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ALEUTIAN SEISMIC PROGRAM
SEISMOLOGICAL BULLETIN
SEPTEMBER 1970

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY
ROCKVILLE, MARYLAND 20852

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DATE 8/6/71

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 DIVISION, ROCKVILLE, MARYLAND. THIS COMPILED 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
$$M_{6.6} = -6.4 + \log_{10}(\text{AMP/PER}) + 3.70 \cdot \log_{10}(\text{DIST})$$

FOR LOCATED EVENTS OF DEPTH 50 KM OR LESS AND DISTANCE
GREATER THAN 10 KM AND LESS THAN 180 KM FROM STATION

DIST - GREAT CIRCLE DISTANCE TO EVENT IN KILOMETERS

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

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

REMARKS- DESCRIPTIVE INFORMATION

DESCRIPTION OF HYPOCENTER INFORMATION

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

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

SECOND LINE GEOGRAPHIC REGION

ALEUTIAN SEISMIC NETWORK

CODE	STATION	PERIOD OF OPERATION	LATITUDE (DEG MIN SEC)	LONGITUDE (DEG MIN SEC)	ELEVATION (METERS)
ADK	ADAK OBSERVATORY		51 53 01.4 N	176 34 49.4 W	108
AG1	AMCHITKA GEOPHONE 1	02/10/69-04/10/69	51 24 58.2 N	179 10 49.8 E	
AG3	AMCHITKA GEOPHONE 3	02/10/69-04/10/69	51 25 25.8 N	179 11 24.6 E	
AMA	AMATIGNAK ISLAND	09/10/70-	51 17 17.5 N	179 06 33.5 W	503
AME	AMCHITKA EXPERIMENTAL	01/04/69-26/05/69	51 23 12.0 N	179 15 18.0 E	
ANA	AMCHITKA NORTH A	25/08/69-25/09/69	51 37 39.8 N	178 39 22.7 E	177
		25/09/69-05/11/69	51 37 34.9 N	178 39 41.8 E	133
		05/11/69-16/07/70	51 37 39.8 N	178 39 22.7 E	177
		16/07/70-	51 37 34.9 N	178 39 41.8 E	133
ANB	AMCHITKA NORTH B	09/12/69-18/07/70	51 36 12.0 N	178 47 21.0 E	247
AND	AMCHITKA NORTH D	18/07/70-	51 33 44.4 N	178 57 12.4 E	187
ASB	AMCHITKA SOUTH B	25/05/69-	51 21 37.8 N	179 14 50.3 E	34
ASC	AMCHITKA SOUTH C	28/07/69-25/09/69	51 27 44.9 N	179 09 53.9 E	40
		25/09/69-13/07/70	51 27 41.9 N	179 07 29.9 E	36
		13/07/70-	51 27 44.9 N	179 09 53.9 E	40
ASD	AMCHITKA SOUTH D	29/05/69-06/06/69	51 22 36.0 N	179 20 30.0 E	
		06/06/69-	51 23 26.9 N	179 20 31.6 E	61
AWA	AMCHITKA WOOD-ANDERSON		51 22 28.5 N	179 15 09.6 E	
CSA	CAPE SARICHEF	22/11/70-	54 35 40.0 N	164 52 30.0 W	152
GMA	GRANITE MOUNTAIN	18/09/70-	65 25 43.0 N	161 13 55.0 W	856
LSI	LITTLE SITKIN ISLAND	16/08/69-18/09/69	51 55 10.8 N	178 32 01.8 E	145
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	SEMIPOCHNOI ISLAND	13/08/69-04/11/69	51 54 52.2 N	179 37 26.4 E	335
		17/10/70-	51 53 32.8 N	179 35 17.9 E	177

SEP 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
01	1 32	3.87	51.03 N 179.36 W	DEPTH = 50.0 KM			FIXED DEPTH SOLUTION			
DEAROF ISLANDS, ALEUTIAN ISLANDS										
01	ASD	IPNC	01 32 20.3				99	112	-.1	
		IPG	01 32 21.5							
		I(S)	01 32 31.6						-.8	
01	ASB	EPN	01 32 21.0				104	110	-.0	
		IS	01 32 33.6						.1	
01	ASC	EP	01 32 22.5				114	114	.3	
01	AND	EPN	01 32 24.4				132	116	-.0	
		I	01 32 25.1							
01	ANA	EPN	01 32 27.4				153	115	.4	
		I	01 32 28.3							
01	ADK	EP	01 32 34.1				215	245	-.5	
		ES	01 32 57.6						.5	
.....										
01	2 42	56.74	51.37 N 179.58 W	DEPTH = 25.0 KM			FIXED DEPTH SOLUTION			
DEAROF ISLANDS, ALEUTIAN ISLANDS										
01	ASD	EPG	02 43 9.3	1.5	.1	1.73	75	90	-.2	
		ES	02 43 18.8						-.1	
01	ASB	EPG	02 43 10.7	2.3	.1	2.04	82	89	.2	
		ES	02 43 20.6						.1	
01	ASC	EPG	02 43 11.5				88	97	.0	
.....										
01	3 15	11.89	51.41 N 178.91 E	DEPTH = 48.2 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
01	ASC	IPG	03 15 20.0				19	253	.1	
		IS	03 15 25.8						.0	
01	ASB	IPG	03 15 20.2	5.3	.1	.46	24	284	-.1	
		IS	03 15 26.5						.1	
01	ANA	IPG	03 15 20.6				29	144	-.0	
01	ASD	IPG	03 15 20.8	5.5	.1	.83	31	278	.1	
		IS	03 15 27.0						-.2	
.....										
01	5 11	16.11	17.72 N 147.62 E	DEPTH = 40.0 KM MB = 6.3 MS = 6.4			TELESEISMIC SOLUTION			
MARIANA ISLANDS										
01	ANA	EP	05 19 4.3				4647	228		TELESEISM
01	ASD	EP	05 19 4.8				4664	229		
01	AND	EP	05 19 4.9				4657	228		
01	ASB	EP	05 19 5.0				4658	228		
01	ASC	EP	05 19 5.9				4661	228		
01	ADK	IP D	05 19 22.4				4918	233		EL 0529263
		E	05 19 38.1							
		ES	05 25 57.3							
.....										
01	ASD	EPN	06 42 39.4							SMALL AMP
		ES	06 43 1.1							
01	ASB	EPN	06 42 40.3							
01	ASC	EPN	06 42 41.2							
01	AND	EPN	06 42 42.6							
01	ANA	EPN	06 42 44.1							

SEP 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
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01	7	57	56.07	51.74 N	179.89 E	DEPTH = 8.9 KM				FREE DEPTH SOLUTION
RAT ISLANDS, ALEUTIAN ISLANDS										

01	ASD	IPGC	07 58	6.0			55	43	.1	LARGE OVERLOAD
		IS	07 58	12.7					-.4	
01	ASC	IPGC	07 58	6.7			59	58	.2	
01	ASB	IPGC	07 58	7.0			61	46	.2	
		IS	07 58	14.7					.0	
01	AND	IPG	07 58	7.7			67	73	-.1	
01	ANA	IPGD	07 58	10.5			85	81	-.0	
01	ADK	EP	07 58	33.1			244	268	-.3	
		ES	07 59	1.1					.4	

01	8	17	32.75	51.70 N	179.88 E	DEPTH = 25.0 KM				FIXED DEPTH SOLUTION
RAT ISLANDS, ALEUTIAN ISLANDS										

01	ASD	IPG	08 17	42.0	3.4	.1	1.45	51	46	-.1
		ES	08 17	48.9						.0
01	ASC	IPG	08 17	42.7			56	62	-.0	
01	ASB	EPG	08 17	43.1			57	49	.1	

01	8	37	30.80	51.01 N	178.51 E	DEPTH = 50.0 KM				FIXED DEPTH SOLUTION
RAT ISLANDS, ALEUTIAN ISLANDS										

01	ASB	EPG	08 37	43.1			65	233	-.1	SMALL
		ES	08 37	52.3					-.0	
01	AND	IPGC	08 37	43.6			69	207	-.1	
01	ANA	IPGC	08 37	43.8			69	189	.0	
01	ASC	IPGC	08 37	43.9			68	223	.3	
01	ASD	IPGD	08 37	44.0			71	235	.0	
		ES	08 37	53.6					.0	

01	ASD	EP	10 03	29.4						NO S.
01	ASB	EP	10 03	30.7						
01	ASC	EP	10 03	31.5						

01	ASD	EP	10 46	23.1	9.9	.2				
01	ASB	EP	10 46	24.1	7.4	.2				
01	ASC	EP	10 46	24.9						
01	AND	EP	10 46	26.4						
01	ANA	EP	10 46	28.8						

01	11	23	41.84	51.43 N	179.24 E	DEPTH = 22.7 KM				FREE DEPTH SOLUTION
RAT ISLANDS, ALEUTIAN ISLANDS										

01	ASD	IPGD	11 23	45.8	4.2	.1	9	310	-.1	
		IS	11 23	48.9					-.0	
01	ASB	EPG	11 23	45.8	3.7	.1	8	357	-.1	
		IS	11 23	48.9					.1	
01	ASC	IPGD	11 23	45.9			7	125	.1	
01	AND	EPG	11 23	47.7			25	126	.2	
		ES	11 23	51.3					-.3	
01	ANA	EPG	11 23	50.2			46	118	-.1	
		ES	11 23	56.4					-.0	

SEP 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
01	11 33 29.63		51.73 N 179.79 E	DEPTH = 25.0 KM						FIXED DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
01	ASD	IPGD	11 33 38.6	2.8	.1	1.35	50	38	-.2	
		ES	11 33 45.5						-.0	
01	ASC	IPG	11 33 39.4				53	55	.2	
01	ASB	EPG	11 33 39.8				56	42	.2	
01	AND	EPG	11 33 40.2				61	72	-.1	
01	ANA	IPG	12 01 3.9							
		IS	12 01 16.3							
01	AND	IPG	12 01 4.7							
		IS	12 01 17.1							
01	ASC	EPG	12 01 6.2							
01	ASB	EPG	12 01 6.7	4.9	.1					
		IS	12 01 20.6							
01	ASD	EPG	12 01 6.9	4.6	.1					
		IS	12 01 21.0							
01	ADK	IP D	12 03 29.8							
		IS	12 03 36.1							
01	ASD	IPN	12 04 1.5	3.8	.1					
		ES	12 04 39.2							
01	ASB	EPN	12 04 2.3	27.4	.3					
		ES	12 04 40.7							
01	ASC	EPN	12 04 2.8							
		IS	12 04 41.5							
01	AND	EPN	12 04 5.0							
		ES	12 04 43.1							
01	ANA	EPN	12 04 7.1							
		ES	12 04 45.3							
01	ASD	EP	12 19 29.3							UNCERTAIN S.
		ES	12 20 4.2							
01	ASB	EP	12 19 30.2							
01	ASC	EP	12 19 30.9							
01	AND	EP	12 19 32.8							
01	ANA	EP	12 19 35.6							
01	12 40 46.28		51.67 N 179.95 E	DEPTH = 25.0 KM						FIXED DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
01	ASD	IPG	12 40 55.9	3.1	.1	1.48	53	52	-.0	FORESHOCK
		ES	12 41 2.8						-.1	
01	ASC	IPG	12 40 56.6				59	67	-.1	
		ES	12 41 4.5						.1	
01	ASB	EPG	12 40 57.0	1.6	.1	1.38	60	54	.2	
01	12 42 1.92		51.72 N 179.77 E	DEPTH = 25.0 KM						FIXED DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
01	ASD	IPGD	12 42 10.5	8.3	.1	1.74	48	38	-.3	
		ES	12 42 17.2						-.1	
01	ASC	IPG	12 42 11.3				51	56	.1	
01	ASB	EPG	12 42 11.5	4.2	.1	1.63	54	42	-.1	
		ES	12 42 19.2						.5	
01	AND	EPG	12 42 12.2				59	73	-.2	
01	ANA	EPG	12 42 15.5				77	82	.5	
		ES	12 42 24.1						-.5	
01	ASD	EPN	13 17 39.5							
		IPG	13 17 41.5	3.2	.1					
		ES	13 17 57.5							

SEP 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
01	ASB	EPN	13 17 41.3							
		IPG	13 17 43.0	3.2	.1					
		ES	13 17 59.1							
01	ASC	EPN	13 17 42.0							
		IPG	13 17 43.7							
		ES	13 17 59.9							
01	AND	EPN	13 17 43.9							
01	ANA	EPN	13 17 47.3							
.....										
01	13 32 50.94	51.95 N 179.61 W DEPTH = 75.0 KM						FIXED DEPTH SOLUTION		
		DELAROF ISLANDS, ALEUTIAN ISLANDS								
01	ASD	EPG	13 33 8.3	2.0	.1		96	48	.0	
		IS	13 33 20.7						-.2	
01	ASE	IPG	13 33 8.9	3.2	.1		103	50	-.0	
		IS	13 33 22.0						-.1	
01	ASC	IPG	13 33 8.9				100	57	.2	
		IS	13 33 21.9						.2	
01	AND	EPG	13 33 9.3				108	66	-.2	
01	ANA	EPG	13 33 11.4				124	73	.0	
.....										
01	13 50 28.49	52.23 N 178.59 E DEPTH = 138.3 KM						FREE DEPTH SOLUTION		
		RAT ISLANDS, ALEUTIAN ISLANDS								
01	ANA	EPG	13 50 49.3				67	356	.2	
		ES	13 51 4.0						-.2	
01	AND	IPG	13 50 49.8				78	342	.0	
01	ASD	EPG	13 50 51.8				108	332	-.2	
		ES	13 51 9.3						.2	
.....										
01	14 42 2.55	51.47 N 179.44 E DEPTH = 14.3 KM						FREE DEPTH SOLUTION		
		RAT ISLANDS, ALEUTIAN ISLANDS								
01	ASD	EPG	14 42 5.9	1.4	.1	-1.23	12	36	.0	
		IS	14 42 8.3						-.0	
01	ASB	EPG	14 42 6.6	1.4	.1	-.60	18	49	-.0	
		ES	14 42 9.6						.0	
01	ASC	EPG	14 42 6.8				19	89	.0	
.....										
01	ANA	EP	15 15 8.3							VERY EMERGENT
		IS	15 15 27.0							
01	AND	EP	15 15 10.8							
		IS	15 15 40.6							
01	ASC	EP	15 15 13.0							
01	ASB	EP	15 15 15.3							
01	ASD	EP	15 15 16.4							
.....										
01	ANA	EP	15 39 46.5							VERY EMERGENT
		ES	15 40 1.2							
01	AND	EP	15 39 49.1							
		ES	15 40 5.4							
01	ASC	EP	15 39 52.0							
01	ASB	EP	15 39 53.9							
01	ASD	EP	15 39 53.9							
.....										
01	ADK	IP D	16 10 35.3							
		IS	16 10 42.5							
01	ASC	EP	16 11 4.1							
		IS	16 11 40.9							
01	ASB	EP	16 11 5.2							
		IS	16 11 41.2							
01	ASC	EP	16 11 6.1							
		IS	16 11 43.1							

SEP 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
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01	AND	EP	16 11 8.6							
01	ANA	EP	16 11 10.6							
01	ADK	IP D	16 27 46.4							
		IS	16 27 48.8							

.....
 01 18 14 45.21 51.54 N 179.11 W DEPTH = 50.0 KM FIXED DEPTH SOLUTION
 DELAROF ISLANDS, ALEUTIAN ISLANDS

01	ASD	EP	18 15 2.6				109	80	-.4	EMERGENT
01	ASB	EP	18 15 4.1				116	80	.3	
		ES	18 15 17.2						-.1	
01	ASC	EP	18 15 5.0				120	85	.7	
		ES	18 15 18.1						-.1	
01	AND	EP	18 15 5.4				134	90	-.7	
01	ANA	EP	18 15 8.6				155	93	.0	
		ES	18 15 25.9						.3	

01	ANA	EP	18 45 41.3							VERY EMERGENT.
		E(S)	18 45 52.7							
01	AND	EP	18 45 43.1							LOW AMP.
01	ASC	EP	18 45 46.5							
01	ASD	EP	18 45 47.5							

.....
 01 19 11 31.50 51.69 N 179.90 E DEPTH = 25.0 KM FIXED DEPTH SOLUTION
 RAT ISLANDS, ALEUTIAN ISLANDS

01	ASD	IPG	19 11 40.8	1.8	.1	1.21	52	48	-.1	
		ES	19 11 47.8						-.0	
01	ASC	IPG	19 11 41.6				57	64	-.0	
01	ASB	EPG	19 11 42.0				58	51	.2	

.....
 01 19 48 22.01 51.66 N 178.27 E DEPTH = 79.2 KM FREE DEPTH SOLUTION
 RAT ISLANDS, ALEUTIAN ISLANDS

01	ANA	IPG	19 48 34.1				28	278	.1	
		ES	19 48 42.6						-.1	
01	AND	IPG	19 48 35.2				49	283	-.1	
		ES	19 48 45.0						.1	
01	ASD	EPG	19 48 38.0				81	293	-.0	
		IS	19 48 49.8						.1	

01	ASD	IP C	21 06 2.3	5.3	.1					
		I	21 06 3.3							
01	ASB	IP D	21 06 3.2	20.1	.2					
01	ASC	IP	21 06 4.0							
01	AND	IP	21 06 5.6							
01	ANA	IP	21 06 8.0							

02	ANA	EP	01 14 11.9							EMERGENT. TELE
02	AND	EP	01 14 15.1							
02	ASC	EP	01 14 16.5							
02	ASB	EP	01 14 17.8							
02	ASD	EP	01 14 18.3							
02	ADK	E	01 14 48.1							

02	ADK	IP	01 34 26.3							
		IS	01 34 39.2							
02	ASD	EPN	01 34 36.9	5.9	.1					
		ES	01 35 .4							
02	ASB	EPN	01 34 37.9	17.9	.2					
02	ASC	IPND	01 34 39.2							
02	AND	EPN	01 34 41.0							

SEP 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
02	ANA	IPND	01 34 43.9							
.....										
02	3	1	31.74	51.25 N	178.58 E	DEPTH = 29.2 KM				FREE DEPTH SOLUTION
RAT ISLANDS, ALEUTIAN ISLANDS										
02	ANA	IPG	03 01 40.1				42	188	-.0	
02	AND	IPG	03 01 40.2				43	217	-.1	
02	ASC	IPG	03 01 40.9				47	240	.2	
02	ASB	IPG	03 01 40.9	4.9	.1	1.51	48	255	.0	
		ES	03 01 47.5						-.0	
02	ASD	IPG	03 01 41.7	2.0	.1	1.33	55	255	-.1	
.....										
02	3	51	39.10	52.23 N	159.60 E	DEPTH = 60.0 KM MB = 4.7				TELESEISMIC SOLUTION
KAMCHATKA										
02	ANA	EP	03 54 23.0				1311	280		TELE
02	AND	EP	03 54 25.1				1332	281		
02	ASC	EP	03 54 27.2				1348	281		
02	ASB	EP	03 54 27.7				1356	282		
02	ASD	EP	03 54 29.0				1362	282		
.....										
02	4	25	57.78	50.98 N	179.02 W	DEPTH = 25.0 KM				FIXED DEPTH SOLUTION
DELAROF ISLANDS, ALEUTIAN ISLANDS										
02	ASD	IPNC	04 26 17.6				122	110	-.0	
		IPG	04 26 19.4	4.9	.1	3.01				
		IS	04 26 32.1						-.0	
02	ASB	EFN	04 26 18.5				128	108	.0	
02	ASC	IPN	04 26 19.9				137	112	.0	
.....										
02	ADK	IP	05 31 54.3							
		IS	05 32 2.3							
02	ASD	EP	06 06 24.6							POOR S.
		ES	06 06 39.4							
02	ASB	EP	06 06 26.3							
02	ASC	EP	06 06 26.8							
.....										
02	6	54	8.68	51.16 N	178.14 E	DEPTH = 67.8 KM				FREE DEPTH SOLUTION
RAT ISLANDS, ALEUTIAN ISLANDS										
02	ANA	IPGD	06 54 22.1				63	215	.0	
02	AND	IPGD	06 54 22.8				72	232	-.1	
02	ASB	IPGD	06 54 23.7	35.6	.1		80	255	-.1	
		ES	06 54 34.9						.1	
02	ASC	IPGC	06 54 23.9				78	245	.3	
02	ASD	IPGD	06 54 24.5	8.5	.1		87	255	-.0	
		IS	06 54 36.0						-.1	
.....										
02	7	4	5.08	51.45 N	178.39 E	DEPTH = 62.4 KM				FREE DEPTH SOLUTION
RAT ISLANDS, ALEUTIAN ISLANDS										
02	ANA	IPGD	07 04 15.1				27	224	-.0	
02	AND	IPG	07 04 16.1				41	253	.0	
02	ASC	IPGD	07 04 17.3				54	269	.1	
02	ASB	IPGD	07 04 17.8	136.2	.1		60	280	-.0	
		ES	07 04 27.2						.1	
02	ASD	IPGD	07 04 18.4	16.9	.1		67	277	-.1	
		IS	07 04 28.1						-.1	
.....										

SEP 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
02	7 25	50.86	50.81 N 179.47 E DEPTH = 0.0 KM				FIXED DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
02	ASD	IPG	07 26	2.3	6.2	.1	2.07	64	172	-.2
02	ASB	EPG	07 26	2.9	5.9	.1	2.04	63	166	.5
		ES	07 26	10.7						-.1
02	ASC	IPG	07 26	4.6				76	163	-.0
02	AND	EPG	07 26	6.8				91	156	-.3
02	ANA	EPG	07 26	9.6				107	148	.1
.....										
.....										
02	10 39	14.23	51.29 N 179.68 E DEPTH = 54.3 KM				FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
02	ASD	IPGC	10 39	23.3	9.7	.1		26	111	-.0
		IS	10 39	30.1						.1
02	ASB	IPGC	10 39	23.7	6.1	.1		31	104	-.0
		IS	10 39	30.5						-.1
02	ASC	IPG	10 39	24.6				41	117	.1
02	AND	IPGD	10 39	26.0				59	120	-.3
02	ANA	EPG	10 39	28.8				80	117	.2
.....										
.....										
02	11 2	26.24	51.85 N 178.43 E DEPTH = 98.3 KM				FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
02	ANA	IPGC	11 02	40.5				29	327	-.0
		IS	11 02	50.9						-.0
02	AND	IPGD	11 02	41.5				48	311	.1
		IS	11 02	52.4						-.1
02	ASC	IPG	11 02	42.8				67	310	.1
		ES	11 02	54.7						.0
02	ASB	EPG	11 02	43.5				78	314	-.1
		ES	11 02	56.5						.2
02	ASD	EPG	11 02	43.9	1.4	.1		82	310	-.0
		ES	11 02	56.8						-.1
.....										
.....										
02	ANA	EPN	11 29	35.6						TELE
		I	11 29	36.8						
02	AND	EPN	11 29	38.1						
02	ASC	EPN	11 29	40.5						
02	ASB	EPN	11 29	41.3						
02	ASD	EPN	11 29	42.2						
		I	11 29	44.3						
.....										
.....										
02	11 31	31.86	51.77 N 178.84 W DEPTH = 50.0 KM				FIXED DEPTH SOLUTION			
DEAROF ISLANDS, ALEUTIAN ISLANDS										
02	ASD	IPG	11 31	52.6	2.4	.1	2.84	133	70	-.0
		ES	11 32	7.1						-.7
02	ASB	EPG	11 31	53.6	4.6	.1	3.21	140	70	.2
		ES	11 32	9.0						-.2
02	ASC	EPG	11 31	54.2				142	75	.5
		ES	11 32	10.5						.9
02	AND	EPG	11 31	54.6				154	81	-.6
02	ANA	EPG	11 31	57.5				173	84	-.0
.....										
.....										
02	ADK	IF D	12 18	26.2						
		IS	12 18	41.5						
02	ASD	EPN	12 18	38.9						
		IPG	12 18	40.2	17.1	.1				
02	ASB	EPN	12 18	40.7						
		IPG	12 18	41.5	20.2	.1				

SEP 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
		ES	12 19 5.6							
02	ASC	EPN	12 18 41.5							
02	AND	EPN	12 18 43.7							
02	ANA	EPN	12 18 46.3							
		IPG	12 18 47.2							
02	ADK	IP 0	13 16 22.2							
		IS	13 16 48.3							
02	ASD	EPN	13 16 49.4	12.0	.1					
		ES	13 17 35.6							
02	ASB	EPN	13 16 50.5	12.1	.1					
		ES	13 17 37.1							
02	ASC	EPN	13 16 50.9							
		ES	13 17 38.3							
02	AND	EPN	13 16 51.5							
02	ANA	EPN	13 16 53.8							
02	ASD	EPN	15 02 23.1	3.8	.1					
		IS	15 02 45.0							
02	ASB	EPN	15 02 23.9	3.6	.1					
		ES	15 02 45.7							
02	ASC	EPN	15 02 24.4							
02	AND	EPN	15 02 25.3							
02	ANA	EPN	15 02 27.4							

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02	16 6 30.63	51.22 N 178.48 E	DEPTH = 20.5 KM	FREE DEPTH SOLUTION					
RAT ISLANDS, ALEUTIAN ISLANDS									
02	ANA	IPGD	16 06 39.2				47	196	-.0
02	AND	IPGD	16 06 39.6				51	221	-.1
02	ASC	IPG	16 06 40.5				55	240	.2
02	ASB	IPGD	16 06 40.5	12.1	.1	2.15	56	254	.0
		IS	16 06 47.5						-.1
02	ASD	IPGD	16 06 41.3	4.8	.1	1.93	63	254	-.2
		IS	16 06 49.4						.0

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02	17 0 46.08	50.61 N 177.40 E	DEPTH = 25.0 KM	FIXED DEPTH SOLUTION					
RAT ISLANDS, ALEUTIAN ISLANDS									
02	ANA	EPN	17 01 9.1				143	218	-.0
02	AND	IPN	17 01 10.4				152	226	.0
02	ASB	IPND	17 01 10.7	5.4	.1	3.43	154	238	-.0
		ES	17 01 28.6						-.1
02	ASC	IPND	17 01 11.0				156	233	.0
02	ASD	EPN	17 01 11.6	1.5	.1	2.95	161	239	-.0
		ES	17 01 30.3						.0

.....

02	ASD	EP	17 06 16.0	8.8	.2		NO S APPARENT.			
02	ASB	EP	17 06 16.7							
02	ASC	EP	17 06 17.7							
02	ANA	EP	17 06 20.1							

.....

02	17 34 15.51	51.26 N 178.91 E	DEPTH = 29.0 KM	FREE DEPTH SOLUTION					
RAT ISLANDS, ALEUTIAN ISLANDS									
02	ASB	EPG	17 34 21.9				26	245	.0
		IS	17 34 26.6						.1
02	ASC	EPG	17 34 22.4				29	219	.2
02	ASD	IPG	17 34 22.6	2.2	.1	.56	33	247	-.1
		IS	17 34 27.7						-.2
02	ANA	EPG	17 34 24.0				44	157	-.1

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02	ASD	EP	18 00 31.5	1.1	.1					
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SEP 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
02	ASB	EP	18 00 32.6							
02	ANA	EP	18 00 37.0							
.....										
02	18 55	4.07	52.09 N 179.12 E	DEPTH = 151.2 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
02	AND	EPGD	18 55 25.7				60	11	-.1	
02	ANA	IPGD	18 55 25.8				61	31	-.0	
02	ASC	EPG	18 55 26.6				70	358	.3	
02	ASD	IPGD	18 55 26.8	8.5	.1		81	349	-.1	
		ES	18 55 43.6						-.0	
02	ASE	IPGC	18 55 27.0				82	354	.0	
		ES	18 55 43.8						.1	
.....										
02	ADK	EP	21 27 49.5							
		ES	21 28 19.5							
.....										
02	22 4	7.90	64.58 N 150.91 W	DEPTH = 16.0 KM			TELESEISMIC SOLUTION			
CENTRAL ALASKA										
02	ADK	E(P)	22 08 23.5				2043	36		
.....										
03	ADK	EP	00 41 45.1							
		ES	00 42 0.0							
03	ASD	ERNP	00 41 46.6	17.5	.1					
		IPG	00 41 48.4							
03	ASE	EPN	00 41 47.7	18.2	.1					
		IS	00 42 7.3							
03	ASC	EPN	00 41 48.7							
03	ANA	IFND	00 41 54.4							
.....										
03	3 5	8.40	51.35 N 178.62 E	DEPTH = 50.0 KM			FIXED DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
03	ANA	EPG	03 05 17.4				31	185	-.1	SMALL AMP.
03	ASC	EPG	03 05 18.5				40	252	.3	
03	ASE	EPG	03 05 18.8				44	268	.2	
		ES	03 05 26.3						.3	
03	ASD	EPG	03 05 18.8				50	267	-.5	
		ES	03 05 26.9						-.3	
.....										
03	5 22	8.47	51.39 N 179.97 E	DEPTH = 25.0 KM			FIXED DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
03	ASD	IPGD	05 22 16.6	2.7	.1	1.09	43	88	-.1	
03	ASB	IPGC	05 22 17.7	2.8	.1	1.34	50	86	.1	
		IS	05 22 24.3						-.0	
03	ASC	EPG	05 22 18.6				56	98	.1	
03	ANA	EPG	05 22 24.1				94	106	-.0	
.....										
03	ADK	IP D	06 02 52.5							
		IS	06 03 16.0							
.....										
03	8 37	34.87	51.08 N 178.22 E	DEPTH = 0.0 KM			FIXED DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
03	ANA	IPG	08 37 47.3				68	207	.1	
		IS	08 37 56.1						-.1	
03	ASC	EPG	08 37 48.8				78	238	-.3	
03	ASD	EPG	08 37 49.5	2.4	.1	2.11	85	248	-.6	

SEP 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
03	ASB	EPG	08 37 50.0				78	247	1.0	
		IS	08 37 59.2						-.2	
.....										
03	8 56 38.79	50.89 N 179.64 E DEPTH = 25.0 KM					FIXED DEPTH SOLUTION			
	RAT ISLANDS, ALEUTIAN ISLANDS									
03	ASD	IPGD	08 56 49.0	20.0	.1	2.43	58	159	-.1	
		IS	08 56 56.5						-.1	
03	ASB	IPG	08 56 49.4	6.5	.1	1.97	59	152	.1	
		IS	08 56 57.0						.1	
03	ASC	EPG	08 56 51.2				72	152	.1	
03	ANA	IPG	08 56 56.2				107	140	-.1	
.....										
03	9 15 33.99	50.98 N 178.47 E DEPTH = 25.0 KM					FIXED DEPTH SOLUTION			
	RAT ISLANDS, ALEUTIAN ISLANDS									
03	ASB	EPG	09 15 45.9	3.3	.1	1.92	69	232	.0	
		IS	09 15 54.5						-.0	
03	ASC	IPGC	09 15 46.5				72	222	.1	
03	ANA	EPG	09 15 46.5				73	190	-.0	
03	ASD	IPG	09 15 46.7	2.8	.1	1.99	75	234	-.1	
.....										
03	9 16 19.35	52.67 N 178.76 E DEPTH = 100.0 KM					FIXED DEPTH SOLUTION			
	RAT ISLANDS, ALEUTIAN ISLANDS									
03	ANA	EPN	09 16 40.4				116	3	-.0	SMALL.
		IS	09 16 55.8						.0	
03	ASD	EPN	09 16 43.9				149	345	.0	
03	ASB	EPN	09 16 43.9				149	347	-.0	
		IS	09 17 1.8						-.0	
.....										
03	ASD	EPG	09 20 38.3	2.1	.1					
		ES	09 20 41.5							
03	ASB	EPG	09 20 39.5							
		ES	09 20 43.2							
.....										
03	ANA	IPGD	10 51 53.0							SMALL
		ES	10 52 2.5							
03	ASC	IPG	10 51 53.7							
03	ASD	EPG	10 51 53.9							
.....										
03	11 29 38.16	50.99 N 178.48 E DEPTH = 25.0 KM					FIXED DEPTH SOLUTION			
	RAT ISLANDS, ALEUTIAN ISLANDS									
03	ASB	EPG	11 29 49.9				68	233	.0	
03	ASC	IPG	11 29 50.5				71	223	.1	
03	ANA	EPG	11 29 50.5				72	190	-.0	
		IS	11 29 59.5						-.0	
03	ASD	IPGD	11 29 50.7	1.5	.1	1.71	74	235	-.1	
.....										
03	13 37 1.75	51.27 N 179.80 E DEPTH = 25.0 KM					FIXED DEPTH SOLUTION			
	RAT ISLANDS, ALEUTIAN ISLANDS									
03	ASD	IPG	13 37 8.5	4.8	.1	.94	34	110	-.2	LOCAL
03	ASE	IPG	13 37 9.6	5.1	.1	1.22	40	104	.1	
		IS	13 37 15.0						-.1	
03	ASC	EPG	13 37 10.6				49	116	-.1	
03	ANA	EPG	13 37 16.7				88	116	.2	
.....										

SEP 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
03	13 45	35.02	51.04 N 178.36 E	DEPTH = 73.3 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
03	ANA	IPG	13 45 49.4				69	198	-.0	SMALL
		ES	13 45 59.9						.0	
03	ASB	EPG	13 45 49.7				72	241	.0	
03	ASC	EPG	13 45 49.9				73	230	.0	
03	ASD	EPG	13 45 50.3				78	242	-.0	
03	15 6	20.55	51.32 N 179.00 W	DEPTH = 25.0 KM			FIXED DEPTH SOLUTION			
DELAROF ISLANDS, ALEUTIAN ISLANDS										
03	ASD	EPG	15 06 39.1				116	92	-.3	SMALL
03	ASB	EPG	15 06 40.6				122	91	.2	
		ES	15 06 54.8						.0	
03	ASC	EPG	15 06 41.4				129	96	.1	
03	15 9	38.47	51.50 N 179.34 W	DEPTH = 100.0 KM			FIXED DEPTH SOLUTION			
DELAROF ISLANDS, ALEUTIAN ISLANDS										
03	ASD	IPG	15 09 56.7	1.7	.1		93	81	-.6	
		ES	15 10 10.6						-.4	
03	ASB	EPG	15 09 58.1	5.1	.1		99	80	.2	
		IS	15 10 12.4						.3	
03	ASC	EPG	15 09 58.9				104	87	.6	
03	ANA	EPG	15 10 1.7				139	95	-.2	
03	15 39	34.58	51.81 N 179.09 W	DEPTH = 50.0 KM			FIXED DEPTH SOLUTION			
DELAROF ISLANDS, ALEUTIAN ISLANDS										
03	ASD	IFGC	15 39 53.1	3.2	.1	2.78	118	66	-.4	
03	ASB	EPG	15 39 54.5				125	66	.2	
		IS	15 40 8.7						-.0	
03	ASC	EPG	15 39 54.8				126	72	.3	
03	ANA	EPG	15 39 58.0				156	82	-.1	
03	17 6	38.53	51.99 N 179.57 E	DEPTH = 157.6 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
03	ASD	EP	17 07 1.2	6.0	.1		70	13	-.3	
		IS	17 07 18.1						-.1	
03	ASC	EP	17 07 1.5				65	25	.3	
03	ANA	EP	17 07 1.6				74	57	-.1	
03	ASB	EP	17 07 1.7	4.2	.1		73	17	.1	
		IS	17 07 18.6						.1	
03	17 50	29.08	51.05 N 179.48 E	DEPTH = 25.0 KM			FIXED DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
03	ASD	IPGD	17 50 36.3	199.6	.2	2.41	37	165	-.2	
		IS	17 50 41.6						-.2	
03	ASB	IPGD	17 50 36.8	60.3	.2	1.91	38	155	.3	
		IS	17 50 42.2						.2	
03	ASC	IPG	17 50 38.4				50	154	.1	
03	ANA	EPG	17 50 43.2				85	138	-.2	

SEP 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
03	18	9	48.76	51.07 N	179.21 E	DEPTH = 20.7 KM	FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
03	ASB	IPGD	18 09 55.3	46.5	.1	1.85	32	185	.1	
		IS	18 09 59.8						-.1	
03	ASD	IPGD	18 09 55.5	53.6	.1	2.06	35	195	-.1	
03	ASC	IPGD	18 09 56.9				44	176	.1	
03	AND	IPGD	18 09 58.8				57	162	-.0	
		IS	18 10 6.2						.1	
03	ANA	IPGC	18 10 1.0				73	148	-.1	
03	18	10	27.12	50.93 N	179.09 E	DEPTH = 25.0 KM	FIXED DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
03	ASB	IPGD	18 10 36.3	20.6	.1	2.19	50	193	.1	
		IS	18 10 40.8						-2.1	
03	ASD	IPGD	18 10 36.4	26.7	.1	2.42	53	200	-.3	
03	ASC	IPGD	18 10 37.9				60	185	.2	
03	AND	IPGD	18 10 39.8				72	172	.4	
03	ANA	IPG	18 10 40.9				84	159	-.3	
		IS	18 10 51.3						-.1	
03	18	11	32.29	51.07 N	179.23 E	DEPTH = 25.5 KM	FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
03	ASB	IPGD	18 11 39.1	101.1	.1	2.18	32	182	.1	
		IS	18 11 43.9						-.1	
03	ASD	IPGD	18 11 39.3				35	193	-.1	
03	ASC	IPGD	18 11 40.7				44	174	.1	
03	AND	IPGD	18 11 42.5				58	160	-.1	
		IS	18 11 50.1						.0	
03	ANA	IPGC	18 11 44.8				73	147	-.0	
03	19	19	31.30	51.69 N	179.99 E	DEPTH = 25.0 KM	FIXED DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
03	ASD	IPGD	19 19 41.3	7.1	.1	1.95	57	52	-.1	
03	ASC	IPGD	19 19 42.3				62	65	.1	
03	ASB	IPGC	19 19 42.5				63	54	.1	
		IS	19 19 50.4						-.0	
03	AND	EPG	19 19 43.6				73	78	-.2	
03	ANA	EPG	19 19 46.7				92	85	.1	
03	19	37	50.65	51.55 N	179.04 E	DEPTH = 18.4 KM	FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
03	ASC	IPG	19 37 54.5				13	320	.0	SMALL
03	ASB	EPG	19 37 56.0				26	327	.0	
		IS	19 37 59.9						.0	
03	ANA	IPGD	19 37 56.3				28	107	-.0	
03	21	2	43.04	51.21 N	178.55 E	DEPTH = 17.0 KM	FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
03	ANA	EPG	21 02 51.4				47	190	-.0	
03	AND	IPG	21 02 51.6				48	216	-.0	
03	ASB	IPG	21 02 52.1	3.2	.1	1.44	51	252	-.0	
		IS	21 02 58.7						-.0	

SEP 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
-------------	-----	-------	---------------	-------------	--------------	-----	--------------	--------------	--------------	---------

03	ADK	EP	23 06 28.2							
		ES	23 06 49.9							
03	ASD	EPN	23 06 50.5	3.4	.1					
		ES	23 07 27.9							
03	ASB	EPN	23 06 51.6	3.3	.1					
		ES	23 07 29.4							
03	ASC	EPN	23 06 51.7							

.....
 . 04 3 19 .69 51.65 N 178.93 W DEPTH = 75.0 KM FIXED DEPTH SOLUTION
 . DELAROF ISLANDS, ALEUTIAN ISLANDS
 .

