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MASTER

ALEUTIAN SEISMIC PROGRAM
SEISMOLOGICAL BULLETIN
AUGUST 1970

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

FEBRUARY 1971

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 COMPILATION IS PRELIMINARY AND MAY BE SUBJECT TO LATER REVISION ON THE BASIS OF CURRENT RESEARCH.

DESCRIPTION OF COLUMN HEADINGS

DATE - DAY, MONTH, AND YEAR IN GREENWICH MEAN TIME (GMT)
 STA - STATION CODE
 PHASE - NAME OF PHASE REPORTED
 I OR E INDICATES THE CHARACTER OF PHASE ARRIVAL
 C OR D IN THE FOURTH CHARACTER INDICATES DIRECTION OF FIRST MOTION
 TIME - ARRIVAL TIME OF PHASE IN HOURS, MINUTES, AND SECONDS (GMT)
 AMP - GROUND DISPLACEMENT OF PHASE IN MILLIMICRONS
 AMPLITUDES REPORTED WITH S PHASES ARE MAXIMUM SURFACE WAVE
 DISPLACEMENTS
 PER - PERIOD OF PHASE IN SECONDS
 MAG - STATION MAGNITUDE DEFINED BY
 $M6.6 = -6.4 + \log_{10}(AMP/PER) + 3.70 \cdot \log_{10}(DIST)$
 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
SMY	SHEMYA	17/11/70-	52 43 51.0 N	174 06 11.0 E	58
SSI	SEKISOPCHNOI 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

AUG 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
01	ADK	IP C	00 05 51.2							
		IS	00 06 14.6							
01	ASD	IP D	00 06 20.9	39.6	.1					
		I(S)	00 07 5.8							
01	ASB	IP	00 06 21.7	69.6	.1					
		IS	00 07 6.5							
01	ASC	IP	00 06 22.5							
01	AND	IP	00 06 23.1							
		IS	00 07 9.9							
01	ANA	IP	00 06 25.5							
01	ADK	IP D	10 45 43.7							
		IS	10 45 50.8							
01	ASD	IP D	10 46 12.4	8.8	.1					
		ES	10 46 43.5							
01	ASB	IP D	10 46 13.4	15.6	.1					
		ES	10 46 43.7							
01	AND	IP	10 46 14.2							
		ES	10 46 49.0							
01	ASC	IP	10 46 14.4							
01	ANA	IPND	10 46 18.6							
01	ANA	EPN	13 03 31.6							TELESEISMIC
01	AND	EPN	13 03 34.4							
01	ASB	EPN	13 03 37.2							
01	ASD	EPN	13 03 37.9							

.....

01	20 37 14.85	52.39 N 179.98 W	DEPTH = 125.0 KM	FIXED DEPTH SOLUTION		
DEAROF ISLANDS, ALEUTIAN ISLANDS						
01	AND	IP D	20 37 37.9		117 38	-.0
		IS	20 37 54.9			.1
01	ASD	IP C	20 37 38.2	71.7 .2	121 22	-.1
		IS	20 37 55.4			-.1
01	ASC	IP	20 37 38.4		118 29	.3
01	ANA	IP	20 37 38.6		125 47	-.1
01	ASB	IP	20 37 38.7	35.4 .1	126 25	-.0
		IS	20 37 55.3			-.9

.....

01	ADK	EP	20 45 57.0
		ES	20 46 48.9

.....

02	5 24 25.93	50.76 N 179.70 W	DEPTH = 25.0 KM	FIXED DEPTH SOLUTION		
DEAROF ISLANDS, ALEUTIAN ISLANDS						
02	ASD	EP	05 24 41.7		96 135	-.1
02	ASB	EP	05 24 42.3		99 132	-.1
		E(S)	05 24 54.3			-.0
02	ASC	IP	05 24 44.3		111 134	.2

.....

02	ASD	EPN	06 59 33.0
		ES	06 59 51.9
02	ASB	EPN	06 59 33.8
02	ASC	EPN	06 59 35.3
02	ANA	EPN	06 59 40.4

.....

02	7 50 17.37	50.56 N 179.32 E	DEPTH = 0.0 KM	FIXED DEPTH SOLUTION		
RAT ISLANDS, ALEUTIAN ISLANDS						
02	ASD	EPG	07 50 33.2	2.0 .1 2.15	91 181	-.4
		ES	07 50 44.4			-1.0
02	ASB	EPG	07 50 34.1		90 177	.7
		ES	07 50 46.0			1.0
02	ASC	EPG	07 50 35.2		101 174	.1

.....

