ANA	EP	12 31 12.6				77	255	-.2	
20	13 17	44.71	52.13 N 179.77 E	DEPTH = 182.1 KM						FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
20	AND	EP	13 18 11.0				85	222	-.2	
20	ASD	EP	13 18 11.4	4.8	.1	3.02	88	200	.1	
20	ASC	EP	13 18 11.4				85	210	.2	
20	ASB	EP	13 18 11.5	5.9	.1	3.11	93	203	-.1	
		ES	13 18 31.3						-.0	
20	ANA	EP	13 18 11.8				95	234	.1	
20	RAT	IP	13 18 12.4	13.7	.1	3.49	106	250	-.0	
20	AMA	EP	13 18 13.5	4.8	.1	3.05	122	140	-.0	

JAN 1972	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
20	ADK	EP ES	14 37 28.2 14 37 39.2							
20	AMA	IP D	14 42 22.2	86.5	.1					
20	ASD	EP	14 42 34.0	2.7	.1	2.51				
20	ASB	EP	14 42 35.5	6.3	.1	2.92				
		ES	14 42 48.4							
20	ASC	EP	14 42 36.8							
20	AND	EP	14 42 38.5							
20	ADK	EP ES	16 09 7.0 16 09 16.8							
.....										
20	19 45	9.14	51.70 N 179.43 E	DEPTH = 110.0 KM					FREE DEPTH SOLUTION	
			RAT ISLANDS, ALEUTIAN ISLANDS							
20	ASD	EP	19 45 24.9	3.4	.1	2.64	35	190	-.1	
20	ASC	EP	19 45 25.0				32	215	.1	
20	AND	EP	19 45 25.0				36	245	-.0	
20	ASB	EP	19 45 25.2	5.5	.1	2.86	40	198	.0	
		ES	19 45 36.9						-.0	
20	ANA	EP	19 45 25.9				53	262	-.0	
.....										
20	ADK	IP ES	20 40 17.4 20 40 26.6							
20	ASD	EP	20 40 49.4	8.8	.2					REGIONAL
20	ASB	EP	20 40 50.7	10.1	.2					
		ES	20 41 42.2							
20	AND	EP	20 40 53.2							
20	ANA	EP	20 40 56.0							
.....										
20	20 44	5.49	50.41 N 177.98 E	DEPTH = 50.0 KM					FIXED DEPTH SOLUTION	
			RAT ISLANDS, ALEUTIAN ISLANDS							
20	AND	EP	20 44 27.4				145	28	-.3	
20	ANA	EP	20 44 27.7				144	19	.2	
20	ASD	EP	20 44 27.8	1.4	.1	2.38	145	41	.1	
		ES	20 44 43.9						.0	
.....										
20	22 1	16.56	51.53 N 179.56 E	DEPTH = 25.0 KM					FIXED DEPTH SOLUTION	
			RAT ISLANDS, ALEUTIAN ISLANDS							
20	ASB	IP	22 01 22.2	5.3	.1	2.41	29	229	-.7	
		IS	22 01 27.3						-.2	
20	ACE	EP	22 01 22.6				31	242	-.5	
20	ASD	IP C	22 01 22.7	7.8	.1	2.52	22	224	.6	
20	ACD	EP	22 01 23.1				32	249	-.1	
20	ASC	IP	22 01 23.5				29	254	.6	
20	ACR	EP	22 01 23.5				34	257	.0	
20	ACA	EP	22 01 23.7				31	259	.5	
20	ACC	IP	22 01 23.7				37	262	-.1	
20	SSI	EP	22 01 24.2	2.2	.1	2.11	40	2	-.1	
20	AND	IP	22 01 24.8				42	274	.2	
20	ACF	EP	22 01 24.9				39	269	.7	
20	ANA	EP	22 01 26.8				63	280	-.8	
.....										
20	ADK	EP ES	22 45 39.3 22 45 51.0							

JAN 1972	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
20	23 46	48.28	51.50 N 179.63 E	DEPTH = 18.8 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
20	ASD	EP	23 46 53.4				23	238	.0	
20	ASB	EP	23 46 54.3	4.6	.1	2.31	31	239	-.1	
		ES	23 46 58.7						-.1	
20	ASC	EP	23 46 54.7				32	262	.1	
20	SSI	EP	23 46 56.2	3.9	.1	2.35	44	357	-.0	
20	AND	EP	23 46 56.7				47	278	-.0	
.....										
21	ADK	EP	00 57 37.0							
		ES	00 57 55.3							
.....										
21	0 57	52.85	51.99 N 178.75 E	DEPTH = 75.0 KM			FIXED DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
21	RAT	EP	00 58 4.9	2.5	.1	2.39	36	234	.1	
21	ANA	EP	00 58 5.4				41	189	.3	
21	AND	IP C	00 58 5.7				50	164	-.0	
		E(S)	00 58 18.1						2.9	
21	SSI	EP	00 58 6.9	2.6	.1	2.45	58	100	.4	
		E(S)	00 58 16.2						-.2	
21	ASB	EP	00 58 7.6	3.6	.1	2.65	78	154	-.7	
		E(S)	00 58 20.6						1.1	
21	ASD	EP	00 58 7.7	3.2	.1	2.60	78	148	-.6	
.....										
21	4 4	40.24	51.67 N 178.31 W	DEPTH = 0.0 KM			FIXED DEPTH SOLUTION			
			DELAROF ISLANDS, ALEUTIAN ISLANDS							
21	AMA	IPG	04 04 53.3	29.0	.1	3.38	70	233	.4	
		ES	04 05 2.3						.2	
21	ADK	EP	04 05 .2				115	77	.2	
		ES	04 05 14.1						-.3	
21	SSI	E(P)	04 05 6.4	15.5	.1	3.40	147	281	1.5	
21	ASD	E(P)	04 05 7.5	2.9	.1	2.73	165	260	-.2	
21	ASB	E(P)	04 05 8.3	3.1	.1	2.77	172	259	-.5	
		ES	04 05 29.1						-.5	
21	AND	E(P)	04 05 11.1				189	267	-.2	
21	ANA	E(P)	04 05 13.8				209	270	-.5	
.....										
21	AMA	IPGD	06 18 15.4	51.9	.1	3.45				
		IS	06 18 20.2							
21	ASD	EP	06 18 30.7	6.0	.1	2.98				
		ES	06 18 46.3							
21	SSI	IP C	06 18 31.3	31.0	.1	3.72				
		IS	06 18 48.1							
21	ADK	EP	06 18 32.0							
		ES	06 18 49.4							
21	ASB	EP	06 18 32.0	7.5	.1	3.10				
		ES	06 18 48.7							
21	ASC	EP	06 18 32.8							
21	AND	IP	06 18 35.0							
21	ANA	EP	06 18 38.1							
.....										
21	6 27	14.96	51.40 N 178.78 E	DEPTH = 40.8 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
21	AND	IPG	06 27 22.3				22	33	-.1	
		ES	06 27 27.8						-.0	
21	ACF	E(P)	06 27 22.4				21	46	.1	
21	ACB	EPG	06 27 22.5				23	71	.0	
21	ACD	EPG	06 27 22.7				25	81	.0	

JAN 1972	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
. 21	ANA	EPG	06 27 22.8				27	343	.0	
. 21	ACA	EPG	06 27 22.8				26	68	.1	
. 21	ACE	EPG	06 27 22.8				28	89	-.0	
. 21	ASC	EPG	06 27 22.9				28	74	.0	
. 21	ASB	EPG	06 27 23.3	2.1	.1	2.12	33	96	-.1	
. 21		ES	06 27 29.5						.0	
. 21	ASD	EPG	06 27 24.0	3.2	.1	2.34	39	90	-.0	
.....										
. 21	6 28 44.23		51.70 N 177.88 E							FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
. 21	RAT	IP	06 28 55.1	12.6	.1	3.04	33	70	-.0	
. 21		ES	06 28 3.0						-.1	
. 21	ANA	EPG	06 28 56.9				55	98	.1	
. 21	AND	E(P)	06 28 58.9				76	101	.0	
. 21	ASB	E(P)	06 29 1.6	2.1	.1	2.46	102	111	-.1	
. 21		ES	06 29 14.5						.0	
.....										
. 21	7 9 51.68		51.52 N 179.23 E							FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
. 21	ASC	EPG	07 09 55.7				8	217	-.1	LOCAL
. 21		ES	07 09 58.9						.2	
. 21	ACB	EPG	07 09 56.0				12	238	-.0	
. 21	ACE	EPG	07 09 56.2				14	198	.0	
. 21	ASD	IPGC	07 09 56.3	5.6	.1	2.31	16	152	-.1	
. 21		IS	07 09 59.7						-.1	
. 21	ASB	IPGC	07 09 56.7	8.1	.1	2.48	18	177	.2	
. 21		IS	07 10 0.0						-.1	
. 21	AND	IPG	07 09 56.7				20	284	-.1	
. 21	SSI	EPG	07 10 .5	6.3	.1	2.61	48	30	.0	
.....										
. 21	8 22 59.39		51.57 N 178.67 E							FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
. 21	AND	EPG	08 23 12.0				20	93	.1	
. 21		ES	08 23 21.0						-.1	
. 21	ACC	EPG	08 23 12.3				28	111	.1	
. 21	RAT	EPG	08 23 12.4	2.5	.1	2.43	34	317	-.2	
. 21		E(S)	08 23 22.3						.1	
. 21	ACA	EPG	08 23 12.5				33	108	.0	
. 21	ACB	IPGD	08 23 12.5				32	113	.1	
. 21	ACD	EPG	08 23 12.7				36	116	.1	
. 21	ASB	EPG	08 23 13.2	2.0	.1	2.35	47	120	-.1	
. 21		E(S)	08 23 23.3						-.1	
. 21	ASD	EPG	08 23 13.5	2.9	.1	2.53	51	113	-.0	
.....										
21	ASD	IPG	08 25 58.2	11.5	.2	2.58				
21	ASB	IPG	08 25 58.5	1.7	.1	2.06				
		ES	08 26 4.7							
21	ACB	EPG	08 26 .5							
21	ACD	EPG	08 26 .9							
21	ACC	EPG	08 26 1.0							
21	AND	IPG	08 26 2.4							
21	SSI	EPG	08 26 5.6	4.4	.1	2.74				
		E(S)	08 26 17.6							

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JAN 1972	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
21	8 30	10.41	52.28 N 179.73 E	DEPTH = 179.1 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
21	AND	EP	08 30 37.2				96	214	.0	PROB DEEP
21	ASD	EP	08 30 37.4	5.0	.1	3.05	102	195	-.2	
21	ASC	EP	08 30 37.6				99	204	.2	
21	ANA	IP	08 30 37.7				103	226	.1	
21	ASB	EP	08 30 37.9	6.7	.1	3.18	107	198	-.0	
		E(S)	08 30 58.0						-.0	
21	RAT	IP	08 30 38.0	11.6	.1	3.42	110	242	-.1	
21	AMA	E(P)	08 30 40.0	4.1	.2	2.69	136	144	-.0	
21	8 31	40.92	51.55 N 179.81 W	DEPTH = 75.1 KM			FREE DEPTH SOLUTION			
DELAROF ISLANDS, ALEUTIAN ISLANDS										
21	AMA	IPG	08 31 54.4	7.0	.1	2.88	56	120	.0	
21	SSI	IPG	08 31 54.4	6.3	.1	2.83	57	313	.0	
		ES	08 32 4.2						-.0	
21	ASD	EPG	08 31 54.6	1.3	.1	2.15	61	254	-.2	
21	ASB	EPG	08 31 55.4	2.7	.1	2.50	68	253	-.0	
		ES	08 32 6.1						.1	
21	ASC	EPG	08 31 55.9				72	263	.2	
21	10 25	55.40	51.19 N 178.73 E	DEPTH = 34.6 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
21	ASB	EPG	10 26 3.9	2.3	.1	2.17	41	62	-.2	
		ES	10 26 10.3						-.1	
21	ACB	EPG	10 26 3.9				40	40	.0	
21	ACD	EPG	10 26 4.1				39	47	.3	
21	AND	EPG	10 26 4.3				45	21	-.2	
21	ACA	EPG	10 26 4.5				43	40	.3	
21	ACF	EPG	10 26 4.5				42	26	.3	
21	ASD	EPG	10 26 4.8	2.0	.1	2.15	48	62	-.2	
		ES	10 26 11.8						-.2	
21	ANA	EPG	10 26 4.8				49	355	-.3	
21	10 32	45.81	51.38 N 178.94 E	DEPTH = 61.8 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
21	ACB	EPG	10 32 55.0				14	50	-.2	
21	ACD	EPG	10 32 55.3				15	70	.1	
21	AND	EPG	10 32 55.5				20	3	.0	
		ES	10 33 2.5						.0	
21	ASB	E(P)	10 32 55.6	1.1	.1	1.93	22	96	.1	
		E(S)	10 33 2.6						-.0	
21	ANA	E(P)	10 32 56.2				33	325	.0	
21	10 33	24.24	52.10 N 178.62 W	DEPTH = 152.8 KM			FREE DEPTH SOLUTION			
DELAROF ISLANDS, ALEUTIAN ISLANDS										
21	SSI	EP	10 33 50.5	12.2	.2	3.11	125	260	.0	
21	ASD	EP	10 33 53.5	3.1	.1	2.86	161	242	-.2	
21	ASB	E(P)	10 33 54.4	2.7	.1	2.82	169	242	.0	
		E(S)	10 34 16.4						.0	
21	ASC	E(P)	10 33 54.7				168	246		