. 04	ASD	IPN	03 19 20.9	2.4	.1		124	75	-.1	
		ES	03 19 35.7						-.2	
. 04	ASB	IPN	03 19 21.7	3.2	.1		130	75	-.1	
		IS	03 19 37.8						.6	
. 04	ASC	IPN	03 19 22.3				134	80	.1	
. 04	AND	IPN	03 19 23.3				147	85	-.4	
		IS	03 19 40.1						-.4	
. 04	ANA	IPN	03 19 26.6				166	88	.6	

04	ASE	EPN	05 00 2.8	2.7	.1					
		IS	05 00 19.6							
04	ASD	IPN	05 00 3.5	3.8	.1					
		IS	05 00 21.4							
04	ASC	EPN	05 00 3.8							
		IS	05 00 22.0							
04	AND	EPN	05 00 4.4							
		IS	05 00 23.1							
04	ANA	EPN	05 00 5.0							
		IS	05 00 24.5							

04	ANA	IP	06 57 1.1							
04	AND	EP	06 57 3.9							
04	ASC	EP	06 57 6.4							
04	ASB	EP	06 57 9.9							
		E	06 58 11.3							
04	ASD	EP	06 57 10.4							
		E	06 58 13.8							

.....
 . 04 7 0 54.44 51.52 N 178.14 E DEPTH = 55.1 KM FREE DEPTH SOLUTION
 . RAT ISLANDS, ALEUTIAN ISLANDS
 .

. 04	ANA	EPG	07 01 4.5				38	252	-.0	SMALL AMP.
		ES	07 01 11.9						.0	
. 04	AND	EPG	07 01 6.1				56	266	-.2	
. 04	ASC	EPG	07 01 8.2				71	276	.3	
. 04	ASB	EPG	07 01 8.7				79	284	-.0	
. 04	ASD	EPG	07 01 9.3				85	281	-.1	
		ES	07 01 20.3						-.1	

.....
 . 04 9 1 21.50 51.33 N 179.10 E DEPTH = 39.0 KM FREE DEPTH SOLUTION
 . RAT ISLANDS, ALEUTIAN ISLANDS
 .

. 04	ASD	IPGC	09 01 28.2	8.8	.1	.17	18	254	-.2	
. 04	ASE	IPG	09 01 28.2				11	253	.2	
		ES	09 01 32.6						-.2	
. 04	ASC	IPGD	09 01 28.4				15	198	.2	
. 04	AND	EPG	09 01 29.1				27	159	-.1	
		IS	09 01 34.8						.1	
. 04	ANA	EPG	09 01 30.9				45	137	-.1	

04	ASB	EP	09 43 29.3	4.6	.2					
		ES	09 43 47.1							

SEP 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
04	ASD	EP	09 43 29.7	2.8	.1					
		ES	09 43 48.5							
04	ASC	EP	09 43 32.0							
04	AND	EP	09 43 32.9							
04	ANA	IP	09 43 36.0							

.....										FIXED DEPTH SOLUTION
04	11 11 13.64	51.18 N 179.23 W DEPTH = 50.0 KM					DELAROF ISLANDS, ALEUTIAN ISLANDS			
04	ASD	EPN	11 11 30.0				102	102		-.5
		IPG	11 11 31.6	8.5	.1	2.96				.5
		ES	11 11 43.3							.1
04	ASB	EPN	11 11 31.4				108	100		-.2
		IPG	11 11 32.4							.2
		ES	11 11 43.9							-.2
04	ASC	IPN	11 11 32.4				116	105		-.2
		IPG	11 11 33.5							.4
04	AND	EPN	11 11 34.1				133	108		-.3
04	ANA	EPN	11 11 37.4				154	108		-.3
		ES	11 11 53.7							

.....										FREE DEPTH SOLUTION
04	13 41 42.84	51.71 N 179.31 E DEPTH = 83.6 KM					RAT ISLANDS, ALEUTIAN ISLANDS			
04	AND	EP	13 41 55.1				29	56		-.3
04	ASC	IP	13 41 55.7				29	19		.1
		ES	13 42 4.6							-.1
04	ASD	IP	13 41 55.8				37	356		-.1
		ES	13 42 5.2							-.1
04	ASB	EP	13 41 55.8				39	6		.1
04	ANA	IP	13 41 56.4				45	78		

.....										FREE DEPTH SOLUTION
04	15 56 2.14	52.00 N 178.54 E DEPTH = 183.6 KM					RAT ISLANDS, ALEUTIAN ISLANDS			
04	ANA	EP	15 56 27.0				42	349		-.1
04	AND	IP	15 56 27.3				56	330		-.2
04	ASC	IP	15 56 28.4				73	324		-.0
		ES	15 56 47.2							-.0
04	ASB	EP	15 56 28.8	4.6	.1		86	326		-.1
04	ASD	IP	15 56 28.9	3.1	.1		88	322		

04	ASD	IP	16 13 57.6							
		I	16 13 58.5	3.4	.1					
		IS	16 14 7.2							
04	ASB	EP	16 13 58.0							
04	ASC	IP	16 14 .1							
04	AND	IP	16 14 2.7							
04	ANA	EP	16 14 6.0							

.....										FREE DEPTH SOLUTION
04	17 27 31.92	51.63 N 178.76 E DEPTH = 79.8 KM					RAT ISLANDS, ALEUTIAN ISLANDS			
04	ANA	IPGD	17 27 43.3				7	89		-.1
		IS	17 27 51.8							-.1
04	AND	IPGD	17 27 43.4				15	298		-.1
		IS	17 27 51.9							-.1
04	ASC	IPG	17 27 44.5				33	303		-.2
04	ASB	EPG	17 27 44.9	7.3	.1		45	311		-.1
04	ASD	IPG	17 27 45.2	9.5	.1		49	305		-.0
		IS	17 27 54.9							-.1

SEP 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
04	ASD	EP	18 16 29.3	2.2	.1					
		ES	18 16 46.7							
04	ASB	EP	18 16 30.8							
04	ASC	EP	18 16 31.8							
.....										
04	19 18 11.38	52.10 N 178.64 E DEPTH = 125.6 KM						FREE DEPTH SOLUTION		
		RAT ISLANDS, ALEUTIAN ISLANDS								
04	ANA	IPGD	19 18 29.8				53	358	-.0	SMALL AMP.
		IS	19 18 43.3						-.0	
04	AND	IPGC	19 18 30.5				64	340	.1	
04	ASB	EPG	19 18 32.5				92	333	.1	
04	ASD	EPG	19 18 32.5				94	329	-.1	
.....										
05	ASD	EP	01 01 45.1							SMALL S
05	ANA	IP	01 01 45.4							OBSCURED BY
05	ASC	IP	01 01 45.4							FOLLOWING EVENT
.....										
05	1 1 27.70	52.58 N 178.72 E DEPTH = 125.0 KM						FIXED DEPTH SOLUTION		
		RAT ISLANDS, ALEUTIAN ISLANDS								
05	ANA	IP D	01 01 49.8				106	2	-.0	
05	AND	IP	01 01 50.8				114	352	.3	
		IS	01 02 7.2						.0	
05	ASC	I(P)	01 01 51.0				128	346	-.8	
05	ASB	IP D	01 01 53.1	6.1	.1		140	345	.1	
05	ASD	IP D	01 01 53.3	6.2	.1		140	342	.3	
		IS	01 02 11.4						-.0	
.....										
05	1 18 14.98	51.13 N 179.13 W DEPTH = 25.0 KM						FIXED DEPTH SOLUTION		
		DELAROF ISLANDS, ALEUTIAN ISLANDS								
05	ASD	IPGD	01 18 32.9	14.1	.1	3.30	110	104	-.1	
		IS	01 18 45.8						-.3	
05	ASB	IPG	01 18 34.0	64.6	.2	3.75	116	102	.1	
		IS	01 18 47.7						.0	
05	ASC	IPG	01 18 35.3				124	107	.2	
		IS	01 18 50.0						.2	
05	ANA	IPG	01 18 40.7				163	109	-.1	
.....										
05	3 38 11.34	50.33 N 178.17 E DEPTH = 50.0 KM						FIXED DEPTH SOLUTION		
		RAT ISLANDS, ALEUTIAN ISLANDS								
05	ASB	EPN	03 38 32.5	2.2	.1	2.86	138	214	-.1	
05	ASD	IPN	03 38 33.4	2.8	.1	3.02	143	216	.1	
		IS	03 38 49.3						.0	
05	ASC	EPN	03 38 33.6				145	209	.1	
05	AND	IPND	03 38 33.7				148	202	-.2	
05	ANA	IPND	03 38 34.1				149	194	.1	
.....										
05	5 25 50.83	51.51 N 179.73 W DEPTH = 96.6 KM						FREE DEPTH SOLUTION		
		DELAROF ISLANDS, ALEUTIAN ISLANDS								
05	ASD	IPG	05 26 7.0	3.2	.1		66	77	-.1	
		IS	05 26 18.8						-.2	
05	ASB	IPG	05 26 7.7				73	77	.1	
05	ASC	EPG	05 26 8.1				77	86	.1	
		ES	05 26 20.6						.1	
05	AND	IPG	05 26 9.2				92	93	-.1	
05	ANA	EPG	05 26 11.2				112	96	-.1	

SEP 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
05	5 47 23.66		52.02 N 178.53 E	DEPTH = 84.1 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
05	ANA	IPG	05 47 37.1				44	348	.0	
		IS	05 47 46.9						.0	
05	AND	IPG	05 47 38.1				58	330	-.0	
05	ASC	EPG	05 47 39.6				76	325	.0	
05	ASD	IPG	05 47 41.0				91	322	-.0	
.....										
05	7 18 11.32		51.06 N 179.24 E	DEPTH = 24.4 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
05	ASB	IPGD	07 18 18.2	6.9	.1	1.07	33	181	.1	
		IS	07 18 23.1						-.0	
05	ASD	IPGD	07 18 18.4	13.4	.1	1.48	36	191	-.1	
05	ASC	IPG	07 18 19.8				45	173	.1	
05	AND	IPG	07 18 21.8				59	160	.0	
05	ANA	EPG	07 18 24.0				75	147	-.0	
.....										
05	7 22 5.65		51.36 N 179.71 E	DEPTH = 54.8 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
05	ASD	IPG	07 22 14.8	93.0	.1		26	94	.0	
		IS	07 22 21.5						.0	
05	ASB	IPG	07 22 15.2	94.8	.1		32	90	-.0	
		IS	07 22 22.2						-.0	
05	ASC	IPG	07 22 16.0				39	107	.2	
05	AND	IPG	07 22 17.3				57	113	-.2	
		IS	07 22 26.2						.0	
05	ANA	IPG	07 22 20.0				78	112	.1	
.....										
05	7 52 27.90		52.23 N 151.43 E	DEPTH = 580.0 KM MB = 5.7			TELESEISMIC SOLUTION			
			SEA OF OKHOTSK							
05	ANA	EP	07 55 53.0				1866	283		
		E(S)	07 58 51.1							
		I	08 02 52.3							
05	AND	EP	07 55 54.5				1887	283		
		E(S)	07 58 51.2							
05	ASC	EP	07 55 56.1				1904	283		
05	ASB	EP	07 55 56.7				1912	284		
05	ASD	EP	07 55 57.0				1918	284		
		I(S)	07 58 58.4							
05	ADK	IP C	07 56 18.1				2179	284		
		E	07 56 48.1							
		E	08 02 55.3							
.....										
05	ANA	EPG	08 44 58.1							
		E(S)	08 45 6.0							
05	AND	EPG	08 45 .6							
05	ASB	EPG	08 45 3.5							
.....										
05	9 20 49.35		51.39 N 179.43 E	DEPTH = 24.9 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
05	ASD	EPG	09 20 53.6				6	72	-.0	
		ES	09 20 56.7						-.0	
05	ASE	EPG	09 20 54.0				13	73	-.0	
05	ASC	EPG	09 20 54.6				20	113	-.0	
.....										

ALL LEVELS
OVERDRIVEN.

SEP 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
05	ASB	IPGC	10 06 37.5	4.0	.1					
		IS	10 06 52.4							
05	ASD	IPG	10 06 37.9	1.1	.1					
05	AND	EPG	10 06 39.7							
.....										
05	10 17 34.86		51.16 N 178.38 E	DEPTH = 25.0 KM			FIXED DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
05	ANA	IPGD	10 17 44.7				56	201	-.2	
05	AND	IPG	10 17 45.2				60	222	-.3	
		IS	10 17 53.8						.5	
05	ASC	IPG	10 17 46.2				64	238	.1	
05	ASE	IPGD	10 17 46.5	9.0	.2	1.95	65	250	.4	
		ES	10 17 54.2						-.1	
05	ASD	IPGD	10 17 47.1	15.4	.3	2.17	71	250	-.0	
		ES	10 17 55.5						-.5	
.....										
05	11 9 53.60		52.69 N 152.83 E	DEPTH = 541.0 KM MB = 4.0			TELESEISMIC SOLUTION			
			NORTHWEST OF KURIL ISLANDS							
05	ANA	EP	11 13 11.1				1764	284		
05	AND	EP	11 13 12.9				1785	284		
05	ASD	EP	11 13 15.7				1817	285		
.....										
05	16 28 50.00		51.40 N 179.62 E	DEPTH = 63.9 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
05	ASD	EPG	16 28 59.9	1.4	.1		20	82	.0	
		ES	16 29 7.0						-.0	
05	ASE	EPG	16 29 .2	2.7	.1		26	80	.0	
		ES	16 29 7.6						-.0	
05	ASC	EPG	16 29 .5				32	102	-.0	
		ES	16 29 8.3						.1	
.....										
05	17 24 23.39		51.62 N 179.38 E	DEPTH = 10.8 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
05	ASC	IPG	17 24 28.4				23	41	.3	
05	ASD	IPG	17 24 28.7	21.7	.1	1.26	27	6	-.1	
		IS	17 24 32.5						-.2	
05	AND	IPG	17 24 29.1				31	77	-.2	
05	ASB	IPG	17 24 29.3	20.2	.1	1.40	31	18	.0	
		IS	17 24 33.6						-.0	
05	ANA	IPG	17 24 32.3				50	90	.0	
.....										
05	ANA	IPN	18 16 29.9							
05	AND	EPN	18 16 32.7							
05	ASC	EPN	18 16 35.1							
05	ASE	IPN	18 16 36.2							
		ES	18 16 54.3							
05	ASD	EPN	18 16 36.4	24.5	.2					
		ES	18 16 56.3							
.....										
05	18 23 18.94		51.30 N 178.87 E	DEPTH = 40.4 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
05	ASB	IPGD	18 23 26.7	3.6	.1	.46	27	256	-.0	
		ES	18 23 32.4						-.0	
05	AND	IPGD	18 23 26.8				30	191	-.2	
05	ASC	IPGD	18 23 26.9				27	229	.1	

SEP 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
		IS	18 23 32.5						.1	
05	ASD	EPG	18 23 27.4				34	256	.0	
05	ANA	EPG	18 23 28.0				39	158	.1	
.....										
05	18 53 26.85 51.70 N 179.96 E DEPTH = 25.0 KM								FIXED DEPTH SOLUTION	
RAT ISLANDS, ALEUTIAN ISLANDS										
05	ASD	IPGD	18 53 36.7	23.5	.1	2.44	56	50	-.1	
		IS	18 53 44.0						-.1	
05	ASC	IPGC	18 53 37.7				61	64	.1	
05	ASB	IPGC	18 53 37.9	60.6	.1	3.02	62	53	.2	
		IS	18 53 45.8						.1	
05	AND	IPG	18 53 38.9				71	78	-.2	
05	ANA	EPG	18 53 42.0				90	85	.1	
.....										
05	ADK	EP	19 02 23.9							
		ES	19 02 35.5							
.....										
05	20 29 56.75 51.96 N 179.83 E DEPTH = 168.9 KM								FREE DEPTH SOLUTION	
RAT ISLANDS, ALEUTIAN ISLANDS										
05	ASD	EP	20 30 20.9	3.8	.1		73	27	-.2	
		ES	20 30 38.8						-.1	
05	ASC	EP	20 30 21.3				71	40	.3	
05	ASB	IPD	20 30 21.4	5.6	.1		77	31	.0	
		ES	20 30 39.4						.1	
05	ANA	EP	20 30 21.9				88	65	-.1	
.....										
05	21 1 47.92 51.38 N 179.27 W DEPTH = 25.0 KM								FIXED DEPTH SOLUTION	
DELAROF ISLANDS, ALEUTIAN ISLANDS										
05	ASD	EPG	21 02 3.7				96	89	-.2	SMALL AMP.
05	ASB	EPG	21 02 5.0				103	88	.1	
		IS	21 02 17.2						.0	
05	ASC	EPG	21 02 5.8				109	94	.0	
05	ANA	EPG	21 02 11.3				146	100	-.0	
		ES	21 02 26.0						-2.3	
.....										
05	21 33 48.05 51.45 N 179.34 E DEPTH = 64.8 KM								FREE DEPTH SOLUTION	
RAT ISLANDS, ALEUTIAN ISLANDS										
05	ASD	EPG	21 33 57.6	2.4	.1		9	1	-.1	
		ES	21 34 4.7						.0	
05	ASB	IPGC	21 33 57.8	7.4	.1		12	33	.0	
		ES	21 34 4.8						-.0	
05	ASC	IPG	21 33 57.8				12	94	.0	
05	ANA	IPGD	21 34 .1				51	112	-.0	
.....										
05	ASD	EP	21 37 20.0							REG
05	ASB	EP	21 37 20.9							
05	ASC	EP	21 37 22.0							
.....										
06	ANA	EPN	02 09 59.1							POOR. VERY
		ES	02 10 31.0							
06	AND	EPN	02 10 1.6							EMERG.
.....										
06	ADK	EP	02 56 33.4							
		ES	02 56 52.6							
06	ASD	EPN	02 56 52.5	5.7	.1					
06	ASE	EPN	02 56 53.2	8.7	.1					

SEP 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
06	ASC	EPN	02 56 53.7							
06	AND	EPN	02 56 54.4							
06	ANA	IPNC	02 56 56.3							
		IS	02 57 33.5							
.....										
06	4	2 57.40	49.77 N 78.09 E	DEPTH =	0.0 KM	MB = 5.6	TELESEISMIC SOLUTION			
EASTERN KAZAKH SSR										
06	ANA	EP	04 12 57.0				6515	312		TELE
06	AND	EP	04 12 58.3				6535	312		
06	ASB	EP	04 13 0.0				6565	312		
06	ASD	EP	04 13 0.0				6569	312		
06	ADK	EP	04 13 11.3				6737	314		
.....										
06	4	57 44.79	52.28 N 179.76 E	DEPTH =	150.0 KM		FIXED DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
06	AND	IP	04 58 8.6				97	35	-0.0	
06	ASD	IP D	04 58 9.0	7.8	.1		104	16	-0.1	
06	ASC	EP	04 58 9.0				99	24	-0.2	
06	ANA	IP C	04 58 9.1				104	46	-0.1	
06	ASB	IP	04 58 9.4	8.4	.1		108	19	-0.0	
		ES	04 58 27.4						.0	
.....										
06	4	59 11.16	50.85 N 179.51 E	DEPTH =	25.0 KM		FIXED DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
06	ASD	IPGD	04 59 21.5	22.0	.1	2.51	60	169	-0.2	
06	ASB	IPG	04 59 21.9				59	162	.2	
06	ASC	IPG	04 59 23.6				72	161	.1	
06	AND	IPGC	04 59 25.8				88	154	-0.1	
		IS	04 59 36.6						.0	
06	ANA	EPG	04 59 28.3				104	145	-0.0	
.....										
06	ASD	EPN	06 41 34.7	2.9	.1					
06	ASB	EPN	06 41 34.7							
		ES	06 41 52.9							
06	ASC	IPNC	06 41 36.5							
.....										
06	7	33 13.89	51.18 N 179.77 E	DEPTH =	41.4 KM		FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
06	ASD	IPG	07 33 22.8	2.9	.1	.89	37	126	-0.0	POOR RECORDING.
06	ASB	EPG	07 33 23.3				42	119	-0.0	
06	ASC	EPG	07 33 24.6				53	126	-0.0	
		ES	07 33 32.4						-0.0	
.....										
06	ANA	EPN	08 33 13.2							
06	AND	EPN	08 33 15.2							
06	ASB	IPN	08 33 16.7	5.1	.1					
		ES	08 33 41.6							
06	ASD	EPN	08 33 17.5							
		ES	08 33 42.5							
.....										
06	9	38 21.28	51.19 N 178.64 E	DEPTH =	31.5 KM		FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
06	ASB	IPG	09 38 30.4	10.5	.1	1.80	47	246	.0	
		IS	09 38 37.0						-0.0	
06	AND	IPGD	09 38 30.4				47	208	-0.1	

SEP 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
06	ANA	IPG	09 38 30.7				49	182	-.0	
06	ASC	IPG	09 38 30.7				48	230	.2	
06	ASD	IPG	09 38 31.2				53	247	-.1	
.....										
06	9 53 48.53		51.68 N 179.41 W				DEPTH = 100.0 KM			FIXED DEPTH SOLUTION
DELAROF ISLANDS, ALEUTIAN ISLANDS										
06	ASD	IPGC	09 54 6.7	2.7	.1		93	68	-.6	
		ES	09 54 21.2						.1	
06	ASB	EPG	09 54 7.9				100	68	-.1	
		ES	09 54 22.5						.3	
06	AND	EPG	09 54 8.8				114	83	-.5	
		ES	09 54 24.0						-.5	
06	ASC	EPG	09 54 9.0				101	75	.9	
06	ANA	EPG	09 54 11.8				133	86	.5	
.....										
06	10 14 23.87		51.18 N 178.75 E				DEPTH = 12.1 KM			FREE DEPTH SOLUTION
RAT ISLANDS, ALEUTIAN ISLANDS										
06	ASB	IPG	10 14 31.2	9.6	.1	1.53	40	240	.0	
		IS	10 14 36.5						-.0	
06	ASC	IPG	10 14 31.8				43	223	.2	
06	AND	IPG	10 14 31.9				45	198	-.0	
		IS	10 14 37.8						-.0	
06	ASD	EPG	10 14 32.1	4.1	.1	1.40	47	242	-.1	
06	ANA	IPG	10 14 32.7				50	173	-.0	
.....										
06	10 47 42.70		5.06 S 151.24 E				DEPTH = 154.0 KM MB = 4.8			TELESEISMIC SOLUTION
NEW BRITAIN REGION										
06	ADK	EP	10 57 53.3				7006	217		
.....										
06	11 32 24.20		51.53 N 178.23 E				DEPTH = 57.3 KM			FREE DEPTH SOLUTION
RAT ISLANDS, ALEUTIAN ISLANDS										
06	ANA	IPGC	11 32 33.8				32	251	-.2	
		IS	11 32 41.4						.2	
06	AND	IPGC	11 32 35.5				50	266	-.1	
06	ASC	EPG	11 32 37.4				65	277	.3	
06	ASB	EPG	11 32 38.0	2.9	.1		73	285	.0	
06	ASD	EPG	11 32 38.6	3.4	.1		79	283	-.0	
		IS	11 32 48.9						-.3	
.....										
06	ADK	IP C	12 07 6.0							
		IS	12 07 20.2							
06	ASD	IPN	12 07 12.8	17.5	.1					
06	ASB	EPN	12 07 13.6	15.4	.1					
		ES	12 07 35.7							
06	ASC	EPN	12 07 14.8							
06	AND	EPN	12 07 16.3							
06	ANA	EPN	12 07 19.3							
.....										
06	12 12 25.15		51.95 N 179.06 W				DEPTH = 75.0 KM			FIXED DEPTH SOLUTION
DELAROF ISLANDS, ALEUTIAN ISLANDS										
06	ASD	IPN	12 12 45.8	1.4	.1		127	60	-.1	
		IS	12 13 .9						-.2	
06	ASB	EPN	12 12 46.8				134	60	.1	
		ES	12 13 2.1						-.3	

SEP 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
. 06	ASC	EPN	12 12 47.0				134	66	.3	
.		ES	12 13 2.7						.3	
. 06	AND	EPN	12 12 47.6				143	72	-.2	
.		ES	12 13 4.4						.1	
. 06	ANA	EPN	12 12 49.7				161	76	-.1	
.....										
06	ASB	EPG	12 36 19.3	3.2	.1					
		ES	12 36 24.6							
06	ASD	IPGC	12 36 19.6	1.7	.1					
		IS	12 36 24.9							
06	ASC	EPG	12 36 20.6							
06	AND	EPG	12 36 22.3							
06	ANA	EPG	12 36 24.5							
.....										
. 06	12 50 8.93		51.58 N 178.76 E	DEPTH = 83.2 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
. 06	ANA	EPG	12 50 20.8				8	126	.0	
. 06	AND	EPG	12 50 20.8				14	279	-.1	
.		ES	12 50 29.6						-.0	
. 06	ASC	EPG	12 50 21.7				31	295	.2	
. 06	ASB	EPG	12 50 22.1				42	306	-.0	
. 06	ASD	EPG	12 50 22.3				46	300	-.1	
.....										
. 06	13 51 59.46		51.25 N 179.72 W	DEPTH = 24.8 KM			FREE DEPTH SOLUTION			
DELAROF ISLANDS, ALEUTIAN ISLANDS										
. 06	ASD	EPG	13 52 11.0				67	102	.0	
.		ES	13 52 19.4						.0	
. 06	ASB	EPG	13 52 11.9				73	99	.0	
. 06	ASC	EPG	13 52 13.1				81	106	.0	
. 06	AND	EPG	13 52 15.7				98	110	.0	
.....										
06	ASD	IPND	13 59 1.2							
		IPG	13 59 2.2	17.9	.1					
		ES	13 59 17.2							
06	ASB	IPND	13 59 2.8							
		ES	13 59 19.1							
06	ASC	EPN	13 59 3.4							
06	ADK	IP	13 59 3.5							
		IS	13 59 21.2							
06	AND	EPN	13 59 6.1							
06	ANA	EPN	13 59 9.1							
.....										
06	ASD	EPG	15 16 9.5							SMALL
		ES	15 16 19.2							
06	ASB	EPG	15 16 11.7							
06	ASC	EPG	15 16 11.7							
.....										
. 06	15 41 1.33		51.41 N 179.89 W	DEPTH = 87.7 KM			FREE DEPTH SOLUTION			
DELAROF ISLANDS, ALEUTIAN ISLANDS										
. 06	ASD	EPG	15 41 15.9				53	86	.2	
.		ES	15 41 26.1						-.2	
. 06	ASB	IPG	15 41 16.1				60	85	-.1	
.		ES	15 41 27.3						.2	
. 06	ASC	EPG	15 41 16.7				66	95	.0	
.....										
06	ASB	EPN	16 20 9.0	3.0	.1					
		ES	16 20 26.0							
06	ASD	IPND	16 20 9.2	4.8	.1					
		IS	16 20 26.3							

SEP 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
06	ASC	EPN	16 20 11.0							
06	AND	EPN	16 20 12.1							
06	ANA	EPN	16 20 14.2							
.....										
06	17 41 14.31	51.67 N 179.50 E DEPTH = 72.6 KM				FREE DEPTH SOLUTION				
	RAT ISLANDS, ALEUTIAN ISLANDS									
06	ASD	IPGC	17 41 25.7	7.0	.1		35	18	-.2	
		IS	17 41 34.6						.2	
06	ASC	IPG	17 41 26.0				33	44	.2	
		IS	17 41 34.4						.2	
06	ASB	IPG	17 41 26.1				39	27	-.1	
		ES	17 41 34.9						.0	
06	AND	IPG	17 41 26.3				40	72	.1	
		IS	17 41 34.6						-.4	
06	ANA	IPG	17 41 27.8				58	84	.1	
		IS	17 41 37.4						-.0	
.....										
06	19 27 31.99	51.33 N 178.63 E DEPTH = 93.8 KM				FREE DEPTH SOLUTION				
	RAT ISLANDS, ALEUTIAN ISLANDS									
06	AND	IPG	19 27 45.7				34	221	-.2	
		IS	19 27 56.4						.3	
06	ANA	EPG	19 27 45.9				33	183	.0	
		IS	19 27 56.0						-.0	
06	ASB	EPG	19 27 46.3	2.1	.1		43	266	-.1	
		IS	19 27 57.0						.1	
06	ASD	EPG	19 27 47.1	2.0	.1		49	264	.3	
		IS	19 27 57.2						-.4	
.....										
06	21 23 38.00	51.32 N 179.86 W DEPTH = 25.0 KM				FIXED DEPTH SOLUTION				
	DELAROF ISLANDS, ALEUTIAN ISLANDS									
06	ASD	EPG	21 23 47.9				56	97	-.1	SMALL
		IS	21 23 55.3						.1	
06	ASB	EPG	21 23 49.0				62	94	.1	
		IS	21 23 56.6						-.2	
06	ASC	EPG	21 23 50.2				70	103	.2	
		IS	21 23 58.9						.2	
06	AND	IPGD	21 23 52.3				87	108	-.2	
06	ANA	EPG	21 23 55.7				108	108	-.0	
.....										
06	ASD	EP	22 39 14.3	11.5	.1					NO S VISIBLE.
06	ASB	EP	22 39 14.9							
06	ASC	EP	22 39 16.4							
06	AND	EP	22 39 17.3							
06	ANA	EP	22 39 18.4							
.....										
06	ANA	IP	23 36 6.6							TELE-
06	AND	IP	23 36 9.5							
06	ASC	EP	23 36 11.1							
06	ASD	EP	23 36 12.6							
.....										
07	1 41 41.65	51.64 N 179.39 E DEPTH = 128.7 KM				FREE DEPTH SOLUTION				
	RAT ISLANDS, ALEUTIAN ISLANDS									
07	ASD	EPG	01 41 59.4	10.6	.1		30	6	-.1	
07	ASC	EPG	01 41 59.4				25	38	-.0	
		IS	01 42 12.5						.1	
07	ASB	IPGC	01 41 59.8	9.8	.1		33	17	.2	
		IS	01 42 12.6						-.1	
07	ANA	IPG	01 42 13				50	88	-.0	
.....										

SEP 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
07	2 7	31.85	51.37 N 179.56 E	DEPTH = 58.6 KM		FREE DEPTH SOLUTION				
RAT ISLANDS, ALEUTIAN ISLANDS										
07	ASD	IPGD	02 07 40.8	4.8	.1		15	94	-.1	
		IS	02 07 47.5						-.0	
07	ASB	IPG	02 07 41.2	8.9	.1		22	88	.0	
		ES	02 07 48.0						-.0	
07	ASC	IPGD	02 07 41.9				29	111	.3	
07	AND	IPGD	02 07 42.9				47	117	-.2	
07	ANA	IPGD	02 07 45.2				68	114	.0	
.....										
07	2 57	7.34	51.20 N 178.50 E	DEPTH = 84.3 KM		FREE DEPTH SOLUTION				
RAT ISLANDS, ALEUTIAN ISLANDS										
07	ANA	IPG	02 57 21.2				49	193	.1	
		IS	02 57 31.2						.0	
07	AND	IPG	02 57 21.2				52	218	-.1	
		IS	02 57 31.5						.0	
07	ASB	EPG	02 57 21.5				55	251	-.1	
07	ASD	EPG	02 57 22.2	3.5	.2		62	251	.1	
.....										
07	3 14	53.01	51.68 N 179.05 W	DEPTH = 75.0 KM		FIXED DEPTH SOLUTION				
DELAROF ISLANDS, ALEUTIAN ISLANDS										
07	ASD	EPN	03 15 12.4				116	72	-.1	
07	ASB	IPN	03 15 13.5				123	72	.2	
		IS	03 15 28.1						-.0	
07	ASC	IPN	03 15 13.5				126	78	-.1	
07	ANA	EPN	03 15 17.4				158	87	.0	
.....										
07	3 32	9.10	21.01 S 178.42 W	DEPTH = 497.0 KM MB = 4.4		TELESEISMIC SOLUTION				
FIJI ISLANDS REGION										
07	ASD	EP	03 42 43.0	9.8	.4		8017	178		TELE
07	ASB	EP	03 42 43.0	9.5	.4		8016	178		
07	ASC	EP	03 42 43.9				8027	178		
07	AND	EP	03 42 44.7				8039	177		
07	ANA	EP	03 42 44.8				8047	177		
07	ADK	EP	03 42 45.6				8073	182		
.....										
07	ASD	IPN	04 22 2.3	1.4	.1					
		ES	04 22 24.5							
07	ASC	EPN	04 22 3.2							
		ES	04 22 26.6							
07	ASB	EPN	04 22 3.4							
		ES	04 22 25.5							
.....										
07	4 53	8.32	52.18 N 178.47 E	DEPTH = 125.0 KM		FIXED DEPTH SOLUTION				
RAT ISLANDS, ALEUTIAN ISLANDS										
07	ANA	IPG	04 53 27.3				63	348	.0	
07	AND	IPG	04 53 27.8				76	334	-.3	
		IS	04 53 43.0						.4	
07	ASC	IPG	04 53 29.6				93	329	.2	
07	ASE	IPG	04 53 30.5	5.6	.1		106	330	.1	
		ES	04 53 46.2						-.4	
07	ASD	IPG	04 53 30.6	3.8	.1		108	326	.0	
		IS	04 53 46.9						.0	
.....										