AUG 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
. 02	ANA	EPG	07 50 38.8				128	159	-.3	
.....										
. 02	9	1	5.40	51.70 N	176.88 W	DEPTH = 52.0 KM	MB = 4.0	TELESEISMIC SOLUTION		
ANDREANOF ISLANDS, ALEUTIAN IS.										
. 02	ADK	IP D	09 01 14.6				29	225	.1	FELT IV ML 4.6
		IS	09 01 22.1						1.0	
. 02	ASD	IPN	09 01 42.4				264	81	.2	LARGE ENOUGH TO
. 02	ASB	IPN	09 01 43.1				271	81	.0	OVERDRIVE 1 AND
. 02	ASC	IPN	09 01 44.2				275	83	.6	3 LEVELS.
. 02	AND	IPN	09 01 45.8				288	85	.6	
. 02	ANA	IPN	09 01 48.6				308	87	.9	
.....										
02	ADK	EP	09 47 55.7							
		ES	09 48 13.9							
02	ASD	EP	09 48 20.7	1.7	.1					
02	ASB	IP	09 48 21.6	2.6	.1					
		ES	09 48 58.3							
02	ASC	EP	09 48 22.2							
		ES	09 48 59.8							
02	AND	EP	09 48 23.2							
02	ANA	IP C	09 48 25.3							
02	ADK	EP	10 30 16.3							
		ES	10 30 31.6							
02	ASD	EP	10 30 20.2	17.1	.2					
		ES	10 30 41.3							
02	ASB	EP	10 30 21.8	17.8	.2					
		ES	10 30 42.4							
02	ASC	EP	10 30 23.2							
02	AND	I(P)	10 30 23.9							
		ES	10 30 46.6							
		EL	10 30 52.4							
02	ANA	EP	10 30 28.5							
.....										
. 02	15 27	37.71	51.71 N	178.66 E	DEPTH = 200.0 KM	FIXED DEPTH SOLUTION				
RAT ISLANDS, ALEUTIAN ISLANDS										
. 02	ANA	IP	15 28 4.0				9	1	.0	SMALL AND POOR
		ES	15 28 19.7						-3.4	
. 02	AND	EP	15 28 4.1				26	309	-.1	RECORDING.
		ES	15 28 21.4						-2.1	
. 02	ASC	EP	15 28 4.6				44	308	.0	
. 02	ASB	EP	15 28 4.9				56	314	-.0	
. 02	ASD	EP	15 28 5.1				60	308	.0	
		ES	15 28 23.1						-1.9	
.....										
02	ASD	EPN	18 30 49.4							SMALL
		ES	18 31 10.3							
02	ASB	EPN	18 30 51.0							
02	ASC	EPN	18 30 53.0							
02	AND	EPN	18 30 54.6							
02	ANA	EPN	18 30 54.9							
02	ASD	EPN	18 39 40.7							POORLY RECORDED
		ES	18 40 1.7							
02	ASB	EPN	18 39 41.4							
02	ANA	EPN	18 39 48.3							