JAN 1972	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
21	11 51	46.57	51.58 N 178.81 E	DEPTH = 18.6 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
21	AND	IPGD	11 51 50.3				10	98	.1	AND LOCAL
		IS	11 51 52.8						-.0	
21	ACF	IPGC	11 51 50.3				14	113	-.2	VERY NICE
		IS	11 51 53.2						-.2	
21	ANA	IPGC	11 51 50.5				12	299	.2	
21	ACC	EPG	11 51 51.0				19	122	-.1	
21	ACA	IPG	11 51 51.8				24	116	.1	
21	ACB	IPGC	11 51 51.8				23	123	.2	
21	ASC	EPG	11 51 52.3				28	117	.1	
21	ACD	EPG	11 51 52.4				28	126	.1	
21	ACE	EPG	11 51 52.8				32	127	.0	
21	ASB	EPG	11 51 53.7	5.5	.1	2.46	39	128	-.1	
		IS	11 51 58.9						-.1	
21	RAT	IPGC	11 51 54.0	6.3	.1	2.55	41	307	-.2	QOIR
21	ASD	IPG	11 51 54.2	9.8	.1	2.74	42	119	-.1	
21	SSI	IPG	11 51 57.6	5.6	.1	2.65	64	56	.0	
		IS	11 52 5.6						-.0	
21	ADK	EP	11 58 24.6							
		ES	11 58 32.6							
21	14 0	18.95	51.56 N 179.95 W	DEPTH = 25.0 KM			FIXED DEPTH SOLUTION			
DEAROF ISLANDS, ALEUTIAN ISLANDS										
21	ASD	EPG	14 00 28.3	1.8	.1	2.10	52	250	-.1	
21	ASB	EPG	14 00 29.4	2.1	.1	2.21	59	249	-.1	
		E(S)	14 00 37.1						-.0	
21	ASC	EPG	14 00 30.0				62	261	.2	
21	ACD	EPG	14 00 30.0				65	258	-.2	
21	ACC	EPG	14 00 30.4				70	264	-.6	
21	ACA	EPG	14 00 30.8				65	263	.6	
21	ACB	EPG	14 00 31.0				67	262	.4	
21	AND	EPG	14 00 31.6				76	271	-.2	
21	ADK	EP	15 17 39.6							
21	AMA	E(P)	15 18 1.5	9.8	.2					QP
21	ASD	E(P)	15 18 16.0	2.8	.2					NO S VISIBLE
21	ASB	E(P)	15 18 17.0	4.6	.2					
21	ASC	E(P)	15 18 17.7							
21	AND	E(P)	15 18 19.7							
21	15 37	11.78	51.22 N 177.97 W	DEPTH = 28.1 KM			FREE DEPTH SOLUTION			
ANDREANOF ISLANDS, ALEUTIAN ISLANDS										
21	AMA	IP D	15 37 26.0				80	276	.6	WHITE OUT
		IS	15 37 34.6						-.7	
21	ADK	IP	15 37 32.2				116	50	1.5	
		ES	15 37 45.1						.6	
21	ASD	EP	15 37 39.9	23.8	.1	3.69	188	277	-.6	
21	SSI	EP D	15 37 39.9				185	295	-.2	WHITE OUT
21	ASB	EP	15 37							

JAN 1972	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
21	17 55	22.75	51.64 N 179.06 E	DEPTH = 72.3 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
21	AND	EPG	17 55 33.5				12	220	.2	
21	ACB	EPG	17 55 33.6				20	175	-.0	
21	ACD	E(P)	17 55 33.9				25	168	.1	
21	ACE	EPG	17 55 33.9				28	164	-.1	
21	ANA	EPG	17 55 34.1				28	266	.2	
21	ASB	EPG	17 55 34.2	2.1	.1	2.29	34	158	-.1	
		ES	17 55 42.6						-.1	
21	ASD	EPG	17 55 34.3	2.5	.1	2.37	34	145	.0	
21	SSI	IPGC	17 55 35.1	30.1	.1	3.48	46	52	.0	
		ES	17 55 44.0						-.1	
21	RAT	EP	17 55 35.5				53	289	-.2	AMPL.OBSCURED
21	18 40	33.08	51.80 N 179.52 E	DEPTH = 82.0 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
21	ASC	EP	18 40 46.4				45	214	.1	
21	AND	EP	18 40 46.4				47	237	-.1	
21	ASD	E(P)	18 40 46.5	2.5	.1	2.44	47	196	.0	
21	ASB	EP	18 40 46.8	6.5	.2	2.55	52	202	-.0	
		E(S)	18 40 56.9						.0	
21	ANA	EP	18 40 47.7				62	253	.1	
21	ADK	EP	19 46 26.6							
		ES	19 47 3.9							
21	ADK	EP	21 04 33.2							
		ES	21 04 41.9							
21	21 12	13.65	51.73 N 179.87 E	DEPTH = 3.0 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
21	ASD	IPGC	21 12 23.3	11.2	.1	2.85	53	224	.1	
21	ASC	IPG	21 12 24.1				57	239	.0	
21	ASB	IPGC	21 12 24.5	29.3	.1	3.32	60	227	.0	
		IS	21 12 32.2						-.2	
21	ACA	E(P)	21 12 24.6				59	242	.2	
21	ACB	E(P)	21 12 24.8				62	241	-.1	
21	ACE	E(P)	21 12 24.8				61	233	.1	
21	AND	IPG	21 12 25.5				66	254	-.2	
21	ANA	IPG	21 12 28.4				84	263	-.1	
21	RAT	EP	21 12 31.8	3.7	.1	2.65	106	275	-.1	
		E(S)	21 12 45.4						.2	
21	21 41	55.13	51.72 N 176.25 E	DEPTH = 75.0 KM			FIXED DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
21	RAT	IP D	21 42 18.0				144	86	.2	QDIR.WHIT OUT.
21	ANA	EP	21 42 20.9				167	93	.3	
21	AND	E(P)	21 42 23.0				188	94	-.0	
21	ASC	EP	21 42 25.1				204	97	.1	
21	ASB	EP	21 42 25.9	23.8	.1		212	100	-.0	POOR TAMP
		E(S)	21 42 53.9						5.5	
21	ASD	EP	21 42 26.4	71.0	.2		217	98	-.2	POOR TAMP
21	SSI	EP	21 42 26.5	237.9	.3		231	84	-1.7	
21	AMA	E(P)	21 42 39.5				325	97	-.3	QP.TAMP OBSCURE
21	ADK	EP	21 43 4.2				487	85	4.6	
		ES	21 43 46.7						-.0	

JAN 1972	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
21	ADK	EP ES	21 45 28.8 21 45 41.7							
21	ASD	E(P)	23 23 35.6	2.8	.1	2.66				
21	ASB	E(P) ES	23 23 35.9 23 23 52.1	7.1	.1	3.06				
21	ADK	EP ES	23 32 28.9 23 32 37.0							
22	2 1	30.81	51.44 N 179.32 E	DEPTH = 60.3 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
22	ASD	IPGC IS	02 01 39.8 02 01 46.6	25.6	.1	3.27	5	165	-.0 .2	NICE LOCAL
22	ASB	IPGC IS	02 01 39.8 02 01 46.5	37.5	.1	3.44	10	211	-.1 -.1	
22	ACD	EPG	02 01 39.8				13	265	-.2	
22	ACE	EPG	02 01 39.8				11	248	-.1	
22	ASC	IPGD IS	02 01 40.0 02 01 46.6				11	284	.0 -.0	
22	ACA	EPG	02 01 40.1				15	289	.0	
22	ACB	EPG	02 01 40.2				16	280	.1	
22	AND	EPGD	02 01 40.8				29	299	.0	
22	ACF	EPG	02 01 40.8				25	293	.3	
22	ANA	EPGD	02 01 42.6				50	295	.2	
22	SSI	E(P) ES	02 01 42.8 02 01 51.4	33.2	.1	3.50	54	20	.0 -.1	QP
22	RAT	IPG IS	02 01 45.4 02 01 55.9	49.7	.1	3.7	79	301	-.0 -.2	
22	2 26	50.95	51.03 N 178.79 E	DEPTH = 49.4 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
22	ACD	EPG	02 27 1.5				51	28	-.3	
22	ACE	EPG	02 27 1.5				49	32	-.2	
22	ASB	EPG ES	02 27 1.8 02 27 9.6	8.6	.1	2.85	49	40	.2 .2	
22	ACB	EPG	02 27 2.0				53	23	-.0	
22	ACA	EPG	02 27 2.3				55	24	-.0	
22	ASD	EPG ES	02 27 2.4 02 27 10.5	6.9	.1	2.78	56	43	.0 -.2	
22	ASC	EPG	02 27 2.5				55	28	.2	
22	ACF	EPG	02 27 2.8				57	14	.3	
22	AND	EPG	02 27 2.8				61	11	-.1	
22	ANA	EP	03 08 21.1							
22	AND	EP	03 08 22.0							
22	ASD	EP	03 08 24.6	4.8	.1					NO S VISIBLE POSS REGIONAL
22	ADK	EP ES	04 54 1.5 04 54 12.8							
22	ADK	EP ES	05 36 23.2 05 36 39.3							
22	5 44	1.70	51.79 N 179.38 E	DEPTH = 201.5 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
22	ASD	EP	05 44 28.6	3.9	.1	2.94	44	184	-.1	
22	ASC	EP	05 44 28.7				39	203	.1	
22	AND	E(P)	05 44 28.7				39	230	.1	
22	ASB	EP E(S)	05 44 28.9 05 44 48.7	4.6	.1	3.01	49	191	.0 -.0	