STATION	TIME	COORDINATES	DEPTH (KM)	MB	SOLUTION TYPE
07	5 28 54.10	51.84 N 168.18 W	33.0	4.1	TELESEISMIC SOLUTION
FOX ISLANDS, ALEUTIAN ISLANDS					
07	ADK EP	05 30 11.4	579	87	
07	ASD IPN	05 30 45.3 10.1 .1	865	82	
07	ASB EPN	05 30 46.0	872	82	
07	ASC EPN	05 30 47.2	876	82	
07	AND EPN	05 30 48.9	890	83	
07	ANA IPN	05 30 51.3	909	83	
.....					
07	6 46 8.41	51.54 N 179.60 E	75.9		FREE DEPTH SOLUTION
RAT ISLANDS, ALEUTIAN ISLANDS					
07	ASD EPG	06 46 19.9	25	46	-.0
07	ASB EPG	06 46 20.2	31	52	-.0
07	ASC EPG	06 46 20.2	31	75	-.0
.....					
07	7 56 38.10	50.98 N 178.37 E	69.1		FREE DEPTH SOLUTION
RAT ISLANDS, ALEUTIAN ISLANDS					
07	ASB IPG	07 56 52.8 4.8 .1	75	236	.0
07	ANA EPG	07 56 52.8	75	196	.0
07	AND EPG	07 56 52.9	77	213	-.1
07	ASC IPGD	07 56 53.1	77	226	.1
07	ASD IPG	07 56 53.4 2.2 .1	81	237	-.0
.....					
07	ASD IP	09 05 58.4 7.8 .1			
07	ASB EP	09 05 58.7			
07	ASC EP	09 05 59.2			
07	AND EP	09 06 1.3			
07	ANA EP	09 06 2.8			
.....					
07	10 56 3.99	52.16 N 178.49 E	102.4		FREE DEPTH SOLUTION
RAT ISLANDS, ALEUTIAN ISLANDS					
07	ANA EPG	10 56 20.4	61	349	-.0
07	AND EPG	10 56 21.3	74	335	-.1
07	ASC EPG	10 56 23.1	90	329	.3
07	ASD EPG	10 56 23.9 1.7 .1	105	326	-.2
07	ASE IPG	10 56 24.0	103	330	.0
.....					
07	12 6 38.69	50.60 N 177.39 E	50.0		FIXED DEPTH SOLUTION
RAT ISLANDS, ALEUTIAN ISLANDS					
07	ANA EPN	12 07 .8	144	219	-.0
07	AND IPN	12 07 1.8	153	226	-.0
07	ASB EPN	12 07 2.2	155	238	.1
07	ASC EPN	12 07 2.4	157	233	.1
07	ASD EPN	12 07 2.8 1.4 .1 2.92	162	239	-.1
07	ES	12 07 20.6			-.0

SEP 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
07	12 57	24.34	51.07 N 177.98 E	DEPTH = 74.6 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
07	ANA	EPG	12 57 39.8				78	218	.1	
07	AND	EPG	12 57 40.5				87	232	-.2	
07	ASB	IPG	12 57 41.3	2.3	.1		94	250	-.1	
07	ASC	EPG	12 57 41.4				93	243	.1	
07	ASD	EPG	12 57 42.2	2.8	.2		101	251	.1	
		ES	12 57 55.1						.0	
.....										
07	14 32	28.18	51.17 N 179.37 E	DEPTH = 45.0 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
07	ASD	IPGC	14 32 36.1	89.7	.1	1.58	23	174	-.0	
		IS	14 32 41.9						-.0	
07	ASB	IPGC	14 32 36.1				23	157	-.0	
		IS	14 32 41.9						.0	
07	ASC	IPGC	14 32 37.3				35	155	.1	
07	AND	IPG	14 32 38.9				52	146	-.1	
07	ANA	EPG	14 32 41.2				71	135	.0	
.....										
07	ADK	IP	17 34 1.0							
		IS	17 34 16.3							
07	ASD	IPND	17 34 7.2	24.9	.1					
		IS	17 34 27.3							
07	ASB	IPN	17 34 8.2							
		IS	17 34 29.1							
07	ASC	EPN	17 34 9.3							
07	AND	EPN	17 34 10.8							
07	ANA	IPN	17 34 13.9							
.....										
07	18 37	41.22	51.43 N 179.66 E	DEPTH = 71.5 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
07	ASD	EPG	18 37 52.0	2.4	.1		23	74	-.1	
		IS	18 38 .1						.1	
07	ASB	EPG	18 37 52.5	1.9	.1		30	74	.1	
		IS	18 38 .5						-.1	
07	ASC	IPG	18 37 52.7				34	95	.0	
07	ANA	EPG	18 37 55.8				72	107	-.0	
.....										
07	19 18	43.87	51.52 N 178.84 E	DEPTH = 73.6 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
07	ASC	EPG	19 18 55.0				23	286	.0	
07	ASB	EPG	19 18 55.5	1.6	.1		33	302	.0	
07	ASD	IPG	19 18 55.8	1.4	.1		38	295	.0	
		ES	19 19 4.5						.0	
.....										
07	ASD	EPN	20 33 11.7							
07	ASB	EPN	20 33 12.2							
		ES	20 33 30.1							
.....										
07	ASD	EPG	22 30 45.3	2.4	.1					EMERGENT.
		ES	22 30 57.5							
07	ASB	EPG	22 30 45.9							
07	ASC	EPG	22 30 48.2							
07	AND	EPG	22 30 50.7							
07	ANA	EPG	22 30 54.1							
.....										
07	ASD	EP	22 33 57.1							

SEP 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
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07	ASB	EP	22 33 57.9							
07	ASC	EP	22 33 58.6							
07	ANA	EP	22 34 2.5							

07	ASD	EPG	23 04 12.4	1.4	.1					
		ES	23 04 24.2							
07	ASE	EPG	23 04 13.4							
		ES	23 04 26.3							

08 0 55 19.46 51.42 N 179.44 W DEPTH = 73.7 KM FREE DEPTH SOLUTION
DELAROF ISLANDS, ALEUTIAN ISLANDS

08	ASD	EPG	00 55 35.5	2.0	.1		85	86	.0	ANA POOR.
		ES	00 55 47.2						.0	
08	ASB	IPG	00 55 36.2	2.8	.1		92	85	.0	
08	ANA	EPG	00 55 40.9				134	99	.0	

08 3 28 52.22 51.19 N 179.48 W DEPTH = 25.0 KM FIXED DEPTH SOLUTION
DELAROF ISLANDS, ALEUTIAN ISLANDS

08	ASD	EPG	03 29 6.2	2.2	.1	2.08	84	104	-.2	
		ES	03 29 16.7						-.0	
08	ASE	EPG	03 29 7.4	2.4	.1	2.22	90	101	.1	
08	ASC	EPG	03 29 8.6				99	107	.1	

08	ASD	EPN	04 18 17.9	5.5	.1					
08	ASC	EPN	04 18 17.9							
08	ANA	IPND	04 18 18.1							
08	ASB	IPN	04 18 18.4	3.8	.1					
		ES	04 18 45.8							

08	ASE	EPN	04 30 5.9	2.4	.1					
		ES	04 30 22.1							
08	ASD	IPNC	04 30 6.6	3.5	.1					
08	ASC	EPN	04 30 7.2							

08 5 9 14.59 51.14 N 179.18 W DEPTH = 25.0 KM FIXED DEPTH SOLUTION
DELAROF ISLANDS, ALEUTIAN ISLANDS

08	ASD	IPGD	05 09 32.1	3.8	.1	2.68	107	104	-.0	
		IS	05 09 44.8						-.1	
08	ASB	IPGD	05 09 33.0	6.5	.1	3.00	113	102	-.0	
		IS	05 09 46.5						.1	
08	ASC	EPG	05 09 34.3				121	107	.0	

08	ASB	IPN	09 09 17.0	6.5	.1					
		ES	09 09 34.1							
08	ASD	IPN	09 09 17.5	7.8	.1					
		IS	09 09 35.0							
08	ANA	EPN	09 09 19.6							

08	ANA	EP	09 44 55.6							SMALL AMP. VERY
08	ASC	EP	09 44 56.1							EMERGENT.
08	ASD	EP	09 44 56.5							
		ES	09 45 16.1							

08	ADK	IP	10 50 27.4							
		IS	10 50 37.5							
08	ASD	IPNC	10 50 44.1	16.2	.1					
		ES	10 51 12.9							
08	ASE	IPND	10 50 45.2	20.2	.1					
08	ASC	IPN	10 50 46.1							
08	AND	EPN	10 50 47.6							

SEP 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
08	ANA	IPN	10 50 50.5							
08	ANA	EPN	11 38 7.8							
08	AND	EPN	11 38 11.0							
08	ASC	EPN	11 38 13.3							
08	ASB	EPN	11 38 13.9							
		IPG	11 38 15.6							
08	ASD	EPN	11 38 14.6							
		IPG	11 38 16.4	42.4	.2					
		I(S)	11 38 50.7							
08	ADK	EP	14 24 29.7							
		ES	14 24 37.9							
08	ANA	EPN	14 47 41.9							
08	AND	EPN	14 47 44.1							
08	ASB	IPND	14 47 45.3	2.1	.1					
		IS	14 48 11.3							
08	ASC	EPN	14 47 45.4							
08	ASD	EPN	14 47 46.0	1.0	.1					
		IS	14 48 13.0							
.....										
08	16 11 40.20		51.39 N 179.58 E	DEPTH = 68.3 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
08	ASD	IPGD	16 11 50.4	3.1	.1		16	86	-.0	
		IS	16 11 58.0						.1	
08	ASB	EPG	16 11 50.7	4.2	.1		23	83	-.0	
		IS	16 11 58.3						-.1	
08	ASC	EPG	16 11 51.2				30	106	.1	
08	AND	IPGD	16 11 52.1				47	114	-.2	
08	ANA	EPG	16 11 54.3				69	112	.1	
.....										
08	ANA	IPN	17 22 23.5							
08	AND	EPN	17 22 25.9							
08	ASC	EPN	17 22 28.3							
08	ASB	EPN	17 22 29.0							
08	ASD	EPN	17 22 30.0	1.7	.1					
		E(S)	17 22 54.1							
08	ASB	EPN	17 47 21.6							
		ES	17 47 37.9							
08	ASD	IPND	17 47 22.2	2.7	.1					
08	AND	EPN	17 47 23.7							
.....										
08	19 0 40.03		51.19 N 178.60 E	DEPTH = 25.0 KM			FIXED DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
08	AND	EPG	19 00 48.8				48	211	-.1	
08	ASB	EPG	19 00 48.9	1.5	.1	1.02	49	247	-.1	
		ES	19 00 55.5						-.0	
08	ANA	EPG	19 00 49.0				49	185	.0	
08	ASC	EPG	19 00 49.3				49	233	.2	
.....										
08	19 49 28.21		52.04 N 178.50 E	DEPTH = 129.7 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
08	ANA	IPG	19 49 46.9				48	347	.0	SMALL.
		ES	19 50 .5						-.0	
08	AND	EPG	19 49 47.6				62	330	-.0	
		ES	19 50 1.8						.0	
08	ASD	EPG	19 49 49.8				94	322	-.0	

SEP 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
08	ASD	EPG	20 04 40.3	2.2	.1					
08	ASE	EPG	20 04 41.5							
08	ASC	EPG	20 04 42.5							
08	AND	EPG	20 04 45.4							
08	ANA	EPG	20 04 48.6							
08	ANA	EPN	21 01 13.6							
08	AND	EPN	21 01 15.5							
08	ASB	EPN	21 01 17.1	1.8	.1					
		ES	21 01 41.9							
08	ASD	EPN	21 01 18.1							
08	ASD	IPGD	21 47 47.3	104.7	.2					
		IS	21 48 .7							
08	ASB	EPG	21 47 48.2							
		IS	21 48 2.1							
08	ASC	EPG	21 47 49.5							
08	AND	EPG	21 47 51.5							
08	ANA	EPG	21 47 54.3							
08	ADK	EP	21 47 57.4							
		ES	21 48 17.4							
09	ANA	EPN	01 17 56.5							
09	AND	EPN	01 17 57.3							
09	ASB	EPN	01 17 57.7	4.8	.2					
		ES	01 18 19.7							
09	ASD	EPN	01 17 58.5	1.4	.1					
		ES	01 18 21.0							
09	ASC	EPN	01 17 58.6							
09	ASD	EP	03 23 2.8	2.0	.1					NO GOOD S VIS.
09	ASB	EP	03 23 3.7	2.1	.1					
09	ASC	IP	03 23 4.5							
09	ANA	EP	03 23 8.3							

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09	4 32 57.13	50.84 N 177.44 E	DEPTH = 25.0 KM	FIXED DEPTH SOLUTION		
RAT ISLANDS, ALEUTIAN ISLANDS						
09	ANA	IPN	04 33 17.2	122	225	.3
09	AND	IPN	04 33 18.0	132	233	-.5
09	ASC	IPN	04 33 19.4	139	241	-.0
09	ASB	IPN	04 33 20.1	139	246	.6
		ES	04 33 36.6			.9
09	ASD	IPN	04 33 20.1	145	247	-.4
		ES	04 33 36.6			-.9

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09	4 57 52.97	50.99 N 178.56 E	DEPTH = 61.4 KM	FREE DEPTH SOLUTION		
RAT ISLANDS, ALEUTIAN ISLANDS						
09	ASB	IPGD	04 58 5.8	63	229	-.1
09	AND	IPGC	04 58 6.5	70	203	-.1
		ES	04 58 16.3			-.2
09	ASD	IPGD	04 58 6.6	70	232	.0
		ES	04 58 16.8			.3
09	ANA	IPGD	04 58 7.0	72	186	.2

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09	5 23 41.78	52.21 N 179.99 W	DEPTH = 150.0 KM	FIXED DEPTH SOLUTION		
DELAROF ISLANDS, ALEUTIAN ISLANDS						
09	AND	EP	05 24 5.9	102	45	-.1
09	ASD	EP	05 24 6.0	104	26	-.1
		ES	05 24 23.8			-.1
09	ASC	EP	05 24 6.2	102	34	.3
09	ASE	EP	05 24 6.4	108	29	-.0

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SEP 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI DEG)	RES (SEC)	REMARKS
09	ANA	ES	05 24 24.5						.0	
09	ANA	IP C	05 24 6.8				113	54	-.0	
.....										
09	7	4	27.54	51.32 N	179.75 E	DEPTH = 25.0 KM	FIXED DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
09	ASD	EPG	07 04 33.8				29	103	-.1	VERY SMALL
09	ASE	IPG	07 04 34.8				36	98	.1	
09	ASC	EPG	07 04 35.9				44	112	.0	
.....										
09	10	4	4.09	50.73 N	177.60 E	DEPTH = 25.0 KM	FIXED DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
09	ANA	EPN	10 04 24.4				125	217	.1	
09	AND	IPN	10 04 25.5				133	226	.0	
09	ASB	IPN	10 04 25.8	2.3	.1	2.84	135	239	-.1	
09	ASC	EPN	10 04 26.1				137	234	.0	
09	ASD	EPN	10 04 26.8				142	240	-.1	
.....										
09	10	10	58.99	51.43 N	178.83 E	DEPTH = 49.5 KM	FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
09	AND	EPG	10 11 6.9				17	211	-.2	SMALL AMP.
09	ANA	EPG	10 11 7.5				25	152	-.0	
09	ASC	EPG	10 11 7.6				24	262	.2	
09	ASB	EPG	10 11 7.9				30	285	-.0	
09	ASD	EPG	10 11 8.5				36	280	.1	
09	ES		10 11 14.9						-.4	
.....										
09	ADK	IP C	10 57 27.4							
09	ASD	EPN	10 57 34.7	3.6	.1					S UNCERTAIN.
09	ASB	EPN	10 57 35.7	5.5	.1					
09	ASC	EPN	10 57 37.0							
09	AND	EPN	10 57 38.3							
09	ANA	EPN	10 57 41.2							
.....										
09	11	35	50.66	50.91 N	177.39 E	DEPTH = 75.0 KM	FIXED DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
09	ANA	EPG	11 36 10.7				119	228	.2	
09	AND	EPG	11 36 11.5				131	237	-.3	
09	ASD	EPG	11 36 13.7				146	250	.1	
.....										
09	ASB	IPN	11 59 28.7	4.3	.1					
09	ASD	IPN	11 59 29.4	5.7	.1					
09	ASC	EPN	11 59 29.4							
09	AND	EPN	11 59 30.7							
09	ANA	EPN	11 59 31.3							
09	ASE	EPN	13 39 33.7	3.7	.1					
09	ANA	EPN	13 39 33.9							
09	AND	IPN	13 39 34.2							

SEP 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
		ES	13 39 52.6							
09	ASC	EPN	13 39 34.5							
09	ASD	EPNC	13 39 34.6	1.5	.1					
.....										
09	14 4 37.13	51.02 N 178.97 E DEPTH = 23.4 KM					FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
09	ASE	EPG	14 04 45.1				42	208	.0	
09	ASD	IPGC	14 04 45.8	3.5	.1	1.34	47	214	.0	
		ES	14 04 52.1						-.0	
09	ASC	EPG	14 04 46.3				51	196	-.0	
		ES	14 04 53.0						.0	
.....										
09	ASD	IPN	17 29 22.1	2.1	.1					POOR S.
		ES	17 29 42.0							
09	ASB	EPN	17 29 23.3	2.3	.1					
09	ASC	EPN	17 29 24.4							
09	AND	EPN	17 29 27.0							
09	ANA	EPN	17 29 28.7							
.....										
09	19 41 27.10	52.01 N 179.71 E DEPTH = 103.8 KM					FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
09	AND	EPG	19 41 44.4				73	46	-.1	
09	ASD	EPG	19 41 44.6	1.8	.1		75	20	-.2	
09	ASC	IPG	19 41 44.8				72	32	.3	
09	ASB	IPG	19 41 45.1	1.5	.1		80	24	.0	
09	ANA	IPG	19 41 45.5				84	59	.0	
		ES	19 41 58.9						-.0	
.....										
09	20 13 51.46	50.92 N 178.30 E DEPTH = 4.9 KM					FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
09	ASB	EPG	20 14 5.9				83	234	-.0	
09	ANA	IPGD	20 14 6.0				83	198	.1	
		IS	20 14 16.5						.0	
09	AND	IPGD	20 14 6.1				85	213	-.2	
09	ASC	IPG	20 14 6.6				86	225	.2	
09	ASD	EPG	20 14 6.8	1.7	.1	2.04	89	235	-.1	
.....										
09	21 1 25.09	50.88 N 178.25 E DEPTH = 25.0 KM					FIXED DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
09	ASB	EPG	21 01 39.8	2.3	.1	2.15	88	233	.0	
09	ANA	IPGD	21 01 39.8				88	199	.0	
09	AND	IPG	21 01 40.0				90	213	-.1	
		ES	21 01 51.1						.0	
09	ASC	IPG	21 01 40.4				91	225	.2	
09	ASD	EPG	21 01 40.6				94	235	-.1	
.....										
09	22 20 21.24	51.00 N 179.04 E DEPTH = 25.0 KM					FIXED DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
09	ASB	IPG	22 20 29.3				43	199	-.1	S POOR.
		E(S)	22 20 35.3						-.0	
09	ASD	EPG	22 20 30.0	3.4	.2	1.01	47	206	.0	
09	ASC	EPG	22 20 30.8				52	189	.1	
09	ANA	EPG	22 20 34.0				75	159	-.0	
.....										

SEP 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG (KM)	AZI (DEG)	RES (SEC)	REMARKS
09	22 53 34.08		51.43 N 178.80 E			46.9 KM			FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS						
09	AND	EPG	22 53 41.8			18	216	-.1	SMALL AMP
09	ANA	IPG	22 53 42.3			24	157	.0	
09	ASC	EPG	22 53 42.7			26	262	.3	
09	ASB	EPG	22 53 42.9			32	284	-.0	
09	ASD	EPG	22 53 43.4			38	279	-.1	
		IS	22 53 50.3					-.1	
10	1 9 4.79		51.65 N 179.52 E			69.2 KM			FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS						
10	ASD	IPGC	01 09 15.8	15.0	.1	32	22	-.1	
		IS	01 09 24.0					-.0	
10	ASC	EPG	01 09 16.1			32	50	.2	
10	ASB	EPG	01 09 16.2	7.4	.1	37	31	.0	
		ES	01 09 24.5					-.0	
10	AND	IPG	01 09 16.3			40	77	-.1	
10	ANA	IPGD	01 09 18.0			59	88	.0	
10	2 27 4.16		51.38 N 179.99 W			70.1 KM			FREE DEPTH SOLUTION
			DEAROF ISLANDS, ALEUTIAN ISLANDS						
10	ASD	IPGC	02 27 16.4			46	90	.1	OVERLOADED ALL
10	ASB	IPGC	02 27 17.0			53	88	.1	LEVELS.
		IS	02 27 25.8					-.3	
10	ASC	IPGC	02 27 17.6			59	99	.2	
10	AND	IPGC	02 27 18.8			76	105	-.2	
10	ANA	IPGC	02 27 21.4			97	106	.1	
10	ADK	EP	02 27 38.3			242	258	-.3	
		ES	02 28 4.0					.3	
10	2 54 52.73		51.47 N 179.87 W			61.8 KM			FREE DEPTH SOLUTION
			DEAROF ISLANDS, ALEUTIAN ISLANDS						
10	ASD	IPG	02 55 5.1	12.6	.1	56	79	.1	
		IS	02 55 13.9					-.1	
10	ASB	EPG	02 55 5.6	5.9	.1	63	78	-.1	
10	ASC	IPGD	02 55 6.2			67	89	.1	
		ES	02 55 15.9					.0	
10	AND	IPG	02 55 7.6			82	97	-.2	
10	ANA	IPG	02 55 10.2			103	99	.1	
		IS	02 55 22.9					.0	
10	ANA	EPN	03 30 58.9						
10	AND	EPN	03 31 .5						
10	ASB	EPN	03 31 1.9	4.5	.2				
		ES	03 31 21.1						
10	ASD	EPN	03 31 2.8						
		ES	03 31 22.2						
10	4 47 6.38		51.34 N 178.55 E			73.2 KM			FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS						
10	ANA	EPG	04 47 17.9			33	193	-.1	
		IS	04 47 26.5					.1	
10	AND	EPG	04 47 18.3			38	228	.1	
		IS	04 47 26.8					-.1	
10	ASB	EPG	04 47 19.0	1.8	.1	48	267	-.0	

SEP	STA	PHASE	TIME	AMP	PER	MAG	DIST	AZI	RES	REMARKS
1970			(GMT)	(MU)	(SEC)		(KM)	(DEG)	(SEC)	

10	ANA	EP	04 54 11.9							SMALL. NO S.
10	AND	IP D	04 54 12.1							
10	ASD	EP	04 54 12.3							

10	6	1	29.46	52.29 N	179.76 E	DEPTH = 175.0 KM				FIXED DEPTH SOLUTION
				RAT ISLANDS, ALEUTIAN ISLANDS						
10	AND	EP D	06 01 55.8				98	34	-.1	
		ES	06 02 15.5						-.2	
10	ASD	IP D	06 01 56.3	17.5	.1		105	16	-.1	
10	ANA	IP C	06 01 56.3				105	46	-.1	
10	ASC	IP	06 01 56.4				101	24	.3	
10	ASB	IP C	06 01 56.7	21.0	.1		109	19	.0	
		ES	06 02 16.3						-.2	

10	6	54	12.94	51.97 N	179.27 W	DEPTH = 0.0 KM				FIXED DEPTH SOLUTION
				DELAROF ISLANDS, ALEUTIAN ISLANDS						
10	ASD	EPG	06 54 32.7				117	55	-.3	VERY SMALL.
10	ASB	EPG	06 54 34.3				123	56	.3	
		IS	06 54 49.3						-.0	
10	ANA	EPG	06 54 37.7				148	74	-.0	

10	8	42	35.14	51.74 N	178.05 E	DEPTH = 78.7 KM				FREE DEPTH SOLUTION
				RAT ISLANDS, ALEUTIAN ISLANDS						
10	ANA	EPG	08 42 48.0				44	287	.0	
10	AND	EPG	08 42 49.6				65	288	-.1	
		IS	08 43 .2						-.1	
10	ASC	EPG	08 42 51.7				83	292	.4	
10	ASD	EPG	08 42 52.6				98	295	-.3	
		IS	08 43 5.9						.1	

10	ASD	EPN	12 07 36.8							
10	ASB	IPND	12 07 36.9	12.5	.2					
		ES	12 07 55.2							
		E(T)	12 07 59.9							
10	ASC	IPNC	12 07 38.7							
10	AND	EPN	12 07 40.4							
10	ANA	EPN	12 07 42.7							

10	ANA	EPN	13 16 5.4							
10	AND	EPN	13 16 7.7							
10	ASC	EPN	13 16 10.1							
10	ASB	EPN	13 16 10.2	70.3	.2					
		ES	13 16 42.4							
10	ASD	EPN	13 16 11.0	172.2	.3					
		ES	13 16 43.3							

PG AMP.

10	ANA	EPN	13 23 59.5							
10	AND	EPN	13 24 1.3							
10	ASC	EPN	13 24 2.9							
10	ASB	EPN	13 24 3.1	1.9	.1					
		ES	13 24 34.6							
10	ASD	EPN	13 24 4.6	1.3	.1					

10	ADK	IP D	16 28 31.7							
		IS	16 28 41.7							
10	ASD	EPN	16 29 6.5							
		IPG	16 29 10.3	13.7	.2					
		I(S)	16 29 53.9							
10	ASB	EPN	16 29 7.6							
		IPG	16 29 10.1	21.0	.2					

SEP 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
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10	ASC	EPN	16 29 8.5							
		IS	16 29 58.2							
10	AND	EPN	16 29 10.5							
10	ANA	EPN	16 29 12.7							
		IPG	16 29 14.3							
10	ASD	EP	16 35 5.4							
10	ASB	IP C	16 35 6.3							
10	ASC	IP	16 35 6.8							
10	ANA	EP	16 35 9.5							

.....
 10 16 36 11.05 51.03 N 179.32 E DEPTH = 34.5 KM FREE DEPTH SOLUTION
 RAT ISLANDS, ALEUTIAN ISLANDS

10	ASB	IPGD	16 36 19.2	4.0	.1	1.00	37	172	-.0	
		IS	16 36 25.1						-.1	
10	ASC	IPGC	16 36 20.8				49	167	.1	
		IS	16 36 27.8						.0	
10	AND	EPG	16 36 22.6				64	156	-.2	
10	ANA	EPG	16 36 25.1				81	145	.1	

10	ANA	EPN	17 06 43.2							
		E(S)	17 07 4.1							
10	AND	EPN	17 06 46.1							
10	ASD	EPN	17 06 50.6	3.8	.2					
		ES	17 07 15.7							

.....
 10 19 40 18.60 51.35 N 179.21 E DEPTH = 58.7 KM FREE DEPTH SOLUTION
 RAT ISLANDS, ALEUTIAN ISLANDS

10	ASB	EPG	19 40 27.4	1.8	.1		3	237	.0	
		ES	19 40 33.8						-.0	
10	ASD	EPG	19 40 27.5	1.1	.1		10	249	-.0	
		ES	19 40 34.0						.0	
10	ASC	EPG	19 40 27.6				13	166	-.0	
10	ANA	EPG	19 40 30.0				49	129	.0	

10	ANA	EP	21 40 35.6							VERY SMALL P.
		ES	21 41 4.7							
10	ASB	EP	21 40 39.0							
		ES	21 41 9.1							
10	ASD	EP	21 40 39.7							

10	ASD	EP	22 13 32.9							VERY EMERGENT.
10	ASB	EP	22 13 33.0							UNABLE TO FIND
10	ANA	EP	22 13 40.5							S.

11	ASD	EP	00 57 39.7	4.3	.1					
11	ASB	EP	00 57 40.4	4.3	.1					
11	ASC	EP	00 57 42.0							
		I(S)	00 57 56.5							
11	ANA	EP	00 57 47.5							

11	ANA	EP	00 59 27.1							
		I(S)	01 00 3.9							

11	AND	EP	00 59 29.1							
11	ASC	EP	00 59 30.8							
11	ASB	EP	00 59 31.8	2.8	.2					QP
11	ASD	EP	00 59 32.4							QP

11	ANA	EP	02 51 39.5							
		I(S)	02 52 2.0							
11	AND	EP	02 51 40.5							
11	ASB	EP	02 51 41.3							
11	ASD	EP	02 51 41.9							QP

SEP 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
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11	3	5	45.31	51.96 N	179.23 W	DEPTH = 25.0 KM	FIXED DEPTH SOLUTION			
DELAROF ISLANDS, ALEUTIAN ISLANDS										
11	ASD	IP	03 06 4.4				118	56	-.2	
		ES	03 06 18.8						.2	
11	ASB	EP	03 06 5.4				125	57	-.1	
		IS	03 06 20.0						-.2	
11	ASC	EP	03 06 6.0				124	63	.6	
11	AND	IP	03 06 6.4				133	70	-.4	
11	ANA	IP	03 06 9.4				150	75	.1	

11	3	19	42.58	50.97 N	178.99 E	DEPTH = 1.3 KM	FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
11	ASB	IPGD	03 19 51.4	27.3	.1	2.24	47	203	.2	
		IS	03 19 57.4						-.1	
11	ASD	IPGD	03 19 51.8	12.7	.1	2.05	52	209	-.2	
11	ASC	IPGD	03 19 53.0				57	193	.1	
		ES	03 20 .4						.0	
11	AND	IPG	03 19 54.5				66	178	-.1	
11	ANA	IPG	03 19 56.5				77	163	-.0	

11	ASD	IPG	03 36 46.9	2.7	.1					
		IS	03 36 54.3							

11	ASD	EP	04 37 40.5							QP, V. EMERGENT
		ES	04 38 5.1							

11	ASD	IP	06 57 17.2	1.0	.1					
		E(S)	06 57 36.8							

11	ASD	IP	07 09 18.0	1.5	.1					
		IS	07 09 30.9							

11	ADK	EP	07 12 2.0							
		ES	07 12 11.2							

11	ASD	IP	07 12 26.0							QS
		E(S)	07 13 1.2							

11	ASD	EP	07 43 39.4	1.8	.1					
		ES	07 43 57.9							

11	ASD	IP	09 00 56.9	3.8	.1					
		ES	09 01 8.0							

11	ASD	EP	09 12 51.5	1.5	.1					
		ES	09 13 8.4							

11	ASD	IP	10 13 44.0	1.3	.1					
		ES	10 13 50.2							

11	ASD	IP	12 06 40.0	21.8	.1					T PHASE
		ES	12 06 59.2							
		ET	12 08 7.2							

11	ASD	EP	17 52 44.9							S MAY BE NOISE-
		I(S)	17 52 50.0							

11	ADK	EP	19 05 12.9							
		ES	19 05 34.7							

11	ASD	IP	19 05 21.5							
		ES	19 05 50.5							

11	ASD	EP	19 10 29.4							
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SEP 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
		ES	19 10 41.3							
11	ANA	EP	21 37 10.7							
		E(S)	21 37 26.7							
11	ASD	EP	21 37 16.4							
		ES	21 37 37.8							
11	ASD	IP	21 58 44.1	4.9	.1					
		ES	21 58 54.5							
.....										
11	21 59 29.18	51.71 N 178.73 E DEPTH = 90.7 KM RAT ISLANDS, ALEUTIAN ISLANDS							FREE DEPTH SOLUTION	
11	ANA	IPGC	21 59 42.0				11	25	-.0	
		IS	21 59 51.4						-.0	
11	AND	IPGC	21 59 42.2				23	317	-.1	
11	ASC	IPGC	21 59 43.3				41	313	-.2	
11	ASB	EPG	21 59 43.9	1.5	.1		53	318	-.0	
		ES	21 59 54.6						-.0	
11	ASD	IPGD	21 59 44.1	3.6	.1		57	312	-.0	
.....										
11	ASD	EP	22 46 15.0							
		E(S)	22 46 30.8							
11	ASB	EP	22 46 15.1							
		E(S)	22 46 31.2							
.....										
12	1 40 23.01	51.24 N 178.48 E DEPTH = 40.2 KM RAT ISLANDS, ALEUTIAN ISLANDS							FREE DEPTH SOLUTION	
12	ANA	IPGC	01 40 32.6				44	197	.0	
12	AND	IPGC	01 40 33.0				49	223	-.1	
		IS	01 40 40.4						-.0	
12	ASB	IPGC	01 40 33.9				55	257	-.0	
12	ASC	IPGC	01 40 33.9				54	243	.2	
12	ASD	IPGC	01 40 34.7	6.7	.1	2.06	62	257	-.1	
.....										
12	ADK	IP	01 57 3.4							
		ES	01 57 10.4							
12	ASD	EP	01 57 35.1							QP
		ES	01 58 8.4							
.....										
12	5 19 31.66	51.17 N 179.06 E DEPTH = 33.9 KM RAT ISLANDS, ALEUTIAN ISLANDS							FREE DEPTH SOLUTION	
12	ASB	IPGC	05 19 38.5	11.6	.1	.86	25	211	-.0	
12	ASD	IPGC	05 19 39.0	6.4	.1	.91	31	220	-.1	
		IS	05 19 44.4						-.1	
12	ASC	IPG	05 19 39.6				34	193	.2	
12	AND	IPG	05 19 40.6				45	171	-.1	
12	ANA	EPG	05 19 42.5				58	152	-.0	
		IS	05 19 50.4						.0	
.....										
12	5 19 59.73	51.61 N 179.41 E DEPTH = 136.6 KM RAT ISLANDS, ALEUTIAN ISLANDS							FREE DEPTH SOLUTION	
12	ASD	EP	05 20 18.4	2.4	.1		26	11	-.1	
		IS	05 20 32.0						-.1	
12	AND	IP D	05 20 18.5				32	81	-.1	
12	ASE	IP C	05 20 18.6	5.5	.1		30	23	.0	
		IS	05 20 32.3						-.0	
12	ASC	EP	05 20 18.6				24	47	.2	
		ES	05 20 32.2						.2	

SEP 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
12	ANA	IP D	05 20 19.4				52	92	-0	
12	9 21 18.71		51.70 N 178.32 E							DEPTH = 91.9 KM RAT ISLANDS, ALEUTIAN ISLANDS FREE DEPTH SOLUTION
12	ANA	IPG	09 21 32.1				25	290	.0	
12	AND	IPGD	09 21 33.0				47	290	-.1	
12	ASC	IPGC	09 21 34.6				65	295	.2	
12	ASB	IPGC	09 21 35.2	63.4	.1		75	301	-.0	
12		IS	09 21 47.3						-.0	
12	ASD	IPGC	09 21 35.6				80	298	-.1	
12	10 0 5.34		51.33 N 179.36 E							DEPTH = 37.2 KM RAT ISLANDS, ALEUTIAN ISLANDS FREE DEPTH SOLUTION
12	ASD	IPGD	10 00 11.3	32.9	.1		5	163	-.1	LOCAL
12		IS	10 00 15.7						-.1	
12	ASB	IPGD	10 00 11.5	19.0	.1		9	111	.0	
12		IS	10 00 16.0						.0	
12	ASC	IPGD	10 00 12.4				20	136	.3	
12	AND	EPG	10 00 13.8				38	132	-.1	QP
12	ANA	EPG	10 00 16.4				59	124	-.0	
12	10 2 21.54		51.05 N 178.32 E							DEPTH = 25.0 KM RAT ISLANDS, ALEUTIAN ISLANDS FIXED DEPTH SOLUTION
12	ANA	EP	10 02 33.2				68	200	-.2	
12	ASD	EP	10 02 34.1				80	243	-.9	
12	ASB	EP	10 02 34.6	2.1	.1	1.82	73	242	.5	
12		IS	10 02 43.1						-.1	
12	ASC	EP	10 02 34.8				75	232	.5	
12	ASB	EP	11 35 50.2	1.8	.1					
12		ES	11 36 6.8							
12	ASD	EP	11 35 50.7	4.1	.1					
12	ASC	EP	11 35 51.2							
12	AND	EP	11 35 51.6							
12	ANA	IP C	11 35 52.2							
12		IS	11 36 9.9							
12	ADK	EP	11 50 2.1							
12	ADK	E	11 58 41.1							
12	14 30 51.90		34.26 N 117.55 W							DEPTH = 9.0 KM MB = 5.4 SOUTHERN CALIFORNIA TELESEISMIC SOLUTION
12	ADK	EP	14 39 11.2				5033	89		
12	16 12 20.30		53.14 N 172.08 E							DEPTH = 29.0 KM MB = 4.5 NEAR ISLANDS, ALEUTIAN ISLANDS TELESEISMIC SOLUTION
12	ANA	EP	16 13 25.4				479	293		
12	AND	EP	16 13 27.7				501	293		
12	ASC	EP	16 13 30.9				519	294		
12	ASB	EP	16 13 32.2	27.1	.3		528	295		
12		I(S)	16 14 18.5							
12		EL	16 14 26.4							
12	ASD	EP	16 13 32.3	40.5	.3		534	294		

SEP 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
12	ADK	EP	16 13 59.4				782	285		
12	ASD	IP C	16 31 33.4	2.5	.1					
12	ASB	EP	16 31 34.5	4.6	.1					
		ES	16 31 53.2							
12	ASC	IP C	16 31 35.5							
12	16 46 26.15		51.04 N 178.44 W							DEPTH = 50.0 KM FIXED DEPTH SOLUTION DELAROF ISLANDS, ALEUTIAN ISLANDS
12	ASD	IP D	16 46 50.0	11.3	.1	3.80	159	103	-.1	
		IS	16 47 7.5						-.1	
12	ASB	EP	16 46 50.9	19.4	.1	4.10	165	102	.0	
		ES	16 47 9.0						.1	
12	ASC	IP	16 46 51.9				174	105	.0	
		ES	16 47 10.6						-.0	
12	AND	EP	16 46 54.0				191	107	.0	
12	19 18 40.15		51.53 N 179.90 E							DEPTH = 149.4 KM FREE DEPTH SOLUTION RAT ISLANDS, ALEUTIAN ISLANDS
12	ASD	EP	19 19 .8	2.1	.1		43	66	-.1	
		IS	19 19 15.9						-.2	
12	ASB	EP	19 19 1.3	3.1	.1		49	67	.1	
12	ASC	EP	19 19 1.4				52	81	.1	
		IS	19 19 16.9						.2	
12	ANA	EP	19 19 3.1				87	96	-.1	QP
13	ASC	IPGC	00 11 59.1							
13	ASB	IPGD	00 11 59.2	20.3	.1					VERY LOCAL
		E	00 12 .6							
13	ASD	IPGC	00 12 .1	6.3	.1					
13	3 18 44.68		51.97 N 179.31 W							DEPTH = 25.0 KM FIXED DEPTH SOLUTION DELAROF ISLANDS, ALEUTIAN ISLANDS
13	ASD	IP C	03 19 3.1	3.9	.1	2.81	114	54	-.2	
13	ASB	EP	03 19 4.1	7.4	.1	3.17	121	55	-.2	
		IS	03 19 18.8						.2	
13	ASC	EP	03 19 4.6				119	61	.5	
13	AND	EP	03 19 5.1				128	68	-.3	
		IS	03 19 20.2						-.3	
13	ANA	EP	03 19 8.1				145	74	.2	
13	ADK	EP	03 20 20.0							
		ES	03 20 40.8							
13	ASD	EP	06 44 57.3	1.4	.1					VERY POOR
		E(S)	06 45 14.1							
13	ASB	EP	06 44 58.2							QP
13	ASC	EP	06 44 59.1							QP
13	9 33 37.73		51.39 N 178.14 E							DEPTH = 50.6 KM FREE DEPTH SOLUTION RAT ISLANDS, ALEUTIAN ISLANDS
13	ANA	IPGC	09 33 48.1				45	234	.0	
		ES	09 33 55.6						.0	
13	AND	IPGC	09 33 49.5				60	252	-.1	
13	ASC	IPG	09 33 51.2				72	264	.2	
13	ASB	EPG	09 33 51.6				77	273	-.1	
13	ASD	EPG	09 33 52.4				84	272	-.0	

13	12 20 59.48	51.26 N 178.90 E DEPT = 37.0 KM	FREE DEPTH SOLUTION
RAT ISLANDS, ALEUTIAN ISLANDS			
13	ASB IPG	12 21 6.7	3.4 .1 .40 27 246 -.1
	IS	12 21 12.2	.0
13	ASC IPG	12 21 7.3	29 220 .3
13	AND EPG	12 21 7.3	34 186 -.2
13	ASD IPG	12 21 7.5	3.5 .1 .78 33 247 .0
	IS	12 21 13.3	-.0
13	ANA EPG	12 21 8.8	44 158 .1
.....			
13	15 58 9.74	51.27 N 178.74 E DEPT = 31.2 KM	FREE DEPTH SOLUTION
RAT ISLANDS, ALEUTIAN ISLANDS			
13	AND IPGC	15 58 17.5	36 205 -.0
	IS	15 58 23.2	.0
13	ASB IPGC	15 58 17.6	8.2 .1 1.32 37 254 -.0
	IS	15 58 23.4	.1
13	ASC IPGC	15 58 17.8	37 234 .2
13	ANA IPGC	15 58 18.0	41 173 -.0
13	ASD IPGC	15 58 18.4	2.9 .1 1.14 44 254 -.1
	IS	15 58 24.7	-.1
.....			
13	ADK IP C	16 41 39.7	
	IS	16 41 47.9	
13	ASD EPN	16 42 6.2	
	IPG	16 42 14.2	113.8 .3
13	ASB EP	16 42 7.0	102.1 .2
	I(S)	16 42 41.1	
13	ASC EP	16 42 8.0	
13	AND EP	16 42 9.7	
13	ANA EP	16 42 13.1	
.....			
13	17 33 54.73	52.22 N 179.69 E DEPT = 165.1 KM	FREE DEPTH SOLUTION
RAT ISLANDS, ALEUTIAN ISLANDS			
13	AND IP C	17 34 19.6	89 34 .0
	IP	17 34 19.9	
13	ASC IP	17 34 19.9	92 23 .1
	IS	17 34 38.2	.1
13	ASD IP C	17 34 20.0	97 14 -.1
	IP	17 34 20.3	17.5 .1
	IS	17 34 38.4	-.2
13	ANA IP C	17 34 20.0	97 46 -.1
13	ASB IP	17 34 20.4	10.2 .1 101 18 .1
	IS	17 34 39.1	.1
.....			
13	17 49 5.73	51.49 N 178.97 E DEPT = 76.2 KM	FREE DEPTH SOLUTION
RAT ISLANDS, ALEUTIAN ISLANDS			
13	AND EPG	17 49 16.7	8 169 -.0
	IS	17 49 24.9	.1
13	ASC EPG	17 49 17.0	14 284 .2
13	ASB IPGC	17 49 17.2	24 308 .0
	IS	17 49 25.7	.2
13	ASD IPGC	17 49 17.3	2.5 .1 29 297 -.1
	IS	17 49 25.7	-.2
13	ANA EPG	17 49 17.3	26 124 .0
	IS	17 49 25.6	-.1