AUG 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
02	18 52 49.75		51.67 N 179.73 W	DEPTH = 65.3 KM			FREE DEPTH SOLUTION			
DEAROF ISLANDS, ALEUTIAN ISLANDS										
02	ASD	IPG	18 53 3.9	3.5	.1		72	63	.0	
		IS	18 53 13.6						-.6	
02	ASB	EPG	18 53 4.6	2.4	.1		79	63	.0	
		IS	18 53 15.6						.2	
02	ASC	IPG	18 53 4.9				80	73	.2	
		IS	18 53 16.0						.4	
02	AND	EPG	18 53 5.7				92	82	-.3	
		IS	18 53 18.1						.3	
02	ANA	EPG	18 53 8.3				111	87	.1	
		IS	18 53 21.4						-.3	
.....										
02	21 49 24.25		50.91 N 178.64 E	DEPTH = 0.0 KM			FIXED DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
02	ASC	IPG	21 49 37.0				72	211	-.3	
		IS	21 49 46.5						-.2	
02	ASB	IPGD	21 49 37.0				66	221	.8	
02	ASD	IPG	21 49 37.0	1.7	.1	1.68	71	224	-.2	
		ES	21 49 46.5						-.2	
02	ANA	IPGD	21 49 38.4				80	181	-.3	
		IS	21 49 49.7						.4	
.....										
02	ADK	EP	22 06 42.6							
		ES	22 06 49.9							
.....										
03	0 33 54.30		15.93 S 173.94 W	DEPTH = 120.0 KM MB = 5.4			TELESEISMIC SOLUTION			
TONGA ISLANDS										
03	ADK	EP C	00 44 39.2				7512	177		
.....										
03	ASD	IPN	01 11 10.2							
		EPG	01 11 12.2	4.1	.1					
		EL	01 11 44.1							
03	ASB	EPG	01 11 13.1	4.1	.2					
03	ASC	IPG	01 11 14.7							
03	AND	IPG	01 11 17.0							
03	ASB	EP	01 55 53.5							
03	ASD	EP	01 55 53.7							TELE,V.EMERGENT
.....										
03	7 1 11.90		7.93 S 158.72 E	DEPTH = 67.0 KM MB = 5.9			TELESEISMIC SOLUTION			
SOLOMON ISLANDS										
03	ASB	EP	07 11 23.5	10.0	.4		6855	203		
03	ASD	EP	07 11 23.8				6859	203		TELE
03	ANA	EP	07 11 24.2				6867	203		OP
03	AND	EP	07 11 24.9				6868	203		
03	ADK	IP D	07 11 34.0				7032	208		
		ES	07 20 10.0							
		ER	07 29 50.0							
.....										
03	ANA	IPGC	08 15 33.6							
		E(S)	08 15 40.0							
03	AND	IPGC	08 15 34.7							
03	ASC	EPG	08 15 36.3							QP

AUG 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
03	8 24	1.00	51.64 N 177.77 E	DEPTH = 125.0 KM			FIXED DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
03	ANA	IP 0	08 24 20.0				61	271	.1	
03	AND	IP	08 24 20.9				82	276	-.3	
03	ASC	EP	08 24 22.8				98	282	.3	
03	ASB	EP	08 24 23.1	1.6	.1		107	287	-.1	QP
		E(S)	08 24 39.4						.0	
03	ASD	EP	08 24 23.6				112	285	-.1	
.....										
03	ANA	IPND	08 36 52.8							
		IPG	08 36 53.7							
		IS	08 37 9.8							
03	AND	EPN	08 36 55.5							
		IPG	08 36 56.3							
		ES	08 37 14.0							
03	ASC	EPN	08 36 58.6							
03	ASB	EP	08 37 0.0	1.6	.1					QP
03	ASD	IP	08 37 .6	4.9	.2					
.....										
03	9 59	6.03	51.32 N 179.99 W	DEPTH = 25.0 KM			FIXED DEPTH SOLUTION			
DELAROF ISLANDS, ALEUTIAN ISLANDS										
03	ASD	EP	09 59 14.6	.7	.1	.64	47	98	-.2	
		ES	09 59 21.0						-.2	
03	ASB	EP	09 59 15.8	1.0	.1	1.00	54	95	.1	
		ES	09 59 22.9						.2	
03	ASC	EP	09 59 16.9				61	105	.1	
.....										
03	AND	IP	10 21 50.0							
.....										
03	10 39	36.12	51.91 N 179.40 W	DEPTH = 75.0 KM			FIXED DEPTH SOLUTION			
DELAROF ISLANDS, ALEUTIAN ISLANDS										
03	ASD	EP	10 39 54.2	2.0	.1		105	55	-.2	
		ES	10 40 7.5						-.2	
03	ASB	EP	10 39 55.3				112	56	.2	
		IS	10 40 8.9						-.1	
03	ASC	EP	10 39 55.3				111	63	.3	
		ES	10 40 9.1						.3	
03	AND	IP	10 39 55.9				120	70	-.1	
03	ANA	IP	10 39 57.9				137	76	-.1	
		ES	10 40 14.0						.0	
.....										
03	ANA	IP C	11 02 15.9							
		E	11 02 29.7							
03	ASC	EP	11 02 18.5							
03	ASB	EP	11 02 19.0	.9	.1					QP
		E	11 02 34.6							
03	ASD	IP 0	11 02 19.1	1.3	.1					
.....										
03	11 25	1.16	51.74 N 179.45 W	DEPTH = 100.0 KM			FIXED DEPTH SOLUTION			
DELAROF ISLANDS, ALEUTIAN ISLANDS										
03	ASD	IP C	11 25 19.8	1.8	.1		93	64	-.2	
03	ASB	EP	11 25 20.6				99	64	.0	QS
		ES	11 25 34.8						.1	
03	ASC	EP	11 25 20.8				100	72	.1	
03	AND	EP	11 25 21.8				112	79	.0	
03	ANA	IP C	11 25 23.7				131	84	-.0	
		ES	11 25 40.1						-.1	
.....										