JAN 1972	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
22	RAT	EP	05 44 29.7	4.9	.1	3.05	72	271	-.1	POOR TAMP
22	7 37	.56	51.17 N 178.65 E	DEPTH = 26.3 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
22	ACE	EPG	07 37 9.0				45	55	-.0	
22	ASB	IPGD	07 37 9.1	18.3	.1	3.08	47	63	-.2	
		ES	07 37 15.1						-.6	
22	ACD	EPG	07 37 9.1				44	50	.1	
22	ACB	IPGD	07 37 9.2				45	44	.1	
22	ACC	EPG	07 37 9.2				44	38	.2	
22	ASC	IPGD	07 37 9.6				48	48	.0	
22	ACA	IPGD	07 37 9.6				48	44	.2	
22	AND	IPGD	07 37 9.7				48	26	.1	
		ES	07 37 16.3						.2	
22	ACF	IPGD	07 37 9.7				46	32	.4	
22	ASD	IPGD	07 37 10.0	11.5	.1	2.92	54	63	-.4	QDIR
22	ANA	IPGD	07 37 10.1				51	1	.2	
22	RAT	EPG	07 37 12.8	4.5	.1	2.61	73	343	-.3	
		ES	07 37 21.7						-.6	
22	SSI	EPG	07 37 17.6	6.1	.1	2.87	103	39	-.0	
22	8 11	59.34	51.20 N 178.79 E	DEPTH = 40.6 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
22	ACE	EPG	08 12 7.8				35	49	-.1	1 OF 2 QUAKES
22	ACB	IPG	08 12 8.0				36	35	-.0	
22	ACC	EPG	08 12 8.0				36	29	-.1	
22	ACD	EPG	08 12 8.0				35	43	.1	
22	ASB	EPG	08 12 8.1	2.4	.1	2.20	36	60	.0	
		E(S)	08 12 14.4						-.0	
22	ACA	IPG	08 12 8.4				39	36	.1	
22	ACF	IPG	08 12 8.5				39	21	.1	
22	ASC	IPG	08 12 8.5				39	41	.1	
22	AND	IPGD	08 12 8.5				42	15	-.2	
22	ASD	EPG	08 12 8.8	1.4	.1	2.00	44	61	-.1	
22	8 12	5.15	51.23 N 178.83 E	DEPTH = 44.6 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
22	ACC	EPG	08 12 13.7				32	28	-.1	2 OF 2 QUAKES
22	ACD	EPG	08 12 13.7				31	44	-.0	
22	ACE	EPG	08 12 13.7				31	51	-.0	
22	ACB	IPG	08 12 13.8				32	35	-.0	
22	ASB	EPG	08 12 13.9	2.7	.1	2.25	33	63	.0	
		E(S)	08 12 20.2						-.0	
22	AND	IPG	08 12 14.2				38	13	-.2	
22	ACA	IPG	08 12 14.2				35	36	.1	
22	ASC	IPG	08 12 14.3				35	42	.2	
22	ACF	EPG	08 12 14.3				35	19	.2	
22	ASD	EPG	08 12 14.5	2.1	.1	2.18	40	63	-.1	
22	13 8	50.30	14.03 N 91.01 W	DEPTH = 102.0 KM, MB = 5.5			TELESEISMIC SOLUTION			
			GUATEMALA							
22	ADK	EP	13 20 30.6	223.4	.7		8500	321		
22	ASD	EP	13 20 45.2				8780	320		
		I	13 21 2.7							
22	AND	EP	13 20 45.2				8804	321		
22	ASB	EP	13 20 45.6				8787	320		
22	ASC	EP	13 20 46.4				8791	320		

JAN 1972	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
22	ANA	EP	13 20 47.5				8823	321		
22	14 58 52.19		51.82 N 179.93 E				DEPTH = 171.5 KM			FREE DEPTH SOLUTION
							RAT ISLANDS, ALEUTIAN ISLANDS			
22	ASD	EP	14 59 16.4	2.0	.1	2.59	62	221	.1	VQS
		E(S)	14 59 33.9						-.1	
22	ASC	EP	14 59 16.5				66	234	-.0	
22	ASB	EP	14 59 16.6	3.0	.1	2.78	69	223	-.1	VQS
		E(S)	14 59 34.6						.1	
22	ADK	EP	15 15 36.5							
		ES	15 15 44.3							
22	16 5 58.50		51.00 N 178.45 E				DEPTH = 32.2 KM			FREE DEPTH SOLUTION
							RAT ISLANDS, ALEUTIAN ISLANDS			
22	ACE	IPGC	16 06 10.4				68	48	-.1	
22	ASP	IPGC	16 06 10.6	32.9	.2	3.17	69	54	-.1	
		IS	16 06 19.6						.0	
22	ACD	EPG	16 06 10.6				68	45	.0	
22	ACB	IPGC	16 06 10.7				68	41	.1	
22	ACC	EPG	16 06 10.7				68	37	.1	
22	AND	IPGC	16 06 11.1				72	29	-.1	
22	ACA	IPGC	16 06 11.1				71	41	.0	
22	ASC	IPGD	16 06 11.2				72	44	.1	
22	ACF	IPGD	16 06 11.2				70	33	.3	
22	ASD	IPGC	16 06 11.4	9.8	.1	2.98	76	55	-.4	QDIR
22	ANA	IPGD	16 06 11.4				72	12	.3	QDIR
22	RAT	IP D	16 06 13.5	14.4	.1	3.20	90	355	-.2	QDIR
		ES	16 06 24.5						-.3	
22	SSI	EP	16 06 19.3	28.8	.1	3.63	127	38	.0	
22	ASD	E(P)	17 02 50.0	2.0	.1					NO S VISIBLE
22	ASB	E(P)	17 02 50.9	9.4	.2					
22	ASC	E(P)	17 02 51.1							
22	18 22 52.87		51.11 N 179.85 W				DEPTH = 28.2 KM			FREE DEPTH SOLUTION
							DELAROF ISLANDS, ALEUTIAN ISLANDS			
22	ASD	E(P)	18 23 4.2	2.1	.1	2.24	65	299	-.1	NO S VISIBLE
22	ASB	E(P)	18 23 4.9	3.1	.1	2.43	69	294	-.0	
22	ASC	E(P)	18 23 6.5				79	300	.1	
22	SSI	E(P)	18 23 8.8	6.3	.1	2.86	96	336	-.0	QP. QS.
		E(S)	18 23 20.4						-.0	
22	AND	E(P)	18 23 9.0				97	302	-.1	
22	ADK	E	18 38 11.4							
		ES	18 38 22.6							
22	19 48 56.45		51.29 N 178.71 E				DEPTH = 35.5 KM			FREE DEPTH SOLUTION
							RAT ISLANDS, ALEUTIAN ISLANDS			
22	ACB	EPG	19 49 4.3				32	54	.1	
22	AND	IPGD	19 49 4.5				34	29	.1	
22	ACA	EPG	19 49 4.5				35	53	-.0	
22	ACF	IPG	19 49 4.5				32	37	.3	
22	ASB	EPG	19 49 4.7	5.0	.1	2.50	38	78	-.1	
		ES	19 49 10.7						-.2	
22	ASC	IPG	19 49 4.8				37	59	.1	
		ES	19 49 10.8						.1	

JAN 1972	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
. 22	ANA	IPGC	19 49 5.1				37	355	.4	
. 22	ASD	EPG	19 49 5.5	4.1	.1	2.45	45	76	-.2	
.		ES	19 49 12.2						-.2	
. 22	RAT	IPG	19 49 7.7	12.2	.1	3.01	62	335	-.2	
.		ES	19 49 15.9						-.4	
. 22	SSI	E(P)	19 49 11.9	9.8	.1	3.04	90	42	.0	POOR TAMP
.		IS	19 49 23.1						-.0	
.....										
. 22	21 50 39.50	20.43 S 172.88 E		DEPTH = 33.0 KM		MB = 5.3		MS = 6.3		TELESEISMIC SOLUTION
NEW HEBRIDES ISLANDS REGION										
. 22	ADK	EP	22 02 4.0			8070	7			
.....										
. 22	22 13 .23	51.38 N 178.73 E		DEPTH = 25.0 KM		FIXED DEPTH SOLUTION				
RAT ISLANDS, ALEUTIAN ISLANDS										
. 22	AND	EPG	22 13 6.3			25	37	.2		
.		E(S)	22 13 10.1					-.3		
. 22	ACA	EPG	22 13 6.8			29	67	.2		
. 22	ANA	EPG	22 13 6.9			28	350	.5		
. 22	ASC	EPG	22 13 7.1			31	73	.3		
. 22	ASD	EPG	22 13 8.0	1.1	.1	1.83	42	88	-.3	
.		ES	22 13 13.9					-.3		
. 22	RAT	EPG	22 13 9.5	3.0	.1	2.33	54	329	-.5	
.....										
. 22	22 37 41.30	18.11 S 174.52 W		DEPTH = 135.0 KM		MB = 5.2		TELESEISMIC SOLUTION		
TONGA ISLANDS										
. 22	ADK	EP	22 48 37.9			7753	359			
.....										
23	ADK	EP	00 43 22.8							
		ES	00 43 34.1							
23	RAT	EP	01 32 11.7							
23	ANA	EP	01 32 15.8							
		ES	01 32 47.2							
23	AMA	EP	01 32 17.2							
23	AND	EP	01 32 18.3							
23	ASB	EP	01 32 21.0							
23	ASD	EP	01 32 23.0	18.1	.3					
23	ADK	EP	04 53 47.4							
		ES	04 53 53.8							
.....										
. 23	6.22 28.48	51.75 N 176.39 E		DEPTH = 75.0 KM		FIXED DEPTH SOLUTION				
RAT ISLANDS, ALEUTIAN ISLANDS										
. 23	RAT	IP	06 22 49.4	77.0	.1	4.11	134	87	-.6	
. 23	ANA	EP	06 22 51.9				157	94	-.8	
. 23	AND	EP	06 22 55.0				178	96	-.2	
. 23	ASC	EP	06 22 57.3				194	99	.1	
. 23	ASB	EP	06 22 58.7	5.5	.1		202	101	.6	
. 23	ASD	EP	06 22 58.9	6.7	.1		208	100	.1	
.		ES	06 23 20.9						-.1	
. 23	SSI	EP	06 23 1.3	17.7	.1		220	85	1.0	
.....										

JAN 1972	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
23	8 53		22.20	58.27 N	151.69 W	DEPTH = 34.0 KM	MB = 4.6			TELESEISMIC SOLUTION
KODIAK ISLAND REGION										
23	11 35		57.02	51.84 N	178.26 W	DEPTH = 127.1 KM	MB = 4.9			FREE DEPTH SOLUTION
DELAROF ISLANDS, ALEUTIAN ISLANDS										
23	AMA	IP D	11 36 17.7				85	224	.0	
23	SSI	IP C	11 36 23.2				148	273	-.0	
23	ADK	IP D	11 36 24.0				109	87	4.4	FELT III. 5.3ML
		ES	11 36 37.4						1.4	
23	ASD	IP C	11 36 25.7				173	254	-.1	WHITEOUT
23	ASB	IP C	11 36 26.5				180	254	-.1	ASB3 OVERLOADED
23	ASC	IP D	11 36 26.9				183	258	.1	
23	AND	IP C	11 36 28.0				195	262	-.1	
23	ANA	IP	11 36 30.3				213	265	.2	
23	RAT	IP C	11 36 32.4				235	270	-.1	
23	SMY	IP C	11 37 7.8				529	284	.3	
23	NIK	EP	11 37 28.5				651	75	6.2	
23	GMA	EP	11 39 45.8				1801	26	1.9	
23	12 54		16.10	20.90 S	178.64 W	DEPTH = 603.0 KM	MB = 4.8			TELESEISMIC SOLUTION
FIJI ISLANDS REGION										
23	ADK	EP	13 04 42.8	73.6	.6		8060	1		
23	ADK	EP	18 12 16.1							
		ES	18 12 41.7							
23	21 13		59.92	51.41 N	178.60 E	DEPTH = 59.1 KM				FREE DEPTH SOLUTION
RAT ISLANDS, ALEUTIAN ISLANDS										
23	ANA	IP	21 14 9.5				25	9	.0	
23	AND	IP	21 14 9.8				30	54	.0	
		IS	21 14 17.0						.0	
23	ASC	IP	21 14 10.5				39	80	.0	
23	21 17		52.10	13.17 S	166.37 E	DEPTH = 33.0 KM	MB = 5.9	MS = 7.1		TELESEISMIC SOLUTION
NEW HEBRIDES ISLANDS										
23	ADK	EP	21 28 45.3				7387	11		
24	SSI	IP	06 15 42.2	48.8	.1					
24	AMA	IP	06 15 43.8	4.0	.1					
24	ASD	EP	06 15 45.1	6.4	.1					
24	ASB	EP	06 15 46.0							
		ES	06 16 45.5							
24	ASC	EP	06 15 46.1							
24	AND	EP	06 15 47.8							
24	ADK	EP	06 34 28.4							
		ES	06 34 43.9							
24	ADK	EP	06 53 42.4							
		ES	06 53 57.2							