SEP 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
13	18 15	50.13	51.72 N 178.54 E	DEPTH = 83.1 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
13	ANA	IPGC	18 16 2.1				13	322	.0	
		IS	18 16 10.7						-.1	
13	AND	IPG	18 16 2.9				34	302	.1	
		IS	18 16 12.1						.0	
13	ASC	EPG	18 16 4.0				52	304	.0	
13	ASB	EPG	18 16 4.9	2.9	.1		63	310	.0	
		IS	18 16 15.7						.1	
13	ASD	EPG	18 16 5.1	2.5	.1		67	305	-.1	
13	20 4	21.84	51.36 N 178.73 E	DEPTH = 38.1 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
13	AND	IPGC	20 04 29.3				28	214	-.1	
13	ANA	IPGC	20 04 29.7				31	170	.0	
13	ASC	EPG	20 04 30.0				32	249	.2	
13	ASE	IPGD	20 04 30.2	18.4	.1	1.61	36	269	-.0	
		IS	20 04 36.3						-.0	
13	ASD	IPGD	20 04 30.9	31.5	.1	2.11	42	267	-.1	
13	21 10	23.00	40.22 N 125.14 W	DEPTH = 33.0 KM MB = 5.4			TELESEISMIC SOLUTION			
			OFF COAST OF NORTHERN CALIFORNIA							
13	ADK	EP	21 17 29.0				4093	88		
13	22 35	4.16	51.53 N 178.93 E	DEPTH = 39.0 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
13	AND	IPG	22 35 10.0				4	203	-.5	
13	ANA	IPGC	22 35 11.5				22	121	.2	
13	ASC	IPG	22 35 11.6				18	293	.6	
13	ASB	IPGD	22 35 11.7	4.6	.1	.66	29	310	-.2	
		IS	22 35 17.6						-.0	
13	ASD	IPGD	22 35 12.3	11.1	.1	1.27	33	300	-.1	
		ES	22 35 18.4						.1	
13	ADK	EP	23 24 49.4							
		ES	23 25 11.8							
13	ASD	EP	23 25 24.3	1.5	.1					POOR, EMERGENT
13	ASB	EP	23 25 24.8	.9	.1					
		E(S)	23 26 15.1							
13	ASC	EP	23 25 25.2							
13	AND	EP	23 25 27.0							
13	23 40	33.12	51.34 N 179.59 E	DEPTH = 17.4 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
13	ASD	EPG	23 40 37.4				18	103	.0	V. SMALL LOCAL
13	ASB	EPG	23 40 38.2				24	95	.0	
		IS	23 40 41.9						.0	
13	ASC	EPG	23 40 39.4				33	114	.0	QP
14	ADK	EP	00 28 24.2							
		ES	00 28 36.3							

SEP 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
14	0 53	5.10	57 S 121.83 E	DEPTH = 33.0 KM MB = 5.6		TELESEISMIC SOLUTION				
NORTHERN CELEBES										
14	ADK	EP	01 04 35.7			8152	247			
.....										
14	2 23	9.39	51.78 N 178.21 E	DEPTH = 59.4 KM		FREE DEPTH SOLUTION				
RAT ISLANDS, ALEUTIAN ISLANDS										
14	ANA	IP	02 23 19.7			35	298	.0		
		ES	02 23 27.2					.0		
14	AND	EP	02 23 21.5			57	295	-.1		
14	ASC	EP	02 23 23.6			75	298	.1		
14	ASD	EP	02 23 25.1			90	300	-.1	V, POOR, EMERGENT	
.....										
14	ASD	EP	04 46 25.1	2.0	.1			QP, POOR		
		ES	04 46 43.1							
14	ASC	EP	04 46 26.7					QP, POOR		
		ES	04 46 47.0							
14	ADK	IP D	05 17 26.4							
		IS	05 17 34.2							
14	ASD	EP	05 17 56.4							
		E(S)	05 18 32.5							
14	ASC	EP	05 17 58.4							
.....										
14	6 43	42.61	51.43 N 177.69 E	DEPTH = 150.0 KM		FIXED DEPTH SOLUTION				
RAT ISLANDS, ALEUTIAN ISLANDS										
14	ANA	IP C	06 44 4.9			71	252	.2		
		IS	06 44 21.2					.3		
14	AND	EP	06 44 5.5			89	261	-.3		
		IS	06 44 22.3					-.5		
14	ASC	EP	06 44 7.0			102	269	.2		
		ES	06 44 24.8					.3		
14	ASD	EP	06 44 7.7	1.0	.1	115	274	-.1		
		ES	06 44 26.1					-.0		
.....										
14	ADK	EP	09 51 22.3							
14	ASD	EP	10 20 12.3	TELE, EMERGENT						
		E	10 20 47.6							
.....										
14	11 15	51.50	40.89 N 131.44 E	DEPTH = 533.0 KM MB = 4.6		TELESEISMIC SOLUTION				
SEA OF JAPAN										
14	ANA	EP	11 21 50.7			3760	270			
14	AND	EP	11 21 51.8			3780	271			
14	ASC	IP D	11 21 53.4			3795	271			
14	ASB	EP	11 21 53.7	13.2	.3	3801	271	QP		
14	ASD	IP D	11 21 54.1	29.0	.3	3807	271	TELE		
14	ADK	EP	11 22 13.5			4087	274			
.....										
14	11 44	18.72	50.66 N 179.09 E	DEPTH = 0.0 KM		FIXED DEPTH SOLUTION				
RAT ISLANDS, ALEUTIAN ISLANDS										
14	ASD	EP	11 44 33.1	1.8	.1	1.93	82	193	-.4	
		ES	11 44 44.2						-.0	
14	ASC	EP	11 44 35.3			89	184	.6		
14	ANA	EP	11 44 37.8			111	164	-.2		
.....										

SEP 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
14	ASD	IPGD	12 07 19.8	25.8	.1					
		IS	12 07 26.8							
14	ASB	IPG	12 07 20.4	12.8	.1					
		IS	12 07 27.9							
14	ASC	IPGD	12 07 21.9							
		ES	12 07 30.2							
14	AND	IPGC	12 07 23.9							
14	ANA	IPGC	12 07 26.9							
14	ASD	IP	12 21 24.8	2.7	.1					
		ES	12 21 43.5							
14	ASB	EP	12 21 25.2							
14	ASC	IP	12 21 25.2							
14	ANA	IP	12 21 25.9							
14	AND	EPG	12 22 9.3							
		ES	12 22 14.4							
14	ASC	EPG	12 22 10.3							
14	ASD	EPG	12 22 10.5							
		ES	12 22 16.5							
14	ASD	EP	12 23 43.7							
14	ASC	EP	12 23 43.8							
		E(S)	12 24 28.4							

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 14 12 57 31.55 51.46 N 179.21 W DEPTH = 50.0 KM FIXED DEPTH SOLUTION
 DELAROF ISLANDS, ALEUTIAN ISLANDS

14	ASD	EP	12 57 48.3	1.4	.1	2.16	101	84	-.0	
		ES	12 58 .5						-.1	
14	ASB	EP	12 57 49.2				108	84	.0	
		ES	12 58 2.1						.1	
14	ASC	EP	12 57 49.8				113	90	.0	

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14	ASD	EP	15 59 44.0	1.8	.1					
		ES	16 00 44.0							
14	ASC	EP	15 59 45.6							

.....
 14 16 11 15.60 36.42 N 70.07 E DEPTH = 219.0 KM MB = 5.1 TELESEISMIC SOLUTION
 HINDU KUSH REGION

14	ANA	EP	16 22 19.6				8054	307		
14	AND	EP	16 22 20.5				8074	307		
14	ASC	EP	16 22 21.7				8093	307		
14	ASD	EP	16 22 22.1	4.2	.3		8108	307		TELE

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14	ASD	EP	17 01 35.9	1.5	.1					QS,FOCR
		ES	17 01 49.2							
14	ASC	EP	17 01 38.1							
14	AND	EP	17 01 41.1							

.....
 14 17 41 46.09 51.21 N 179.11 W DEPTH = 25.0 KM FIXED DEPTH SOLUTION
 DELAROF ISLANDS, ALEUTIAN ISLANDS

14	ASD	EP	17 42 3.8	2.5	.1	2.55	109	99	-.2	
		ES	17 42 17.1						.0	
14	ASB	EP	17 42 5.1				116	97	.1	QP
14	ASC	EP	17 42 6.2				123	102	.1	
14	AND	EP	17 42 8.6				140	105	-.0	
14	ANA	EP	17 42 11.8				162	106	.0	QP

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SEP 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
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14	20	7	44.28	52.18 N	179.61 W	DEPTH = 200.0 KM	FIXED DEPTH SOLUTION			
DELAROF ISLANDS, ALEUTIAN ISLANDS										

14	ASD	EP	20 08 14.3	3.6	.1		115	39	-.2	
		ES	20 08 36.5						-.0	
14	ASB	EP	20 08 14.8	9.3	.1		121	41	-.0	
		ES	20 08 37.2						.0	
14	AND	EP	20 08 14.8				120	55	-.0	
14	ASC	IP C	20 08 14.9				116	46	.3	
14	ANA	IP D	20 08 15.7				134	62	-.1	

14	ASD	IP D	22 41 5.7	24.1	.1					
		ES	22 41 19.3							
14	ASB	IP D	22 41 6.6							
		ES	22 41 20.6							
14	ASC	IP C	22 41 8.0							
14	AND	IP C	22 41 10.0							
14	ANA	EP	22 41 13.0							

15	1	6	36.62	51.39 N	179.24 W	DEPTH = 50.0 KM	FIXED DEPTH SOLUTION			
DELAROF ISLANDS, ALEUTIAN ISLANDS										

15	ASD	EP	01 06 53.1	1.1	.1	2.02	98	89	.0	
		IS	01 07 5.2						.1	
15	ASB	EP	01 06 53.9	2.0	.1	2.38	105	88	.0	
		IS	01 07 6.4						-.1	
15	ASC	EP	01 06 54.6				111	94	-.0	

15	ANA	IP D	02 24 27.0							
		IS	02 24 46.4							
15	ASC	EP	02 24 32.1							
15	ASD	EP	02 24 33.1							

15	4	3	57.76	52.28 N	178.70 E	DEPTH = 119.2 KM	FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										

15	ANA	IP D	04 04 16.7				73	2	-.1	
		IS	04 04 30.7						.1	
15	AND	EP	04 04 17.4				82	348	-.0	
		IS	04 04 31.7						-.1	
15	ASC	EP	04 04 18.8				97	341	.2	
15	ASD	IP C	04 04 19.6	4.2	.1		110	336	-.2	
15	ASB	EP	04 04 19.7	2.3	.1		109	340	.0	

15	ANA	IP C	04 30 47.8							
15	ASD	EP	04 30 50.8							

15	6	34	56.43	51.76 N	179.99 E	DEPTH = 25.0 KM	FIXED DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										

15	ASD	IPGC	06 35 7.2	11.3	.1	2.29	62	46	-.1	
		IS	06 35 15.3						.0	
15	ASC	IPGC	06 35 8.1				66	59	.2	
15	ASB	IPGC	06 35 8.3	20.7	.2	2.40	68	49	.1	
		IS	06 35 16.8						-.0	
15	AND	IPGC	06 35 9.1				75	72	-.1	
15	ANA	IPGC	06 35 11.9				93	80	.0	

SEP	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
1970										
15	7 5	3.91	52.30 N	179.97 E	DEPTH = 175.0 KM					FIXED DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
15	AND	EP	07 05 31.0				108	40	-.0	
15	ASD	EP	07 05 31.2	1.0	.1		112	22	-.1	
		ES	07 05 51.9						.6	
15	ASC	EP	07 05 31.3				109	30	-.2	
15	ASB	EP	07 05 31.5	2.0	.1		116	25	-.1	
		ES	07 05 51.3						-.5	
15	ANA	EP	07 05 31.7				117	49	.0	
15	7 6	25.98	51.75 N	179.97 E	DEPTH = 25.0 KM					FIXED DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
15	ASD	EPG	07 06 36.4	.1	.2	.02	60	46	-.1	
		ES	07 06 44.2						-.0	
15	ASC	EPG	07 06 37.4				64	60	.3	
15	ASB	EPG	07 06 37.5				66	49	.1	
		IS	07 06 45.8						.0	
15	AND	EPG	07 06 38.2				73	73	-.3	
15	ANA	EPG	07 06 41.3				91	81	.1	
15	ASD	EP	08 01 36.4							QP
		ES	08 01 46.2							
15	ASC	EP	08 01 38.8							
		ES	08 01 49.9							
15	ASD	IP C	08 02 34.3	9.2	.2					
		IL	08 02 53.6							
15	ASB	IP C	08 02 34.5	7.8	.2					T PHASE
		IS	08 02 52.8							
		I(T)	08 03 56.9							
15	ASC	IP C	08 02 36.2							
15	AND	IP C	08 02 38.0							
15	ANA	IP	08 02 41.1							
15	8 13	52.06	51.40 N	178.45 E	DEPTH = 50.0 KM					FIXED DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
15	ANA	IPGC	08 14 .9				29	210	-.1	
		ES	08 14 7.5						.0	
15	AND	EPG	08 14 1.8				39	243	-.0	
		ES	08 14 8.8						-.1	
15	ASC	EPG	08 14 3.2				50	262	.3	
15	ASB	EPG	08 14 3.3				55	275	-.2	
15	ASD	EPG	08 14 4.1				62	273	-.1	SMALL
15	ADK	IP D	08 32 18.7							
		IS	08 32 21.7							
15	9 36	10.50	20.53 S	178.84 W	DEPTH = 615.0 KM MB = 5.1					TELESEISMIC SOLUTION
			FIJI ISLANDS REGION							
15	ASB	EP	09 46 31.2	16.3	.4		7961	178		
15	ASD	EP	09 46 31.3	17.9	.4		7963	178		TELE
15	ASC	EP	09 46 31.9				7973	178		
15	AND	EP	09 46 32.7				7984	178		
15	ANA	EP	09 46 33.4				7992	178		
15	ADK	IP	09 46 34.3				8020	182		

SEP 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
15	10 55	19.20	8.72 N 127.22 E	DEPTH = 33.0 KM	MB = 5.5	MS = 5.4	TELESEISMIC SOLUTION			
PHILIPPINE ISLANDS REGION										
15	ANA	EP	11 05 24.4				6657	243		
15	AND	EP	11 05 25.3				6672	244		
15	ASB	EP	11 05 26.0	3.3	.3		6681	244		
15	ASD	EP	11 05 26.2	4.6	.4		6688	244		TELE
15	ASC	EP	11 05 26.2				6681	244		
15	ADK	E(P)	11 05 41.2				6969	248		0
15	11 43	19.35	51.08 N 178.42 E	DEPTH = 34.9 KM	FREE DEPTH SOLUTION					
RAT ISLANDS, ALEUTIAN ISLANDS										
15	ANA	EPG	11 43 30.9				63	196	.0	
15	AND	EPG	11 43 31.0				65	215	-.2	
15	ASB	EPG	11 43 31.2				66	242	-.0	
15	ES		11 43 39.9						-.0	
15	ASC	EPG	11 43 31.7				67	231	.3	
15	ASD	EPG	11 43 32.1				72	244	-.1	
15	11 43	39.99	51.00 N 178.56 E	DEPTH = 42.0 KM	FREE DEPTH SOLUTION					
RAT ISLANDS, ALEUTIAN ISLANDS										
15	ASB	EPG	11 43 51.9	1.3	.1	1.36	63	231	-.0	
15	AND	IPG	11 43 52.5				68	204	-.1	
15	ASC	IPG	11 43 52.6				67	220	.2	
15	ASD	IPG	11 43 52.7	1.4	.1	1.55	69	233	-.0	
15	ES		11 44 2.0						-.0	
15	ANA	EPG	11 43 52.9				70	186	.0	
15	ASD	IP	13 35 51.8	2.8	.1					
15	IS		13 36 3.9							
15	ASB	EP	13 35 52.2	4.1	.1					
15	ASC	EP	13 35 52.4							
15	ES		13 36 5.0							
15	AND	EP	13 35 53.2							
15	ANA	IP	13 35 54.9							
15	13 44	48.66	52.20 N 177.59 E	DEPTH = 100.0 KM	FIXED DEPTH SOLUTION					
RAT ISLANDS, ALEUTIAN ISLANDS										
15	ANA	IP	13 45 7.9				97	311	.0	
15	AND	IP D	13 45 9.7				118	307	-.2	
15	ASC	EP	13 45 11.8				136	308	.0	
15	E(S)		13 45 28.6						-.0	
15	ASB	EP	13 45 13.0	2.9	.1		148	310	-.0	QP
15	ASD	EP	13 45 13.6	2.8	.1		152	308	.2	QP
15	14 7	47.32	51.33 N 177.78 E	DEPTH = 25.0 KM	FIXED DEPTH SOLUTION					
RAT ISLANDS, ALEUTIAN ISLANDS										
15	ANA	IP	14 07 59.4				70	242	.1	
15	IS		14 08 8.1						.0	
15	AND	EP	14 08 1.6				86	253	-.1	
15	ASC	IP	14 08 3.4				97	262	-.1	
15	ASB	IP C	14 08 4.2	3.6	.1	2.59	102	268	.0	
15	ASD	IP C	14 08 5.2	3.1	.1	2.62	109	268	.1	

SEP 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
15	14 35	23.79	51.66 N 179.96 E	DEPTH = 84.1 KM						FREE DEPTH SOLUTION
RAT ISLANDS, ALEUTIAN ISLANDS										
15	ASD	EPG	14 35 37.8				53	54	-.1	SMALL
		ES	14 35 48.1						-.0	
15	ASB	EPG	14 35 38.3				60	56	-.0	
15	ASC	EPG	14 35 38.5				59	68	.2	
15	AND	EPG	14 35 39.1				70	81	-.1	
15	ANA	EPG	14 35 41.1				90	87	.0	
.....										
15	ASD	EP	15 26 29.9	1.7	.1					
15	ASE	EP	15 26 30.1							
15	ASC	IP D	15 26 30.4							
15	AND	IP C	15 26 31.0							
		ES	15 26 48.5							
15	ANA	IP C	15 26 31.5							
		ES	15 26 49.2							
.....										
15	15 35	13.25	51.58 N 178.88 E	DEPTH = 77.5 KM						FREE DEPTH SOLUTION
RAT ISLANDS, ALEUTIAN ISLANDS										
15	AND	EPG	15 35 24.3				6	285	-.1	
		ES	15 35 32.5						-.0	
15	ANA	EPG	15 35 24.6				16	111	.0	
15	ASC	EPG	15 35 25.0				24	302	.1	
15	ASB	EPG	15 35 25.4	1.1	.1		35	313	-.0	
15	ASD	EPG	15 35 25.6	1.5	.1		39	304	-.1	
.....										
15	18 32	4.64	51.28 N 179.84 E	DEPTH = 25.0 KM						FIXED DEPTH SOLUTION
RAT ISLANDS, ALEUTIAN ISLANDS										
15	ASD	IPGC	18 32 11.7	1.4	.1	.53	37	108	-.2	
		IS	18 32 16.9						-.3	
15	ASB	IPGC	18 32 12.8	3.9	.1	1.21	42	103	.1	
		IS	18 32 18.9						.3	
15	ASC	IPGC	18 32 14.1				51	113	.1	
15	AND	EPG	18 32 16.7				69	117	.1	
.....										
15	18 34	15.69	51.27 N 179.85 E	DEPTH = 25.0 KM						FIXED DEPTH SOLUTION
RAT ISLANDS, ALEUTIAN ISLANDS										
15	ASD	IPGD	18 34 22.8	2.0	.1	.70	37	109	-.3	
		IS	18 34 28.0						-.4	
15	ASB	IPGD	18 34 23.9	5.5	.1	1.38	43	103	.1	
		IS	18 34 30.1						.3	
15	ASC	IPGD	18 34 25.2				52	114	.1	
15	AND	IPGD	18 34 27.8				70	117	.1	
15	ANA	EPG	18 34 31.0				91	115	.1	QP
.....										
15	ANA	IP D	19 06 17.6							
15	AND	IP D	19 06 19.7							
15	ASC	IP C	19 06 22.4							
15	ASB	EP C	19 06 23.0	196.0	.2					
		IS	19 06 43.3							
15	ASD	EP	19 06 23.7	112.4	.2					T PHASE
		IL	19 06 46.0							
15	ADK	EP	19 06 57.3							

SEP 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
15	20 11	18.79	52.48 N 178.60 E	DEPTH = 125.0 KM						FIXED DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
15	ANA	IP C	20 11 40.0				96	357	-.1	
		IS	20 11 55.6						.0	
15	AND	EP	20 11 41.0				105	347	.1	
		ES	20 11 57.0						.0	
15	ASB	EP	20 11 43.3				133	341	-.1	
15	ASD	EP	20 11 43.4	1.1	.1		133	338	-.0	
15	20 42	59.10	30.22 S 177.61 W	DEPTH = 34.0 KM	MB = 5.2	MS = 5.3				TELESEISMIC SOLUTION
			KERMADEC ISLANDS							
15	ADK	EP	20 55 14.7				9090	181		
15	ASB	EP	21 11 48.9							QP
		E(S)	21 11 55.9							
15	ASD	EP	21 11 49.5							QP, POOR
15	ASD	EP	21 13 46.7							QP, POOR, SMALL
		E(S)	21 13 54.3							
15	ASD	IPGD	23 29 43.8	2.0	.1					
		ES	23 29 51.0							
15	ASB	IPGD	23 29 45.0	4.8	.1					
		IS	23 29 53.0							
16	ADK	IP	00 58 9.0							
16	1 15	28.04	51.09 N 178.31 E	DEPTH = 69.0 KM						FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
16	ANA	IPG	01 15 41.7				64	203	.0	
16	AND	IPG	01 15 42.0				69	221	-.1	
		ES	01 15 52.4						.0	
16	ASB	IPG	01 15 42.4	3.0	.1		72	246	-.0	
		ES	01 15 52.9						-.0	
16	ASC	IPG	01 15 42.6				72	236	.1	
16	ASD	EPG	01 15 43.1				79	247	-.0	
16	1 25	53.92	51.96 N 179.73 E	DEPTH = 125.9 KM						FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
16	AND	EPG	01 26 13.2				69	50	-.2	
16	ASD	EPG	01 26 13.3	3.8	.1		70	22	-.1	
16	ASC	IPGD	01 26 13.6				68	35	.3	
		IS	01 26 27.4						-.0	
16	ASB	IPG	01 26 13.7	5.7	.1		75	26	-.0	
16	ANA	EPG	01 26 14.3				82	63	.0	
16	1 49	20.50	13.01 N 144.43 E	DEPTH = 47.0 KM	MB = 6.0	MS = 5.7				TELESEISMIC SOLUTION
			MARIANA ISLANDS							
16	ANA	IP	01 57 51.4				5268	228		TELE
16	AND	EP	01 57 51.8				5278	229		
16	ASE	EP	01 57 51.8				5279	229		
16	ASD	EP	01 57 51.9	173.0	.4		5285	229		
16	ASC	EP	01 57 52.2				5282	229		

SEP 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
16	2 49 32.55		51.67 N 178.37 E	DEPTH = 122.6 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
16	ANA	IPG	02 49 49.5				20	283	.0	
16	AND	IPG	02 49 50.0				42	287	-.2	
16	ASC	IPG	02 49 51.2				59	293	.2	
16	ASB	EPG	02 49 51.6	12.5	.1		70	300	-.1	
16	ASD	IPG	02 49 52.0	7.4	.1		74	296	-.0	
		ES	02 50 6.2						-.0	
16	ADK	EP	03 11 35.0							
16	3 5 5.40		22.25 N 121.34 E	DEPTH = 33.0 KM MB = 5.0			TELESEISMIC SOLUTION			
			TAIWAN REGION							
16	ANA	EP	03 14 18.5				5858	259		TELE
16	ASC	EP	03 14 20.5				5889	259		
16	ASD	EP	03 14 20.7				5899	259		
16	3 31 22.18		51.56 N 178.13 E	DEPTH = 55.0 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
16	ANA	IPGC	03 31 32.3				38	259	.1	
16	AND	IPGC	03 31 33.9				57	270	-.2	
16	ASC	IPG	03 31 36.0				73	279	.2	
16	ASB	IPGC	03 31 36.6	22.2	.1		81	286	-.1	
		ES	03 31 47.3						.0	
16	ASD	IPGO	03 31 37.4	21.1	.1		87	284	.0	
16	ASD	IP D	04 00 18.5							VERY SMALL. NO
16	ASB	IP.D	04 00 19.6							
16	AND	IP	04 00 20.5							
16	ASD	IPGC	04 01 58.5	17.8	.1					
16	ASC	IPG	04 01 59.4							
16	ASB	IPGC	04 01 59.6	44.4	.1					
		IS	04 02 7.7							
16	AND	IPGC	04 02 .5							
16	ANA	IPGC	04 02 3.4							
16	4 0 8.10		5.13 S 130.38 E	DEPTH = 33.0 KM MB = 5.4 MS = 5.3			TELESEISMIC SOLUTION			
			BANDA SEA							
16	ANA	EP	04 11 18.2				7772	232		TELE
16	AND	EP	04 11 18.8				7784	233		
16	ASC	EP	04 11 19.4				7789	233		
16	ASD	EP	04 11 19.4				7793	233		
16	4 30 38.56		51.73 N 179.98 E	DEPTH = 25.0 KM			FIXED DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
16	ASD	IPG	04 30 49.0	1.5	.1	1.35	60	48	-.1	
16	ASB	IPG	04 30 50.1				66	51	.1	
		ES	04 30 58.3						-.0	
16	AND	IPG	04 30 51.0				74	75	-.2	
16	ANA	IPG	04 30 54.0				92	82	.1	

SEP 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
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16	6	19 14.27	51.11 N 179.32 E	DEPTH = 33.0 KM		FREE DEPTH SOLUTION				
RAT ISLANDS, ALEUTIAN ISLANDS										
16	ASE	IPG	06 19 21.3	4.3	.1	.60	28	170	.0	
		IS	06 19 26.4						-.0	
16	ASD	IPGD	06 19 21.4	3.1	.1	.53	30	183	-.1	
16	ASC	EPG	06 19 22.8				41	165	.1	
16	AND	EPG	06 19 24.7				56	153	-.1	
16	ADK	EP	08 30 50.5							
		ES	08 31 12.2							

16	9	0 56.56	51.56 N 178.99 E	DEPTH = 63.4 KM		FREE DEPTH SOLUTION				
RAT ISLANDS, ALEUTIAN ISLANDS										
16	AND	IPGD	09 01 5.8				3	86	-.1	
		IS	09 01 12.8						.0	
16	ASC	IPG	09 01 6.4				16	313	.2	
16	ANA	IPG	09 01 6.6				24	107	.0	
16	ASE	EPG	09 01 6.8				29	322	-.0	
		ES	09 01 14.3						-.0	
16	ASD	EPG	09 01 7.0	5.2	.1		32	311	-.0	
16	ASD	EPG	10 11 11.6	1.7	.1					
		ES	10 11 18.5							
16	ASR	EPG	10 11 11.9							
16	ASC	EPG	10 11 13.5							
16	ANA	EPN	13 50 44.0							
		ES	13 51 12.7							
16	ASE	EPN	13 50 46.9	2.7	.1					
		ES	13 51 17.2							
16	ASD	EPN	13 50 47.6							
		ES	13 51 19.7							

16	13	58 44.91	51.26 N 179.99 E	DEPTH = 22.6 KM		FREE DEPTH SOLUTION				
RAT ISLANDS, ALEUTIAN ISLANDS										
16	ASD	IPG	13 58 53.5	2.1	.1	1.11	47	106	.0	
16	ASE	EPG	13 58 54.4				53	102	.0	
		ES	13 59 1.2						-.0	
16	ASC	EPG	13 58 55.6				62	111	-.0	
		IS	13 59 3.5						.1	

16	17	1 47.43	52.19 N 178.78 E	DEPTH = 92.1 KM		FREE DEPTH SOLUTION				
RAT ISLANDS, ALEUTIAN ISLANDS										
16	ANA	IPG	17 02 3.0				63	8	-.0	V. SMALL
16	AND	IPG	17 02 3.6				71	351	-.0	
		ES	17 02 15.4						-.0	
16	ASD	EPG	17 02 6.1				98	337	-.0	
16	ASE	EPN	17 58 2.5							
		IS	17 58 18.4							
16	ASD	IPND	17 58 3.0	2.1	.1					
		IS	17 58 18.8							
16	ASC	EPN	17 58 3.7							
16	ASE	EPG	18 36 44.3							V. SMALL
		ES	18 36 50.2							
16	ASD	EPG	18 36 44.8							

SEP 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
		ES	18 36 50.6							
16	ASB	IPG	18 37 42.6	3.9	.1					
16	ASD	EPG	18 37 42.9	2.8	.1					
		ES	18 37 48.9							
16	ASB	IPN	21 54 58.2	2.0	.1					
		ES	21 55 14.3							
16	ASD	EPN	21 54 58.4	3.6	.1					
		ES	21 55 14.9							
16	AND	EPN	21 55 1.4							
16	ASD	EPN	22 25 12.6							SMALL
		ES	22 25 30.4							
16	ASB	EPN	22 25 13.7							
16	ASD	EPN	22 25 26.2							SMALL. P UNCERT
		ES	22 25 44.1							
16	ASB	E(P)	22 25 27.4							AIN.
16	ASD	EPN	22 33 48.3							
		IPG	22 33 49.4	6.2	.1					
		IS	22 34 6.0							
16	ASB	EPN	22 33 49.7							
		IPG	22 33 52.1	5.6	.1					
16	ADK	EP	22 33 51.8							
		ES	22 34 11.0							
16	ASC	IP	22 33 52.0							
16	AND	EP	22 33 53.6							
16	ANA	EP	22 33 56.8							

16	22 56 53.75	51.82 N 179.15 E	DEPTH = 192.3 KM	FREE DEPTH SOLUTION
		RAT ISLANDS, ALEUTIAN ISLANDS		
16	AND EP	22 57 19.4	31 25 .0	
16	ANA IP	22 57 19.5	40 58 -.1	
16	ASC IP	22 57 19.7	39 358 .1	
	ES	22 57 38.4	.0	
16	ASD IP	22 57 19.7	3.8 .1 51 345 -.2	
16	ASB EP	22 57 20.0	2.2 .1 51 352 .1	
	ES	22 57 39.0	-.0	

16	23 8 37.02	51.56 N 178.90 E	DEPTH = 70.3 KM	FREE DEPTH SOLUTION
		RAT ISLANDS, ALEUTIAN ISLANDS		
16	AND EPG	23 08 47.2	4 265 -.1	
	ES	23 08 54.6	-.1	
16	ANA IPG	23 08 47.6	18 114 .0	
16	ASC IPG	23 08 47.9	21 300 .2	
16	ASB IPG	23 08 48.2	5.4 .1 33 312 -.1	
	ES	23 08 56.5	.0	
16	ASD IPG	23 08 48.4	7.1 .1 37 304 -.1	
	IS	23 08 57.0	.1	

16	23 34 36.20	51.26 N 179.23 W	DEPTH = 25.0 KM	FIXED DEPTH SOLUTION
		DELAROF ISLANDS, ALEUTIAN ISLANDS		
16	ASD EPG	23 34 52.5	100 97 -.2	SMALL.
	ES	23 35 4.5	-.3	
16	ASB EPG	23 34 53.8	107 95 .1	
	ES	23 35 6.7	.3	
16	ASC EPG	23 34 54.9	114 101 .1	

SEP 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
16	23 40	39.87	51.25 N 179.31 W	DEPTH = 25.0 KM			FIXED DEPTH SOLUTION			
DEAROF ISLANDS, ALEUTIAN ISLANDS										
16	ASD	IPG	23 40 55.6	4.1	.1	2.52	95	98	.0	
		ES	23 41 7.2						.2	
16	ASB	EPG	23 40 56.5	3.6	.1	2.57	101	97	-.0	
		IS	23 41 8.5						-.2	
16	ASC	EPG	23 40 57.8				108	102	.1	
16	AND	EPG	23 41 0.0				125	106	-.2	
16	ANA	EPG	23 41 3.5				147	106	.1	
.....										
17	ASB	IP	02 24 16.4	9.8	.1					
		IS	02 24 32.2							
17	ASD	IP	02 24 16.9	1.8	.1					
17	ANA	EP	02 24 18.2							QP
17	AND	IP	02 24 18.6							
.....										
17	2 41	39.02	62.78 N 150.37 W	DEPTH = 94.0 KM MB = 3.9			TELESEISMIC SOLUTION			
CENTRAL ALASKA										
17	GMA	EP	02 43 .5				606	114		
.....										
17	3 0	20.91	51.77 N 179.92 E	DEPTH = 25.0 KM			FIXED DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
17	ASD	IPGD	03 00 31.3	4.8	.1	1.85	60	42	-.2	
17	ASC	IPG	03 00 32.1				63	56	.2	
17	ASB	IPGD	03 00 32.4	2.9	.1	1.78	66	45	.1	
		ES	03 00 40.6						-.0	
17	AND	EPG	03 00 33.0				71	70	-.1	
.....										
17	ASD	EP	03 26 16.4	1.1	.1					
		E	03 26 30.2							
17	ASB	EP	03 26 17.6	2.3	.1					
		E	03 26 32.7							
17	ADK	IP D	04 05 55.0							
		IS	04 06 10.7							
17	ASD	IP D	04 05 58.2	34.3	.1					
17	ASB	IP D	04 05 59.2	61.1	.1					
		ES	04 06 19.6							
17	ASC	IP D	04 05 59.5							
17	AND	IP D	04 06 .7							
17	ANA	IP D	04 06 3.1							
17	ADK	EP	05 37 45.3							
		ES	05 37 51.0							
17	ADK	EP	06 13 20.0							
		ES	06 13 58.2							
17	ASD	EP	06 13 56.1	6.3	.2					REGIONAL
17	ASC	EP	06 13 56.7							
17	ASE	EFM	06 13 57.2	20.1	.3					
		IPG	06 14 1.7							
17	AND	EP	06 13 59.1							
17	ANA	EP	06 14 1.2							

SEP 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
17	8 43	13.59	51.60 N 179.57 E	DEPTH = 79.6 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
17	ASD	IPGC	08 43 25.6	2.9	.1		30	33	-.1	
		IS	08 43 34.5						-.1	
17	ASE	IPGC	08 43 26.0	5.1	.1		35	40	-.0	
		IS	08 43 35.1						.0	
17	ASC	IPG	08 43 26.1				32	61	.3	
17	AND	IPGD	08 43 26.4				43	84	-.1	
17	ANA	IPGD	08 43 28.0				63	92	-.0	
17	ASD	EP	09 18 27.3	1.1	.1					
17	ASE	EP	09 18 28.7	1.9	.1					
		ES	09 18 46.5							
17	ASC	EP	09 18 29.6							QP
17	ANA	EP	10 01 49.5							QS
		ES	10 02 10.5							
17	ASE	EP	10 01 51.8							
		ES	10 02 14.1							
17	10 15	17.26	51.01 N 179.69 E	DEPTH = 50.0 KM			FIXED DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
17	ASD	IPGC	10 15 27.8	5.3	.1	1.53	48	149	-.0	
		ES	10 15 35.6						.1	
17	ASE	IPG	10 15 27.9	4.0	.1	1.48	50	142	-.2	
		ES	10 15 35.8						-.1	
17	ASC	EPG	10 15 29.5				62	144	.1	
17	AND	EPG	10 15 31.7				80	140	.2	QP
17	10 41	39.98	51.30 N 179.72 E	DEPTH = 25.0 KM			FIXED DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
17	ASD	IPGD	10 41 46.0	2.0	.1	.25	28	108	-.2	
		IS	10 41 50.5						-.2	
17	ASE	IPGD	10 41 47.0	4.1	.1	.87	34	102	.1	
		IS	10 41 52.1						.1	
17	ASC	IPGD	10 41 48.3				43	115	.2	
		ES	10 41 54.1						.0	
17	ADK	EP	11 13 53.2							
		ES	11 14 14.4							
17	ASD	EP	11 14 26.9	3.9	.2					V.PCOR REGIONAL
		I	11 15 28.0							
17	ASB	EP	11 14 27.5	7.2	.2					
17	ASC	EP	11 14 29.8							
17	ASD	EP	11 39 27.1							VERY FOOR
		ES	11 39 40.9							
17	11 45	34.61	51.45 N 179.69 W	DEPTH = 50.0 KM			FIXED DEPTH SOLUTION			
DELAROF ISLANDS, ALEUTIAN ISLANDS										
17	ASD	IP D	11 45 47.1	5.9	.1	2.14	68	82	-.3	
		IS	11 45 56.7						-.0	
17	ASE	IP D	11 45 48.3	11.9	.1	2.60	74	82	.1	
		IS	11 45 58.1						.0	
17	ASC	EP	11 45 49.3				79	90	.5	
17	AND	EP	11 45 50.1				95	97	-.5	
17	ANA	IP	11 45 53.4				116	99	.2	