AUG 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
03	ASB	EP	12 52 28.6	6.3	.4					
03	ASD	EP	12 52 28.7	6.6	.4					
03	ASC	EP	12 52 29.6							TELE
03	ANA	EP	12 52 30.0							
03	AND	EP	12 52 30.6							
03	ASD	IP C	15 32 4.5	2.7	.1					
		E	15 32 17.6							
03	ASB	EP	15 32 5.2	1.7	.1					
03	ASC	EP	15 32 6.7							QS
		E	15 32 21.2							
03	AND	EP	15 32 8.5							
.....										
03	16 42 15.90	51.20 N 178.41 E	DEPTH = 25.0 KM	FIXED DEPTH SOLUTION						
RAT ISLANDS, ALEUTIAN ISLANDS										
03	ANA	IP D	16 42 25.5				51	200	.3	
		ES	16 42 31.8						-.2	
03	ASC	EP	16 42 25.6				60	241	-1.0	
03	AND	IP C	16 42 26.0				56	223	.1	
03	ASB	IP D	16 42 26.8	4.4	.1	1.86	61	253	.1	
		IS	16 42 34.8						.3	
03	ASD	IP	16 42 27.9	2.2	.1	1.73	68	253	.2	
		ES	16 42 36.3						.1	
.....										
03	ANA	EP	19 18 37.7							
03	AND	EP	19 18 39.5							
03	ASB	EP	19 18 42.5							
03	ASD	EP	19 18 42.7							POOR
03	ASD	IP D	21 06 47.4	4.1	.1					
		ES	21 07 3.9							
03	ADK	EP	21 29 33.2							
		ES	21 29 49.6							
.....										
03	22 30 2.50	2.60 N 97.98 E	DEPTH = 38.0 KM	TELESEISMIC SOLUTION						
NORTHERN SUMATRA										
03	AND	EP	22 42 23.3				9157	265		
03	ASD	EP	22 42 23.4				9182	265		TELE, EMERGENT
03	ASB	EP	22 42 23.7				9176	265		
03	ADK	EP	22 42 37.2				9468	268		
		E	22 42 53.4							
.....										
04	3 25 7.24	51.08 N 178.97 E	DEPTH = 16.1 KM	FREE DEPTH SOLUTION						
RAT ISLANDS, ALEUTIAN ISLANDS										
04	ASB	IPGD	03 25 14.1	7.4	.1	1.26	37	212	.0	
		IS	03 25 19.0						-.0	
04	ASD	IPGD	03 25 14.8	6.9	.1	1.44	42	219	-.1	
		IS	03 25 20.3						-.1	
04	ASC	IPG	03 25 15.4				45	198	.2	
		IS	03 25 21.3						.2	
04	AND	IPGD	03 25 16.5				53	179	-.1	
		IS	03 25 23.3						-.1	
04	ANA	IPGC	03 25 18.2				64	161	.0	