JAN 1972	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
24	7 44	19.21	51.05 N 179.97 W	DEPTH = 25.0 KM			FIXED DEPTH SOLUTION			
DEAROF ISLANDS, ALEUTIAN ISLANDS										
24	ASD	EP	07 44 29.8	5.2	.1	2.61	61	309	-.2	
		IS	07 44 37.9						.0	
24	ASB	EP	07 44 30.7	8.4	.1	2.84	65	303	.2	
24	ASC	EP	07 44 32.3				76	308	.1	
24	ACB	IP	07 44 32.6				80	305	-.2	
24	ACA	IP	07 44 32.8				80	307	.1	
24	ACC	IP	07 44 33.6				84	305	.2	
24	AND	EP	07 44 34.6				94	308	-.3	
24	SSI	IP	07 44 35.6	28.8	.1	3.53	99	342	.0	
.....										
24	8 42	10.20	51.41 N 179.88 E	DEPTH = 52.1 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
24	ASD	IP	08 42 19.8	14.1	.1	3.03	37	267	-.2	
24	ASB	IP	08 42 20.9	16.0	.1	3.11	44	263	.3	
		ES	08 42 28.0						-.2	
24	ACE	EP	08 42 21.1				49	269	.0	
24	ASC	IP	08 42 21.3				50	277	.1	
24	ACD	EP	08 42 21.3				52	273	-.0	
24	ACA	EP	08 42 21.6				53	279	.1	
24	ACB	EP	08 42 21.7				55	277	.0	
24	SSI	IP D	08 42 22.0	48.8	.1	3.65	57	340	.1	
24	ACC	EP	08 42 22.0				59	279	-.1	
24	AND	EP	08 42 22.7				66	285	-.2	
24	AMA	IP	08 42 23.5	4.8	.1	2.69	72	100	-.0	
.....										
24	ADK	EP	09 33 41.2							
		ES	09 33 50.4							
24	ADK	EP	15 50 39.3							
		ES	15 50 48.3							
.....										
24	16 36	28.94	51.33 N 179.62 E	DEPTH = 60.1 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
24	ASD	IP	16 36 38.3	24.4	.1	3.27	21	289	-.1	
24	ASB	EP	16 36 38.7	40.5	.1	3.50	26	278	-.0	
		IS	16 36 45.8						-.0	
24	ASC	EP	16 36 39.5				35	295	.2	
24	AND	EP	16 36 40.7				53	299	-.1	
.....										
24	17 25	13.10	55.33 N 159.53 W	DEPTH = 27.0 KM MB = 4.8			TELESEISMIC SOLUTION			
ALASKA PENINSULA										
24	NIK	EP	17 26 41.4				663	251		
24	GMA	IP	17 27 43.7				1131	356		
.....										
24	ADK	EP	17 41 17.8							
		ES	17 41 25.6							
.....										
24	19 38	7.10	26.14 S 177.24 W	DEPTH = 92.0 KM MB = 5.5			TELESEISMIC SOLUTION			
SOUTH OF FIJI ISLANDS										
24	ADK	EP	19 49 54.8	187.5	.6		8639	0		
.....										

JAN 1972	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
25	2 6	23.30	22.46 N 122.26 E	DEPTH =	33.0 KM	MB = 6.3	MS = 7.5	TELESEISMIC SOLUTION		
			TAIWAN REGION							
25	AND	EP	02 15 32.4				5797	41		
25	ASC	EP	02 15 33.1				5809	42		
25	ASD	EP	02 15 33.5				5820	42		TELE
25	ASB	EP	02 15 33.6				5813	42		
25	ANA	EP	02 15 34.3				5779	41		
25	ADK	EP	02 15 51.8				6101	42		
		E	02 15 58.6							
		E	02 16 6.9							
25	ADK	EP	02 58 24.6							
		ES	02 58 32.8							
25	ADK	EP	03 13 56.1							
		ES	03 14 15.1							
25	3 14	59.69	51.23 N 178.54 E	DEPTH =	41.9 KM					FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
25	AND	EP	03 15 9.6				47	38	-.1	
25	ASC	EP	03 15 10.3				51	59	.1	
		ES	03 15 17.8						-.0	
25	ASD	EP	03 15 11.1	2.9	.1	2.40	59	72	-.1	
25	RAT	IP	03 15 12.0	17.4	.1	3.20	65	347	.1	
25	SSI	EP	03 15 16.7				103	44	.0	
25	3 41	23.70	23.03 N 122.15 E	DEPTH =	33.0 KM	MB = 5.9	MS = 7.0	TELESEISMIC SOLUTION		
			TAIWAN REGION							
25	ANA	EP	03 50 32.2				5739	42		
25	ASB	EP	03 50 33.4				5773	42		
25	AND	EP	03 50 33.8				5757	42		
25	ASC	EP	03 50 34.0				5769	42		
25	ASD	EP	03 50 34.2				5780	42		TELE
25	ADK	EP	03 50 50.6	3500.0	1.7		6061	42		
25	ADK	EP	04 02 16.5							
		ES	04 02 40.5							
25	7 30	20.77	51.47 N 178.19 E	DEPTH =	49.3 KM					FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
25	RAT	IP	07 30 30.1	34.8	.1	3.41	37	15	-.2	
25	ANA	IP	07 30 30.4				37	62	.2	
25	AND	IP	07 30 31.9				54	79	-.0	
25	ACC	IP	07 30 32.6				59	89	.1	
25	ACB	IP	07 30 33.0				62	91	.1	
25	ACA	IP	07 30 33.2				64	89	.1	
25	ACD	IP	07 30 33.4				66	94	.1	
25	ASC	IP	07 30 33.6				67	91	.1	
25	ASB	IP	07 30 34.1	18.2	.1	3.27	74	99	-.2	
		IS	07 30 43.9						-.3	
25	ASD	IP	07 30 34.9	31.2	.1	3.33	80	96	-.1	
25	SSI	IP	07 30 38.3	33.2	.1	3.65	107	64	.0	

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JAN 1972	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
25	11 23	52.35	51.83 N 177.82 E	DEPTH = 65.8 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
25	RAT	IP	11 24 3.3	17.4	.1	3.18	35	96	.0	
25	ANA	EP	11 24 5.6				62	111	.0	
25	AND	EP	11 24 7.5				84	111	-.3	
25	ASC	EP	11 24 10.3				102	113	.5	
25	ASB	EP	11 24 10.9	7.2	.1	3.02	112	118	-.0	
		ES	11 24 24.5						.0	
25	ASD	EP	11 24 11.2	4.5	.1	2.82	116	114	-.2	
25	SSI	IP	11 24 12.1	8.9	.1	3.14	122	86	.0	
25	12 59	44.84	50.53 N 177.75 E	DEPTH = 0.0 KM			FIXED DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
25	ACC	IP	13 00 8.3				140	40	-.1	
25	ANA	IP	13 00 8.4				138	27	.3	
25	ASB	IP	13 00 8.6	16.0	.1	3.40	140	48	.2	
		ES	13 00 25.6						-.0	
25	ACB	IP	13 00 8.6				140	42	.1	
25	AND	IP	13 00 8.8				142	36	-.0	
25	ACA	IP	13 00 9.0				143	42	.1	
25	ASC	IP	13 00 9.1				143	43	.1	
25	ASD	IP	13 00 9.3	11.3	.1	3.27	147	49	-.2	
25	RAT	IP	13 00 9.4	74.5	.1	4.08	147	16	-.1	
25	SSI	IP	13 00 17.0	66.5	.1	4.15	199	39	-.3	
25	ADK	EP	14 00 40.2							
		ES	14 00 47.7							
25	15 4	28.40	22.54 N 141.93 E	DEPTH = 220.0 KM			TELESEISMIC SOLUTION			
VOLCANO ISLANDS REGION										
25	ADK	EP	15 12 9.9	174.2	.9		4803	37		
25	ADK	EP	17 26 30.2							
		ES	17 26 26.8							
25	22 29	35.07	51.55 N 179.61 W	DEPTH = 121.3 KM			FREE DEPTH SOLUTION			
DELAROF ISLANDS, ALEUTIAN ISLANDS										
25	ASD	EP	22 29 54.3	3.4	.1	2.73	75	257	-.1	
		ES	22 30 8.5						.0	
25	ASP	EP	22 29 54.9				82	256	-.0	
25	ASC	EP	22 29 55.4				85	264	.2	
25	AND	EP	22 29 56.2				99	271	-.1	
25	23 58	2.69	52.11 N 178.83 E	DEPTH = 88.1 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
25	RAT	IP	23 58 16.8	10.9	.1	3.10	49	225	-.0	
25	ANA	IP	23 58 17.3				55	192	.0	
25	AND	IP	23 58 17.8				62	172	.0	
25	ASC	EP	23 58 19.0				76	162	.0	
25	ASD	IP	23 58 20.0	7.4	.1	3.02	88	156	-.1	
		ES	23 58 32.7						-.0	

JAN 1972	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
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26	2 18 30.48		50.98 N 178.52 E	DEPTH = 50.0 KM			FIXED DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										

26	ACB	IP	02 18 43.1				67	37	-.1	
26	AND	IP	02 18 43.6				71	25	-.1	
26	ACA	IP	02 18 43.6				69	37	.1	
26	ASC	EP	02 18 43.7				70	40	.2	
26	ASD	EP	02 18 43.8	3.5	.1	2.56	73	51	-.1	
		ES	02 18 53.7						-.0	
26	ANA	EP	02 18 43.8				72	8	-.0	

26	4 35 32.83		51.33 N 179.89 E	DEPTH = 25.0 KM			FIXED DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										

26	ASD	IP	04 35 40.3	4.5	.1	2.41	39	280	-.1	
26	ASB	IP	04 35 41.3	9.3	.1	2.77	45	274	.0	
		IS	04 35 47.4						-.0	
26	ASC	IP	04 35 42.5				53	286	.2	
26	AND	EP	04 35 44.8				70	292	-.1	

26	ADK	EP	05 19 57.1							
		ES	05 20 12.2							

26	7 29 25.31		50.93 N 178.17 W	DEPTH = 0.0 KM			FIXED DEPTH SOLUTION			
ANDREANOF ISLANDS, ALEUTIAN ISLANDS										

26	AMA	EP	07 29 40.0	19.5	.1	3.25	77	302	.7	
26	ADK	EP	07 29 50.3				148	44	.1	
		ES	07 30 5.4						-2.9	
26	ASD	EP	07 29 54.6	2.7	.1	2.72	181	287	-.5	
		ES	07 30 16.8						-.1	
26	SSI	EP	07 29 55.3				189	305	-1.1	
26	ASB	EP	07 29 56.3	4.6	.1	2.97	187	286	.3	
26	ASC	EP	07 29 57.7				195	289	.4	

26	AMA	IP	10 05 7.5	32.4	.1					
26	ADK	IP	10 05 13.1							
		ES	10 05 26.6							
26	ASD	EP	10 05 21.6	10.1	.1					
		IS	10 05 45.6							
26	SSI	IP	10 05 22.7	35.5	.1					
26	ASB	EP	10 05 22.9	9.5	.1					
26	ASC	EP	10 05 24.5							
26	AND	EP	10 05 28.0							

26	11 2 45.54		51.50 N 179.95 W	DEPTH = 71.9 KM			FREE DEPTH SOLUTION			
DELAROF ISLANDS, ALEUTIAN ISLANDS										

26	ASD	IP	11 02 58.1	11.5	.1	3.07	50	256	-.1	
26	SSI	IP	11 02 58.5	26.6	.1	3.44	54	324	.0	
26	ASB	IP	11 02 58.9	6.8	.1	2.86	58	255	.1	
		IS	11 03 8.5						.0	
26	ASC	IP	11 02 59.2				61	266	.1	
26	AND	IP	11 03 .5				76	276	-.0	