SEP 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
17	12 39 28.86		51.79 N 179.24 E	DEPTH = 170.9 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
17	AND	EP	12 39 51.8				32	38	-.1	
17	ASD	EP	12 39 52.1	1.4	.1		47	352	-.2	
17	ANA	EP	12 39 52.2				44	65	-.0	
17	ASC	EP	12 39 52.3				37	8	.3	
17	ASE	EP	12 39 52.4				48	360	.0	
		ES	12 40 9.5						-.0	
.....										
17	13 25 34.09		51.41 N 179.05 E	DEPTH = 73.5 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
17	ASC	EPG	13 25 44.8				10	233	.0	
		ES	13 25 52.6						-.0	
17	ASB	EPG	13 25 44.9	2.6	.1		15	291	-.0	
		ES	13 25 52.8						.0	
17	ASD	EPG	13 25 45.1				20	280	-.0	
17	ANA	EPG	13 25 45.9				36	132	-.0	
.....										
17	13 25 43.73		51.41 N 179.53 W	DEPTH = 69.4 KM			FREE DEPTH SOLUTION			
DELAROF ISLANDS, ALEUTIAN ISLANDS										
17	ASD	EP	13 25 58.8	1.4	.1		78	87	.0	
17	ASB	EP	13 25 59.5	2.8	.1		85	86	.0	
		ES	13 26 11.0						.0	
17	ASC	EP	13 26 .1				91	93	.0	
.....										
17	ADK	EP	13 29 44.0							
17	ASD	EP	13 30 16.7	6.4	.2					TELE
17	ASB	EP	13 30 17.1	26.0	.3					
17	ASC	EP	13 30 18.3							
17	AND	EP	13 30 19.8							
17	ANA	EP	13 30 21.7							
.....										
17	ASD	EP	13 55 2.8	3.1	.2					TELE
17	ASB	EP	13 55 3.2	8.6	.2					
17	ADK	EP	14 01 35.3							
		ES	14 01 51.2							
17	ASD	IPND	14 01 35.8							
		IPG	14 01 37.3	22.0	.1					
		IS	14 01 53.7							
17	ASB	IP	14 01 36.8	41.7	.2					
17	ASC	IP D	14 01 37.9							
17	AND	IP D	14 01 40.0							
17	ANA	EP	14 01 43.1							QP
.....										
17	ADK	EP	14 18 48.9							
17	ASD	EP	14 19 25.4	4.6	.2					NO S VISIBLE
17	ASE	EP	14 19 25.8	10.9	.3					T PHASE--
17	ASC	EP	14 19 26.9							
17	AND	EP	14 19 28.1							
.....										
17	15 33 5.63		51.34 N 178.88 E	DEPTH = 24.2 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
17	ASD	IP D	15 33 11.7	4.8	.1	.86	32	262	-.6	
		IS	15 33 15.1						-2.1	
17	AND	EP	15 33 11.7				26	191	.2	
17	ASC	IP	15 33 11.8				24	235	.5	
		ES	15 33 15.2						-.2	

SEP 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
17	ASB	IP D	15 33 11.9	3.2	.1	.31	26	264	.4	
		IS	15 33 15.4						-.3	
17	ANA	IP D	15 33 12.4				36	154	-.3	
.....										
17	15 37 28.26	51.36 N 178.74 E DEPTH = 36.2 KM RAT ISLANDS, ALEUTIAN ISLANDS								FREE DEPTH SOLUTION
17	AND	EPG	15 37 35.4				27	213	-.2	
17	ANA	IPGC	15 37 35.9				31	170	.0	
		IS	15 37 41.5						.0	
17	ASC	EPG	15 37 36.3				32	248	.3	
17	ASB	EPG	15 37 36.4				35	269	-.0	
		IS	15 37 42.3						-.1	
17	ASD	EPG	15 37 37.1				42	267	-.1	
.....										
17	17 13 21.83	51.51 N 177.65 E DEPTH = 50.0 KM RAT ISLANDS, ALEUTIAN ISLANDS								FIXED DEPTH SOLUTION
17	ANA	IPG	17 13 35.2				71	260	.1	
		IS	17 13 44.7						.0	
17	AND	EP	17 13 37.0				91	267	-.4	
17	ASC	EP	17 13 39.4				105	274	.3	
17	ASB	IP	17 13 40.0	1.1	.1	2.23	112	279	-.0	
17	ASD	IP	17 13 40.7	1.3	.1	2.37	119	278	-.1	
.....										
17	ASB	EP	18 52 9.8	2.2	.1					
17	AND	IP C	18 52 10.4							
		IS	18 52 28.0							
17	ANA	EP	18 52 10.4							
17	ASD	IP	18 52 10.5	1.7	.1					
17	ASC	EP	18 52 10.5							
17	ADK	EP	19 05 44.3							
		ES	19 06 10.0							
17	ASD	EP	19 06 17.9	3.6	.1					REGIONAL-
17	ASB	EP	19 06 18.6	3.6	.1					NO S VISELE
17	ASC	EP	19 06 19.4							T PHASE-
17	ANA	EP	19 06 23.1							
.....										
17	20 20 8.19	51.44 N 178.86 E DEPTH = 63.5 KM RAT ISLANDS, ALEUTIAN ISLANDS								FREE DEPTH SOLUTION
17	AND	IPG	20 20 17.7				15	206	-.1	
		IS	20 20 24.7						-.1	
17	ASC	IPGD	20 20 18.2				21	265	.1	
		IS	20 20 25.5						.2	
17	ANA	IPGD	20 20 18.3				25	146	.1	
17	ASB	IPGD	20 20 18.4	4.1	.1		28	289	-.0	
		IS	20 20 25.9						-.0	
17	ASD	IPGC	20 20 18.8	3.5	.1		34	283	-.0	LOCAL
		IS	20 20 26.5						-.1	
.....										
17	ASD	EP	21 02 55.3	1.1	.1					
		ES	21 03 8.5							
17	ASB	EP	21 02 55.9							
		ES	21 03 9.6							
17	ASC	EP	21 02 57.7							
17	AND	EP	21 03 0.0							
17	ANA	EP	21 03 3.2							
17	ASB	IP D	22 21 21.7	2.5	.1					
		IS	22 21 35.8							

SEP 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
17	ASD	IP D	22 21 22.2	1.1	.1					
		ES	22 21 36.6							
17	ASC	IP D	22 21 23.1							
17	AND	IP D	22 21 24.2							
17	ANA	IP D	22 21 25.4							
.....										
18	0 57 48.67	51.07 N 179.07 E	DEPTH = 28.3 KM				FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
18	ASB	IPGD	00 57 56.0	3.1	.1	.80	35	201	-.0	
		ES	00 58 1.4						.1	
18	ASD	IPG	00 57 56.5	3.1	.1	.99	39	209	-.1	
		IS	00 58 2.2						-.1	
18	ASC	IPG	00 57 57.4				44	189	.2	
18	AND	IPG	00 57 58.8				55	172	.0	
18	ANA	IPG	00 58 .5				68	155	-.1	
.....										
18	ASD	EPG	01 56 1.2	3.4	.1					
		IS	01 56 8.8							
18	ASE	EPG	01 56 1.9							
18	ASC	IPGC	01 56 3.5							
18	AND	EPG	01 56 5.8							
18	ASD	EPN	02 49 50.9	2.4	.1					
		IS	02 50 9.0							
18	ASB	EPN	02 49 52.3	2.7	.1					
		IS	02 50 10.5							
18	ASC	EPN	02 49 53.1							
		ES	02 50 11.9							
18	ANA	IFN	02 49 57.8							
18	ASD	EPN	03 05 9.4	2.7	.1					
		ES	03 05 34.3							
18	ASB	EPN	03 05 9.8	3.1	.1					
		ES	03 05 34.9							
18	ASC	EPN	03 05 9.8							
.....										
18	4 15 34.74	51.15 N 179.31 W	DEPTH = 50.0 KM				FIXED DEPTH SOLUTION			
DELAROF ISLANDS, ALEUTIAN ISLANDS										
18	ASD	EPN	04 15 50.9				97	105	-.2	
		IPG	04 15 52.8	2.8	.1	2.40				
		ES	04 16 2.7						-.3	
18	ASB	EPN	04 15 51.8				103	103	.0	
		IPG	04 15 53.7	2.1	.1	2.37				
		IS	04 16 4.5						.3	
18	ASC	EPN	04 15 53.0				112	108	.2	
		IPG	04 15 54.7							
.....										
18	4 48 14.99	50.45 N 178.89 E	DEPTH = 50.0 KM				FIXED DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
18	ASB	EPG	04 48 32.0	2.6	.1	2.48	104	194	-.2	
		IS	04 48 44.7						-.0	
18	ASD	IPG	04 48 32.8	1.8	.1	2.38	108	197	.2	
18	ASC	EPG	04 48 33.3				114	190	-.1	
18	AND	EPG	04 48 34.5				124	182	-.1	
18	ANA	EPG	04 48 35.6				132	173	.1	
.....										
18	ADK	IP D	05 00 24.0							
		IS	05 00 40.1							
18	ASD	IPN	05 00 46.7	55.6	.2					
		IS	05 01 6.7							

SEP 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
18	ASB	IPN	05 00 47.6	108.5	.2					
		IS	05 01 7.1							
18	ASC	IPN	05 00 47.9							
18	AND	IPN	05 00 49.2							
18	ANA	IPN	05 00 51.5							
.....										
18	5 26 45.97	51.23 N 178.87 E	DEPTH = 23.5 KM	FREE DEPTH SOLUTION						
RAT ISLANDS, ALEUTIAN ISLANDS										
18	ASE	IPGD	05 26 52.3	8.5	.1	.99	30	240	.0	
		ES	05 26 56.8						-.1	
18	ASC	IPGD	05 26 52.8				33	218	.1	
18	ASD	IPG	05 26 53.1	4.5	.1	1.03	37	243	-.0	
18	AND	IPGD	05 26 53.2				38	188	-.1	
		IS	05 26 58.7						.0	
18	ANA	IPG	05 26 54.6				47	161	.0	
.....										
18	ASD	EPN	05 36 16.0	2.4	.1					
		ES	05 36 34.2							
18	ASB	EPN	05 36 17.6	3.5	.1					
		ES	05 36 35.6							
18	ASC	IPN	05 36 18.4							
18	ANA	EPN	05 36 22.4							
18	ASD	EPN	05 59 43.9	2.2	.1					
		ES	06 00 .8							
18	ASB	EPN	05 59 44.4	2.6	.1					
		ES	06 00 2.4							
18	ASC	EPN	05 59 45.1							
		ES	06 00 3.7							
18	ANA	EPN	05 59 49.0							
.....										
18	23 31 52.44	51.14 N 179.27 E	DEPTH = 30.3 KM	FREE DEPTH SOLUTION						
RAT ISLANDS, ALEUTIAN ISLANDS										
18	ASB	IPGD	23 31 58.7	29.9	.1	1.19	24	176	-.1	NO TIME MARKS
		ES	23 32 3.5						.1	
18	ASD	IPGD	23 31 59.0	30.2	.1	1.34	26	191	.0	FROM 0615 TO
		IS	23 32 3.6						-.2	
18	ASC	IPGD	23 32 .3				36	168	.2	2330.
18	AND	IPGD	23 32 2.1				51	155	-.0	
18	ANA	EPG	23 32 4.4				68	142	-.1	
.....										
19	ADK	EP	00 21 7.7							
		ES	00 21 23.9							
19	ASD	IPG	00 21 8.2							SCALED FROM
19	ASE	IPG	00 21 9.4							BRUSH RECORD.
19	ASC	IPG	00 21 10.4							S NOT IDENTIFI-
19	AND	IPG	00 21 12.6							ABLE.
19	ANA	IPG	00 21 15.7							
.....										
19	0 42 55.86	52.56 N 179.01 E	DEPTH = 100.0 KM	FIXED DEPTH SOLUTION						
RAT ISLANDS, ALEUTIAN ISLANDS										
19	ANA	IP	00 43 15.9				107	13	-.1	SCALED FROM
19	AND	IP	00 43 16.9				111	2	.5	BRUSH RECORD.
19	ASC	IP	00 43 17.1				123	355	-.5	
19	ASD	IP	00 43 18.8				134	350	.0	
		IS	00 43 35.9						.4	
19	ASE	IP	00 43 18.9				135	353	.1	
		ES	00 43 35.2						-.4	

SEP 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
19	0 44	1.20	32.41 N 137.71 E	DEPTH = 365.0 KM MB = 5.1		TELESEISMIC SOLUTION				
SOUTH OF HONSHU, JAPAN										
19	ANA	EP	00 50 25.2				3934	253		TELESEISMIC.
19	AND	EP	00 50 26.7				3951	254		
19	ASB	EP	00 50 27.3				3965	254		
19	ASC	EP	00 50 27.8				3962	254		
19	ASD	EP	00 50 27.8				3971	254		
19	ADK	EP	00 50 47.7				4259	258		
.....										
19	2 21	7.20	51.62 N 167.61 W	DEPTH = 33.0 KM MB = 4.5		TELESEISMIC SOLUTION				
FOX ISLANDS, ALEUTIAN ISLANDS										
19	ADK	EP	02 22 31.4				620	89		
19	ASD	IP D	02 23 5.5	26.6	.2		906	83		REG
		E(S)	02 24 37.5							
19	ASB	EP	02 23 6.2	65.7	.2		913	83		
19	ASC	EP	02 23 7.0				917	84		
19	AND	IP	02 23 9.1				931	84		
19	ANA	EP	02 23 11.4				950	85		
		E(S)	02 24 46.1							
.....										
19	2 25	31.00	60.94 N 151.55 W	DEPTH = 66.0 KM MB = 4.6		TELESEISMIC SOLUTION				
KENAI PENINSULA, ALASKA										
19	GMA	EP	02 27 3.5				699	131		
19	ASD	EP	02 29 45.3	8.0	.3		2076	48		TELE
19	ASB	EP	02 29 45.8	6.1	.2		2082	48		
19	AND	EP	02 29 46.6				2082	48		
19	ANA	EP	02 29 48.6				2093	49		
.....										
19	GMA	EP	03 03 17.5							
19	ASD	EPG	04 02 15.6							VERY SMALL.
		IS	04 02 27.9							
19	ASB	EPG	04 02 16.8							
		ES	04 02 29.8							
19	ANA	EP	04 23 1.7							V. SMALL
19	ASB	EP	04 23 2.9							
19	ASC	EP	04 23 3.3							
19	ASD	EP	04 23 3.4							
19	ASD	EP	04 34 17.7	1.5	.1					
		ES	04 34 33.5							
19	ASB	EP	04 34 18.6	3.1	.1					
		ES	04 34 35.0							
19	ASC	EP	04 34 19.8							
19	ANA	EP	04 45 6.0							
19	AND	EP	04 45 8.5							
19	ASC	EP	04 45 10.1							
		ES	04 45 29.8							
19	ASB	EP	04 45 11.4							
19	ASD	EP	04 45 12.4	1.7	.1					
		ES	04 45 33.1							

SEP 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
19	5	3	28.14	63.27 N	150.99 W	DEPTH = 33.0 KM	MB = 3.9			TELESEISMIC SOLUTION
				CENTRAL ALASKA						
19	GMA	E(P)	05 04 42.5				550	111		
19	ASD	IP C	05 45 48.1	27.4	.1					
19	ASB	EP	05 45 48.8	34.7	.1					
		ES	05 46 .8							
19	ASC	EP	05 45 50.4							
19	AND	IP C	05 45 52.9							
19	ANA	EP	05 45 55.6							
19	5	48	50.56	51.48 N	178.62 W	DEPTH = 50.0 KM				FIXED DEPTH SOLUTION
				DELAROF ISLANDS, ALEUTIAN ISLANDS						
19	ASD	IP D	05 49 12.3	7.8	.1	3.45	142	85	-.0	
		IS	05 49 28.1						-.1	
19	ASB	IP	05 49 13.3	15.8	.1	3.83	148	84	.1	
		ES	05 49 29.4						-.3	
19	ASC	IP	05 49 13.9				153	88	.1	
		IS	05 49 31.1						.4	
19	AND	EP	05 49 15.5				168	92	-.1	
19	ANA	IP D	05 49 18.0				189	94	-.1	
19	6	25	59.67	51.08 N	179.78 E	DEPTH = 25.0 KM				FIXED DEPTH SOLUTION
				RAT ISLANDS, ALEUTIAN ISLANDS						
19	ASD	IPGC	06 26 8.4				45	138	.3	
		IS	06 26 14.2						-.1	
19	ASB	IPG	06 26 8.6				49	130	-.0	
		IS	06 26 15.3						.1	
19	ASC	EPG	06 26 10.1				61	135	-.2	
19	ANA	IPND	06 45 50.6							POOR S.
		IPG	06 45 52.0							
		E(S)	06 46 8.6							
19	AND	EPN	06 45 53.6							
19	ASC	EPN	06 45 56.0							
19	ASB	EPN	06 45 57.4							
19	ASD	EPN	06 45 58.0	6.4	.3					
19	ANA	EP	08 21 23.0							
		ES	08 21 38.5							
19	AND	EP	08 21 24.4							
19	ASE	EP	08 21 26.8							
19	ASD	EP	08 21 27.9							
19	10	30	31.28	52.67 N	179.90 E	DEPTH = 125.0 KM				FIXED DEPTH SOLUTION
				RAT ISLANDS, ALEUTIAN ISLANDS						
19	ANA	EP	10 30 56.9				144	36	.0	VERY SMALL.
19	ASD	EP	10 30 57.4				149	15	-.0	
		ES	10 31 16.5						.0	
19	ASB	EP	10 30 57.8				152	17	.0	

SEP	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
19	11	5	3.75	51.44 N	179.54 E	DEPTH = 25.0 KM	FIXED DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
19	ASD	IPGC	11 05 8.5	31.9	.1	.55	16	62	-.2	
		IS	11 05 12.0						-.2	
19	ASB	IPGC	11 05 9.6	78.9	.1	1.50	23	66	.3	
		IS	11 05 13.4						.0	
19	ASC	IPGC	11 05 9.8				26	94	.1	
19	AND	IPGC	11 05 11.7				43	108	-.2	
19	ANA	IPGD	11 05 15.1				64	108	.1	
19	ADK	EP	13 02 55.1							
		ES	13 03 4.8							
19	ASD	EP	13 49 58.9	1.5	.1					
		ES	13 50 15.6							
19	ASB	EP	13 49 59.4							
		ES	13 50 16.1							
19	ASC	E(P)	13 50 .2							
19	14	45	23.19	52.14 N	178.33 E	DEPTH = 146.5 KM	FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
19	ANA	IP C	14 45 44.4				61	338	-.0	
		ES	14 45 59.9						-.0	
19	AND	EP	14 45 45.2				77	326	-.1	
19	ASC	EP	14 45 46.7				94	323	.2	
19	ASB	EP	14 45 47.4	1.7	.1		107	324	.0	
19	ASD	IP D	14 45 47.4	3.1	.1		109	321	-.2	
19	ADK	IP	15 26 34.6							
		ES	15 26 53.7							
19	ASD	EP	15 27 7.2							REG.
		ES	15 27 10.4							
19	AND	IP	15 27 8.5							
19	ASB	EP	15 27 8.9							
19	ASD	EPN	16 17 13.6							
		IPG	16 17 14.8	3.2	.1					
		IS	16 17 31.5							
19	ASB	EPN	16 17 14.7							
		IS	16 17 33.2							
19	ASC	EPN	16 17 15.8							
19	ANA	IPND	16 17 19.6							
19	ASD	EP	16 34 46.0	1.4	.1					
		ES	16 35 3.7							
19	ASB	EP	16 34 47.2	1.3	.1					
		ES	16 35 5.2							
19	ASC	EP	16 34 48.0							
19	16	43	37.20	51.72 N	176.50 E	DEPTH = 45.0 KM MB = 4.3	TELESEISMIC SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
19	ANA	IF D	16 44 .4				149	275	.5	OVERLOADED ALL
19	AND	IP C	16 44 2.9				170	277	.5	EXCEPT ASB3.
19	ASC	IP	16 44 4.7				186	280	.3	
19	ASB	IP D	16 44 5.1	278.0	.2		194	283	-.3	
		E(S)	16 44 29.7						3.7	
19	ASD	IP D	16 44 6.0				200	282	-.1	
19	ADK	EP	16 44 41.9				476	271	1.7	
		IS	16 45 32.3						6.0	

SEP 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
19	ASD	EP	16 50 46.4							SMALL.
		ES	16 51 4.9							
19	ASB	EP	16 50 47.1							
19	ANA	EP	16 50 53.3							
19	ANA	EP	17 35 20.3							VERY EMERGENT.
		ES	17 35 37.5							
19	AND	EP	17 35 22.4							
19	ASC	EP	17 35 24.9							
.....										
19	18 9 55.85		51.88 N 179.68 W				DEPTH = 42.2 KM			FREE DEPTH SOLUTION
			DELAROF ISLANDS, ALEUTIAN ISLANDS							
19	ASD	EP	18 10 10.9				88	50	-.0	
		ES	18 10 21.9						-.0	
19	ASB	EP	18 10 11.7				94	52	.0	
19	ANA	IP D	18 10 14.6				118	75	-.0	
.....										
19	18 18 42.42		51.81 N 179.08 W				DEPTH = 50.0 KM			FIXED DEPTH SOLUTION
			DELAROF ISLANDS, ALEUTIAN ISLANDS							
19	ASD	IPGC	18 19 1.2	5.3	.1	3.01	120	65	-.3	
		IS	18 19 15.2						-.2	
19	ASB	EPG	18 19 2.4				126	66	.1	
		ES	18 19 17.0						.2	
19	ASC	EPG	18 19 3.0				128	72	.5	
19	AND	IPG	18 19 3.3				139	78	-.5	
19	ANA	EPG	18 19 6.3				157	82	.2	
.....										
19	ASB	EP	19 28 36.2							NO S IDENTIFI-
19	ASD	IP	19 28 36.5	5.2	.1					ABLE.
19	ANA	EP	19 28 41.1							
.....										
19	19 39 2.73		50.23 N 178.43 E				DEPTH = 75.0 KM			FIXED DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
19	ASB	EP	19 39 24.7	2.2	.1		138	205	-.0	
		ES	19 39 40.5						-.3	
19	ASD	IP D	19 39 25.2	2.1	.1		143	207	-.1	
		ES	19 39 42.0						.3	
19	ASC	EP	19 39 25.8				146	201	.1	
.....										
19	19 51 .77		51.97 N 179.26 W				DEPTH = 25.0 KM			FIXED DEPTH SOLUTION
			DELAROF ISLANDS, ALEUTIAN ISLANDS							
19	ASD	IP	19 51 19.6	4.8	.1	2.93	117	55	-.2	
		ES	19 51 33.5						-.1	
19	ASB	EP	19 51 20.6				123	56	-.1	
		ES	19 51 35.4						.1	
19	ASC	EP	19 51 21.3				122	62	.7	
19	AND	IP	19 51 21.6				131	69	-.3	
19	ANA	EP	19 51 24.5				148	74	.0	
.....										
19	ASD	EP	20 01 10.6	5.0	.1					TELE- VERY POOR
19	ASE	EP	20 01 11.5							
19	ASC	E(P)	20 01 12.3							
19	ANA	EP	20 01 15.4							

SEP 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
19	23	0	20.77	51.60 N	179.72 E	DEPTH = 60.5 KM	FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
19	ASD	IPGC	23 00 31.2	20.2	.1		36	47	-.0	
19	ASB	IPG	23 00 31.7	13.4	.1		42	51	-.0	
		IS	23 00 39.7						-.0	
19	ASC	IPG	23 00 31.8				42	69	.1	
19	AND	IPG	23 00 32.6				54	85	-.1	
19	ANA	IPGC	23 00 34.8				74	92	.0	
19	23	18	37.78	51.66 N	179.33 E	DEPTH = 103.6 KM	FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
19	ASD	EFG	23 18 52.3	3.1	.1		31	358	-.4	
		IS	23 19 3.6						-.0	
19	ASC	EPG	23 18 52.9				24	27	.4	
19	ASB	IPG	23 18 53.0				33	10	.2	
19	ANA	EPG	23 18 53.3				46	86	-.1	
20	2	19	15.87	51.40 N	178.24 E	DEPTH = 56.6 KM	FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
20	ANA	IPGD	02 19 26.2				39	230	.0	
20	AND	IPG	02 19 27.3				53	250	-.2	
20	ASC	EPG	02 19 28.9				65	264	.2	
20	ASB	IPGD	02 19 29.3	10.8	.1		70	274	.0	
		ES	02 19 39.0						-.1	
20	ASD	IPGD	02 19 29.9	7.8	.1		77	272	-.1	
		IS	02 19 40.4						.1	
20	2	30	4.89	51.48 N	179.14 W	DEPTH = 50.0 KM	FIXED DEPTH SOLUTION			
DELAROF ISLANDS, ALEUTIAN ISLANDS										
20	ASD	IPGD	02 30 22.2	10.9	.1	3.13	106	83	-.1	
		ES	02 30 35.4						.4	
20	ASB	IPGC	02 30 23.1				113	83	-.0	
		ES	02 30 36.0						-.4	
20	ASC	IPG	02 30 24.0				118	88	.3	
20	AND	EPG	02 30 25.3				132	93	-.2	
20	ANA	IPGC	02 30 28.1				153	95	.0	
20	3	6	33.96	51.13 N	179.58 E	DEPTH = 29.4 KM	FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
20	ASD	EPG	03 06 41.1	2.5	.1	.59	32	149	.0	
		IS	03 06 46.3						.0	
20	ASB	EPG	03 06 41.4				35	138	.0	
20	ASC	EPG	03 06 43.0				47	142	.0	
20	6	6	33.95	51.50 N	179.48 E	DEPTH = 18.3 KM	FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
20	ASD	IP	06 06 38.2	3.4	.1	-.33	17	36	-.0	
		E(S)	06 06 41.3						-.0	
20	ASB	EP	06 06 38.9				23	47	-.0	
20	ASC	EP	06 06 38.9				23	80	-.0	

SEP 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
20	8 53	23.06	51.63 N 177.80 E	DEPTH = 68.3 KM						FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
20	ANA	EP	08 53 36.3				60	271	.1	
		ES	08 53 45.7						-.1	
20	AND	EP	08 53 38.0				80	276	-.2	
		ES	08 53 49.4						.1	
20	ASC	EP	08 53 40.3				96	282	.3	
20	ASB	IP C	08 53 40.9				105	287	-.1	
20	ASD	EP	08 53 41.5				111	285	-.1	
20	10 43	29.29	51.36 N 178.75 E	DEPTH = 36.6 KM						FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
20	AND	IPGC	10 43 36.5				26	212	-.1	SMALL AMP.
20	ANA	EPG	10 43 36.9				30	168	-.0	
20	ASC	EPG	10 43 37.2				31	249	.2	
20	ASB	EPG	10 43 37.4				34	270	.0	
20	ASD	EPG	10 43 38.0				41	268	-.1	
		ES	10 43 44.5						-.1	
20	10 37	48.50	29.51 N 141.33 E	DEPTH = 33.0 KM	MB = 5.0					TELESEISMIC SOLUTION
			SOUTH OF HONSHU, JAPAN							
20	ADK	EP	10 45 5.6				4251	251		
20	11 11	19.13	51.14 N 179.38 W	DEPTH = 75.0 KM						FIXED DEPTH SOLUTION
			DELAROF ISLANDS, ALEUTIAN ISLANDS							
20	ASD	EP	11 11 35.9				93	106	-.2	
20	ASB	EP	11 11 36.8	2.0	.1		99	104	.1	
		IS	11 11 49.5						-.0	
20	ASC	EP	11 11 37.8				107	109	.1	
20	AND	EP	11 11 39.3				125	111	-.3	
20	ANA	EP	11 11 42.4				146	111	.3	
20	12 49	17.16	50.86 N 179.40 E	DEPTH = 24.2 KM						FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
20	ASD	IPGD	12 49 27.4	13.3	.1	2.25	58	176	-.0	
20	ASB	EPG	12 49 27.4	3.6	.1	1.65	57	169	.1	
		IS	12 49 34.5						-.1	
20	ASC	EPG	12 49 29.1				69	166	.0	
20	AND	EPG	12 49 31.2				84	158	-.1	
		ES	12 49 41.8						.1	
20	ASE	EP	15 02 32.3							SMALL AMP
		IS	15 02 49.3							
20	ASD	EP	15 02 32.9							
		IS	15 02 49.9							
20	ANA	EP	16 37 28.5							
20	AND	EP	16 37 29.6							
		ES	16 37 45.6							

SEP 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
20	17	2	42.00	16.45 N	97.28 W	DEPTH =	33.0 KM	MB = 5.0	MS = 4.1	TELESEISMIC SOLUTION
				OAXACA, MEXICO						
20	ADK	EP	17 13 54.5				7856	88		
20	17	49	21.60	51.49 N	176.20 E	DEPTH =	16.0 KM	MB = 4.2		TELESEISMIC SOLUTION
				RAT ISLANDS, ALEUTIAN ISLANDS						
20	ANA	IP	17 49 48.4				171	266	-3	
20	AND	EP	17 49 50.9				191	269	-8	
20	ASC	EP	17 49 51.7				206	272	-1.8	
20	ASB	EP	17 49 53.5				212	275	-8	
		EPG	17 49 59.3	303.3	.2					
		E(S)	17 50 22.0						3.9	
20	ASD	EP	17 49 54.6				218	274	-5	
20	ADK	EP	17 50 32.0				500	268	2.1	
20	GHA	E(P)	17 53 35.8				2024	230	-2.2	
20	AND	EP	18 28 37.6							VERY SMALL.
20	ASC	EP	18 28 38.0							
20	ASD	EP	18 28 38.8							
		ES	18 28 56.2							
20	18	58	28.66	52.26 N	178.32 E	DEPTH =	150.0 KM			FIXED DEPTH SOLUTION
				RAT ISLANDS, ALEUTIAN ISLANDS						
20	ANA	IP C	18 58 50.9				74	341	-1	
20	AND	EP	18 58 51.8				89	331	-1	
		ES	18 59 9.1						.2	
20	ASC	EP	18 58 53.4				106	327	.3	
20	ASB	EP	18 58 54.1	2.6	.1		118	328	-0	
20	ASD	IP C	18 58 54.2	4.5	.1		121	325	-1	
		ES	18 59 12.8						-2	
20	19	23	50.41	51.43 N	178.81 E	DEPTH =	43.7 KM			FREE DEPTH SOLUTION
				RAT ISLANDS, ALEUTIAN ISLANDS						
20	AND	EPG	19 23 57.8				18	215	-1	
20	ANA	EPG	19 23 58.3				24	155	-0	
20	ASC	EPG	19 23 58.6				25	262	.2	
20	ASB	EPG	19 23 58.9				32	285	-1	
		ES	19 24 5.2						.0	
20	ASD	EPG	19 23 59.5				38	280	-0	
		IS	19 24 6.1						-1	
20	ASD	EP	20 01 35.6							
		ES	20 01 43.2							
20	ASC	EP	20 01 37.6							
20	20	39	50.90	51.68 N	180.00 E	DEPTH =	25.0 KM			FIXED DEPTH SOLUTION
				RAT ISLANDS, ALEUTIAN ISLANDS						
20	ASD	IPGD	20 40 .9	3.1	.1	1.58	57	53	-1	
20	ASB	IPGD	20 40 2.1	5.0	.1	1.96	63	55	.1	
		ES	20 40 10.0						-0	
20	ANA	EPG	20 40 6.3				93	86	-0	

SEP 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
20	21 18	25.81	51.41 N 178.67 W	DEPTH = 75.0 KM			FIXED DEPTH SOLUTION			
			DELAROF ISLANDS, ALEUTIAN ISLANDS							
20	ASD	IP C	21 18 47.5	6.9	.2		138	88	-.3	
		ES	21 19 3.5						-.4	
20	ASB	IP C	21 18 48.6	8.3	.2		145	87	.0	
		ES	21 19 5.6						.4	
20	ASC	EP	21 18 49.8				150	91	.6	
20	AND	EP	21 18 51.0				165	95	-.1	
20	ANA	EP	21 18 53.4				186	96	-.1	
20	22 39	35.93	51.23 N 178.11 E	DEPTH = 34.4 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
20	ANA	IPGD	22 39 46.8				58	221	-.0	
20	AND	IPGD	22 39 48.2				69	238	-.1	
20	ASC	EPG	22 39 49.8				78	251	.3	
20	ASB	IPGC	22 39 49.9	29.7	.2	2.82	80	260	.0	
		IS	22 40 .1						.0	
20	ASD	IPGC	22 39 50.7	10.9	.2	2.52	87	260	-.2	
		IS	22 40 1.7						-.1	
20	23 10	8.91	50.97 N 179.98 W	DEPTH = 50.0 KM			FIXED DEPTH SOLUTION			
			DELAROF ISLANDS, ALEUTIAN ISLANDS							
20	ASD	IP D	23 10 21.1				66	134	-.4	
20	ASB	IP D	23 10 21.7				70	129	-.2	
20	ASC	IP D	23 10 23.4				82	132	.1	OVERLOAD ON ALL
20	AND	IP C	23 10 25.8				100	131	.2	LEVELS.
20	ANA	IP C	23 10 28.4				120	127	.4	
20	ADK	EP	23 10 44.9				257	248	.0	
		ES	23 11 11.2						.0	
20	ASD	EP	23 44 26.5	2.8	.1					NO S.
20	ASB	EP	23 44 27.4							
20	ASC	EP	23 44 29.6							
20	AND	EP	23 44 32.2							
20	ANA	EP	23 44 35.2							
21	0 18	25.21	52.08 N 179.51 E	DEPTH = 176.9 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
21	AND	EP	00 18 50.2				70	33	-.1	
21	ASD	EP	00 18 50.6	1.7	.1		80	8	-.2	
21	ANA	IP D	00 18 50.7				78	49	-.0	
		ES	00 19 9.3						-.0	
21	ASC	EP	00 18 50.8				73	19	.3	
21	ASB	EP	00 18 51.0	1.1	.1		83	13	.0	
		ES	00 19 9.8						.0	
21	1 13	31.79	51.55 N 179.52 W	DEPTH = 99.6 KM			FREE DEPTH SOLUTION			
			DELAROF ISLANDS, ALEUTIAN ISLANDS							
21	ASD	EP	01 13 49.5	1.5	.1		81	76	-.1	
		ES	01 14 2.5						-.0	
21	ASB	EP	01 13 50.2	1.3	.1		88	76	.0	QP
		ES	01 14 3.6						.0	
21	ASC	EP	01 13 50.5				92	84	.0	QP
21	AND	EP	01 13 51.9				106	90	.1	
21	ANA	EP	01 13 53.8				126	93	-.1	

SEP 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
21	1	53	35.39	51.46 N	178.72 E	DEPTH = 66.7 KM				FREE DEPTH SOLUTION
				RAT ISLANDS, ALEUTIAN ISLANDS						
21	AND	IP	01 53 45.5				20	236	-.1	
		IS	01 53 53.1						.1	
21	ANA	IP	01 53 45.6				19	168	.1	
		IS	01 53 52.8						-.1	
21	ASC	IP	01 53 46.3				31	270	.2	
21	ASB	IP	01 53 46.7	6.5	.1		38	287	.1	
21	ASD	IP	01 53 46.9	8.0	.1		44	283	-.2	
21	ADK	EP	02 04 48.3							
		ES	02 04 59.6							
21	2	5	55.63	51.43 N	178.73 E	DEPTH = 0.0 KM				FREE DEPTH SOLUTION
				RAT ISLANDS, ALEUTIAN ISLANDS						
21	AND	IPG	02 05 59.5				21	226	.0	
		IS	02 06 2.2						-.1	
21	ANA	IPG	02 05 59.7				22	167	.0	
		ES	02 06 2.6						-.0	
21	ASC	IPG	02 06 1.3				30	264	.2	
21	ASD	EPG	02 06 3.2				43	278	-.2	N.W. END LOCAL- EX. EMERGENT, QP
21	2	6	59.42	51.37 N	179.50 E	DEPTH = 55.3 KM				FREE DEPTH SOLUTION
				RAT ISLANDS, ALEUTIAN ISLANDS						
21	ASD	IPGD	02 07 7.9				11	93	-.1	LARGE LOCAL
21	ASB	IPGC	02 07 8.2	289.9	.1		18	86	-.0	
		IS	02 07 14.6						-.0	
21	ASC	IPGC	02 07 8.8				26	113	.2	
21	AND	IPGC	02 07 9.9				44	119	-.1	
21	ANA	IPGC	02 07 12.2				65	115	.0	
21	ADK	EP	02 08 37.0							
		ES	02 09 6.1							
21	ASD	EPN	03 28 49.4							
		I(P)	03 28 50.1	10.2	.1					
21	ASB	EPN	03 28 50.1							
		I(P)	03 28 50.7	9.6	.1					
		E(S)	03 29 3.1							
21	ASC	EPN	03 28 51.7							
21	AND	EPN	03 28 54.1							
21	ANA	EPN	03 28 57.3							
21	ASD	EP	03 37 38.6							SMALL. NO S.
21	ASB	EP	03 37 39.1							
21	ASC	EP	03 37 40.6							
21	4	4	19.48	52.11 N	179.12 E	DEPTH = 156.4 KM				FREE DEPTH SOLUTION
				RAT ISLANDS, ALEUTIAN ISLANDS						
21	AND	IP C	04 04 41.7				62	11	-.2	
21	ANA	IP C	04 04 41.9				62	30	-.0	
21	ASD	IP D	04 04 42.9	2.9	.1		83	349	-.1	
		ES	04 05 .1						-.2	
21	ASC	EP	04 04 42.9				72	358	.5	
21	ASB	EP	04 04 43.0	2.0	.1		84	354	-.1	
		ES	04 05 .5						.2	

SEP 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
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21	ASD	EP	04 35 51.5							NO S.
21	ASC	EP	04 35 51.8							
21	ASB	IP	04 35 52.4							

.....
 21 5 28 21.10 51.26 N 179.77 E DEPTH = 25.0 KM FIXED DEPTH SOLUTION
 RAT ISLANDS, ALEUTIAN ISLANDS

21	ASD	EP	05 28 27.7				33	114	-.2	V. SMALL.
		IS	05 28 32.8						-.0	
21	ASB	EP	05 28 28.7				38	107	.1	
21	ASC	EP	05 28 30.1				48	118	.1	

.....
 21 ANA IPGC 05 44 20.5 V. LOCAL.
 IS 05 44 22.7
 21 AND IPGC 05 44 20.8
 IS 05 44 23.5
 21 ASC EPG 05 44 23.3
 21 ASB EPG 05 44 24.9 2.6 .1
 21 ASD EPG 05 44 25.3

21	ASD	IP	11 06 10.2	2.1	.1					
		I(S)	11 06 39.3							
21	ASB	EP	11 06 10.3							
		E(S)	11 06 39.3							

21	ASD	IP C	12 24 52.6	3.8	.1					
		IS	12 25 3.8							
21	ASB	IP C	12 24 52.8							

.....
 21 16 31 51.24 51.37 N 178.78 E DEPTH = 37.4 KM FREE DEPTH SOLUTION
 RAT ISLANDS, ALEUTIAN ISLANDS

21	AND	IPG	16 31 58.4				25	210	-.1	
21	ANA	IPG	16 31 58.9				30	164	-.0	
21	ASC	IPG	16 31 59.0				29	249	.2	
21	ASB	IPG	16 31 59.2	8.2	.1	1.12	33	272	-.0	
		ES	16 32 5.1						.0	
21	ASD	IPG	16 31 59.9	7.1	.1	1.35	39	269	-.1	
		ES	16 32 6.2						-.1	

.....
 21 ASB IP C 18 51 20.6 32.6 .2 VERY EMERGENT.