AUG 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
04	4	32	12.54	51.15 N	178.98 E	DEPTH = 25.0 KM				FIXED DEPTH SOLUTION
RAT ISLANDS, ALEUTIAN ISLANDS										
04	ASB	EPG	04 32 19.1				30	218	.1	
		ES	04 32 23.7						.0	
04	ASD	EPG	04 32 19.6	2.0	.1	.63	36	224	-.1	
		IS	04 32 24.9						-.0	
04	ANA	EPG	04 32 22.8				58	157	-.0	
.....										
.....										
04	9	41	51.75	50.98 N	178.09 E	DEPTH = 75.0 KM				FIXED DEPTH SOLUTION
RAT ISLANDS, ALEUTIAN ISLANDS										
04	ASB	EPG	09 42 8.6	9.0	.2		91	243	.1	INTERFERENCE
		IS	09 42 20.6						-.1	
04	ASD	E(P)	09 42 9.4				98	244	.2	
		IS	09 42 21.8						-.2	
04	ANA	IPG	09 42 7.3				82	209	-.3	HIGH WIND
		IS	09 42 19.4						.3	
.....										
.....										
04	11	29	59.60	53.33 N	166.86 W	DEPTH = 46.0 KM MB = 4.8				TELESEISMIC SOLUTION
FOX ISLANDS, ALEUTIAN ISLANDS										
04	ADK	EP D	11 31 30.4				678	72		
		ES	11 32 44.1							
04	ASD	EPN	11 32 5.2				964	72		TELESEISMIC
		P(G)	11 32 10.1							
04	ASB	EPN	11 32 5.2				971	72		
04	AND	IPN	11 32 8.1				983	73		
.....										
.....										
04	17	57	1.84	51.44 N	179.58 W	DEPTH = 50.0 KM				FIXED DEPTH SOLUTION
DELAOF ISLANDS, ALEUTIAN ISLANDS										
04	ASD	IPG	17 57 15.4	3.4	.1	2.07	75	84	-.1	
		IS	17 57 25.6						.1	
04	ASB	IPG	17 57 16.4	4.3	.1	2.31	82	84	.1	
		IS	17 57 26.7						-.1	
04	AND	EPG	17 57 18.8				102	97	-.0	
.....										
.....										
04	18	41	13.66	51.10 N	179.11 E	DEPTH = 19.4 KM				FREE DEPTH SOLUTION
RAT ISLANDS, ALEUTIAN ISLANDS										
04	ASB	IPGD	18 41 19.8				30	199	.1	VERY LARGE. AMP
		IS	18 41 24.1						-.1	
04	ASD	IPGD	18 41 20.2				35	208	-.1	UNREADABLE ON
04	ASC	IPG	18 41 21.3				40	186	.2	ALL LEVELS.
04	AND	IPGD	18 41 22.9				52	168	-.0	
04	ANA	IPG	18 41 24.9				66	152	-.1	
.....										
.....										
04	22	24	55.94	51.29 N	179.19 W	DEPTH = 25.0 KM				FIXED DEPTH SOLUTION
DELAOF ISLANDS, ALEUTIAN ISLANDS										
04	ASD	IPGD	22 25 12.8	3.5	.1	2.58	102	95	-.0	
		IS	22 25 24.5						-.6	
04	ASB	IPGD	22 25 13.8	5.4	.1	2.87	109	93	.0	
		IS	22 25 27.0						.3	
04	ASC	IPG	22 25 14.8				116	99	.0	
		IS	22 25 28.9						.4	
04	AND	IPG	22 25 17.2				132	102	-.1	

AUG 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
		ES	22 25 32.7						-0.1	
04	ASD	IP D	23 15 39.0	2.9	.1					
		IS	23 15 55.4							
04	ASB	IP	23 15 39.1	2.7	.1					
		IS	23 15 55.7							
04	ANA	EP	23 15 44.4							
		ES	23 16 4.0							
05	ASD	EP	01 57 49.4	1.5	.1					
		ES	01 58 5.3							
05	ASB	EP	01 57 50.2							
		ES	01 58 6.4							
05	ASC	EP	01 57 52.1							
		ES	01 58 10.0							
05	3 9	8.06	52.18 N 178.51 E	DEPTH = 50.0 KM						FIXED DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
05	ANA	EP	03 09 20.4				62	350	.2	
		ES	03 09 28.9						-0.2	
05	AND	EP	03 09 21.5				75	336	-0.2	QP
		IS	03 09 32.0						.3	
05	ASC	EP	03 09 24.1				92	331	.4	
		IS	03 09 36.3						1.2	
05	ASB	EP	03 09 24.9				104	331	-0.4	
		ES	03 09 36.9						-0.9	
05	ASD	EP	03 09 25.5				106	328	.0	
		ES	03 09 37.8						-0.4	
05	3 30	24.81	51.70 N 178.00 E	DEPTH = 64.3 KM						FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
05	ANA	IP C	03 30 36.5				47	281	.0	
05	AND	IP C	03 30 38.4				68	284	-0.1	
		IS	03 30 48.3						-0.1	
05	ASC	EP	03 30 40.5				85	289	.2	
05	ASB	IP C	03 30 41.2	7.9	.1		95	294	-0.1	
		IS	03 30 53.5						.1	
05	ASD	IP C	03 30 41.9	14.6	.2		100	292	-0.1	FAIRLY LARGE
05	ASD	EP	04 13 59.9							VERY EMERGENT
		E	04 14 6.0							
05	ASB	EP	04 14 1.1							QP
		E	04 14 8.0							
05	ASC	EP	04 14 2.1							
05	5 33	17.81	51.49 N 178.10 E	DEPTH = 50.0 KM						FIXED DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
05	ANA	IP D	05 33 28.6				42	249	.8	
05	AND	IP D	05 33 28.8				60	262	-0.9	
05	ASC	IP D	05 33 30.9				74	273	-0.4	
05	ASD	EP	05 33 32.7				87	279	-0.2	QP
05	ASB	EP	05 33 32.8				81	280	.6	
		ES	05 33 43.0						.3	
05	ADK	EP	07 16 7.1							