JAN 1972	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
26	12 9	58.69	51.29 N 178.72 E	DEPTH = 40.2 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
26	AND	IP	12 10 7.3				35	27	.1	
26	ASB	IP	12 10 7.4				37	77	-.1	
		IS	12 10 13.8						-.1	
26	ANA	IP	12 10 7.5				38	354	-.1	
26	ASD	EP	12 10 8.4	2.0	.1	2.15	45	75	.1	
26	SSI	IP	12 10 14.2	10.7	.1	3.08	90	41	-.0	
26	ADK	EP	14 14 51.9							
		ES	14 15 .4							
26	ADK	EP	14 20 59.1							
		ES	14 21 6.1							
26	ADK	EP	14 30 1.8							
26	ADK	EP	14 33 16.3							
		ES	14 33 24.9							
26	17 11	58.83	51.20 N 178.59 E	DEPTH = 34.9 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
26	AND	IP	17 12 8.2				47	32	-.1	
26	ANA	IP	17 12 8.3				47	6	.0	
26	ASB	IP	17 12 8.4	36.5	.1	3.42	49	69	-.1	
		IS	17 12 15.5						-.0	
26	ASC	IP	17 12 8.7				49	54	.2	
26	SSI	IP	17 12 16.1	95.9	.2	3.77	103	42	-.0	
26	ADK	EP	20 41 5.6							
		ES	20 41 30.9							
26	23 0	24.40	20.18 S 178.95 W	DEPTH = 668.0 KM MB = 5.7			TELESEISMIC SOLUTION			
			FIJI ISLANDS REGION							
26	ASD	EP	23 10 39.4				7926	359		TELE
26	ASB	EP	23 10 39.5				7923	359		
26	ANA	EP	23 10 39.6				7954	358		
26	ASC	EP	23 10 40.3				7934	359		
26	AND	EP	23 10 40.5				7946	359		
26	ADK	IP D	23 10 42.0	6383.0	.7		7982	1		
		AP	23 12 55.9							
26	23 32	36.50	20.18 S 178.99 W	DEPTH = 689.0 KM MB = 5.1			TELESEISMIC SOLUTION			
			FIJI ISLANDS REGION							
26	ADK	IP D	23 42 52.6	312.8	.7		7981	2		
27	3 31	9.32	51.56 N 178.80 E	DEPTH = 21.3 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
27	AND	IP	03 31 13.3				11	88	-.0	
		IS	03 31 16.2						-.1	
27	ANA	IP	03 31 13.6				12	309	.2	
27	ASB	IP	03 31 16.6	57.8	.1	3.49	38	125	-.0	
27	RAT	IP	03 31 17.0	39.7	.1	3.36	42	310	-.1	
27	ASD	IP	03 31 17.2	58.4	.1	3.53	42	116	.0	
27	SSI	EP	03 31 20.7				66	56	.0	POOR

JAN 1972	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
..... 27 9 20 34.43 51.46 N 178.68 E DEPTH = 29.9 KM FREE DEPTH SOLUTION RAT ISLANDS, ALEUTIAN ISLANDS										
27	AND	IP	09 20 39.8				22	59	-.7	
27	ANA	IP	09 20 40.0				19	356	-.2	
27	ASC	IP	09 20 41.9				34	89	.1	
27	ASB	IP	09 20 43.1	992.4	.2	4.48	41	105	.4	
27		IS	09 20 48.4						-.3	
27	RAT	IP C	09 20 43.4				45	328	.2	
27	ASD	IP	09 20 43.6				47	99	.2	
27	SSI	IP	09 20 48.4				79	52	.4	
27	AMA	IP	09 20 58.5				155	96	-.3	
..... 27 ADK EP 12 19 56.4 ES 12 20 4.9 27 ADK EP 12 40 5.7 ES 12 40 14.7										
..... 28 1 16 21.70 19.38 S 169.11 E DEPTH = 124.0 KM MB = 6.1 TELESEISMIC SOLUTION NEW HERRIDES ISLANDS										
28	ADK	EP	01 27 32.7	1362.5	1.5		8010	9		
..... 28 ASB IP 14 02 57.9 ES 14 03 14.1 28 ASD IP 14 02 58.4 5.3 .1 2.95										
..... 28 20 0 30.71 51.26 N 178.77 E DEPTH = 50.0 KM FIXED DEPTH SOLUTION RAT ISLANDS, ALEUTIAN ISLANDS										
28	ASB	IP	20 00 40.0	6.6	.1	2.68	35	71	-.1	
28		ES	20 00 46.5						-.4	
28	AND	IP D	20 00 40.3				36	20	.1	
28	ASC	IP	20 00 40.4				35	50	.3	
28	ASD	IP	20 00 40.7	3.5	.1	2.44	42	70	-.0	
28	ANA	IP	20 00 40.8				41	349	.1	
28	RAT	IP	20 00 43.2	3.8	.1	2.57	67	333	-.3	
..... 28 AMA IP 21 12 59.7 136.7 .2 28 ADK EP 21 13 10.4 ES 21 13 26.1 28 ASD EP 21 13 13.7 8.7 .1 3.23 ES 21 13 33.4 28 ASB EP 21 13 15.6 28 ASC EP 21 13 16.3 28 AND EP 21 13 18.1 28 ADK EP 21 27 18.8 ES 21 27 28.5 29 RAT EP 01 00 39.8 29 ASD EP 01 00 40.0 2.8 .1 2.57 ES 01 00 52.8 29 ADK IP C 01 58 27.5 49.1 .6										

AMPL. OBSCURED

JAN 1972	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
29	2 54	12.54	51.93 N 179.51 E	DEPTH = 178.2 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
29	ASD	EP	02 54 37.1	3.8	.1	2.89	61	191	-.3	
29	AND	EP	02 54 37.1				56	224	-.1	
29	ASB	EP	02 54 37.6	5.0	.1	3.01	66	196	-.0	
		ES	02 54 55.9						-.0	
29	ASC	E(P)	02 54 37.7				57	205	.5	
29	RAT	EP	02 54 38.4	4.8	.1	3.01	82	260	-.0	
29	3 16	38.76	51.42 N 178.84 E	DEPTH = 0.0 KM			FIXED DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
29	AND	EPG	03 16 41.5				17	26	-.4	AND LOCAL
		IS	03 16 43.8						-.4	
29	ACA	IPG	03 16 42.0				20	72	-.4	
		ES	03 16 44.7						-.4	
29	ACB	EPG	03 16 42.2				18	76	.2	
29	ASC	EPG	03 16 42.3				23	79	-.6	
29	ACD	EPG	03 16 42.7				20	89	.2	
29	ACF	E(P)	03 16 43.8				15	43	2.2	
29	ASB	EPG	03 16 44.0	2.8	.1	2.02	29	104	-.0	
		IS	03 16 48.0						.2	
29	ANA	EPG	03 16 44.0				26	331	.5	
29	RAT	E(P)	03 16 48.1	4.6	.1	2.49	55	320	-.6	
29	4 20	9.11	51.59 N 179.28 W	DEPTH = 0.0 KM			FIXED DEPTH SOLUTION			
			DELAROF ISLANDS, ALEUTIAN ISLANDS							
29	AMA	IPGD	04 20 16.1				36	161	.5	
29	ASD	EP	04 20 26.0	9.8	.1	3.34	98	257	-.4	
29	ASB	EP	04 20 26.7	11.4	.1	3.14	106	257	-.8	
		E(S)	04 20 41.3						.4	
29	ASC	EP	04 20 28.3				109	263	.3	
29	SSI	IP D	04 20 29.0	84.2	.1	3.92	85	294	4.6	TAMP ESTIMATED
		E(S)	04 20 43.0						7.4	
29	AND	EP	04 20 29.4				123	269	-.7	
29	ADK	EP	04 20 39.0				182	79	-.0	
		ES	04 21 .4						-.4	
29	5 11	20.05	52.00 N 179.43 E	DEPTH = 181.3 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
29	AND	E(P)	05 11 45.2				59	214	-.0	
29	ASD	EP	05 11 45.6	3.6	.1	2.39	69	185	-.0	
29	ASB	E(P)	05 11 45.8	1.7	.1	2.55	73	190	-.0	
		ES	05 12 4.6						-.0	
29	7 11	28.18	52.03 N 178.63 E	DEPTH = 95.5 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
29	RAT	EP	07 11 42.2	4.0	.1	2.66	33	219	-.1	
		ES	07 11 52.5						-.0	
29	ANA	EP	07 11 43.0				45	177	.1	
29	AND	EP	07 11 43.6				56	157	-.0	
		ES	07 11 54.8						-.1	
29	ASC	EP	07 11 45.1				73	149	.2	
29	ASB	EP	07 11 45.8	3.0	.1	2.63	86	150	-.2	
		ES	07 11 59.0						.1	
29	ASD	EP	07 11 45.9	3.5	.1	2.70	86	145	-.1	

JAN 1972	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
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29	8 41	48.50	7.79 S	158.30 E	DEPTH =	78.0 KM	MB = 5.1	TELESEISMIC SOLUTION		
SOLOMON ISLANDS										

29	ADK	EP	08 52 10.6	49.0	.6		7027	17		
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29	11 48	2.73	51.42 N	179.52 E	DEPTH =	58.7 KM	FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										

29	ASD	EPG	11 48 11.6	6.0	.1	2.63	13	257	-.1	
		ES	11 48 18.1						-.2	
29	ASB	IPGC	11 48 12.1	18.2	.1	3.13	20	252	.1	
		IS	11 48 18.9						.1	
29	ACE	IPG	11 48 12.1				24	266	-.1	
29	ACD	EPG	11 48 12.4				27	273	.0	
29	ASC	IPG	11 48 12.5				25	282	.2	
29	ACA	EPG	11 48 12.5				29	284	-.0	
29	ACB	EPG	11 48 12.6				30	280	-.0	
29	AND	IPG	11 48 13.5				43	292	-.1	
29	ACF	E(P)	11 48 13.5				39	288	.3	
29	ANA	EPG	11 48 15.4				64	292	-.2	

29	AMA	IP D	13 34 44.6	28.7	.2					
29	ASD	E(P)	13 34 54.1	4.1	.1	2.71				
29	ASB	E(P)	13 34 55.0	8.4	.1	3.05				
		E(S)	13 35 8.0							
29	AND	E(P)	13 34 58.4							
29	ANA	E(P)	13 35 1.1							

VERY POOR EVENT
COMPLICATED

29	14 54	45.83	51.35 N	178.58 E	DEPTH =	55.5 KM	FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										

29	ANA	EPG	14 54 55.6				32	10	.1	
		ES	14 55 2.4						-.1	
29	AND	EPG	14 54 55.8				35	47	.1	
		ES	14 55 3.0						.0	
29	ACE	E(P)	14 54 56.2				42	82	-.1	
29	RAT	I(P)	14 54 57.3	8.2	.1	2.87	53	341	-.1	QTAMP

29	AND	IPGD	16 42 3.6							
		ES	16 42 6.6							
29	ANA	EPG	16 42 3.8							
29	ACA	EPG	16 42 5.2							
29	ASD	EPG	16 42 7.6	2.7	.1	2.20				
		ES	16 42 13.0							

29	21 29	41.13	51.54 N	178.79 E	DEPTH =	19.0 KM	FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										

29	AND	IPGD	21 29 44.8				12	78	-.1	
		IS	21 29 47.8						.1	
29	ACF	IPG	21 29 44.8				15	96	-.4	
29	ANA	EPG	21 29 45.1				13	318	.1	
29	ACB	EPG	21 29 46.4				23	112	.2	
29	ACA	EPG	21 29 46.5				24	106	.2	
29	ASC	E(P)	21 29 47.0				28	108	.2	
29	ACD	E(P)	21 29 47.0				27	117	.2	
29	ASB	E(P)	21 29 47.9	4.2	.1	2.34	38	122	-.3	
		IS	21 29 53.3						-.1	
29	ASD	EPG	21 29 48.7	3.2	.1	2.26	42	113	-.1	
		ES	21 29 54.5						.0	