		IS	18 51 38.6							
21	ASD	IP C	18 51 20.7	16.9	.2					POSS.T PHASE.
		E(T)	18 51 47.3							

21	ASC	IP C	18 51 22.2							
21	AND	IP C	18 51 23.9							
21	ANA	EP	18 51 26.1							

21	ASD	E(P)	22 11 27.3							
21	ASB	E(P)	22 11 27.5							
21	ASC	E(P)	22 11 28.5							

21	AND	IP D	23 20 5.0							
		IS	23 20 14.7							

21	ANA	IP C	23 20 5.4							
21	ASC	IP	23 20 5.8							
21	ASB	IP	23 20 6.2	3.5	.1					
		ES	23 20 16.9							
21	ASD	IP	23 20 6.2	6.4	.1					

SEP 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
22	1	0	38.60	51.18 N	179.14 E	DEPTH = 39.0 KM	FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
22	ASB	IPGC	01 00 45.7	12.3	.1	.59	21	201	-.0	
		IS	01 00 50.9						-.0	
22	ASD	IPGC	01 00 46.1	16.2	.1	1.03	26	214	-.0	
		IS	01 00 51.6						.0	
22	ASC	IPGC	01 00 46.7				31	184	.1	
22	AND	IPGD	01 00 47.9				44	163	-.1	
22	ANA	IPGC	01 00 50.0				59	146	.1	
.....										
22	1	14	46.77	51.62 N	178.99 W	DEPTH = 75.0 KM	FIXED DEPTH SOLUTION			
DELAROF ISLANDS, ALEUTIAN ISLANDS										
22	ASD	EP	01 15 6.5	2.0	.1		119	76	-.0	
22	ASB	EP	01 15 7.3				125	76	-.0	
		ES	01 15 22.3						-.0	
22	ASC	EP	01 15 7.8				129	81	.1	
22	AND	IP	01 15 9.2				142	87	-.1	
.....										
22	1	50	15.23	51.68 N	179.25 E	DEPTH = 25.0 KM	FIXED DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
22	AND	EPG	01 50 21.0				24	57	-.0	
22	ASC	EPG	01 50 21.3				25	14	.2	
22	ASD	IPG	01 50 21.9	2.4	.1	.67	34	349	-.3	
		IS	01 50 28.0						.6	
22	ASB	IPG	01 50 22.5	2.6	.1	.76	36	0	.1	
		ES	01 50 27.1						-.5	
.....										
22	3	25	1.00	51.28 N	178.72 E	DEPTH = 25.0 KM	FIXED DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
22	AND	IP C	03 25 8.1				36	207	-.1	
22	ASB	EP	03 25 8.1				38	256	-.4	
		ES	03 25 14.0						.1	
22	ANA	IP	03 25 8.7				39	174	.1	
22	ASD	EP	03 25 9.8				45	256	.4	
		IS	03 25 15.5						-.1	
.....										
22	ANA	IP D	06 07 26.2							
22	AND	EP	06 07 28.6							
22	ASC	EP	06 07 31.7							
22	ASB	EP	06 07 31.9	160.5	.2					
		ES	06 08 12.6							
22	ASD	IP	06 07 33.4	39.8	.2					
		IS	06 08 13.2							
22	ANA	EP	09 27 51.8							
		IS	09 28 14.6							
22	AND	EP	09 27 54.1							
22	ASB	EP	09 27 58.2							
22	ASD	EP	09 27 58.8	9.1	.3					
		IS	09 28 26.5							

SEP 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
22	9 43 46.46		51.31 N 179.78 E	DEPTH = 56.5 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
22	ASD	IP D	09 43 56.2	15.1	.1		32	104	-.0	
22	ASB	EP	09 43 56.6	8.9	.1		38	99	-.1	
		IS	09 44 4.1						-.0	
22	ASC	IP	09 43 57.6				46	112	.2	
		IS	09 44 5.4						.0	
22	AND	IP D	09 43 59.0				64	116	-.2	
22	ANA	EP	09 44 1.7				86	114	.1	
.....										
22	ASD	EPN	09 52 58.9							
		IPG	09 53 2.8	4.3	.1					
		ES	09 53 22.8							
22	ASB	EP	09 53 1.4							
		IS	09 53 24.4							
22	ASC	EP	09 53 2.3							
		IS	09 53 26.9							
22	AND	IPGC	10 19 58.0							
		IS	10 20 5.5							
22	ASC	EPG	10 19 58.8							
22	ASD	EPG	10 19 59.3							
22	ASD	EP	14 06 2.4	3.6	.1					VERY EMERGENT S
		E(S)	14 06 59.2							
22	ASB	EP	14 06 3.1	3.6	.1					
22	ASC	EP	14 06 4.2							
22	ASD	IPG	16 59 32.8	2.8	.1					
22	ASB	EPG	16 59 33.4	3.4	.1					
		ES	16 59 42.1							
22	ASC	EPG	16 59 35.1							
22	AND	IPG	16 59 37.6							
22	ANA	EP	17 11 32.4							VERY POOR.
		I(S)	17 11 49.0							
22	ASC	EP	17 11 37.6							
22	ASD	EP	17 11 38.4							
.....										
22	19 23 54.56		51.47 N 179.40 W	DEPTH = 143.9 KM			FREE DEPTH SOLUTION			
DELAROF ISLANDS, ALEUTIAN ISLANDS										
22	ASD	EP	19 24 17.1				88	83	-.0	POOR. S UNCERT.
		ES	19 24 33.6						-.0	
22	ASB	EP	19 24 17.6				95	82	-.0	
22	ASC	EP	19 24 18.0				99	89	.0	
22	AND	EP	19 24 19.1				114	94	-.0	
.....										
22	20 38 39.68		51.99 N 178.68 W	DEPTH = 200.0 KM			FIXED DEPTH SOLUTION			
DELAROF ISLANDS, ALEUTIAN ISLANDS										
22	ASD	IP	20 39 12.6	3.5	.1		152	63	.0	
		IS	20 39 36.8						.2	
22	ASB	EP	20 39 13.1	8.3	.1		159	63	.0	
		IS	20 39 37.1						-.4	
22	ASC	EP	20 39 13.1				160	68	-.0	
		IS	20 39 37.7						.2	
22	AND	EP	20 39 13.9				170	73	-.0	
.....										
22	ASB	IP D	21 10 51.6	28.5	.2					
		IS	21 11 6.8							
22	ASD	IP D	21 10 52.4	5.5	.1					

SEP 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
22	ASC	IS	21 11 7.5							
22	ASC	IP	21 10 53.0							
22	AND	IS	21 11 10.2							
22	AND	EP	21 10 54.0							
22	ANA	IP D	21 10 55.1							
22	AND	EP	21 30 56.9							
22	ASC	EP	21 30 57.7							
22	ASD	EP	21 30 58.7	1.7	.1					
22		IS	21 31 5.5							
22	AND	EP	22 00 45.0							
22	ASD	EP	22 00 45.4	.6	.1					
22	ASB	EP	22 00 45.6	2.0	.1					
22	ASC	EP	22 00 45.6							

22	22 29 41.48	51.59 N 179.94 E	DEPTH = 67.3 KM	FREE DEPTH SOLUTION						
RAT ISLANDS, ALEUTIAN ISLANDS										
22	ASD	EPG	22 29 53.4	1.7	.1		48	60	-.1	
		ES	22 30 2.3						.0	
22	ASP	IPGC	22 29 54.1	3.3	.1		54	62	.0	
		ES	22 30 3.2						-.0	
22	ASC	EPG	22 29 54.3				56	75	.1	
22	AND	EPG	22 29 55.3				68	87	-.1	
22	ANA	IPGD	22 29 57.5				88	92	.0	

22	22 35 49.80	52.36 N 169.54 W	DEPTH = 33.0 KM	MB = 4.6	TELESEISMIC SOLUTION						
FOX ISLANDS, ALEUTIAN ISLANDS											
22	ADK	IP	22 36 56.4				486	81			
		ES	22 37 46.2								
22	ASD	EP	22 37 30.8	25.6	.2		774	78			
		ES	22 38 49.4								
22	ASE	IP D	22 37 32.3	44.5	.2		780	77			
22	ASC	IP	22 37 33.1				784	78			
22	AND	EP	22 37 34.5				796	79			
22	ANA	IP C	22 37 37.0				815	80			

23	ADK	IP	00 01 49.6							
		ES	00 01 58.2							

23	1 32 56.51	51.69 N 179.55 E	DEPTH = 52.7 KM	FREE DEPTH SOLUTION						
RAT ISLANDS, ALEUTIAN ISLANDS										
23	ASC	EPG	01 33 6.3				37	46	-.0	
23	ASD	EPG	01 33 6.4	2.4	.1		38	22	-.0	
23	ASB	EPG	01 33 6.8				43	29	-.0	
		ES	01 33 14.3						-.0	

23	ANA	IP C	01 33 59.9							
23	AND	EP	01 34 2.0							
23	ASC	EP	01 34 3.7							
23	ASB	IP	01 34 4.1	17.8	.1					
		IL	01 34 37.2							
		O	00 00 0.0							
23	ASD	IPND	01 34 4.9							
		IP	01 34 7.1	13.7	.1					
		IL	01 34 38.0							

SEP 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
23	4 44	46.85	51.44 N 179.65 E	DEPTH = 16.6 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
23	ASD	EPG	04 44 51.7				23	71	-.0	SMALL LOCAL
		ES	04 44 55.3						.0	
23	ASB	EPG	04 44 52.7	2.2	.1	.39	30	72	.0	
		IS	04 44 56.9						-.0	
23	ASC	EPG	04 44 53.3				34	93	.0	
		ES	04 44 58.0						.0	
.....										
23	6 27	22.64	51.94 N 179.20 W	DEPTH = 25.0 KM			FIXED DEPTH SOLUTION			
DELAROF ISLANDS, ALEUTIAN ISLANDS										
23	ASD	IP C	06 27 41.8	2.1	.1	2.60	119	58	-.2	
		ES	06 27 56.2						.1	
23	ASB	EP	06 27 42.9	4.0	.1	2.96	125	58	-.1	
		ES	06 27 57.6						-.1	
23	ASC	EP	06 27 43.5				125	64	.6	
23	AND	EP	06 27 43.7				134	71	-.6	QP
23	ANA	EP	06 27 47.1				151	76	.2	QP
.....										
23	ASD	EP	06 59 27.4	2.9	.2					
		ES	06 59 45.1							
23	ASB	EP	06 59 28.3	4.1	.2					
23	ASC	EP	06 59 30.3							
23	ASB	EP	07 49 41.1							
		ES	07 49 58.3							
23	ASD	EP	07 49 41.6							POOR, EMERGENT
23	ASD	EPG	08 08 30.2							SMALL LOCAL
		ES	08 08 38.6							
23	ANA	EP	08 23 55.5							
		IP	08 23 56.6							
23	ASD	EP	08 52 48.4	2.9	.2					REG. OR TELE
23	ASB	EP	08 52 49.0	9.6	.3					NO S VISIBLE
23	ASC	EP	08 52 49.6							
23	AND	EP	08 52 51.1							
23	ANA	EP	08 52 53.3							
.....										
23	8 57	37.71	51.13 N 178.85 E	DEPTH = 25.0 KM			FIXED DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
23	ASB	EPG	08 57 45.2				38	227	.0	SMALL LOCAL
		ES	08 57 50.6						-.0	
23	ASD	EPG	08 57 46.0				44	231	-.0	
		ES	08 57 52.0						-.1	
23	ASC	EPG	08 57 46.1				43	211	.2	
		ES	08 57 52.0						.1	
23	AND	EPG	08 57 46.6				49	188	-.1	
.....										
23	10 51	9.02	51.45 N 179.24 E	DEPTH = 33.0 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
23	ASD	IPGD	10 51 14.5	5.3	.1	-.90	10	318	-.1	VERY NICE LOCAL
23	ASB	IPGD	10 51 14.6	14.6	.1		10	357	-.0	
		IS	10 51 18.7						.0	
23	ASC	IPGD	10 51 14.7				6	109	.2	
23	AND	IPG	10 51 15.6				24	123	-.0	
		ES	10 51 20.3						-.1	

SEP 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
23	ANA	EPG	10 51 18.0				45	116	-0	
.....										
23	12	6	39.60	58.41 N	155.37 W	DEPTH = 100.0 KM	MB = 4.6	TELESEISMIC SOLUTION		
ALASKA PENINSULA										
23	GMA	EP	12 08 33.4				841	156		
23	ADK	EP	12 09 50.5				1528	53		
23	ASD	IP	12 10 20.7	13.2	.2		1789	54		
		EL	12 13 9.0							
23	ASB	IP	12 10 21.1	21.6	.3		1796	54		
23	ASC	IP	12 10 22.1				1794	55		
23	AND	EP	12 10 22.3				1799	55		
23	ANA	EP	12 10 23.9				1812	55		
.....										
23	12	4	54.20	6.47 S	154.62 E	DEPTH = 39.0 KM	MB = 5.7	MS = 6.5	TELESEISMIC SOLUTION	
SOLOMON ISLANDS										
23	ASE	EP	12 15 7.3				6824	208		
23	ASD	EP	12 15 7.6				6828	208		TELE
23	AND	EP	12 15 7.8				6834	208		
23	ADK	EP	12 15 19.7				7020	212		ER 123500.0
		ES	12 23 50.0							
		EL	12 31 20.0							
.....										
23	12	27	3.09	51.16 N	178.63 E	DEPTH = 50.0 KM	FIXED DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
23	AND	EPG	12 27 13.5				50	207	-.4	
		ES	12 27 21.9						.1	
23	ASC	EPG	12 27 14.1				50	228	.2	
23	ANA	EPG	12 27 14.3				52	183	.2	
23	ASD	EPG	12 27 14.5				55	245	.0	POOR
.....										
23	ANA	EPG	16 08 44.9							
		ES	16 08 50.8							
23	ASD	EPG	16 08 53.8							
.....										
23	ANA	IPGD	16 32 39.5							
		ES	16 32 42.8							
23	AND	IPG	16 32 40.9							
		ES	16 32 45.0							
23	ASC	IPG	16 32 42.7							
23	ASB	EPG	16 32 43.0							
23	ASD	EPG	16 32 44.1							
.....										
23	18	5	28.18	51.32 N	179.83 E	DEPTH = 33.7 KM	FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
23	ASD	IPG	18 05 35.9	3.9	.1	.88	34	100	-.1	
		IS	18 05 41.6						-.0	
23	ASB	EPG	18 05 36.8	2.6	.1	.97	41	96	.1	
		ES	18 05 42.8						-.1	
23	ASC	IPGD	18 05 37.8				49	108	.1	
		ES	18 05 44.8						.1	
23	AND	EPG	18 05 40.0				66	113	-.1	
.....										

SEP 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
23	18	8 48.17	51.98 N 179.29 W	DEPTH = 25.0 KM			FIXED DEPTH SOLUTION			
			DELAROF ISLANDS, ALEUTIAN ISLANDS							
23	ASD	IP D	18 09 6.9	14.3	.1	3.40	116	54	-.2	
		IS	18 09 21.0						.1	
23	ASC	IP D	18 09 8.0				122	61	.1	
23	ASB	IP D	18 09 8.1	103.6	.2	4.04	123	55	.0	
		ES	18 09 22.8						.2	
23	AND	IP C	18 09 9.1				130	68	-.1	
		ES	18 09 24.2						-.3	
23	ANA	EP	18 09 11.9				147	74	.2	
23	18	45 27.86	51.08 N 178.82 E	DEPTH = 0.0 KM			FIXED DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
23	ASD	EPG	18 45 36.3				49	228	-.5	SMALL LOCAL
23	ASB	EPG	18 45 36.3				43	224	.6	
		ES	18 45 41.4						-.0	
23	ASC	EPG	18 45 36.7				49	210	-.0	
23	AND	EPG	18 45 37.7				54	190	-.1	
23	20	27 .46	51.21 N 178.52 E	DEPTH = 30.6 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
23	ANA	IPGD	20 27 9.6				48	192	-.0	
23	AND	IPGD	20 27 9.9				50	218	-.0	
23	ASB	IPGC	20 27 10.4	35.7	.1	2.55	54	252	-.0	
		ES	20 27 17.8						.1	
23	ASC	IPG	20 27 10.6				53	238	.2	
23	ASD	IPGC	20 27 11.3	1.5	.1	1.38	60	252	-.1	
		ES	20 27 19.2						-.1	
23	ANA	EP	21 01 22.8							
		ES	21 01 48.4							
23	ASB	EP	21 01 25.2	2.7	.1					
		ES	21 01 52.4							
23	ASD	EP	21 01 26.0							
23	21	2 54.60	51.35 N 179.42 W	DEPTH = 43.0 KM MB = 5.2			TELESEISMIC SOLUTION			
			DELAROF ISLANDS, ALEUTIAN ISLANDS							
23	ASD	IP C	21 03 8.7				86	91	-.8	ALL OVERLOADED
23	ASB	IP C	21 03 9.4				93	90	-.9	FELT
23	ASC	IP D	21 03 11.0				99	97	-.1	
23	AND	IP C	21 03 13.3				116	101	.2	
23	ANA	IP C	21 03 16.1				137	102	.4	
23	ADK	IP D	21 03 24.6				205	254	.5	ML5.4 D2.0 FELT
		IS	21 03 49.4						3.8	
23	GMA	EP	21 06 54.0				1887	222	2.2	
23	ASD	IP C	21 07 34.0	49.4	.2					
		IS	21 07 44.9							
23	ASB	IP C	21 07 34.8	42.3	.2					
		ES	21 07 46.1							
23	ASC	IP	21 07 36.4							
23	AND	EP	21 07 39.4							QP
23	ANA	EP	21 07 42.5							QP

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SEP 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
23	21 9	21.45	50.98 N 179.49 W	DEPTH = 25.0 KM						FIXED DEPTH SOLUTION
			DELAROF ISLANDS, ALEUTIAN ISLANDS							
23	ASD	EP	21 09 36.9	3.5	.1	2.42	92	118	.1	
		ES	21 09 48.2						.2	
23	ASB	EP	21 09 37.6	2.5	.1	2.36	98	115	.0	
		ES	21 09 49.2						-.2	
23	ASC	EP	21 09 39.1				108	119	-.0	
23	AND	EP	21 09 41.7				126	120	-.2	
23	ANA	EP	21 09 45.2				147	118	.1	
23	21 10	11.62	51.19 N 178.49 E	DEPTH = 25.0 KM						FIXED DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
23	ANA	IPGD	21 10 20.8				51	194	-.0	
23	AND	IPGD	21 10 21.1				53	218	-.1	
23	ASE	IPGC	21 10 21.6	72.5	.1	2.93	56	250	-.0	
		IS	21 10 29.0						.1	
23	ASC	IPGC	21 10 21.9				56	237	.3	
23	ASD	IPGC	21 10 22.5	20.9	.1	2.57	63	251	-.1	
		ES	21 10 30.5						-.1	
23	ASD	EP	21 12 52.5	1.3	.1					
		ES	21 13 3.6							
23	ASB	EP	21 12 53.3							
23	ASC	EP	21 12 54.9							
23	21 13	24.85	50.88 N 179.57 W	DEPTH = 25.0 KM						FIXED DEPTH SOLUTION
			DELAROF ISLANDS, ALEUTIAN ISLANDS							
23	ASD	EP	21 13 40.4	2.7	.1	2.32	94	126	-.0	POOR
		ES	21 13 51.8						.0	
23	ASB	EP	21 13 41.1	2.4	.1	2.35	98	123	-.0	
23	ASC	EP	21 13 42.8				109	126	.0	
		ES	21 13 55.8						-.0	
23	21 14	21.20	51.15 N 178.50 E	DEPTH = 0.0 KM						FIXED DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
23	ANA	EP	21 14 30.9				54	192	-.2	
23	ASB	EP	21 14 31.6	2.3	.1	1.46	57	246	.0	
		ES	21 14 39.0						-.1	
23	AND	EP	21 14 31.6				56	214	.3	
23	ASC	EP	21 14 31.9				58	233	.2	
23	ASD	EP	21 14 32.6				64	247	-.2	
23	21 15	24.81	50.92 N 179.64 W	DEPTH = 50.0 KM						FIXED DEPTH SOLUTION
			DELAROF ISLAND, ALEUTIAN ISLANDS							
23	ASD	EP	21 15 39.6	2.2	.1	2.13	87	125	-.3	
23	ASB	EP	21 15 40.4	2.1	.1	2.18	92	122	-.1	
		ES	21 15 52.0						.1	
23	ASC	EP	21 15 42.1				103	125	.3	
		ES	21 15 54.1						-.1	
23	AND	EP	21 15 44.2				121	126	.1	

SEP 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
23	21 20	10.29	50.92 N 179.61 W	DEPTH = 25.0 KM				FIXED DEPTH SOLUTION		
	DELAROF ISLANDS, ALEUTIAN ISLANDS									
23	ASD	EP	21 20 25.2	2.0	.1	2.11	90	125	-.0	
		ES	21 20 36.1						-.0	
23	ASB	EP	21 20 25.9	1.3	.1	2.02	94	121	-.0	
		ES	21 20 37.3						.0	
23	ASC	EP	21 20 27.6				105	125	.0	
23	ASD	IP C	21 24 33.2	6.0	.1					
23	ASB	IP C	21 24 34.0	4.1	.1					
		ES	21 24 45.4							
23	ASC	IP C	21 24 35.6							
23	AND	EP	21 24 37.9							
23	ANA	EP	21 24 42.1							
23	21 28	3.14	51.53 N 179.46 E	DEPTH = 147.8 KM				FREE DEPTH SOLUTION		
	RAT ISLANDS, ALEUTIAN ISLANDS									
23	ASD	IP D	21 28 22.8	1.3	.1		19	25	-.3	
23	ASB	IP D	21 28 23.3	3.9	.1		24	38	.1	
		ES	21 28 37.8						-.0	
23	ASC	EP	21 28 23.4				22	70	.3	
23	ANA	EP	21 28 24.2				56	101	-.1	QP
23	ASD	IP C	21 31 12.6	9.8	.1					
		IS	21 31 23.5							
23	ASB	IP D	21 31 13.4	5.0	.1					
		ES	21 31 24.8							
23	ASC	IP C	21 31 14.9							
23	AND	IP	21 31 17.6							
23	ANA	EP	21 31 20.6							QP
23	ASD	EP	21 32 19.1							
23	ASC	EP	21 32 21.3							
		E(S)	21 32 33.7							
23	ASD	EP	21 32 47.0	1.8	.1					
23	ASB	EP	21 32 47.8	1.9	.1					
		E(S)	21 33 1.3							
23	ASC	EP	21 32 49.4							
23	ASD	EP	21 34 27.9							
		IP	21 34 30.5	5.6	.2					
23	ASB	EP	21 34 28.9	1.3	.1					
23	ASC	EP	21 34 29.8							
23	AND	EP	21 34 31.7							
23	21 43	47.30	51.11 N 179.58 W	DEPTH = 25.0 KM				FIXED DEPTH SOLUTION		
	DELAROF ISLANDS, ALEUTIAN ISLANDS									
23	ASD	IP C	21 44 1.0	9.1	.1	2.62	81	111	.0	
		ES	21 44 10.9						-.0	
23	ASB	IP D	21 44 1.7	5.3	.1	2.49	86	108	-.1	
23	ASC	IP C	21 44 3.2				96	113	.0	
23	AND	EP	21 44 5.5				114	116	-.4	
23	ANA	EP	21 44 9.5				135	114	.4	QP

SEP 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
23	21 45	58.22	51.28 N 179.85 E	DEPTH = 25.0 KM			FIXED DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
23	ASD	IPG	21 46 5.8	2.7	.1	.82	37	107	.3	
23	ASB	IPG	21 46 6.1				43	102	-.2	
		ES	21 46 12.3						.0	
23	ASC	EPG	21 46 7.8				52	113	.2	
23	AND	EPG	21 46 10.0				70	117	-.2	
.....										
.....										
23	21 47	27.71	50.95 N 179.57 W	DEPTH = 25.0 KM			FIXED DEPTH SOLUTION			
DELAROF ISLANDS, ALEUTIAN ISLANDS										
23	ASD	EP	21 47 42.7	2.8	.2	1.97	90	122	.0	
		I(S)	21 47 53.6						.0	
23	ASB	EP	21 47 43.4	1.9	.1	2.19	94	119	.0	
23	ASC	EP	21 47 45.0				105	123	-.0	
.....										
23	ASD	EP	21 48 17.7	2.9	.1					
23	ASC	EP	21 48 19.3							
		E(S)	21 48 31.4							
.....										
23	21 50	35.97	51.07 N 179.46 W	DEPTH = 25.0 KM			FIXED DEPTH SOLUTION			
DELAROF ISLANDS, ALEUTIAN ISLANDS										
23	ASD	IP C	21 50 51.1	5.0	.1	2.54	90	112	.1	
		IS	21 51 2.2						.2	
23	ASB	EP	21 50 51.8	2.6	.1	2.35	96	109	-.0	
		ES	21 51 3.2						-.2	
23	ASC	EP	21 50 53.4				105	114	.1	
23	AND	EP	21 50 55.6				123	116	-.4	
23	ANA	EP	21 50 59.4				145	115	.2	
.....										
23	ASD	EP	21 51 45.4	2.7	.1					
		ES	21 51 55.6							
23	ASC	EP	21 51 47.6							
.....										
23	21 57	22.51	50.94 N 179.56 W	DEPTH = 25.0 KM			FIXED DEPTH SOLUTION			
DELAROF ISLANDS, ALEUTIAN ISLANDS										
23	ASD	EP	21 57 37.6	1.4	.1	1.98	90	122	.0	
23	ASB	EP	21 57 38.3	2.2	.2	1.96	95	119	.0	
		ES	21 57 49.8						.0	
23	ASC	EP	21 57 39.9				106	123	.0	
.....										
23	ASD	EP	22 14 22.6	1.3	.1					
23	ASB	EP	22 14 23.8							
23	ASC	EP	22 14 24.8							
23	ASD	IP D	22 26 34.8	2.4	.1					
23	ASB	IP	22 26 35.5	1.4	.1					
		ES	22 26 47.3							
23	ASC	IP	22 26 37.1							
23	AND	EP	22 26 39.6							
.....										
23	22 48	33.80	13.51 N 90.09 W	DEPTH = 80.0 KM MB = 4.7			TELESEISMIC SOLUTION			
NEAR COAST OF GUATEMALA										
23	ADK	EP	23 00 21.6				8600	84		
23	ASD	IP D	23 00 35.9				8888	81		TELE
23	ASB	IP D	23 00 36.3				8895	81		

SEP 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
23	ASC	EP	23 00 36.5				8899	81		QP
23	AND	IP D	23 00 36.9				8911	81		
.....										
23	22 56	.10	13.52 N	90.08 W	DEPTH =	83.0 KM	MB = 4.6			TELESEISMIC SOLUTION
NEAR COAST OF GUATEMALA										
23	ASD	IP D	23 08 2.0				8888	81		TELE
23	ASB	IP D	23 08 2.4				8895	81		
23	ASC	IP D	23 08 2.6				8899	81		
23	AND	IP D	23 08 3.0				8911	81		
23	ANA	EP C	23 08 4.4				8930	81		QP
.....										
23	23 17 29.53		51.09 N	179.44 W	DEPTH =	25.0 KM				FIXED DEPTH SOLUTION
DELAROF ISLANDS, ALEUTIAN ISLANDS										
23	ASD	IP D	23 17 44.6	5.5	.1	2.58	90	110	-0	
	IS		23 17 55.6						-0	
23	ASB	IP C	23 17 45.4	4.9	.1	2.63	96	108	-1	
23	ASC	IP	23 17 46.9				105	113	.1	
23	AND	EP	23 17 49.1				123	115	-4	
23	ANA	EP	23 17 53.2				145	114	.5	
.....										
23	23 11 58.50		6.55 S	154.68 E	DEPTH =	47.0 KM	MB = 5.3	MS = 5.9		TELESEISMIC SOLUTION
SOLOMON ISLANDS										
23	ASD	EP	23 22 11.7				6835	208		TELE
23	ASC	EP	23 22 12.0				6837	208		
23	ADK	EP	23 22 23.3				7026	212		
.....										
24	ASD	EPG	01 01 52.6	9.1	.1					
	IS		01 02 3.6							
24	ASB	EPG	01 01 53.4	5.0	.1					
	IS		01 02 6.6							
24	ASC	IPG	01 01 55.0							
24	AND	EPG	01 01 57.9							
24	ANA	IPG	01 02 1.1							
.....										
24	2 46 38.81		51.43 N	178.81 E	DEPTH =	45.6 KM				FREE DEPTH SOLUTION
RAT ISLANDS, ALEUTIAN ISLANDS										
24	AND	IPG	02 46 46.4				17	214	-1	
	IS		02 46 51.9						-2	
24	ANA	IPGD	02 46 47.0				24	154	.1	
24	ASC	IPGD	02 46 47.1				25	263	.2	
24	ASB	IPGD	02 46 47.3				31	285	-2	
	IS		02 46 53.9						.1	
24	ASD	IPGD	02 46 48.0				37	280	-0	
	IS		02 46 54.9						.1	
.....										
24	2 52 43.33		51.59 N	179.25 W	DEPTH =	25.0 KM				FIXED DEPTH SOLUTION
DELAROF ISLANDS, ALEUTIAN ISLANDS										
24	ASD	EP	02 52 59.3				101	76	-6	SMALL.
	IS		02 53 10.0						-2.0	
24	ASC	EP	02 53 1.5				111	82	.0	
	ES		02 53 14.7						.0	
24	ASB	EP	02 53 1.6				107	76	.6	

SEP 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
24	3	4	29.68	51.57 N	179.64 W	DEPTH = 25.0 KM	FIXED DEPTH SOLUTION			
DELAROF ISLANDS, ALEUTIAN ISLANDS										
24	ASD	EP	03 04 42.1				74	73	-.2	
24	ASB	EP	03 04 43.3	6.0	.2	2.13	81	73	.0	
		ES	03 04 53.2						-.0	
24	ASC	EP	03 04 44.1				84	82	.3	
24	ANA	EP	03 04 48.7				118	93	-.1	
.....										
.....										
24	4	2	9.93	52.53 N	179.48 W	DEPTH = 200.0 KM	FIXED DEPTH SOLUTION			
DELAROF ISLANDS, ALEUTIAN ISLANDS										
24	ASD	EP	04 02 42.7				152	32	-.1	UNUSUAL FIRST
		I	04 02 43.1	7.8	.1					
		IS	04 03 6.5						-.2	
24	AND	EP	04 02 42.7				152	44	-.1	MOTION. DEEP
24	ASC	EP	04 02 42.9				151	38	.2	LOCAL.
		I	04 02 43.1							
		IS	04 03 7.0						.4	
24	ASB	EP	04 02 43.2				157	33	.0	
		I	04 02 43.4	7.3	.1					
		IS	04 03 7.3						-.1	
24	ANA	EP	04 02 43.5				162	51	-.1	
.....										
SMALL AMP.										
24	ASD	EPG	05 05 38.2							
24	ASB	EPG	05 05 39.4							
		ES	05 05 50.8							
24	ASC	EPG	05 05 40.6							
		ES	05 05 53.9							
24	AND	IPG	05 59 27.8							
24	ASC	IPG	05 59 28.7							
24	ASD	EPG	05 59 29.5	1.0	.1					
		IS	05 59 37.7							
.....										
24	6	29	35.70	6.63 S	154.73 E	DEPTH = 42.0 KM MB = 5.1 MS = 5.4	TELESEISMIC SOLUTION			
SCLAMON ISLANDS										
24	ADK	EP	06 40 1.5				7033	212		
.....										
24	ASD	EPN	08 38 29.7							
		IP	08 38 32.5	4.8	.1					
		I(S)	08 38 44.3							
24	ASB	EPN	08 38 30.4							
24	ASC	EPN	08 38 31.9							
		IP	08 38 33.4							
		I(S)	08 38 47.3							
.....										
24	8	51	31.89	51.75 N	179.95 W	DEPTH = 25.0 KM	FIXED DEPTH SOLUTION			
DELAROF ISLANDS, ALEUTIAN ISLANDS										
24	ASD	EP	08 51 42.7				64	50	-.4	
24	ASB	EP	08 51 43.7	10.4	.3	1.97	70	52	-.3	
		E(S)	08 51 53.1						.3	
24	ASC	EP	08 51 44.4				69	63	.6	
24	AND	EP	08 51 44.7				79	75	-.5	
		ES	08 51 55.7						.8	
24	ANA	EP	08 51 48.6				97	82	.7	
		ES	08 51 58.5						-1.1	
.....										