AUG 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
05	ASC	E EP	07 16 50.2 07 16 26.8							QP
05	ASD	EP	10 38 29.9							VERY POOR
		ES	10 38 35.9							
05	ASC	EP	10 38 31.1							
05	ASB	EP	10 38 31.3							
		ES	10 38 36.7							
05	ADK	EP	11 45 28.1							
		ES	11 45 54.1							
05	ASB	EP	17 58 28.2							
		IS	17 58 46.6							
05	ASD	EP	17 58 28.6							VERY STORMY

.....
 . 05 20 0 27.56 51.73 N 179.58 E DEPTH = 72.2 KM FREE DEPTH SOLUTION
 . RAT ISLANDS, ALEUTIAN ISLANDS
 .

. 05	ASD	EP	20 00 39.7				43	23	.0	VERY STORMY
. 05	ASB	EP	20 00 40.0				47	29	-.0	
		IS	20 00 49.1						.0	
. 05	AND	EP	20 00 40.0				47	66	-.0	
. 05	ANA	EP	20 00 41.5				65	79	.0	

. 05	ASB	IPGD	22 31 57.8	510.9	.3					
		IS	22 32 3.6							
05	ASD	IPGD	22 31 58.2							LARGE
05	AND	IPGD	22 31 58.6							
05	ASC	IPGD	22 31 59.4							
05	ANA	EPG	22 32 2.9							
05	ASD	EP	22 50 22.1							
05	ASB	EP	22 50 23.0							
05	ASC	EP	22 50 23.3							
05	AND	EP	22 50 24.2							

.....
 . 05 22 54 10.80 51.11 N 179.50 W DEPTH = 30.0 KM MB = 4.3 TELESEISMIC SOLUTION
 . DELAROF ISLANDS, ALEUTIAN ISLANDS
 .

. 05	ASD	IP D	22 54 25.4				86	109	-.0	LARGE
. 05	ASB	IP C	22 54 26.1	392.9	.2	4.16	92	107	-.1	
		ES	22 54 36.7						-.8	
. 05	ASC	IP D	22 54 27.7				101	112	.1	
. 05	AND	EP	22 54 29.9				119	114	-.4	
. 05	ANA	IP D	22 54 33.0				140	113	-.4	
. 05	ADK	EP	22 54 42.9				220	248	-.3	
		ES	22 55 6.1						-.7	

.....
 . 05 22 57 54.20 51.03 N 179.19 E DEPTH = 29.7 KM FREE DEPTH SOLUTION
 . RAT ISLANDS, ALEUTIAN ISLANDS
 .

. 05	ASB	IP D	22 58 1.8				37	186	-.1	
		IS	22 58 7.6						.1	
. 05	ASD	IP C	22 58 2.3				40	196	.0	
		ES	22 58 8.2						.0	
. 05	ASC	EP	22 58 3.4				48	178	.0	
		ES	22 58 9.9						-.1	
. 05	ANA	I(P)	22 58 7.3				76	151	.0	