JAN 1972	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....TELESEISMIC SOLUTION.....										
30	2 12	11.40	51.80 N 176.59 W	DEPTH = 70.0 KM MB = 4.4			TELESEISMIC SOLUTION			
			ANDREANOF ISLANDS, ALEUTIANS ISLANDS							
30	ADK	IP 0	02 12 20.1				11	324	-1.6	FELT III ADK.
		ES	02 12 27.1						-2.1	
30	AMA	IP	02 12 38.2				184	253	-0.5	WHITE OUT
30	SSI	E(P)	02 12 49.5	108.6	.1		263	274	1.2	POOR TAMP
30	ASD	IP	02 12 51.8	291.6	.4		285	262	.8	
30	ASB	IP	02 12 52.8	454.4	.3		292	262	.9	QS
		E(S)	02 13 26.2						4.7	
30	ASC	EP	02 12 53.5				296	264	1.1	
30	AND	EP	02 12 55.0				309	267	1.1	REGIONAL
30	ANA	EP	02 12 57.8				328	268	1.5	
30	RAT	EP	02 13 .3	181.8	.4		350	272	1.3	
30	NIK	E(P)	02 13 25.0				541	73	2.4	
30	SMY	E(P)	02 13 36.0				642	283	1.0	
30	GMA	EP	02 15 55.0				1755	24	2.7	
.....										
30	ADK	EP	02 21 38.4							
		ES	02 21 45.4							
30	ADK	EP	02 21 41.1							
		ES	02 21 48.1							
30	ADK	EP	02 30 10.2							
		ES	02 30 17.1							
.....FREE DEPTH SOLUTION.....										
30	2 44	47.20	51.58 N 178.81 E	DEPTH = 19.5 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
30	AND	IPGD	02 44 50.9				10	101	-0.0	
		IS	02 44 53.8						.1	
30	ACF	IPGC	02 44 51.0				14	115	-0.3	
		IS	02 44 54.0						-0.3	
30	ANA	IPGC	02 44 51.2				12	297	.1	QDIR
30	ACA	EPG	02 44 52.6				24	117	.2	
30	ACB	EPG	02 44 52.6				23	124	.3	
30	ACD	EPG	02 44 53.1				28	126	.1	
30	ACE	EPG	02 44 53.5				32	128	-0.0	
30	ASB	EPG	02 44 54.3	8.4	.1	2.65	39	129	-0.2	
		ES	02 44 59.6						-0.2	
30	RAT	IPG	02 44 54.7	6.3	.1	2.55	41	307	-0.1	
30	ASD	EPG	02 44 55.0	8.4	.1	2.68	42	119	.0	
		IS	02 45 .7						.0	
.....FIXED DEPTH SOLUTION.....										
30	2 50	57.27	51.38 N 178.97 E	DEPTH = 25.0 KM			FIXED DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
30	ACA	EPG	02 51 2.1				15	43	.0	
30	ASB	EPG	02 51 2.5	1.9	.1	1.88	19	97	-0.0	
		IS	02 51 7.8						1.5	
30	ASD	EPG	02 51 3.2	2.1	.1	1.98	26	88	-0.0	
.....V.SMALL LOCAL.....										
30	AND	IPGD	02 51 59.1							
		ES	02 52 2.0							
30	ACF	EPG	02 51 59.2							
		IS	02 52 2.2							
30	ANA	EPG	02 51 59.4							

JAN 1972	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
30	5 46	36.07	51.79 N 179.82 W	DEPTH = 89.1 KM			FREE DEPTH SOLUTION			
DEJAROF ISLANDS, ALEUTIAN ISLANDS										
30	ASD	EP	05 46 52.1	3.5	.1	2.66	73	233	-.1	
		ES	05 47 3.9						.0	
30	ASB	EP	05 46 52.8	5.2	.1	2.85	80	234	.0	
		ES	05 47 5.0						-.0	
30	ASC	EP	05 46 52.8				79	243	.1	
30	AND	EP	05 46 53.5				88	254	-.0	
.....										
30	12 59	56.04	51.33 N 178.93 E	DEPTH = 47.5 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
30	ASB	EPG	13 00 4.2	7.4	.1	2.67	22	81	-.0	
		ES	13 00 10.1						-.1	
30	AND	EPG	13 00 4.2				26	4	-.3	
30	ACA	E(P)	13 00 4.3				22	38	.1	VQP. NOISY
30	ACF	E(P)	13 00 4.3				22	12	.1	VQP. NOISY
30	ASC	EPG	13 00 4.5				22	48	.3	
30	ASD	EPG	13 00 4.6	3.2	.1	2.34	30	76	-.1	
.....										
30	19 16	13.38	51.69 N 179.96 E	DEPTH = 24.7 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
30	SSI	IPG	19 16 20.6	168.5	.1	3.95	35	312	.2	
		ES	19 16 25.3						-.2	
30	ASD	IPG	19 16 23.0	44.9	.1	3.51	54	233	-.1	
		ES	19 16 30.2						.0	
30	ASC	EPG	19 16 24.1				61	246	.1	
30	ASB	IPG	19 16 24.2	38.3	.1	3.48	61	234	.0	
		IS	19 16 32.1						.1	
30	AND	EPG	19 16 25.5				71	259	-.1	
30	AMA	IP	19 16 26.6	74.1	.2	3.55	78	124	.0	
30	RAT	EP	19 16 31.8	71.1	.2	3.67	113	277	-.1	
		ES	19 16 45.5						.1	
.....										
31	4 27	58.62	51.29 N 179.40 E	DEPTH = 46.5 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
31	ASD	IP	04 28 6.1	19.9	.1	3.06	12	339	-.0	
31	ASB	IP	04 28 6.2	34.3	.1	3.30	13	306	.0	
		IS	04 28 11.7						-.0	
31	ASC	IP	04 28 7.0				25	319	.1	
31	AND	IP	04 28 8.5				44	314	-.0	
.....										
31	5 50	54.70	52.48 N 170.60 W	DEPTH = 52.0 KM MB = 4.7			TELESEISMIC SOLUTION			
FOX ISLANDS, ALEUTIAN ISLANDS										
31	NIK	EP	05 51 14.3				130	65		
31	ADK	EP	05 51 53.1				422	263		
		ES	05 52 47.4							
31	ASD	EP	05 52 29.4				702	264		REG
31	ASB	EP	05 52 30.3				710	264		
31	ASC	EP	05 52 30.5				712	265		
31	AND	EP	05 52 31.9				724	266		
.....										
31	AMA	IP	12 31 2.6	86.5	.1					
31	ASD	EP	12 31 15.7	7.4	.1	3.14				
		ES	12 31 34.2							

JAN 1972	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
31	ASB	EP	12 31 17.8	6.4	.1	3.10				
31	ASC	EP	12 31 19.6							
31	AND	EP	12 31 20.3							

31	12 33 16.45	51.57 N 179.77 E	DEPTH = 0.0 KM	FIXED DEPTH SOLUTION						
RAT ISLANDS, ALEUTIAN ISLANDS										
31	ASD	IP C	12 33 23.3	28.3	.1	3.10	36	236	.4	
31	ASB	IP	12 33 23.6	9.4	.1	2.70	43	237	-.6	
		ES	12 33 29.8						-.1	
31	ACE	EP	12 33 24.3				45	246	-.4	
31	ACD	EP	12 33 24.9				46	250	.0	
31	ASC	IP	12 33 25.0				43	254	.7	
31	ACA	EP	12 33 25.3				46	258	.5	
31	ACC	EP	12 33 25.3				51	260	-.4	
31	ACB	IP	12 33 25.4				48	256	.2	
31	AND	IP	12 33 27.1				56	269	.4	
31	ANA	EP	12 33 29.6				77	275	-.8	

31	12 52 25.36	50.87 N 178.63 W	DEPTH = 75.0 KM	FIXED DEPTH SOLUTION						
DELAROF ISLANDS, ALEUTIAN ISLANDS										
31	ASD	EP	12 52 48.3	4.5	.1	2.92	153	293	-.8	
		ES	12 53 6.5						-.0	
31	ASB	EP	12 52 50.5	4.1	.1	2.89	158	291	.8	
31	ASC	EP	12 52 50.8				168	294	-.1	
31	SSI	EP	12 52 51.0	17.7	.1	3.55	168	313	.1	
31	AND	EP	12 52 53.0				185	295	.0	

31	14 33 41.99	51.07 N 179.30 E	DEPTH = 0.0 KM	FIXED DEPTH SOLUTION						
RAT ISLANDS, ALEUTIAN ISLANDS										
31	ASD	IP	14 33 48.5	2.8	.1	2.11	36	5	-.1	
		IS	14 33 53.4						-.0	
31	ASC	IP	14 33 50.5				45	348	.3	
31	AND	EP	14 33 52.8				60	336	-.2	

31	17 32 32.06	51.95 N 177.70 E	DEPTH = 120.3 KM	FREE DEPTH SOLUTION						
RAT ISLANDS, ALEUTIAN ISLANDS										
31	RAT	IP	17 32 49.5	19.9	.1	3.45	46	111	-.1	
31	ANA	EP	17 32 51.5				75	118	.2	
31	AND	IP C	17 32 52.9				96	116	-.1	
31	ASC	EP	17 32 54.8				115	118	.3	
31	ASB	EP	17 32 55.4	1.7	.1	2.51	125	121	-.1	
31	ASD	EP	17 32 55.8	1.7	.1	2.51	129	118	-.1	
		ES	17 33 13.3						-.0	

31	20 29 50.28	51.24 N 179.95 W	DEPTH = 38.3 KM	FREE DEPTH SOLUTION						
DELAROF ISLANDS, ALEUTIAN ISLANDS										
31	ASD	IP	20 30 .8				52	289	.2	
31	AMA	IP	20 30 1.4				59	84	-.1	
31	ACE	IP	20 30 2.2				63	287	.1	
31	ACD	IP	20 30 2.6				67	289	.0	
31	ASC	IP	20 30 2.7				66	292	.2	
31	ACA	IP	20 30 3.1				70	293	.1	
31	ACB	IP	20 30 3.2				71	291	.1	
31	SSI	IP	20 30 4.4	39.9	.1	3.61	79	337	.1	
31	AND	EP	20 30 4.4				84	296	-.6	

JAN 1972	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
. 31	ANA	EP	20 30 7.8				105	295	-.0	
.....										
. 31	22	2 41.85	51.35 N 178.70 E	DEPTH = 28.4 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
. 31	AND	IP	22 02 48.5				29	37	-.0	
. 31	ES	IP	22 02 53.4						-.0	
. 31	ACC	IP	22 02 48.5				28	58	.1	
. 31	ACB	IP	22 02 48.6				30	66	-.0	
. 31	ACA	IP	22 02 48.8				33	64	-.1	
. 31	ASC	EP	22 02 49.2				35	69	.0	
. 31	SSI	IP	22 02 56.4	5.1	.1	2.73	86	45	.0	
.....										