SEP 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
24	9	7	51.92	52.15 N	178.48 E	DEPTH = 144.0 KM				FREE DEPTH SOLUTION
				RAT ISLANDS, ALEUTIAN ISLANDS						
24	ANA	EP	09 08 13.3				60	348	.5	SMALL AMP.
		IS	09 08 27.7						-.4	
24	AND	EP	09 08 13.3				73	334	-.3	
24	ASC	EP	09 08 14.7				90	329	.1	
24	ASB	EP	09 08 15.2				103	329	-.4	
		ES	09 08 33.0						.2	
24	ASD	EP	09 08 15.8				105	326	.1	
		IS	09 08 33.3						.2	
24	9	23	56.12	51.43 N	179.48 E	DEPTH = 60.1 KM				FREE DEPTH SOLUTION
				RAT ISLANDS, ALEUTIAN ISLANDS						
24	ASD	IPGD	09 24 5.1	26.2	.1		11	59	-.1	
		IS	09 24 12.0						.1	
24	ASB	IPGC	09 24 5.5	31.2	.1		18	65	.1	
		IS	09 24 12.1						-.1	
24	ASC	IPGC	09 24 5.8				22	100	.2	
24	AND	IPGC	09 24 6.6				39	112	-.2	
24	ANA	IPGC	09 24 8.8				61	111	.1	
24	10	38	11.77	51.13 N	178.65 E	DEPTH = 12.3 KM				FREE DEPTH SOLUTION
				RAT ISLANDS, ALEUTIAN ISLANDS						
24	ASB	IPGC	10 38 20.5	13.7	.1	1.99	49	238	.1	
		ES	10 38 26.6						-.1	
24	AND	IPGD	10 38 20.9				53	204	-.1	
		ES	10 38 27.8						.1	
24	ASC	IPGD	10 38 21.0				52	224	.2	
24	ASD	IPGC	10 38 21.3	8.3	.1	1.97	56	240	-.1	
24	ANA	IPGD	10 38 21.4				56	181	-.0	
24	ASD	EP	11 08 40.3							SMALL. NO S.
24	ASB	EP	11 08 40.7							
24	ASC	EP	11 08 43.0							
24	ADK	IP D	11 43 25.4							
		IS	11 43 33.7							
24	ASD	EP	11 43 59.9	6.2	.1					
		ES	11 44 42.1							
24	ASB	EP	11 44 .9	8.3	.1					
		ES	11 44 44.4							
24	ASC	IP D	11 44 1.7							
24	AND	EP	11 44 4.4							
24	ANA	EP	11 44 6.0							
24	12	4	40.95	51.90 N	178.51 E	DEPTH = 103.8 KM				FREE DEPTH SOLUTION
				RAT ISLANDS, ALEUTIAN ISLANDS						
24	ANA	IPG	12 04 56.0				32	341	.0	
		IS	12 05 6.8						-.1	
24	AND	IPG	12 04 56.8				49	321	.0	
24	ASC	EPG	12 04 58.1				67	317	.2	
24	ASB	IPG	12 04 58.8	11.0	.1		79	320	-.1	

SEP 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
24	12 44	14.39	51.85 N 178.32 E	DEPTH = 93.9 KM		FREE DEPTH SOLUTION				
RAT ISLANDS, ALEUTIAN ISLANDS										
24	ANA	IPGC	12 44 28.4				35	317	.0	
		IS	12 44 38.6						.0	
24	AND	EPG	12 44 29.4				54	307	-.1	
		IS	12 44 40.2						-.4	
24	ASC	EPG	12 44 31.2				73	307	.3	
		IS	12 44 43.5						.5	
24	ASB	EPG	12 44 32.0	1.5	.1		84	311	.1	
		ES	12 44 44.5						-.2	
24	ASD	EPG	12 44 32.0	1.7	.1		88	307	-.3	
.....										
24	13 8	52.66	52.28 N 179.73 E	DEPTH = 200.0 KM		FIXED DEPTH SOLUTION				
RAT ISLANDS, ALEUTIAN ISLANDS										
24	AND	IP	13 09 21.6				96	33	-.1	
24	ASD	IP	13 09 22.0	10.6	.1		104	15	-.2	
		IS	13 09 43.6						-.2	
24	ANA	IP	13 09 22.1				103	45	-.0	
24	ASC	IP	13 09 22.3				99	23	.4	
24	ASB	IP	13 09 22.4	19.6	.1		108	18	-.0	
		IS	13 09 44.3						.2	
.....										
24	13 18	39.39	51.86 N 179.08 E	DEPTH = 92.7 KM		FREE DEPTH SOLUTION				
RAT ISLANDS, ALEUTIAN ISLANDS										
24	AND	IPGC	13 18 53.1				34	15	-.1	
		IS	13 19 3.2						-.1	
24	ANA	IPG	13 18 53.5				39	48	.1	
24	ASC	IPG	13 18 54.0				44	353	.2	
24	ASB	IPGD	13 18 54.4	2.7	.1		57	349	-.2	
		IS	13 19 5.7						.1	
24	ASD	IPG	13 18 54.5	8.4	.1		57	342	-.0	
.....										
24	15 51	11.98	51.45 N 177.67 E	DEPTH = 150.0 KM		FIXED DEPTH SOLUTION				
RAT ISLANDS, ALEUTIAN ISLANDS										
24	ANA	IP C	15 51 34.2				72	254	.0	
		I(S)	15 51 50.4						.0	
24	AND	IP C	15 51 35.2				90	262	-.1	
24	ASC	EP	15 51 36.4				104	270	.1	
24	ASB	EP	15 51 36.9	1.6	.1		110	276	.1	
24	ASD	IP	15 51 37.1	1.7	.1		116	275	-.2	
.....										
24	ADK	E	16 47 33.7							
24	ASD	IPGC	16 53 21.8	6.2	.1					
24	ASE	EPG	16 53 22.7	5.4	.1					
24	ASC	IPG	16 53 24.2							
		IS	16 53 39.0							
24	AND	EPG	16 53 26.5							
24	ANA	EPG	16 53 29.4							
.....										
24	17 28	15.67	52.54 N 178.54 E	DEPTH = 150.0 KM		FIXED DEPTH SOLUTION				
RAT ISLANDS, ALEUTIAN ISLANDS										
24	ANA	IP D	17 28 39.8				102	355	-.0	
24	AND	EP	17 28 40.5				112	345	-.1	
24	ASC	EP	17 28 42.1				127	340	.3	

SEP 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
24	ASD	EP	17 28 42.8	2.8	.1		140	337	-.2	
		IS	17 29 2.9						-.0	
24	ASB	EP	17 28 42.9				140	340	-.0	
24	ASD	IP D	17 31 32.5	13.3	.2					
24	ASB	EP	17 31 33.1	15.5	.2					
		IS	17 31 44.3							
24	ASC	IP C	17 31 34.7							
24	AND	EP	17 31 37.2							
24	ANA	EP	17 31 40.2							
24	ANA	IP	17 32 13.3							
24	AND	IP	17 32 15.1							
24	ASB	IP	17 32 16.7	6.5	.1					
		ES	17 32 43.6							
24	ASD	IP	17 32 17.5	2.4	.1					
		ES	17 32 45.2							
24	19 2 39.10	51.12 N 179.09 W DEPTH = 25.0 KM DELAOF ISLANDS, ALEUTIAN ISLANDS								FIXED DEPTH SOLUTION
24	ASD	EP	19 02 57.3	2.7	.1	2.62	113	104	-.3	
		ES	19 03 10.6						-.4	
24	ASB	EP	19 02 58.7				119	103	.2	
		IS	19 03 12.8						.2	
24	ASC	EP	19 02 59.8				127	107	.1	
		IS	19 03 15.0						.2	
24	ADK	EP	20 14 4.8							
		ES	20 14 11.9							
24	ASB	EP	21 15 38.1							SMALL. POOR P.
		ES	21 15 56.8							
24	ASC	EP	21 15 38.5							
24	ASD	EP	21 15 38.7							
		ES	21 15 57.5							
24	21 45 15.91	50.99 N 179.26 E DEPTH = 25.0 KM RAT ISLANDS, ALEUTIAN ISLANDS								FIXED DEPTH SOLUTION
24	ASB	IP	21 45 23.8	2.1	.1	.92	42	179	-.1	
		IS	21 45 29.6						-.1	
24	ASD	IP	21 45 24.2	2.1	.1	1.00	44	188	-.0	
		IS	21 45 30.4						.1	
24	ASC	EP	21 45 25.7				54	173	.1	
24	ASB	EP	22 12 40.6							
		IS	22 12 46.5							
24	ASD	EP	22 12 40.9	2.1	.1					
		ES	22 12 47.2							
24	ASB	EP	23 41 34.8							VERY SMALL. NO
24	ASD	EP	23 41 35.1							S VIS.
25	ADK	IP D	00 33 47.4							
		IS	00 33 55.8							
25	ADK	IP D	04 11 7.5							
		IS	04 11 19.3							
25	ASD	IP	04 11 42.6	1.0	.2					HELICORDER
		I	04 11 43.9							
		ES	04 12 26.4							
25	ASB	EP	04 11 43.2	1.6	.2					
25	ASC	EP	04 11 44.1							

SEP 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
25	AND	EP	04 11 46.1							
25	ANA	IP	04 11 48.8							
25	ADK	EP	06 30 9.5							
		IS	06 30 16.4							
25	7 33 36.19		50.88 N 179.84 W				DEPTH = 25.0 KM			FIXED DEPTH SOLUTION
			DELAROF ISLANDS, ALEUTIAN ISLANDS							
25	ASD	EPG	07 33 49.6	.1	.2	.48	80	134	-.1	HELICORDER
		IPN	07 33 50.9							
		ES	07 33 59.6						.1	
25	ASB	EPG	07 33 50.1	.3	.1	1.18	83	130	-.1	
		IPN	07 33 51.3							
		ES	07 34 .1						-.3	
25	ASC	E(P)	07 33 52.2				95	133	.2	
25	AND	E(P)	07 33 54.4				113	132	-.3	
		ES	07 34 8.4						.2	
25	ANA	E(P)	07 33 58.0				133	128	.3	
25	ANA	EP	07 44 51.0							
25	AND	EP	07 44 53.5							
25	ASB	EPN	07 44 56.5	1.2	.2					
		EPG	07 44 57.2							
		ES	07 45 14.4							
25	ASD	EPN	07 44 57.2	.6	.1					HELICORDER
		EPG	07 44 57.7							
		ES	07 45 16.3							
25	ASC	EPN	07 44 55.7							
		EPG	07 44 56.3							
		ES	07 45 13.4							
25	8 27 12.76		52.08 N 179.58 W				DEPTH = 100.0 KM			FIXED DEPTH SOLUTION
			DELAROF ISLANDS, ALEUTIAN ISLANDS							
25	ASD	EPG	08 27 33.0	.1	.1		108	43	.0	HELICORDER
		ES	08 27 47.4						-.4	
25	ASC	EPG	08 27 33.4				110	51	.2	
		EP	08 27 33.8							
		ES	08 27 48.5						.3	
25	ASB	EPG	08 27 33.6	.1	.1		114	45	.0	
		EP	08 27 34.2							
		ES	08 27 48.8						.0	
25	AND	EP	08 27 33.7				116	60	-.1	
25	ANA	EP	08 27 35.3				131	67	-.1	
25	9 49 53.85		51.03 N 179.00 E				DEPTH = 25.8 KM			FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
25	ASB	EPG	09 50 1.7				40	205	.0	
		ES	09 50 7.4						.0	
25	ASD	EPG	09 50 2.3				45	212	-.0	HELICORDER
		ESG	09 50 8.2							
25	ASC	E(P)	09 50 3.0				49	193	.1	
25	AND	EP	09 50 4.3				59	176	-.0	
25	ASD	EPG	11 30 34.5	.3	.1					HELICORDER
		ESG	11 30 46.2							
25	ASE	EP	11 30 35.2	.3	.1					
25	ASC	EP	11 30 36.8							
		E(S)	11 30 51.9							
25	AND	E(P)	11 30 38.7							
25	ANA	E(P)	11 30 41.7							

SEP 1970	STA	PHASE	TIME (GMT)	AMP (M)	PER (SEC)	MAG (KM)	DIST (DEG)	AZI (SEC)	RES	REMARKS
25	12	8	59.85	51.43 N	179.48 W	DEPTH = 0.0 KM				FIXED DEPTH SOLUTION DELAROF ISLANDS, ALEUTIAN ISLANDS
25	ASD	IPGD	12 09 14.6	4.9	.2	2.07	82	85	-.1	HELICORDER
		ES	12 09 25.6						.1	
25	ASB	IPG	12 09 15.4	4.1	.2	2.12	89	84	-.3	
		IS	12 09 26.6						-.7	
25	ASC	IP	12 09 16.8				94	91	.3	
25	AND	E(P)	12 09 18.8				110	97	-.1	
		IP	12 09 19.4							
		I	12 09 20.8							
25	ANA	EP	12 09 21.8				130	99	-.2	
		IP	12 09 23.3							
25	ASD	IPGC	14 40 9.9	2.1	.2					HELICORDER
		ES	14 40 20.4							
25	ASB	IPGC	14 40 10.6	2.1	.2					
		ES	14 40 22.0							
25	ASC	IP D	14 40 12.3							
		EP	14 40 13.1							
25	AND	EP	14 40 14.3							
		EP	14 40 15.7							
25	ANA	EPG	14 40 17.2							
		EP	14 40 18.8							
		ES	14 03 32.9							
25	17	13	1.82	52.15 N	179.42 E	DEPTH = 182.3 KM				FREE DEPTH SOLUTION RAT ISLANDS, ALEUTIAN ISLANDS
25	AND	E(P)	17 13 27.5				73	26	-.2	WEAK ONSET
		ES	17 13 46.5						-.1	
25	ANA	EP	17 13 28.0				78	42	.0	
		ES	17 13 47.1						.0	
25	ASC	E(P)	17 13 28.2				79	13	.2	WEAK ONSET
		ES	17 13 47.4						.3	
25	ASD	E(P)	17 13 28.3	.1	.2		86	4	-.1	HELICORDER
		IS	17 13 47.7						-.1	
25	ASB	E(P)	17 13 28.6				89	8	.1	WEAK ONSET
		ES	17 13 47.9						-.1	
25	19	3	13.52	50.64 N	179.86 E	DEPTH = 25.0 KM				FIXED DEPTH SOLUTION RAT ISLANDS, ALEUTIAN ISLANDS
25	ASD	IP C	19 03 28.2	1.4	.1	1.97	89	156	-.2	
25	ASB	EP C	19 03 28.9	.9	.1	1.80	91	152	.3	
		IS	19 03 39.6						-.0	
25	ASC	EP	19 03 30.6				103	152	.1	
25	AND	EP	19 03 33.0				120	148	-.1	
25	ANA	EP	19 03 35.6				138	142	-.1	
		ES	19 03 53.7						1.9	
26	0	28	23.52	52.05 N	178.85 E	DEPTH = 122.7 KM				FREE DEPTH SOLUTION RAT ISLANDS, ALEUTIAN ISLANDS
26	ANA	IP	00 28 41.5				49	15	.0	
26	AND	IP	00 28 41.7				55	353	-.1	
26	ASC	IP	00 28 42.8				69	342	.2	

SEP 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
26	2 19	27.18	51.10 N 179.15 W	DEPTH = 25.0 KM				FIXED DEPTH SOLUTION		
DELAROF ISLANDS, ALEUTIAN ISLANDS										
26	ASD	EP	02 19 44.8	1.0	.1	2.14	109	106	-.3	
		ES	02 19 57.8						-.4	
26	ASB	EP	02 19 46.2				115	104	.2	
		ES	02 19 59.9						.2	
26	ASC	EP	02 19 47.4				124	108	.1	
		ES	02 20 2.1						.2	
26	ASD	EP	02 54 50.4	2.4	.1					
		IS	02 55 14.1							
26	ASB	EP	02 54 51.2	3.7	.1					
		IS	02 55 16.1							
26	ASC	EP	02 54 52.5							
26	AND	EP	02 54 53.8							
26	ASD	EP	02 56 53.5	3.5	.1					
26	ASB	EP	02 56 54.5	3.2	.1					
26	ASC	EP	02 56 56.0							
		E(S)	02 57 17.4							
26	AND	EP	02 56 57.6							
26	ANA	EP	02 57 .9							
26	ASD	EPG	03 03 30.4							
		ES	03 03 41.7							
26	ASB	EPG	03 03 31.8	1.8	.1					
		ES	03 03 44.4							
26	ASC	EPG	03 03 33.2							
26	4 7	35.25	51.37 N 178.82 E	DEPTH = 54.0 KM				FREE DEPTH SOLUTION		
RAT ISLANDS, ALEUTIAN ISLANDS										
26	AND	IPG	04 07 44.2				24	203	-.0	
26	ASB	EPG	04 07 44.6				30	271	-.0	
		ES	04 07 51.4						-.0	
26	ANA	IPG	04 07 44.7				31	159	.0	
26	ASD	IPG	04 07 45.1	1.8	.1		36	268	-.0	
		IS	04 07 52.3						.0	
26	4 33	19.78	51.43 N 178.46 E	DEPTH = 30.0 KM				FREE DEPTH SOLUTION		
RAT ISLANDS, ALEUTIAN ISLANDS										
26	ANA	IPGC	04 33 26.2				26	213	-.0	
26	AND	IPGC	04 33 27.5				37	247	-.1	
26	ASC	IPGC	04 33 29.4				49	266	.3	
26	ASB	EPG	04 33 29.9	5.1	.1	1.75	55	278	-.0	
		ES	04 33 37.5						.1	
26	ASD	EPG	04 33 30.7	17.5	.1	2.46	62	276	-.1	
		ES	04 33 38.7						-.2	
26	5 46	40.29	51.03 N 178.46 E	DEPTH = 25.0 KM				FIXED DEPTH SOLUTION		
RAT ISLANDS, ALEUTIAN ISLANDS										
26	ASB	EPG	05 46 51.8	2.1	.1	1.66	66	236	.0	
26	AND	IPGD	05 46 51.9				69	210	-.2	
26	ANA	EPG	05 46 52.2				68	192	.1	
26	ASC	IPGC	05 46 52.2				69	226	.0	
26	ASD	EPG	05 46 52.7	.8	.1	1.41	73	238	-.0	
		IS	05 47 1.8						.0	

SEP 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
26	ASD	EP	06 41 11.1	4.5	.1					
		IS	06 41 37.0							
26	ASB	IP C	06 41 11.8	8.5	.1					
		ES	06 41 37.0							
26	ASC	EP	06 41 12.4							
26	ANA	EP	06 41 13.0							
26	ANA	IP	06 41 15.6							
26	7	4 20.17	51.23 N, 179.67 W	DEPTH = 25.0 KM						FIXED DEPTH SOLUTION
			DELAROF ISLANDS, ALEUTIAN ISLANDS							
26	ASD	EP D	07 04 32.4				71	103	.0	
		I	07 04 34.6	8.5	.1	2.38				
		IS	07 04 41.2							
26	ASB	EP	07 04 33.6	3.2	.1	2.09	77	100	.3	
		IS	07 04 42.4							
26	AND	EP	07 04 36.4				103	110	-.7	
26	ANA	IP C	07 04 40.6				124	110	.3	
		IS	07 04 55.4						.4	
26	ADK	EP	07 31 28.7							
		ES	07 31 37.7							
26	8	36 11.11	51.19 N, 179.14 W	DEPTH = 25.0 KM						FIXED DEPTH SOLUTION
			DELAROF ISLANDS, ALEUTIAN ISLANDS							
26	ASD	EPG	08 36 28.4	1.4	.1	2.26	107	100	-.3	
		IS	08 36 41.3						-.3	
26	ASB	IPG	08 36 29.8	1.4	.1	2.35	114	99	.1	
		IS	08 36 43.4						.2	
26	ASC	IPG	08 36 31.0				121	104	-.2	
26	8	39 8.45	51.91 N, 176.86 E	DEPTH = 75.0 KM						FIXED DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
26	ANA	EP	08 39 29.4				128	285	-.1	
26	AND	EP	08 39 31.7				149	286	-.1	
26	ASB	EP	08 39 35.0				176	291	.1	
26	ASD	EP	08 39 35.5	1.4	.1		181	290	-.1	
		IS	08 39 55.4						.0	
26	ANA	EPN	09 08 7.5							
		ES	09 08 38.2							
26	AND	EPN	09 08 9.9							
		IPG	09 08 12.9							
26	ASB	EPN	09 08 12.7							
		IPG	09 08 16.6	3.7	.2					
26	ASD	EPN	09 08 13.2							
		IPG	09 08 16.8	4.1	.2					
26	9	22 25.91	52.13 N, 178.91 W	DEPTH = 100.0 KM						FIXED DEPTH SOLUTION
			DELAROF ISLANDS, ALEUTIAN ISLANDS							
26	ASD	IP D	09 22 50.2	1.7	.1		147	54	.0	
		IS	09 23 7.5						-.4	
26	ASE	IP D	09 22 50.9	1.9	.1		153	55	.0	
		IS	09 23 9.5						.4	
26	AND	IP D	09 22 51.6				160	66	-.0	

SEP 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
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26	10 31	2.60	51.19 N 178.64 E	DEPTH = 30.1 KM		FREE DEPTH SOLUTION				
RAT ISLANDS, ALEUTIAN ISLANDS										
26	ASE	IP C	10 31 11.6	3.3	.1	1.29	46	246	.0	
		ES	10 31 18.1						-.0	
26	AND	IP	10 31 11.6				47	208	-.1	
26	ANA	IP	10 31 11.9				49	182	-.0	
26	ASC	IP C	10 31 11.9				48	230	.2	
26	ASD	EP	10 31 12.4				53	247	-.1	

26	10 37	21.36	52.33 N 177.91 E	DEPTH = 125.0 KM		FIXED DEPTH SOLUTION				
RAT ISLANDS, ALEUTIAN ISLANDS										
26	ANA	IP	10 37 42.5				94	327	-.0	SMALL
26	AND	EP	10 37 44.0				112	320	.0	
		ES	10 38 .5						.0	
26	ASB	EP	10 37 46.8				142	320	-.0	
26	ASD	EP	10 37 47.1				145	318	-.0	

26	12 2	29.30	6.21 N 77.59 W	DEPTH = 8.0 KM		MB = 6.1 MS = 6.6		TELESEISMIC SOLUTION		
NEAR WEST COAST OF COLOMBIA										
26	ADK	EP	12 15 34.5				10083	79		
		ES	12 26 10.0							

26	12 34	24.14	51.20 N 178.67 E	DEPTH = 32.7 KM		FREE DEPTH SOLUTION				
RAT ISLANDS, ALEUTIAN ISLANDS										
26	ASB	IPGC	12 34 33.0	13.8	.1	1.83	44	246	-.0	
		ES	12 34 39.6						.1	
26	AND	IPGC	12 34 33.2				45	206	.0	
26	ASC	IPGC	12 34 33.4				45	230	.2	
26	ANA	IPGC	12 34 33.4				48	179	-.1	
26	ASD	IPGC	12 34 33.8	2.1	.1	1.24	51	247	-.1	
		ES	12 34 40.8						-.2	

26	12 49	59.18	51.56 N 177.70 E	DEPTH = 125.0 KM		FIXED DEPTH SOLUTION				
RAT ISLANDS, ALEUTIAN ISLANDS										
26	ANA	IP	12 50 18.6				67	264	.2	
26	AND	IP	12 50 19.6				87	271	-.2	
		IS	12 50 34.7						-.1	
26	ASB	EP	12 50 21.7	.9	.1		110	282	.1	
		ES	12 50 38.2						.2	
26	ASD	EP	12 50 22.0	1.0	.1		116	281	-.2	
NO S.										
26	ASD	EP	13 24 36.9							
26	ASB	EP	13 24 37.6							
26	ASC	EP	13 24 37.9							
26	AND	EP	13 24 38.5							
26	ANA	EP	13 24 40.2							

26	13 58	10.61	51.55 N 179.40 E	DEPTH = 88.2 KM		FREE DEPTH SOLUTION				
RAT ISLANDS, ALEUTIAN ISLANDS										
26	ASD	EP	13 58 23.1	2.9	.1		20	12	-.3	
		IS	13 58 32.8						.2	
26	ASE	IP D	13 58 23.6	6.9	.1		24	26	.1	

SEP 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
26	ASC	ES	13 58 32.7						-.2	
26	AND	IP D	13 58 23.6				19	58	-.3	
26	ANA	IP	13 58 23.6				31	92	-.2	
26	ANA	IP C	13 58 25.0				52	99	.0	
26	14 25	56.20	51.08 N 179.45 W	DEPTH = 25.0 KM						FIXED DEPTH SOLUTION
			DELAROF ISLANDS, ALEUTIAN ISLANDS							
26	ASD	EP	14 26 11.0				90	111	-.3	SMALL AMP.
		ES	14 26 22.2						-.0	
26	ASB	EP	14 26 12.2				96	108	.1	
26	ASC	EP	14 26 13.6				105	113	.1	
26	14 56	1.63	52.35 N 178.34 E	DEPTH = 175.0 KM						FIXED DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
26	ANA	IP	14 56 27.3				84	345	.0	
26	AND	EP	14 56 27.9				98	335	-.2	
		ES	14 56 47.4						.0	
26	ASC	EP	14 56 29.5				114	331	.3	
26	ASB	EP	14 56 30.0				127	331	-.1	
26	ASD	EP	14 56 30.2	3.4	.2		129	328	-.1	
26	14 57	2.20	6.27 N 77.37 W	DEPTH = 14.0 KM						TELESEISMIC SOLUTION
			NEAR WEST COAST OF COLOMBIA							
26	ADK	EP	15 10 6.0				10094	79		
26	15 32	54.24	51.64 N 179.55 W	DEPTH = 75.0 KM						FIXED DEPTH SOLUTION
			DELAROF ISLANDS, ALEUTIAN ISLANDS							
26	ASD	EP	15 33 10.1	1.8	.1		82	69	.0	
26	ASB	EP	15 33 10.8				89	69	.0	
26	AND	EP	15 33 12.2				104	85	-.2	
26	ANA	EP	15 33 14.7				123	88	.1	
		ES	15 33 29.4						-.0	
26	18 2	33.32	52.23 N 178.38 E	DEPTH = 145.2 KM						FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
26	ANA	IP	18 02 54.8				70	344	-.1	
		IS	18 03 10.8						.2	
26	AND	IP	18 02 55.7				84	332	-.1	
		ES	18 03 12.0						-.2	
26	ASC	IP	18 02 57.3				101	328	.3	
26	ASB	IP	18 02 57.9	3.4	.1		114	329	.1	
26	ASD	IP	18 02 58.0	2.7	.1		116	325	-.1	
26	GMA	P	19 30 41.0							
26	AND	EPG	21 30 7.6							
26	ASB	EPG	21 30 8.0							
		ES	21 30 14.8							
26	ANA	IP	23 03 58.9							
26	ASC	IP	23 03 59.6							
26	ASD	IP	23 03 59.6	1.1	.1					
		ES	23 04 9.6							

SEP 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
26	23 42	50.00	51.65 N 177.61 E	DEPTH = 125.0 KM			FIXED DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
26	ANA	IP C	23 43 9.7				72	273	.1	SMALL AMP.
26	AND	EP	23 43 10.8				93	277	-.3	
		ES	23 43 26.5						.0	
26	ASC	EP	23 43 12.6				109	282	.2	
26	ASB	EP	23 43 13.2				118	287	.0	
26	ASD	EP	23 43 13.6				124	285	-.1	
27	0 11	33.70	52.11 N 177.91 E	DEPTH = 150.0 KM			FIXED DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
27	ANA	IP	00 11 56.0				74	316	-.1	
27	AND	IP	00 11 57.1				94	310	-.2	
27	ASC	EP	00 11 58.9				112	310	.2	
27	ASB	EP	00 11 59.6				124	312	-.0	
27	ASD	IP	00 11 59.9	1.7	.1		128	310	-.0	
		ES	00 12 19.0						-.1	
27	0 39	39.65	51.08 N 179.18 E	DEPTH = 21.9 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
27	ASB	IP D	00 39 46.0	5.6	.1	.87	31	189	.0	
		ES	00 39 50.6						-.0	
27	ASD	IP C	00 39 46.4	3.2	.1	.80	34	199	-.1	
27	ASC	EP	00 39 47.6				42	179	.1	
27	AND	EP	00 39 49.4				56	163	-.1	
27	ASD	EP	00 43 59.1	4.1	.1					NO S.
27	ASC	EP	00 44 .6							
27	0 52	41.43	51.49 N 178.92 E	DEPTH = 194.9 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
27	ASC	IP	00 53 7.2				17	280	.1	SMALL AMP.
		IS	00 53 25.9						-.0	
27	ANA	EP	00 53 7.2				24	131	-.0	
27	ASD	EP	00 53 7.3				32	293	-.1	
27	ASB	EP	00 53 7.3				27	302	.0	
27	1 46	26.02	51.23 N 179.85 W	DEPTH = 25.0 KM			FIXED DEPTH SOLUTION			
DELAROF ISLANDS, ALEUTIAN ISLANDS										
27	ASD	EP	01 46 36.3				59	106	-.1	
		ES	01 46 43.9						-.1	
27	ASB	IP D	01 46 37.3	3.8	.1	1.87	64	103	.0	
		ES	01 46 45.5						.1	
27	ASC	IP	01 46 38.6				73	110	.1	
27	3 38	36.20	6.43 N 77.41 W	DEPTH = 8.0 KM MB = 5.8 MS = 6.5			TELESEISMIC SOLUTION			
NEAR WEST COAST OF COLOMBIA										
27	ADK	EP	03 51 42.0				10077	79		
		ES	04 02 20.0							

SEP STA PHASE TIME AMP PER MAG DIST AZI RES REMARKS
1970 (GMT) (MU) (SEC) (KM) (DEG) (SEC)

.....
27 14 0 23.74 51.39 N 178.38 E DEPTH = 59.0 KM FREE DEPTH SOLUTION
RAT ISLANDS, ALEUTIAN ISLANDS

27 ANA IP 04 00 33.8 32 217 .0
IS 04 00 41.1 .0
27 AND IP 04 00 34.6 44 245 -.1
27 ASC EP 04 00 35.8 55 262 .1
27 ASB EP 04 00 36.2 1.7 .1 60 274 -.0
27 ASD IP 04 00 36.9 1.7 .1 67 272 -.0
ES 04 00 46.5 -.0
.....

.....
27 5 16 5.29 51.73 N 179.41 E DEPTH = 199.1 KM FREE DEPTH SOLUTION
RAT ISLANDS, ALEUTIAN ISLANDS

27 AND IP D 05 16 31.7 37 60 -.1
27 ASD IP D 05 16 31.8 57.4 .1 39 7 -.1
ES 05 16 51.6 .3
27 ASC IP D 05 16 31.8 34 31 .0
27 ASB EP D 05 16 32.1 64.1 .1 42 16 .1
ES 05 16 51.2 -.3
27 ANA EP D 05 16 32.4 53 78 .1
.....

27 ADK EP 08 12 58.7
ES 08 13 20.8
27 ASD EP C 08 13 20.0 13.3 .2
IS 08 13 57.6
27 ASB EP 08 13 20.8 11.6 .2
ES 08 13 58.3
27 ASC EP 08 13 21.1
.....

.....
27 8 55 9.50 5.16 S 152.78 E DEPTH = 50.0 KM MB = 5.0 TELESEISMIC SOLUTION
NEW BRITAIN REGION

27 ADK EP 09 05 29.7 6955 215
.....

27 ADK IP D 10 11 30.4
.....

.....
27 13 9 59.42 51.20 N 179.54 W DEPTH = 25.0 KM FIXED DEPTH SOLUTION
DELAROF ISLANDS, ALEUTIAN ISLANDS

27 ASD IPG 13 10 13.0 15.0 .1 2.82 80 104 .0 HEAVY WIND
27 ASB EPG 13 10 13.9 86 102 .0 NOISE.
ES 13 10 24.4 -.0
27 ASC EPG 13 10 15.0 95 108 -.1
27 AND EPG 13 10 17.8 112 111 .0
27 ANA EPG 13 10 21.0 134 110 .0
.....

27 ADK IP D 16 26 35.8
IS 16 26 43.4
.....

27 ADK EP 23 29 31.7
ES 23 29 56.8
.....

28 ADK EP 03 52 15.6
ES 03 52 27.0
.....

SEP 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
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28	4 21	49.80	54.48 N 164.49 W	DEPTH = 77.0 KM		MB = 5.0	TELESEISMIC SOLUTION			
UNIMAK ISLAND REGION										

28	ADK	EP	04 23 42.9				858	66		
28	GMA	P	04 24 31.3				1234	190		

28	ADK	IP	05 23 43.3							
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28	7 47	11.69	51.40 N 179.48 W	DEPTH = 25.0 KM		FIXED DEPTH SOLUTION				
DELAROF ISLANDS, ALEUTIAN ISLANDS										

28	ASD	IPGD	07 47 25.1	27.2	.2	2.81	82	87	-0.4	
		IS	07 47 35.8						.2	
28	ASB	IPG	07 47 26.9				89	86	.4	
		ES	07 47 37.1						-0.2	
28	ASC	IPG	07 47 27.4				94	93	.0	

28	9 9	41.50	55.11 N 162.64 E	DEPTH = 33.0 KM		MB = 4.4	TELESEISMIC SOLUTION			
OFF EAST COAST OF KAMCHATKA										

28	ADK	IP D	13 21 40.0							
		IS	13 21 47.3							

28	17 22	12.10	53.33 N 158.74 E	DEPTH = 118.0 KM		MB = 5.4	TELESEISMIC SOLUTION			
NEAR EAST COAST OF KAMCHATKA										

28	ADK	EP	17 25 36.3				1673	285		
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28	20 6	24.55	52.67 N 179.54 W	DEPTH = 125.0 KM		FIXED DEPTH SOLUTION				
DELAROF ISLANDS, ALEUTIAN ISLANDS										

28	AND	IP	20 06 51.8				160	39	-0.0	
28	ASD	IP C	20 06 52.1				163	28	.0	
		IS	20 07 11.9						-0.3	
28	ASB	IP D	20 06 52.6	137.8	.1		167	29	.0	
		IS	20 07 13.3						.3	

28	ASD	IPG	23 11 25.9	32.5	.1					
		IS	23 11 33.3							
28	ASB	IPG	23 11 26.3	57.8	.1					
28	ASC	IPG	23 11 28.1							
28	AND	IPG	23 11 30.5							

29	0 2	46.53	51.39 N 179.50 W	DEPTH = 25.0 KM		FIXED DEPTH SOLUTION				
DELAROF ISLANDS, ALEUTIAN ISLANDS										

29	ASD	IP C	00 03 .2				81	89	.0	
29	ASB	IP	00 03 1.1				87	88	-0.0	
		I(S)	00 03 11.5						-0.3	
29	ASC	IP D	00 03 2.4				93	95	.4	
29	AND	IP	00 03 4.5				109	100	.1	
29	ANA	IP C	00 03 7.4				130	101	-0.2	
29	ADK	EP	00 03 18.0				209	256	-0.1	
		ES	00 03 53.4						12.3	

SEP 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
29	12 33	1.86	51.43 N 179.27 E	DEPTH = 65.8 KM						FREE DEPTH SOLUTION RAT ISLANDS, ALEUTIAN ISLANDS
29	ASD	IPGC	02 33 11.6	9.2	.1		8	319	.0	
29	ASB	IPGD	02 33 11.6				8	10	.0	
29		IS	02 33 18.7						.0	
29	ASC	IPGD	02 33 11.6				8	116	.0	
29	4 42	46.60	11.47 N 85.48 W	DEPTH = 192.0 KM MB = 5.4						TELESEISMIC SOLUTION NICARAGUA
29	ADK	EP	04 54 45.8				9091	82		
29		E	04 55 30.4							
29	5 11	21.36	51.57 N 177.59 E	DEPTH = 50.0 KM						FIXED DEPTH SOLUTION RAT ISLANDS, ALEUTIAN ISLANDS
29	ANA	IPG	05 11 35.0				74	266	.1	
29	AND	IPGD	05 11 37.1				94	271	-.2	
29	ASC	IPGD	05 11 39.4				110	277	-.2	
29	ASB	IPG	05 11 40.1	148.2	.2	4.12	117	282	-.0	
29		IS	05 11 53.8						.0	
29	ASD	IPGD	05 11 40.8	129.2	.2	4.15	123	281	-.1	
29	6 3	26.00	13.52 S 166.55 E	DEPTH = 59.0 KM MB = 5.8						TELESEISMIC SOLUTION NEW HEBRIDES ISLANDS
29	ADK	EP	06 14 12.8				7423	198		
29		ES	06 23 2.0							
29		EL	06 30 35.0							
29	6 48	46.00	51.37 N 176.59 E	DEPTH = 33.0 KM MB = 4.0						TELESEISMIC SOLUTION RAT ISLANDS, ALEUTIAN ISLANDS
29	ANA	IP	06 49 8.5				147	259	-.6	OBSCURED BY
29	ASB	IP	06 49 13.0				185	271	-.9	WIND NOISE.
29		ES	06 49 26.5						-.7	
29	ASD	IP	06 49 14.0				191	271	-.7	
29	9 9	16.76	52.23 N 179.57 E	DEPTH = 165.3 KM						FREE DEPTH SOLUTION RAT ISLANDS, ALEUTIAN ISLANDS
29	ANA	IP	09 09 41.8				92	43	-.0	
29	ASD	IP C	09 09 42.1	2.7	.1		96	9	-.0	
29		IS	09 10 .6						-.0	
29	ASB	IP	09 09 42.3				99	13	-.0	
29	11 7	51.54	51.64 N 179.34 E	DEPTH = 182.6 KM						FREE DEPTH SOLUTION RAT ISLANDS, ALEUTIAN ISLANDS
29	ASD	IP	11 08 15.6	7.4	.1		29	360	-.3	
29	ASB	IP C	11 08 16.1	13.6	.1		31	12	.1	
29		ES	11 08 33.8						-.0	
29	ASC	IP	11 08 16.1				23	32	.3	
29	ANA	IP	11 08 16.3				47	88	-.1	

SEP 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
29	13 11	52.13	50.97 N 178.16 E	DEPTH = 37.7 KM						FREE DEPTH SOLUTION
RAT ISLANDS, ALEUTIAN ISLANDS										
29	ANA	IPG	13 12 6.3				80	206	.0	
29	AND	IPG	13 12 6.9				86	220	-.1	
29	ASB	IPG	13 12 7.2	210.9	.1	4.10	87	241	-.0	
		ES	13 12 18.2						-.0	
29	ASC	IPG	13 12 7.6				89	233	.2	
29	ASD	IPG	13 12 8.1	34.6	.1	3.43	94	242	-.1	
.....										
29	21 31	6.91	52.35 N 179.78 E	DEPTH = 125.0 KM						FIXED DEPTH SOLUTION
RAT ISLANDS, ALEUTIAN ISLANDS										
29	ANA	IP	21 31 29.5				111	43	.0	
29	ASD	IP	21 31 29.6	23.1	.1		112	16	.0	
29	ASB	IP	21 31 29.9	17.7	.1		116	18	-.0	
		IS	21 31 46.7						.0	
.....										
30	6 32	24.90	51.39 N 179.71 E	DEPTH = 73.0 KM		MB = 3.9				TELESEISMIC SOLUTION
RAT ISLANDS, ALEUTIAN ISLANDS										
30	ASD	IP D	06 32 36.0				26	88	-.1	OVERLOAD ON ALL
30	ASB	IP	06 32 36.4				33	85	-.0	LEVELS.
30	ASC	IP	06 32 37.0				39	103	.2	
30	AND	IP	06 32 37.9				56	110	-.3	
30	ANA	IP	06 32 40.3				78	110	.1	
30	ADK	EP	06 33 2.2				262	259	.4	
		ES	06 33 29.9						1.2	
.....										
30	ASD	IP	07 59 53.5	3.4	.1					S NOT VISIBLE.
30	ASC	IP	07 59 54.1							
30	ASB	IP	07 59 54.2	4.0	.1					
30	AND	EP	07 59 54.3							
30	ANA	IP	07 59 55.1							
.....										
30	14 6	36.68	51.40 N 179.30 E	DEPTH = 62.3 KM						FREE DEPTH SOLUTION
RAT ISLANDS, ALEUTIAN ISLANDS										
30	ASD	IPGC	14 06 45.9	12.0	.1		4	309	-.0	
		IS	14 06 52.7						.0	
30	ASB	IPGC	14 06 45.9				6	39	-.1	
		ES	14 06 52.7						-.0	
30	ASC	IPG	14 06 46.3				12	128	.2	
30	AND	IPG	14 06 46.7				30	127	-.2	
30	ANA	IPGD	14 06 48.6				51	120	.1	
.....										
30	16 24	27.39	52.21 N 179.92 W	DEPTH = 200.0 KM						FIXED DEPTH SOLUTION
DELAROF ISLANDS, ALEUTIAN ISLANDS										
30	ASD	IP D	16 24 56.9	12.0	.1		106	29	-.1	
30	AND	IP	16 24 57.0				106	47	-.0	
30	ASC	IP	16 24 57.2				105	37	.3	
30	ASB	IP	16 24 57.3	31.1	.1		111	31	-.0	
		ES	16 25 19.2						.0	
30	ANA	IP	16 24 57.7				117	56	-.0	
.....										