JAN HYPOCENTER SUMMARY

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JAN 1972	ORIGIN TIME (GMT)	LAT	LONG	DEPTH* (KM)	MB	MS	GEOGRAPHIC REGION
01	3 56 13.51	51.66 N	179.91 W	97.9 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
01	4 47 29.51	51.66 N	179.72 E	60.3 F			RAT ISLANDS, ALEUTIAN ISLANDS
01	21 24 49.32	51.38 N	177.03 E	50.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
02	15 6 24.52	51.90 N	175.13 E	200.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
02	18 16 28.00	59.35 N	153.75 W	96.0 T	4.5		SOUTHERN ALASKA
03	17 6 20.32	50.97 N	178.71 E	21.7 F	5.4	5.4	RAT ISLANDS, ALEUTIAN ISLANDS
03	17 23 14.75	51.14 N	178.97 E	33.8 F			RAT ISLANDS, ALEUTIAN ISLANDS
03	17 26 24.80	51.19 N	178.82 E	46.0 T	4.1		RAT ISLANDS, ALEUTIAN ISLANDS
03	17 31 29.40	51.14 N	178.92 E	46.0 T	5.1		RAT ISLANDS, ALEUTIAN ISLANDS
03	17 45 11.24	51.00 N	178.64 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
03	17 46 22.42	50.98 N	178.73 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
03	17 47 32.71	51.00 N	178.85 E	50.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
03	18 22 34.98	51.04 N	178.90 E	50.8 F			RAT ISLANDS, ALEUTIAN ISLANDS
03	18 43 59.22	50.96 N	178.81 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
03	20 6 .99	50.94 N	178.79 E	34.2 F	5.1		RAT ISLANDS, ALEUTIAN ISLANDS
03	20 46 27.38	51.02 N	178.85 E	50.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
03	23 6 26.21	50.93 N	178.78 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
04	3 16 54.50	22.55 N	122.11 E	33.0 T	6.1	6.9	TAIWAN REGION
04	10 52 36.57	51.27 N	179.50 W	73.5 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
04	12 20 38.69	51.03 N	178.80 E	50.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
04	13 3 36.36	51.34 N	179.46 E	54.7 F	4.6		RAT ISLANDS, ALEUTIAN ISLANDS
04	15 16 44.75	51.34 N	179.38 E	53.3 F			RAT ISLANDS, ALEUTIAN ISLANDS
04	20 7 35.70	23.84 S	179.95 E	558.0 T	4.9		SOUTH OF FIJI ISLANDS
05	0 58 54.90	51.15 N	178.87 E	49.0 T	5.1	4.3	RAT ISLANDS, ALEUTIAN ISLANDS
05	1 3 33.58	50.97 N	178.72 E	32.5 F			RAT ISLANDS, ALEUTIAN ISLANDS
05	1 18 59.80	51.25 N	178.95 E	46.0 T	4.4		RAT ISLANDS, ALEUTIAN ISLANDS
05	1 20 49.40	51.09 N	178.69 E	42.0 T	4.3		RAT ISLANDS, ALEUTIAN ISLANDS
05	1 31 34.72	50.95 N	178.67 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
05	2 30 6.70	50.97 N	178.79 E	38.8 F			RAT ISLANDS, ALEUTIAN ISLANDS
05	4 10 43.44	51.82 N	178.90 W	25.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
05	9 40 4.13	51.45 N	178.84 E	40.4 F			RAT ISLANDS, ALEUTIAN ISLANDS

JAN HYPOCENTER SUMMARY

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JAN 1972	ORIGIN TIME (GMT)	LAT	LONG	DEPTH* (KM)	MB	MS	GEOGRAPHIC REGION
05	13 20 54.12	51.12 N	180.00 E	37.1 F			RAT ISLANDS, ALEUTIAN ISLANDS
06	0 30 17.20	4.58 S	151.84 E	150.0 T	5.9		NEW BRITAIN REGION
06	13 4 26.41	50.98 N	179.03 E	0.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
06	17 26 22.39	51.00 N	178.66 E	20.6 F	4.0		RAT ISLANDS, ALEUTIAN ISLANDS
06	23 18 10.98	50.90 N	178.71 E	29.7 F			RAT ISLANDS, ALEUTIAN ISLANDS
06	23 19 5.89	50.89 N	178.75 E	29.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
07	0 44 52.05	51.87 N	179.86 E	68.1 F			RAT ISLANDS, ALEUTIAN ISLANDS
07	3 33 4.05	51.09 N	179.38 E	30.5 F			RAT ISLANDS, ALEUTIAN ISLANDS
07	6 25 48.40	2.13 S	138.98 E	33.0 T	5.9	5.9	NEAR N. COAST OF WEST NEW GUINEA
07	12 10 55.48	51.77 N	179.28 E	89.1 F			RAT ISLANDS, ALEUTIAN ISLANDS
07	16 3 37.13	51.66 N	179.52 E	39.4 F			RAT ISLANDS, ALEUTIAN ISLANDS
07	17 34 6.78	51.19 N	179.67 E	33.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
07	20 22 25.30	51.03 N	175.75 W	37.0 T	4.2		ANDREANOF ISLANDS, ALEUTIANS ISLANDS
07	20 41 43.54	51.60 N	179.50 E	87.8 F			RAT ISLANDS, ALEUTIAN ISLANDS
08	4 13 9.31	51.59 N	178.39 E	74.3 F			RAT ISLANDS, ALEUTIAN ISLANDS
08	5 27 52.90	20.87 N	120.21 E	33.0 T	6.2	6.3	PHILIPPINE ISLANDS REGION
08	14 45 26.30	51.26 N	179.44 W	37.3 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
08	16 29 43.76	50.98 N	178.70 E	31.4 F			RAT ISLANDS, ALEUTIAN ISLANDS
08	17 32 20.36	51.03 N	179.22 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
08	17 42 22.34	50.98 N	178.98 E	0.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
08	18 48 24.80	51.01 N	178.70 E	33.7 F			RAT ISLANDS, ALEUTIAN ISLANDS
09	2 7 21.16	51.36 N	179.78 W	25.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
09	2 25 41.77	51.18 N	178.88 E	54.9 F			RAT ISLANDS, ALEUTIAN ISLANDS
09	3 22 5.07	51.57 N	178.59 E	48.3 F			RAT ISLANDS, ALEUTIAN ISLANDS
09	3 41 5.98	51.63 N	178.38 E	74.0 F			RAT ISLANDS, ALEUTIAN ISLANDS
09	4 12 18.03	50.99 N	179.27 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
09	4 21 27.44	50.95 N	179.22 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
09	4 52 38.01	50.34 N	178.19 E	0.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
09	7 59 4.45	51.10 N	178.75 E	25.8 F			RAT ISLANDS, ALEUTIAN ISLANDS
09	8 50 10.97	50.97 N	179.04 E	0.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
09	11 9 59.11	51.57 N	178.81 E	19.9 F			RAT ISLANDS, ALEUTIAN ISLANDS

JAN 1972	ORIGIN TIME (GMT)	LAT	LONG	DEPTH (KM)	MB	MS	GEOGRAPHIC REGION
09	14 29 16.49	51.21 N	179.90 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
09	15 10 25.30	50.38 N	177.84 E	14.1 F			RAT ISLANDS, ALEUTIAN ISLANDS
09	22 22 28.26	51.85 N	178.59 W	135.5 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
10	7 12 20.29	51.11 N	179.47 W	0.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
10	9 57 38.30	17.91 N	145.33 E	350.0 T	5.0		MARIANA ISLANDS
10	14 57 34.36	49.87 N	178.70 E	75.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
10	16 21 .86	51.65 N	179.70 E	75.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
10	16 21 54.94	51.07 N	179.45 W	28.6 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
11	4 50 19.59	51.41 N	178.79 E	44.0 F			RAT ISLANDS, ALEUTIAN ISLANDS
11	4 51 58.57	51.32 N	178.56 E	39.1 F			RAT ISLANDS, ALEUTIAN ISLANDS
11	8 39 31.10	51.61 N	179.43 E	72.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
11	11 24 23.04	51.45 N	178.14 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
11	12 43 14.86	51.47 N	177.99 E	53.9 F			RAT ISLANDS, ALEUTIAN ISLANDS
11	16 53 2.24	51.58 N	178.34 E	55.1 F			RAT ISLANDS, ALEUTIAN ISLANDS
11	18 27 47.35	51.44 N	179.60 W	51.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
11	22 13 23.07	51.18 N	179.63 W	25.9 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
12	1 19 26.11	51.65 N	179.35 E	13.0 F			RAT ISLANDS, ALEUTIAN ISLANDS
12	5 24 43.97	51.21 N	178.50 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
12	7 25 59.48	51.58 N	178.81 E	20.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
12	9 44 47.43	51.55 N	179.38 E	0.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
12	12 46 19.06	50.91 N	179.04 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
12	12 51 49.70	53.24 N	171.56 E	33.0 T	4.3		NEAR ISLANDS, ALEUTIAN ISLANDS
12	13 0 36.23	51.90 N	176.64 E	50.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
13	0 9 22.95	51.60 N	178.68 E	77.5 F			RAT ISLANDS, ALEUTIAN ISLANDS
13	2 32 12.70	51.50 N	179.49 E	66.0 F			RAT ISLANDS, ALEUTIAN ISLANDS
13	15 10 54.89	50.92 N	179.41 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
13	21 28 35.95	51.43 N	179.56 W	0.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
14	1 49 27.23	51.51 N	179.36 E	73.0 F			RAT ISLANDS, ALEUTIAN ISLANDS
14	2 36 31.60	51.43 N	179.79 W	59.5 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
14	6 6 20.34	51.55 N	178.77 E	18.7 F			RAT ISLANDS, ALEUTIAN ISLANDS
14	13 3 4.18	52.26 N	179.19 W	211.8 F			DELAROF ISLANDS, ALEUTIAN ISLANDS

JAN HYPOCENTER SUMMARY

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JAN 1972	ORIGIN TIME (GMT)	LAT	LONG	DEPTH* (KM)	MB	MS	GEOGRAPHIC REGION
14	14 20 53.03	51.47 N	179.02 E	34.7 F			RAT ISLANDS, ALEUTIAN ISLANDS
14	17 10 1.45	51.44 N	178.94 E	38.8 F			RAT ISLANDS, ALEUTIAN ISLANDS
14	18 48 .79	51.65 N	179.70 W	25.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
14	20 27 55.30	51.01 N	178.74 E	31.5 F			RAT ISLANDS, ALEUTIAN ISLANDS
15	2 18 14.85	50.29 N	178.87 E	50.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
15	3 39 17.00	18.30 S	174.62 W	130.0 T	5.6		TONGA ISLANDS
15	18 15 51.09	50.88 N	179.71 W	50.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
15	22 5 31.10	51.33 N	180.00 W	8.2 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
16	0 55 25.50	52.30 N	170.44 W	58.0 T	4.0		FOX ISLANDS, ALEUTIAN ISLANDS
16	2 46 18.98	51.45 N	178.58 E	50.7 F			RAT ISLANDS, ALEUTIAN ISLANDS
16	7 4 49.31	51.52 N	177.91 E	50.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
16	8 30 19.30	51.07 N	179.21 E	30.0 F			RAT ISLANDS, ALEUTIAN ISLANDS
16	10 8 43.77	51.72 N	179.97 W	33.1 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
16	11 29 41.68	51.38 N	179.60 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
16	18 38 28.50	53.23 N	167.74 W	62.0 T	4.4		FOX ISLANDS, ALEUTIAN ISLANDS
17	4 54 36.00	51.41 N	178.79 E	41.3 F			RAT ISLANDS, ALEUTIAN ISLANDS
17	11 37 12.47	51.84 N	177.17 E	50.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
17	12 13 5.88	52.19 N	178.26 E	87.8 F			RAT ISLANDS, ALEUTIAN ISLANDS
17	12 51 2.59	51.52 N	179.53 E	13.5 F			RAT ISLANDS, ALEUTIAN ISLANDS
18	0 17 43.00	56.51 N	153.49 W	23.0 T	5.1		KODIAK ISLAND REGION
18	7 51 53.20	51.58 N	174.66 E	33.0 T	4.8		RAT ISLANDS, ALEUTIAN ISLANDS
18	10 25 37.35	51.86 N	177.62 E	87.6 F			RAT ISLANDS, ALEUTIAN ISLANDS
18	12 43 27.80	54.68 N	161.43 E	33.0 T	5.6	5.0	NEAR EAST COAST OF KAMCHATKA
18	17 39 38.12	51.92 N	178.96 E	72.3 F			RAT ISLANDS, ALEUTIAN ISLANDS
18	21 55 15.50	4.78 S	145.04 E	33.0 T	5.7	6.6	NEAR NORTH COAST OF NEW GUINEA
18	22 8 12.90	4.70 S	145.03 E	33.0 T	5.5		NEAR NORTH COAST OF NEW GUINEA
19	1 58 11.75	51.86 N	178.94 E	109.5 F			RAT ISLANDS, ALEUTIAN ISLANDS
19	6 2 21.13	51.40 N	179.32 E	72.6 F			RAT ISLANDS, ALEUTIAN ISLANDS
19	9 33 11.61	51.59 N	178.83 E	77.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
19	11 53 2.72	51.50 N	179.78 W	73.8 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
19	13 30 8.41	51.91 N	177.18 E	69.8 F			RAT ISLANDS, ALEUTIAN ISLANDS