SEP 1970	ORIGIN TIME (GMT)	LAT	LONG	DEPTH* (KM)	MB	MS	GEOGRAPHIC REGION
01	1 32 3.87	51.03 N	179.36 W	50.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
01	2 42 56.74	51.37 N	179.58 W	25.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
01	3 15 11.89	51.41 N	178.91 E	48.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
01	5 11 16.11	17.72 N	147.62 E	40.0 T	6.3	6.4	MARIANA ISLANDS
01	7 57 56.07	51.74 N	179.89 E	8.9 F			RAT ISLANDS, ALEUTIAN ISLANDS
01	8 17 32.75	51.70 N	179.88 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
01	8 37 30.80	51.01 N	178.51 E	50.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
01	11 23 41.84	51.43 N	179.24 E	22.7 F			RAT ISLANDS, ALEUTIAN ISLANDS
01	11 33 29.63	51.73 N	179.79 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
01	12 40 46.28	51.67 N	179.95 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
01	12 42 1.92	51.72 N	179.77 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
01	13 32 50.94	51.95 N	179.61 W	75.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
01	13 50 28.49	52.23 N	178.59 E	138.3 F			RAT ISLANDS, ALEUTIAN ISLANDS
01	14 42 2.55	51.47 N	179.44 E	14.3 F			RAT ISLANDS, ALEUTIAN ISLANDS
01	18 14 45.21	51.54 N	179.11 W	50.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
01	19 11 31.50	51.69 N	179.90 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
01	19 48 22.01	51.66 N	178.27 E	79.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
02	3 1 31.74	51.25 N	178.58 E	29.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
02	3 51 39.10	52.23 N	159.60 E	60.0 T	4.7		KAMCHATKA
02	4 25 57.78	50.98 N	179.02 W	25.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
02	6 54 8.68	51.16 N	178.14 E	67.8 F			RAT ISLANDS, ALEUTIAN ISLANDS
02	7 4 5.08	51.45 N	178.39 E	62.4 F			RAT ISLANDS, ALEUTIAN ISLANDS
02	7 25 50.86	50.81 N	179.47 E	0.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
02	10 39 14.23	51.29 N	179.68 E	54.3 F			RAT ISLANDS, ALEUTIAN ISLANDS
02	11 2 26.24	51.85 N	178.43 E	98.3 F			RAT ISLANDS, ALEUTIAN ISLANDS
02	11 31 31.86	51.77 N	178.84 W	50.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
02	16 6 30.63	51.22 N	178.48 E	20.5 F			RAT ISLANDS, ALEUTIAN ISLANDS
02	17 0 46.08	50.61 N	177.40 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
02	17 34 15.51	51.26 N	178.91 E	29.0 F			RAT ISLANDS, ALEUTIAN ISLANDS
02	18 55 4.07	52.09 N	179.12 E	151.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
02	22 4 7.90	64.58 N	150.91 W	16.0 T			CENTRAL ALASKA

SEP 1970	ORIGIN TIME (GMT)	LAT	LONG	DEPTH* (KM)	MB	MS	GEOGRAPHIC REGION
03	3 5 8.40	51.35 N	178.62 E	50.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
03	5 22 8.47	51.39 N	179.97 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
03	8 37 34.87	51.08 N	178.22 E	0.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
03	8 56 38.79	50.89 N	179.64 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
03	9 15 33.99	50.98 N	178.47 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
03	9 16 19.35	52.67 N	178.76 E	100.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
03	11 29 38.16	50.99 N	178.48 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
03	13 37 1.75	51.27 N	179.80 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
03	13 45 35.02	51.04 N	178.36 E	73.3 F			RAT ISLANDS, ALEUTIAN ISLANDS
03	15 6 20.55	51.32 N	179.00 W	25.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
03	15 9 38.47	51.50 N	179.34 W	100.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
03	15 39 34.58	51.81 N	179.09 W	50.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
03	17 6 38.53	51.99 N	179.57 E	157.6 F			RAT ISLANDS, ALEUTIAN ISLANDS
03	17 50 29.08	51.05 N	179.48 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
03	18 9 48.76	51.07 N	179.21 E	20.7 F			RAT ISLANDS, ALEUTIAN ISLANDS
03	18 10 27.12	50.93 N	179.09 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
03	18 11 32.29	51.07 N	179.23 E	25.5 F			RAT ISLANDS, ALEUTIAN ISLANDS
03	19 19 31.30	51.69 N	179.99 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
03	19 37 50.65	51.55 N	179.04 E	18.4 F			RAT ISLANDS, ALEUTIAN ISLANDS
03	21 2 43.04	51.21 N	178.55 E	17.0 F			RAT ISLANDS, ALEUTIAN ISLANDS
04	3 19 .69	51.65 N	178.93 W	75.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
04	7 0 54.44	51.52 N	178.14 E	55.1 F			RAT ISLANDS, ALEUTIAN ISLANDS
04	9 1 21.50	51.33 N	179.10 E	39.0 F			RAT ISLANDS, ALEUTIAN ISLANDS
04	11 11 13.64	51.18 N	179.23 W	50.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
04	13 41 42.84	51.71 N	179.31 E	83.6 F			RAT ISLANDS, ALEUTIAN ISLANDS
04	15 56 2.14	52.00 N	178.54 E	183.6 F			RAT ISLANDS, ALEUTIAN ISLANDS
04	17 27 31.92	51.63 N	178.76 E	79.8 F			RAT ISLANDS, ALEUTIAN ISLANDS
04	19 18 11.38	52.10 N	178.64 E	125.6 F			RAT ISLANDS, ALEUTIAN ISLANDS
05	1 1 27.70	52.58 N	178.72 E	125.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
05	1 18 14.98	51.13 N	179.13 W	25.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
05	3 38 11.34	50.33 N	178.17 E	50.0 D			RAT ISLANDS, ALEUTIAN ISLANDS

SEP 1970	ORIGIN TIME (GMT)	LAT	LONG	DEPTH* (KM)	MB	MS	GEOGRAPHIC REGION
05	5 25 50.83	51.51 N	179.73 W	96.6 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
05	5 47 23.66	52.02 N	178.53 E	84.1 F			RAT ISLANDS, ALEUTIAN ISLANDS
05	7 18 11.32	51.06 N	179.24 E	24.4 F			RAT ISLANDS, ALEUTIAN ISLANDS
05	7 22 5.65	51.36 N	179.71 E	54.8 F			RAT ISLANDS, ALEUTIAN ISLANDS
05	7 52 27.90	52.23 N	151.43 E	580.0 T	5.7		SEA OF OKHOTSK
05	9 20 49.35	51.39 N	179.43 E	24.9 F			RAT ISLANDS, ALEUTIAN ISLANDS
05	10 17 34.86	51.16 N	178.38 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
05	11 9 53.60	52.69 N	152.83 E	541.0 T	4.0		NORTHWEST OF KURIL ISLANDS
05	16 28 50.00	51.40 N	179.62 E	63.9 F			RAT ISLANDS, ALEUTIAN ISLANDS
05	17 24 23.39	51.62 N	179.38 E	10.8 F			RAT ISLANDS, ALEUTIAN ISLANDS
05	18 23 18.94	51.30 N	178.87 E	40.4 F			RAT ISLANDS, ALEUTIAN ISLANDS
05	18 53 26.85	51.70 N	179.96 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
05	20 29 56.75	51.96 N	179.83 E	168.9 F			RAT ISLANDS, ALEUTIAN ISLANDS
05	21 1 47.92	51.38 N	179.27 W	25.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
05	21 33 48.05	51.45 N	179.34 E	64.8 F			RAT ISLANDS, ALEUTIAN ISLANDS
06	4 2 57.40	49.77 N	78.09 E	0.0 T	5.6		EASTERN KAZAKH SSR
06	4 57 44.79	52.28 N	179.76 E	150.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
06	4 59 11.16	50.85 N	179.51 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
06	7 33 13.89	51.18 N	179.77 E	41.4 F			RAT ISLANDS, ALEUTIAN ISLANDS
06	9 38 21.28	51.19 N	178.64 E	31.5 F			RAT ISLANDS, ALEUTIAN ISLANDS
06	9 53 48.53	51.68 N	179.41 W	100.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
06	10 14 23.87	51.18 N	178.75 E	12.1 F			RAT ISLANDS, ALEUTIAN ISLANDS
06	10 47 42.70	5.06 S	151.24 E	154.0 T	4.8		NEW BRITAIN REGION
06	11 32 24.20	51.53 N	178.23 E	57.3 F			RAT ISLANDS, ALEUTIAN ISLANDS
06	12 12 25.15	51.95 N	179.06 W	75.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
06	12 50 8.93	51.58 N	178.76 E	83.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
06	13 51 59.46	51.25 N	179.72 W	24.8 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
06	15 41 1.33	51.41 N	179.89 W	87.7 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
06	17 41 14.31	51.67 N	179.50 E	72.6 F			RAT ISLANDS, ALEUTIAN ISLANDS
06	19 27 31.99	51.33 N	178.63 E	93.8 F			RAT ISLANDS, ALEUTIAN ISLANDS
06	21 23 38.00	51.32 N	179.86 W	25.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS

SEP 1970	ORIGIN TIME (GMT)	LAT (N)	LONG (E)	DEPTH* (KM)	MB (M)	MMS (M)	GEOGRAPHIC REGION	MT (M)	NO (M)	QSS (M)
07	141-41.65	51.64	179.39	128.7	F	0.0.25	RAT ISLANDS, CALEUTIAN ISLANDS	00		
07	204-121.85	51.37	179.56	58.6	F	0.0.25	RAT ISLANDS, CALEUTIAN ISLANDS	00		
07	204-127.34	51.20	178.50	84.3	F	0.0.25	RAT ISLANDS, CALEUTIAN ISLANDS	00		
07	314-53.01	51.68	179.05	75.0	D	0.0.25	DEWAROF ISLANDS, CALEUTIAN ISLANDS	01		
07	342-121.91	51.01	178.42	497.0	T	4.4	FISH ISLANDS, REGIONAL	01		
07	453-121.83	52.18	178.47	125.0	D	0.0.25	RAT ISLANDS, CALEUTIAN ISLANDS	01		
07	528-54.10	51.84	168.18	33.0	T	4.1	FOX ISLANDS, CALEUTIAN ISLANDS	01		
07	646-121.41	51.54	179.60	75.9	F	0.0.25	RAT ISLANDS, CALEUTIAN ISLANDS	01		
07	756-121.38	50.38	178.37	69.1	F	0.0.25	RAT ISLANDS, CALEUTIAN ISLANDS	01		
07	1056-121.39	52.16	178.45	102.4	F	0.0.25	RAT ISLANDS, CALEUTIAN ISLANDS	01		
07	1206-121.38	50.60	177.39	50.0	D	0.0.25	RAT ISLANDS, CALEUTIAN ISLANDS	01		
07	1257-121.34	51.07	177.98	74.6	F	0.0.25	RAT ISLANDS, CALEUTIAN ISLANDS	01		
07	1432-121.18	51.17	179.37	45.0	F	0.0.25	RAT ISLANDS, CALEUTIAN ISLANDS	01		
07	1637-121.22	51.43	179.68	71.5	F	0.0.25	RAT ISLANDS, CALEUTIAN ISLANDS	01		
07	1918-121.87	51.52	178.84	73.6	F	0.0.25	RAT ISLANDS, CALEUTIAN ISLANDS	01		
08	2055-121.46	51.42	179.44	73.7	F	0.0.25	DEWAROF ISLANDS, CALEUTIAN ISLANDS	01		
08	2328-121.22	51.19	179.48	25.0	D	0.0.25	DEWAROF ISLANDS, CALEUTIAN ISLANDS	01		
08	2509-121.59	51.14	179.18	25.0	D	0.0.25	DEWAROF ISLANDS, CALEUTIAN ISLANDS	01		
08	1611-121.20	51.39	179.58	68.3	F	0.0.25	RAT ISLANDS, CALEUTIAN ISLANDS	01		
08	1940-121.03	51.19	178.70	25.0	D	0.0.25	RAT ISLANDS, CALEUTIAN ISLANDS	01		
08	1949-121.21	52.04	178.50	129.7	F	0.0.25	RAT ISLANDS, CALEUTIAN ISLANDS	01		
09	432-121.13	50.84	177.44	25.0	D	0.0.25	RAT ISLANDS, CALEUTIAN ISLANDS	01		
09	457-121.57	50.99	178.96	61.4	F	0.0.25	RAT ISLANDS, CALEUTIAN ISLANDS	01		
09	523-121.78	52.21	179.99	150.0	D	0.0.25	DEWAROF ISLANDS, CALEUTIAN ISLANDS	01		
09	744-121.54	51.32	178.75	25.0	D	0.0.25	RAT ISLANDS, CALEUTIAN ISLANDS	01		
09	1044-121.09	50.79	177.80	25.0	D	0.0.25	RAT ISLANDS, CALEUTIAN ISLANDS	01		
09	1010-121.59	51.43	178.83	49.5	F	0.0.25	RAT ISLANDS, CALEUTIAN ISLANDS	01		
09	1135-121.46	50.91	177.39	75.0	D	0.0.25	RAT ISLANDS, CALEUTIAN ISLANDS	01		
09	1444-121.13	51.02	178.97	23.4	F	0.0.25	RAT ISLANDS, CALEUTIAN ISLANDS	01		
09	1941-121.10	52.01	179.71	103.8	F	0.0.25	RAT ISLANDS, CALEUTIAN ISLANDS	01		
09	2013-121.46	50.92	178.50	4.9	F	0.0.25	RAT ISLANDS, CALEUTIAN ISLANDS	01		

SEP 1970	ORIGIN TIME (GMT)	LAT	LONG	DEPTH* (KM)	MB	MS	GEOGRAPHIC REGION
09	21 1 25.09	50.88 N	178.25 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
09	22 20 21.24	51.00 N	179.04 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
09	22 53 34.08	51.43 N	178.80 E	46.9 F			RAT ISLANDS, ALEUTIAN ISLANDS
10	1 9 4.79	51.65 N	179.52 E	69.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
10	2 27 4.16	51.38 N	179.99 W	70.1 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
10	2 54 52.73	51.47 N	179.87 W	61.8 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
10	4 47 6.38	51.34 N	178.55 E	73.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
10	6 1 29.46	52.29 N	179.76 E	175.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
10	6 54 12.94	51.97 N	179.27 W	0.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
10	8 42 35.14	51.74 N	178.05 E	78.7 F			RAT ISLANDS, ALEUTIAN ISLANDS
10	16 36 11.05	51.03 N	179.32 E	34.5 F			RAT ISLANDS, ALEUTIAN ISLANDS
10	19 40 18.60	51.35 N	179.21 E	58.7 F			RAT ISLANDS, ALEUTIAN ISLANDS
11	3 5 45.31	51.96 N	179.23 W	25.0 C			DELAROF ISLANDS, ALEUTIAN ISLANDS
11	3 19 42.58	50.97 N	178.99 E	1.3 F			RAT ISLANDS, ALEUTIAN ISLANDS
11	21 59 29.18	51.71 N	178.73 E	90.7 F			RAT ISLANDS, ALEUTIAN ISLANDS
12	1 40 23.01	51.24 N	178.48 E	40.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
12	5 19 31.66	51.17 N	179.06 E	33.9 F			RAT ISLANDS, ALEUTIAN ISLANDS
12	5 19 59.73	51.61 N	179.41 E	136.6 F			RAT ISLANDS, ALEUTIAN ISLANDS
12	9 21 18.71	51.70 N	178.32 E	91.9 F			RAT ISLANDS, ALEUTIAN ISLANDS
12	10 0 5.34	51.33 N	179.36 E	37.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
12	10 2 21.54	51.05 N	178.32 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
12	14 30 51.90	34.26 N	117.55 W	9.0 T	5.4		SOUTHERN CALIFORNIA
12	16 12 20.30	53.14 N	172.08 E	29.0 T	4.5		NEAR ISLANDS, ALEUTIAN ISLANDS
12	16 46 26.15	51.04 N	178.44 W	50.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
12	19 18 40.15	51.53 N	179.90 E	149.4 F			RAT ISLANDS, ALEUTIAN ISLANDS
13	3 18 44.68	51.97 N	179.31 W	25.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
13	9 33 37.73	51.39 N	178.14 E	50.6 F			RAT ISLANDS, ALEUTIAN ISLANDS
13	12 20 59.48	51.26 N	178.90 E	37.0 F			RAT ISLANDS, ALEUTIAN ISLANDS
13	15 58 9.74	51.27 N	178.74 E	31.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
13	17 33 54.73	52.22 N	179.69 E	165.1 F			RAT ISLANDS, ALEUTIAN ISLANDS
13	17 49 5.73	51.49 N	178.97 E	76.2 F			RAT ISLANDS, ALEUTIAN ISLANDS

SEP 1970	ORIGIN TIME (GMT)	LAT	LONG	DEPTH* (KM)	MB	MS	GEOGRAPHIC REGION
13	18 15 50.13	51.72 N	178.54 E	83.1 F			RAT ISLANDS, ALEUTIAN ISLANDS
13	20 04 21.84	51.36 N	178.73 E	38.1 F			RAT ISLANDS, ALEUTIAN ISLANDS
13	21 10 23.00	40.22 N	125.14 W	33.0 T	5.4		OFF COAST OF NORTHERN CALIFORNIA
13	22 35 4.16	51.53 N	178.93 E	39.0 F			RAT ISLANDS, ALEUTIAN ISLANDS
13	23 40 33.12	51.34 N	179.59 E	17.4 F			RAT ISLANDS, ALEUTIAN ISLANDS
14	0 53 5.10	57. S	121.83 E	33.0 T	5.6		NORTHERN CELEBES
14	02 23 9.39	51.78 N	178.21 E	59.4 F			RAT ISLANDS, ALEUTIAN ISLANDS
14	6 43 42.61	51.43 N	177.69 E	150.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
14	11 15 51.50	40.89 N	131.44 E	533.0 T	4.6		SEA OF JAPAN
14	11 44 18.72	50.66 N	179.09 E	0.0 C			RAT ISLANDS, ALEUTIAN ISLANDS
14	12 57 31.55	51.46 N	179.21 W	50.0 C			DELAROF ISLANDS, ALEUTIAN ISLANDS
14	16 11 15.60	36.42 N	70.07 E	219.0 T	5.1		HINDU KUSH REGION
14	17 41 46.09	51.21 N	179.11 W	25.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
14	20 17 44.28	52.18 N	179.61 W	200.0 C			DELAROF ISLANDS, ALEUTIAN ISLANDS
15	01 06 36.62	51.39 N	179.24 W	50.0 C			DELAROF ISLANDS, ALEUTIAN ISLANDS
15	04 03 57.76	52.28 N	178.70 E	119.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
15	06 34 56.43	51.76 N	179.99 E	25.0 C			RAT ISLANDS, ALEUTIAN ISLANDS
15	7 5 3.91	52.30 N	179.97 E	175.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
15	07 06 25.98	51.75 N	179.97 E	25.0 C			RAT ISLANDS, ALEUTIAN ISLANDS
15	08 13 52.06	51.40 N	178.45 E	50.0 C			RAT ISLANDS, ALEUTIAN ISLANDS
15	09 36 10.50	20.53 S	178.84 W	615.0 T	5.1		FIJI ISLANDS REGION
15	10 55 19.20	8.72 N	127.22 E	33.0 T	5.5	5.4	PHILIPPINE ISLANDS REGION
15	11 43 19.35	51.08 N	178.42 E	34.9 F			RAT ISLANDS, ALEUTIAN ISLANDS
15	11 43 39.99	51.00 N	178.56 E	42.0 F			RAT ISLANDS, ALEUTIAN ISLANDS
15	13 44 48.66	52.20 N	177.59 E	100.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
15	14 07 47.32	51.33 N	177.78 E	25.0 C			RAT ISLANDS, ALEUTIAN ISLANDS
15	14 35 23.79	51.66 N	179.96 E	84.1 F			RAT ISLANDS, ALEUTIAN ISLANDS
15	15 35 13.25	51.58 N	178.88 E	77.5 F			RAT ISLANDS, ALEUTIAN ISLANDS
15	18 32 4.64	51.28 N	179.84 E	25.0 C			RAT ISLANDS, ALEUTIAN ISLANDS
15	18 34 15.69	51.27 N	179.85 E	25.0 C			RAT ISLANDS, ALEUTIAN ISLANDS
15	20 11 18.79	52.48 N	178.60 E	125.0 C			RAT ISLANDS, ALEUTIAN ISLANDS

SEP 1970	ORIGIN TIME (GMT)	LAT	LONG	DEPTH* (KM)	MB	MS	GEOGRAPHIC REGION
15	20 42 59.10	30.22 S	177.61 W	34.0 T	5.2	5.3	KERMADEC ISLANDS
16	1 15 28.04	51.09 N	178.31 E	69.0 F			RAT ISLANDS, ALEUTIAN ISLANDS
16	1 25 53.92	51.96 N	179.73 E	125.9 F			RAT ISLANDS, ALEUTIAN ISLANDS
16	1 49 20.50	13.01 N	144.43 E	47.0 T	6.0	5.7	MARIANA ISLANDS
16	2 49 32.55	51.67 N	178.37 E	122.6 F			RAT ISLANDS, ALEUTIAN ISLANDS
16	3 5 5.40	22.25 N	121.34 E	33.0 T	5.0		TAIWAN REGION
16	3 31 22.18	51.56 N	178.13 E	55.0 F			RAT ISLANDS, ALEUTIAN ISLANDS
16	4 0 8.10	5.13 S	130.38 E	33.0 T	5.4	5.3	BANDA SEA
16	4 30 38.56	51.73 N	179.98 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
16	6 19 14.27	51.11 N	179.32 E	33.0 F			RAT ISLANDS, ALEUTIAN ISLANDS
16	9 0 56.56	51.56 N	178.99 E	63.4 F			RAT ISLANDS, ALEUTIAN ISLANDS
16	13 58 44.91	51.26 N	179.99 E	22.6 F			RAT ISLANDS, ALEUTIAN ISLANDS
16	17 1 47.43	52.19 N	178.78 E	92.1 F			RAT ISLANDS, ALEUTIAN ISLANDS
16	22 56 53.75	51.82 N	179.15 E	192.3 F			RAT ISLANDS, ALEUTIAN ISLANDS
16	23 8 37.02	51.56 N	178.90 E	70.3 F			RAT ISLANDS, ALEUTIAN ISLANDS
16	23 34 36.20	51.26 N	179.23 W	25.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
16	23 40 39.87	51.25 N	179.31 W	25.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
17	2 41 39.02	62.78 N	150.37 W	94.0 T	3.9		CENTRAL ALASKA
17	3 0 20.91	51.77 N	179.92 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
17	8 43 13.59	51.60 N	179.57 E	79.6 F			RAT ISLANDS, ALEUTIAN ISLANDS
17	10 15 17.26	51.01 N	179.69 E	50.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
17	10 41 39.98	51.30 N	179.72 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
17	11 45 34.61	51.45 N	179.69 W	50.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
17	12 39 28.86	51.79 N	179.24 E	170.9 F			RAT ISLANDS, ALEUTIAN ISLANDS
17	13 25 34.09	51.41 N	179.05 E	73.5 F			RAT ISLANDS, ALEUTIAN ISLANDS
17	13 25 43.73	51.41 N	179.53 W	69.4 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
17	15 33 5.63	51.34 N	178.88 E	24.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
17	15 37 28.26	51.36 N	178.74 E	36.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
17	17 13 21.83	51.51 N	177.65 E	50.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
17	20 20 8.19	51.44 N	178.86 E	63.5 F			RAT ISLANDS, ALEUTIAN ISLANDS
18	0 57 48.67	51.07 N	179.07 E	28.3 F			RAT ISLANDS, ALEUTIAN ISLANDS

SEP 1970	ORIGIN TIME (GMT)	LAT	LONG	DEPTH* (KM)	MB	MS	GEOGRAPHIC REGION
18	4 15 34.74	51.15 N	179.31 W	50.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
18	4 48 14.99	50.45 N	178.89 E	50.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
18	5 26 45.97	51.23 N	178.87 E	23.5 F			RAT ISLANDS, ALEUTIAN ISLANDS
18	23 31 52.44	51.14 N	179.27 E	30.3 F			RAT ISLANDS, ALEUTIAN ISLANDS
19	0 42 55.86	52.56 N	179.01 E	100.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
19	0 44 1.20	32.41 N	137.71 E	365.0 T	5.1		SOUTH OF HONSHU, JAPAN
19	2 21 7.20	51.62 N	167.61 W	33.0 T	4.5		FOX ISLANDS, ALEUTIAN ISLANDS
19	2 25 31.00	60.94 N	151.55 W	66.0 T	4.6		KENAI PENINSULA, ALASKA
19	5 3 28.14	63.27 N	150.99 W	33.0 T	3.9		CENTRAL ALASKA
19	5 48 50.56	51.48 N	178.62 W	50.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
19	6 25 59.67	51.08 N	179.78 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
19	10 30 31.28	52.67 N	179.90 E	125.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
19	11 5 3.75	51.44 N	179.54 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
19	14 45 23.19	52.14 N	178.33 E	146.5 F			RAT ISLANDS, ALEUTIAN ISLANDS
19	16 43 37.20	51.72 N	176.50 E	45.0 T	4.3		RAT ISLANDS, ALEUTIAN ISLANDS
19	18 9 55.85	51.88 N	179.68 W	42.2 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
19	18 18 42.42	51.81 N	179.08 W	50.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
19	19 39 2.73	50.23 N	178.43 E	75.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
19	19 51 .77	51.97 N	179.26 W	25.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
19	23 0 20.77	51.60 N	179.72 E	60.5 F			RAT ISLANDS, ALEUTIAN ISLANDS
19	23 18 37.78	51.66 N	179.33 E	103.6 F			RAT ISLANDS, ALEUTIAN ISLANDS
20	2 19 15.87	51.40 N	178.24 E	56.6 F			RAT ISLANDS, ALEUTIAN ISLANDS
20	2 30 4.89	51.48 N	179.14 W	50.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
20	3 6 33.96	51.13 N	179.58 E	29.4 F			RAT ISLANDS, ALEUTIAN ISLANDS
20	6 6 33.95	51.50 N	179.48 E	18.3 F			RAT ISLANDS, ALEUTIAN ISLANDS
20	8 53 23.06	51.63 N	177.80 E	68.3 F			RAT ISLANDS, ALEUTIAN ISLANDS
20	10 43 29.29	51.36 N	178.75 E	36.6 F			RAT ISLANDS, ALEUTIAN ISLANDS
20	10 37 48.50	29.51 N	141.33 E	33.0 T	5.0		SOUTH OF HONSHU, JAPAN
20	11 11 19.13	51.14 N	179.38 W	75.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
20	12 49 17.16	50.86 N	179.40 E	24.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
20	17 2 42.00	16.45 N	97.28 W	33.0 T	5.0	4.1	OAXACA, MEXICO

SEP 1970	ORIGIN TIME (GMT)	LAT	LONG	DEPTH* (KM)	MB	MS	GEOGRAPHIC REGION
20	17 49 21.60	51.49 N	176.20 E	16.0 T	4.2		RAT ISLANDS, ALEUTIAN ISLANDS
20	18 58 28.66	52.26 N	178.32 E	150.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
20	19 23 50.41	51.43 N	178.81 E	43.7 F			RAT ISLANDS, ALEUTIAN ISLANDS
20	20 39 50.90	51.68 N	180.00 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
20	21 18 25.81	51.41 N	178.67 W	75.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
20	22 39 35.93	51.23 N	178.11 E	34.4 F			RAT ISLANDS, ALEUTIAN ISLANDS
20	23 10 8.91	50.97 N	179.98 W	50.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
21	0 18 25.21	52.08 N	179.51 E	176.9 F			RAT ISLANDS, ALEUTIAN ISLANDS
21	1 13 31.79	51.55 N	179.52 W	99.6 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
21	1 53 35.39	51.46 N	178.72 E	66.7 F			RAT ISLANDS, ALEUTIAN ISLANDS
21	2 5 55.63	51.43 N	178.73 E	0.0 F			RAT ISLANDS, ALEUTIAN ISLANDS
21	2 6 59.42	51.37 N	179.50 E	55.3 F			RAT ISLANDS, ALEUTIAN ISLANDS
21	4 4 19.48	52.11 N	179.12 E	156.4 F			RAT ISLANDS, ALEUTIAN ISLANDS
21	5 28 21.10	51.26 N	179.77 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
21	16 31 51.24	51.37 N	178.78 E	37.4 F			RAT ISLANDS, ALEUTIAN ISLANDS
22	1 0 38.60	51.18 N	179.14 E	39.0 F			RAT ISLANDS, ALEUTIAN ISLANDS
22	1 14 46.77	51.62 N	178.99 W	75.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
22	1 50 15.23	51.68 N	179.25 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
22	3 25 1.00	51.28 N	178.72 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
22	9 43 46.46	51.31 N	179.78 E	56.5 F			RAT ISLANDS, ALEUTIAN ISLANDS
22	19 23 54.56	51.47 N	179.40 W	143.9 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
22	20 38 39.68	51.99 N	178.68 W	200.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
22	22 29 41.48	51.59 N	179.94 E	67.3 F			RAT ISLANDS, ALEUTIAN ISLANDS
22	22 35 49.80	52.36 N	169.54 W	33.0 T	4.6		FOX ISLANDS, ALEUTIAN ISLANDS
23	1 32 56.51	51.69 N	179.55 E	52.7 F			RAT ISLANDS, ALEUTIAN ISLANDS
23	4 44 46.85	51.44 N	179.65 E	16.6 F			RAT ISLANDS, ALEUTIAN ISLANDS
23	6 27 22.64	51.94 N	179.20 W	25.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
23	8 57 37.71	51.13 N	178.85 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
23	10 51 9.02	51.45 N	179.24 E	33.0 F			RAT ISLANDS, ALEUTIAN ISLANDS
23	12 6 39.60	58.41 N	155.37 W	100.0 T	4.6		ALASKA PENINSULA
23	12 4 54.20	6.47 S	154.62 E	39.0 I	5.7	6.5	SOLGOMON ISLANDS

SEP 1970	ORIGIN TIME (GMT)	LAT	LONG	DEPTH* (KM)	MB	MS	GEOGRAPHIC REGION
23	12 27 3.09	51.16 N	178.63 E	50.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
23	18 5 28.16	51.32 N	179.83 E	33.7 F			RAT ISLANDS, ALEUTIAN ISLANDS
23	18 8 48.17	51.98 N	179.29 W	25.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
23	18 45 27.86	51.08 N	178.82 E	0.0 C			RAT ISLANDS, ALEUTIAN ISLANDS
23	20 27 .46	51.21 N	178.52 E	30.6 F			RAT ISLANDS, ALEUTIAN ISLANDS
23	21 2 54.60	51.35 N	179.42 W	43.0 T	5.2		DELAROF ISLANDS, ALEUTIAN ISLANDS
23	21 9 21.45	50.98 N	179.49 W	25.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
23	21 10 11.62	51.19 N	178.49 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
23	21 13 24.85	50.88 N	179.57 W	25.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
23	21 14 21.20	51.15 N	178.50 E	0.0 C			RAT ISLANDS, ALEUTIAN ISLANDS
23	21 15 24.81	50.92 N	179.64 W	50.0 C			DELAROF ISLANDS, ALEUTIAN ISLANDS
23	21 20 10.29	50.92 N	179.61 W	25.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
23	21 28 3.14	51.53 N	179.46 E	147.8 F			RAT ISLANDS, ALEUTIAN ISLANDS
23	21 43 47.30	51.11 N	179.58 W	25.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
23	21 45 58.22	51.28 N	179.85 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
23	21 47 27.71	50.95 N	179.57 W	25.0 C			DELAROF ISLANDS, ALEUTIAN ISLANDS
23	21 50 35.97	51.07 N	179.46 W	25.0 C			DELAROF ISLANDS, ALEUTIAN ISLANDS
23	21 57 22.51	50.94 N	179.56 W	25.0 C			DELAROF ISLANDS, ALEUTIAN ISLANDS
23	22 48 33.80	13.51 N	90.09 W	80.0 T	4.7		NEAR COAST OF GUATEMALA
23	22 56 .10	13.52 N	90.08 W	83.0 T	4.6		NEAR COAST OF GUATEMALA
23	23 17 29.53	51.09 N	179.44 W	25.0 C			DELAROF ISLANDS, ALEUTIAN ISLANDS
23	23 11 58.50	6.55 S	154.68 E	47.0 T	5.3	5.9	SOLOMON ISLANDS
24	2 46 38.81	51.43 N	178.81 E	45.6 F			RAT ISLANDS, ALEUTIAN ISLANDS
24	2 52 43.33	51.59 N	179.25 W	25.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
24	3 4 29.68	51.57 N	179.64 W	25.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
24	4 2 9.93	52.53 N	179.48 W	200.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
24	6 29 35.70	6.63 S	154.73 E	42.0 T	5.1	5.4	SOLOMON ISLANDS
24	8 51 31.89	51.75 N	179.95 W	25.0 C			DELAROF ISLANDS, ALEUTIAN ISLANDS
24	9 7 51.92	52.15 N	178.48 E	144.0 F			RAT ISLANDS, ALEUTIAN ISLANDS
24	9 23 56.12	51.43 N	179.48 E	60.1 F			RAT ISLANDS, ALEUTIAN ISLANDS
24	10 38 11.77	51.13 N	178.65 E	12.3 F			RAT ISLANDS, ALEUTIAN ISLANDS

SEP 1970	ORIGIN TIME (GMT)	LAT	LONG	DEPTH* (KM)	MB	MS	GEOGRAPHIC REGION
24	12 4 40.95	51.90 N	178.51 E	103.8 F			RAT ISLANDS, ALEUTIAN ISLANDS
24	12 44 14.39	51.85 N	178.32 E	93.9 F			RAT ISLANDS, ALEUTIAN ISLANDS
24	13 8 52.66	52.28 N	179.73 E	200.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
24	13 18 39.39	51.86 N	179.08 E	92.7 F			RAT ISLANDS, ALEUTIAN ISLANDS
24	15 51 11.98	51.45 N	177.67 E	150.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
24	17 28 15.67	52.54 N	178.54 E	150.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
24	19 2 39.10	51.12 N	179.09 W	25.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
24	21 45 15.91	50.99 N	179.26 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
25	7 33 36.19	50.88 N	179.84 W	25.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
25	8 27 12.76	52.08 N	179.58 W	100.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
25	9 49 53.85	51.03 N	179.00 E	25.8 F			RAT ISLANDS, ALEUTIAN ISLANDS
25	12 8 59.85	51.43 N	179.48 W	0.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
25	17 13 1.82	52.15 N	179.42 E	182.3 F			RAT ISLANDS, ALEUTIAN ISLANDS
25	19 3 13.52	50.64 N	179.86 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
26	0 28 23.52	52.05 N	178.85 E	122.7 F			RAT ISLANDS, ALEUTIAN ISLANDS
26	2 19 27.18	51.10 N	179.15 W	25.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
26	4 7 35.25	51.37 N	178.82 E	54.0 F			RAT ISLANDS, ALEUTIAN ISLANDS
26	4 33 19.78	51.43 N	178.46 E	30.0 F			RAT ISLANDS, ALEUTIAN ISLANDS
26	5 46 40.29	51.03 N	178.46 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
26	7 4 20.17	51.23 N	179.67 W	25.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
26	8 36 11.11	51.19 N	179.14 W	25.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
26	8 39 8.45	51.91 N	176.86 E	75.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
26	9 22 25.91	52.13 N	178.91 W	100.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
26	10 31 2.60	51.19 N	178.64 E	30.1 F			RAT ISLANDS, ALEUTIAN ISLANDS
26	10 37 21.36	52.33 N	177.91 E	125.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
26	12 2 29.30	6.21 N	77.59 W	8.0 T	6.1	6.6	NEAR WEST COAST OF COLOMBIA
26	12 34 24.14	51.20 N	178.67 E	32.7 F			RAT ISLANDS, ALEUTIAN ISLANDS
26	12 49 59.18	51.56 N	177.70 E	125.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
26	13 58 10.61	51.55 N	179.40 E	88.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
26	14 25 56.20	51.08 N	179.45 W	25.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
26	14 56 1.63	52.35 N	178.34 E	175.0 D			RAT ISLANDS, ALEUTIAN ISLANDS

SEP 1970	ORIGIN TIME (GMT)	LAT	LONG	DEPTH* (KM)	MB	MS	GEOGRAPHIC REGION
26	14 57 2.20	6.27 N	177.37 W	14.0 T	5.3	5.4	NEAR WEST COAST OF COLOMBIA
26	15 32 54.24	51.64 N	179.55 W	75.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
26	18 02 33.32	52.23 N	178.38 E	145.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
26	23 42 50.00	51.65 N	177.61 E	125.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
27	0 11 33.70	52.11 N	177.91 E	150.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
27	0 39 39.65	51.08 N	179.18 E	21.9 F			RAT ISLANDS, ALEUTIAN ISLANDS
27	0 52 41.43	51.49 N	178.92 E	194.9 F			RAT ISLANDS, ALEUTIAN ISLANDS
27	1 46 26.02	51.23 N	179.85 W	25.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
27	3 38 36.20	6.43 N	77.41 W	8.0 T	5.8	6.5	NEAR WEST COAST OF COLOMBIA
27	4 0 23.74	51.39 N	178.38 E	59.0 F			RAT ISLANDS, ALEUTIAN ISLANDS
27	5 16 5.29	51.73 N	179.41 E	199.1 F			RAT ISLANDS, ALEUTIAN ISLANDS
27	8 55 9.50	5.16 S	152.78 E	50.0 T	5.0		NEW BRITAIN REGION
27	13 9 59.42	51.20 N	179.54 W	25.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
28	4 21 49.80	54.48 N	164.49 W	77.0 T	5.0		UNIMAK ISLAND REGION
28	7 47 11.69	51.40 N	179.48 W	25.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
28	9 9 41.50	55.11 N	162.64 E	33.0 T	4.4		OFF EAST COAST OF KAMCHATKA
28	17 22 12.10	53.33 N	158.74 E	118.0 T	5.4		NEAR EAST COAST OF KAMCHATKA
28	20 6 24.55	52.67 N	179.54 W	125.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
29	0 2 46.53	51.39 N	179.50 W	25.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
29	2 33 1.86	51.43 N	179.27 E	65.8 F			RAT ISLANDS, ALEUTIAN ISLANDS
29	4 42 46.60	11.47 N	85.48 W	192.0 T	5.4		NICARAGUA
29	5 11 21.36	51.57 N	177.59 E	50.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
29	6 3 26.00	13.52 S	166.55 E	59.0 T	5.8		NEW HEBRIDES ISLANDS
29	6 48 46.00	51.37 N	176.59 E	33.0 T	4.0		RAT ISLANDS, ALEUTIAN ISLANDS
29	9 9 16.76	52.23 N	179.57 E	165.3 F			RAT ISLANDS, ALEUTIAN ISLANDS
29	11 7 51.54	51.64 N	179.34 E	182.6 F			RAT ISLANDS, ALEUTIAN ISLANDS
29	13 11 52.13	50.97 N	178.16 E	37.7 F			RAT ISLANDS, ALEUTIAN ISLANDS
29	21 21 6.91	52.35 N	179.78 E	125.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
30	6 32 24.90	51.39 N	179.71 E	73.0 T	3.9		RAT ISLANDS, ALEUTIAN ISLANDS
30	14 6 36.68	51.40 N	179.30 E	62.3 F			RAT ISLANDS, ALEUTIAN ISLANDS
30	16 24 27.39	52.21 N	179.92 W	200.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS

SEP 1970	ORIGIN TIME (GMT)	LAT	LONG	DEPTH* (KM)	MB	MS	GEOGRAPHIC REGION
30	18 14 35.90	58.38 N	155.28 W	101.0 T	4.5		ALASKA PENINSULA
30	19 31 24.53	51.22 N	178.77 E	22.0 F			RAT ISLANDS, ALEUTIAN ISLANDS
30	19 32 26.04	51.33 N	178.88 E	33.9 F			RAT ISLANDS, ALEUTIAN ISLANDS
30	22 30 15.08	51.22 N	179.31 E	53.8 F			RAT ISLANDS, ALEUTIAN ISLANDS

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

SEISMICITY MAPS

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

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

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

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

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

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

DEPTH OF FOCUS (km)

0-50

50-100

100-150

150-200

200-250

$m_B = 3.0$

*

□

×

◇

+

$m_B = 4.0$

*

□

×

◇

+

$m_B = 5.0$

*

□

×

◇

+

$m_B = 6.0$

*

□

×

◇

+

$m_B = 7.0$

*

□

×

◇

+