JAN HYPOCENTER SUMMARY

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JAN 1972	ORIGIN TIME (GMT)	LAT	LONG	DEPTH* (KM)	MB	MS	GEOGRAPHIC REGION
19	15 0 54.20	4.70 S	144.97 E	33.0 T	5.8	6.4	NEAR NORTH COAST OF NEW GUINEA
19	19 57 41.80	51.42 N	178.91 E	46.6 F			RAT ISLANDS, ALEUTIAN ISLANDS
19	21 19 11.30	51.52 N	179.46 E	84.1 F			RAT ISLANDS, ALEUTIAN ISLANDS
19	21 52 48.35	51.72 N	179.53 W	135.0 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
19	23 18 45.69	51.94 N	178.45 E	125.3 F			RAT ISLANDS, ALEUTIAN ISLANDS
20	2 6 31.23	51.57 N	178.81 E	19.6 F			RAT ISLANDS, ALEUTIAN ISLANDS
20	2 32 1.85	51.21 N	179.95 W	37.6 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
20	6 23 19.81	52.08 N	178.13 E	136.1 F			RAT ISLANDS, ALEUTIAN ISLANDS
20	8 35 6.89	51.25 N	180.00 W	34.3 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
20	8 48 4.28	51.31 N	178.56 E	50.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
20	9 24 23.20	60.70 N	153.24 W	138.0 T	4.6		SOUTHERN ALASKA
20	10 5 14.47	51.28 N	178.39 W	33.6 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
20	11 30 9.98	52.19 N	177.58 E	110.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
20	11 36 28.60	36.38 N	70.72 E	213.0 T	5.9		HINDU KUSH REGION
20	12 30 55.53	51.81 N	179.73 E	98.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
20	13 17 44.71	52.13 N	179.77 E	182.1 F			RAT ISLANDS, ALEUTIAN ISLANDS
20	19 45 9.14	51.70 N	179.43 E	110.0 F			RAT ISLANDS, ALEUTIAN ISLANDS
20	20 44 5.49	50.41 N	177.98 E	50.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
20	22 1 16.56	51.53 N	179.56 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
20	23 46 48.28	51.50 N	179.63 E	18.8 F			RAT ISLANDS, ALEUTIAN ISLANDS
21	0 57 52.85	51.99 N	178.75 E	75.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
21	4 4 40.24	51.67 N	178.31 W	0.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
21	6 27 14.96	51.40 N	178.78 E	40.8 F			RAT ISLANDS, ALEUTIAN ISLANDS
21	6 28 44.23	51.70 N	177.88 E	66.7 F			RAT ISLANDS, ALEUTIAN ISLANDS
21	7 9 51.68	51.52 N	179.23 E	23.1 F			RAT ISLANDS, ALEUTIAN ISLANDS
21	8 22 59.39	51.57 N	178.67 E	86.7 F			RAT ISLANDS, ALEUTIAN ISLANDS
21	8 30 10.41	52.28 N	179.73 E	179.1 F			RAT ISLANDS, ALEUTIAN ISLANDS
21	8 31 40.92	51.55 N	179.81 W	75.1 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
21	10 25 55.40	51.19 N	178.73 E	34.6 F			RAT ISLANDS, ALEUTIAN ISLANDS
21	10 32 45.81	51.38 N	178.94 E	61.8 F			RAT ISLANDS, ALEUTIAN ISLANDS
21	10 33 24.24	52.10 N	178.62 W	152.8 F			DELAROF ISLANDS, ALEUTIAN ISLANDS

JAN HYPOCENTER SUMMARY

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JAN 1972	ORIGIN TIME (GMT)	LAT	LONG	DEPTH* (KM)	MB	MS	GEOGRAPHIC REGION
21	11 51 46.57	51.58 N	178.81 E	18.6 F			RAT ISLANDS, ALEUTIAN ISLANDS
21	14 0 18.95	51.56 N	179.95 W	25.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
21	15 37 11.78	51.22 N	177.97 W	28.1 F			ANDREANOF ISLANDS, ALEUTIAN ISLANDS
21	17 55 22.75	51.64 N	179.06 E	72.3 F			RAT ISLANDS, ALEUTIAN ISLANDS
21	18 40 33.08	51.80 N	179.52 E	82.0 F			RAT ISLANDS, ALEUTIAN ISLANDS
21	21 12 13.65	51.73 N	179.87 E	3.0 F			RAT ISLANDS, ALEUTIAN ISLANDS
21	21 41 55.13	51.72 N	176.25 E	75.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
22	2 1 30.81	51.44 N	179.32 E	50.3 F			RAT ISLANDS, ALEUTIAN ISLANDS
22	2 26 50.95	51.03 N	178.79 E	49.4 F			RAT ISLANDS, ALEUTIAN ISLANDS
22	5 44 1.70	51.79 N	179.38 E	211.5 F			RAT ISLANDS, ALEUTIAN ISLANDS
22	7 37 .56	51.17 N	178.65 E	26.3 F			RAT ISLANDS, ALEUTIAN ISLANDS
22	8 11 59.34	51.20 N	178.79 E	40.6 F			RAT ISLANDS, ALEUTIAN ISLANDS
22	8 12 5.15	51.23 N	178.83 E	44.5 F			RAT ISLANDS, ALEUTIAN ISLANDS
22	13 8 50.30	14.03 N	91.01 W	102.0 T	5.5		GUATEMALA
22	14 58 52.19	51.82 N	179.93 E	171.5 F			RAT ISLANDS, ALEUTIAN ISLANDS
22	16 5 58.50	51.00 N	178.45 E	32.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
22	18 22 52.87	51.11 N	179.85 W	28.2 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
22	19 48 56.45	51.29 N	178.71 E	35.5 F			RAT ISLANDS, ALEUTIAN ISLANDS
22	21 50 39.50	20.43 S	172.88 E	33.0 T	5.3	6.3	NEW HEBRIDES ISLANDS REGION
22	22 13 .23	51.38 N	178.73 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
22	22 37 41.30	18.11 S	174.52 W	135.0 T	5.2		TONGA ISLANDS
23	6 22 28.48	51.75 N	176.39 E	75.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
23	8 53 22.20	58.27 N	151.69 W	34.0 T	4.6		KODIAK ISLAND REGION
23	11 35 57.02	51.84 N	178.26 W	127.1 F	4.9		DELAROF ISLANDS, ALEUTIAN ISLANDS
23	12 54 16.10	20.90 S	178.64 W	603.0 T	4.8		FIJI ISLANDS REGION
23	21 13 59.92	51.41 N	178.60 E	53.1 F			RAT ISLANDS, ALEUTIAN ISLANDS
23	21 17 52.10	13.17 S	166.37 E	33.0 T	5.9	7.1	NEW HEBRIDES ISLANDS
24	7 44 19.21	51.05 N	179.97 W	25.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
24	8 42 10.20	51.41 N	179.88 E	52.1 F			RAT ISLANDS, ALEUTIAN ISLANDS
24	16 36 28.94	51.33 N	179.62 E	51.1 F			RAT ISLANDS, ALEUTIAN ISLANDS
24	17 25 13.10	55.33 N	159.53 W	27.0 T	4.8		ALASKA PENINSULA

JAN HYPOCENTER SUMMARY

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JAN 1972	ORIGIN TIME (GMT)	LAT	LONG	DEPTH* (KM)	MB	MS	GEOGRAPHIC REGION
24	19 38 7.10	26.14 S	177.24 W	92.0 T	5.5		SOUTH OF FIJI ISLANDS
25	2 6 23.30	22.46 N	122.26 E	33.0 F	6.3	7.5	TAIWAN REGION
25	3 14 59.69	51.23 N	178.54 E	41.9 F			RAT ISLANDS, ALEUTIAN ISLANDS
25	3 41 23.70	23.03 N	122.15 E	33.0 F	5.9	7.0	TAIWAN REGION
25	7 30 20.77	51.47 N	178.19 E	49.3 F			RAT ISLANDS, ALEUTIAN ISLANDS
25	11 23 52.35	51.83 N	177.82 E	65.8 F			RAT ISLANDS, ALEUTIAN ISLANDS
25	12 59 44.84	50.53 N	177.75 E	0.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
25	15 4 28.40	22.54 N	141.93 E	220.0 T	5.2		VOLCANO ISLANDS REGION
25	22 29 35.07	51.55 N	179.61 W	121.3 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
25	23 58 2.69	52.11 N	178.83 E	93.1 F			RAT ISLANDS, ALEUTIAN ISLANDS
26	2 18 30.48	50.98 N	178.52 E	50.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
26	4 35 32.83	51.33 N	179.89 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
26	7 29 25.31	50.93 N	178.17 W	0.0 D			ANDREANOF ISLANDS, ALEUTIAN ISLANDS
26	11 2 45.54	51.50 N	179.95 W	71.9 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
26	12 9 58.69	51.29 N	178.72 E	40.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
26	17 11 58.83	51.20 N	178.59 E	34.9 F			RAT ISLANDS, ALEUTIAN ISLANDS
26	23 0 24.40	20.18 S	178.95 W	658.0 T	5.7		FIJI ISLANDS REGION
26	23 32 36.50	20.18 S	178.99 W	589.0 T	5.1		FIJI ISLANDS REGION
27	3 31 9.32	51.56 N	178.80 E	21.3 F			RAT ISLANDS, ALEUTIAN ISLANDS
27	9 20 34.43	51.46 N	178.68 E	29.9 F			RAT ISLANDS, ALEUTIAN ISLANDS
28	1 16 21.70	19.38 S	169.11 E	124.0 T	6.1		NEW HEBRIDES ISLANDS
28	20 0 30.71	51.26 N	178.77 E	50.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
29	2 54 12.54	51.93 N	179.51 E	178.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
29	3 16 38.76	51.42 N	178.84 E	0.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
29	4 20 9.11	51.59 N	179.28 W	0.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
29	5 11 20.05	52.00 N	179.43 E	131.3 F			RAT ISLANDS, ALEUTIAN ISLANDS
29	7 11 28.18	52.03 N	178.63 E	95.5 F			RAT ISLANDS, ALEUTIAN ISLANDS
29	8 41 48.50	7.79 S	158.30 E	73.0 T	5.1		SOLOMON ISLANDS
29	11 48 2.73	51.42 N	179.52 E	58.7 F			RAT ISLANDS, ALEUTIAN ISLANDS
29	14 54 45.83	51.35 N	178.58 E	55.5 F			RAT ISLANDS, ALEUTIAN ISLANDS
29	21 29 41.13	51.54 N	178.79 E	19.0 F			RAT ISLANDS, ALEUTIAN ISLANDS

JAN HYPOCENTER SUMMARY

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JAN 1972	ORIGIN TIME (GMT)	LAT	LONG	DEPTH* (KM)	MB	MS	GEOGRAPHIC REGION
30	2 12 11.40	51.80 N	176.59 W	70.0 T	4.4		ANDREANOF ISLANDS, ALEUTIANS ISLANDS
30	2 44 47.20	51.58 N	178.81 E	19.5 F			RAT ISLANDS, ALEUTIAN ISLANDS
30	2 50 57.27	51.38 N	178.97 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
30	5 46 36.07	51.79 N	179.82 W	89.1 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
30	12 59 56.04	51.33 N	178.93 E	47.5 F			RAT ISLANDS, ALEUTIAN ISLANDS
30	19 16 13.38	51.69 N	179.96 E	24.7 F			RAT ISLANDS, ALEUTIAN ISLANDS
31	4 27 58.62	51.29 N	179.40 E	46.5 F			RAT ISLANDS, ALEUTIAN ISLANDS
31	5 50 54.70	52.48 N	170.60 W	52.0 T	4.7		FOX ISLANDS, ALEUTIAN ISLANDS
31	12 33 16.45	51.57 N	179.77 E	0.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
31	12 52 25.36	50.87 N	178.63 W	75.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
31	14 33 41.99	51.07 N	179.30 E	0.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
31	17 32 32.06	51.95 N	177.70 E	120.3 F			RAT ISLANDS, ALEUTIAN ISLANDS
31	20 29 50.28	51.24 N	179.95 W	38.3 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
31	22 2 41.85	51.35 N	178.70 E	23.4 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

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

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

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

55.0	-170.0	-169.0	-168.0	-167.0	-166.0	-165.0 55.0
54.5						54.5
54.0						54.0
53.5						53.5
53.0						53.0
52.5						52.5
52.0						52.0
51.5						51.5
51.0						51.0
50.5						50.5
50.0	-170.0	-169.0	-168.0	-167.0	-166.0	50.0 -165.0

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

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