AUG 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
. 05	23 24	55.03	50.97 N 179.12 E	DEPTH = 20.0 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
. 05	ASB	IPGD	23 25 3.1	2.0	.1	.98	44	192	.0	
		ES	23 25 8.9						-.1	
. 05	ASD	IPGD	23 25 3.5	1.1	.1	.85	48	199	-.1	
. 05	ASC	IPG	23 25 4.7				55	183	.1	
. 05	ANA	E(P)	23 25 8.3				79	156	-.0	
.....										
. 06	3 55	44.83	51.51 N 179.89 W	DEPTH = 83.4 KM			FREE DEPTH SOLUTION			
DELAROF ISLANDS, ALEUTIAN ISLANDS										
. 06	ASD	IPGD	03 55 58.9	5.6	.1		55	75	-.1	
		ES	03 56 9.2						-.1	
. 06	ASB	IPGC	03 55 59.6	2.7	.1		62	75	.1	
		IS	03 56 10.1						-.1	
. 06	ASC	IPGD	03 55 59.9				66	85	.1	
		ES	03 56 10.9						.2	
. 06	AND	IPG	03 56 1.0				80	94	-.1	
.....										
. 06	4 56	23.04	51.77 N 179.99 W	DEPTH = 163.2 KM			FREE DEPTH SOLUTION			
DELAROF ISLANDS, ALEUTIAN ISLANDS										
. 06	ASD	EP	04 56 46.3	2.4	.1		64	47	-.0	VERY EMERGENT
. 06	ASC	IP	04 56 46.5				68	60	-.0	
. 06	ASB	EP	04 56 46.6	1.7	.1		70	49	-.0	
		E(S)	04 57 3.8						-.0	
.....										
. 06	6 20	48.38	51.09 N 179.83 E	DEPTH = 28.1 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
. 06	ASD	IPGC	06 20 57.2	3.8	.1	1.37	47	133	-.1	
		ES	06 21 3.6						-.2	
. 06	ASB	EPG	06 20 57.8	4.0	.1	1.52	51	127	-.0	
		IS	06 21 4.8						.1	
. 06	ASC	IPG	06 20 59.9				63	132	.4	
		IS	06 21 7.9						.3	
. 06	AND	IPG	06 21 1.9				81	131	-.3	
		ES	06 21 12.0						-.2	
.....										
. 06	ASD	EP	07 33 36.6	.8	.1					NO S VISIBLE
. 06	ASB	EP	07 33 37.2	1.8	.1					
. 06	ASC	EP	07 33 37.3							
.....										
. 06	7 46	50.48	51.26 N 178.27 E	DEPTH = 0.0 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
. 06	ANA	IP	07 46 59.4				49	214	-.0	
		ES	07 47 6.2						.3	
. 06	AND	IP	07 47 .6				58	235	-.5	
. 06	ASC	EP	07 47 2.9				66	250	.4	QP
		ES	07 47 11.1						-.2	
. 06	ASD	EP	07 47 4.3				76	260	.1	VERY EMERGENT
.....										
. 06	ASD	IP D	13 42 28.1	2.5	.1					
		ES	13 42 42.1							
. 06	ASB	EP	13 42 29.4	2.3	.1					
. 06	ASC	EP	13 42 30.5							
		IS	13 42 46.2							

AUG 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
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06	AND	EP	13 42 32.6							
06	ANA	EP	13 42 36.1							

06	13 48 13.75	50.89 N 179.13 W	DEPTH = 50.0 KM	FIXED DEPTH SOLUTION						
DELAROF ISLANDS, ALEUTIAN ISLANDS										
06	ASD	EP	13 48 32.4				120	116	-.4	
		ES	13 48 46.5						-.3	
06	ASB	EP	13 48 33.7				125	114	.2	
		ES	13 48 47.8						-.1	
06	ASC	EP	13 48 34.9				135	117	.2	
		ES	13 48 50.3						.3	

06	14 15 2.56	52.36 N 178.30 E	DEPTH = 200.0 KM	FIXED DEPTH SOLUTION						
RAT ISLANDS, ALEUTIAN ISLANDS										
06	ANA	IP D	14 15 30.8				85	343	-.2	
		E(S)	14 15 52.0						.2	
06	AND	IP C	14 15 31.9				99	333	.1	
06	ASC	EP	14 15 32.9				116	330	.1	
		I(S)	14 15 54.7						-.2	
06	ASD	EP	14 15 33.7				130	327	-.1	
06	ASB	EP	14 15 33.8				128	330	.1	QP

06	15 8 8.75	51.29 N 178.55 E	DEPTH = 25.0 KM	FIXED DEPTH SOLUTION						
RAT ISLANDS, ALEUTIAN ISLANDS										
06	ANA	IP C	15 08 16.3				38	192	.0	
06	AND	IP D	15 08 16.5				41	223	-.2	
06	ASB	EP	15 08 17.6				49	261	-.2	
		ES	15 08 24.3						-.0	
06	ASC	IP C	15 08 17.9				47	246	.4	
06	ASD	EP	15 08 18.7				56	260	-.0	
		ES	15 08 26.0						-.0	

06	15 12 54.35	51.71 N 178.01 E	DEPTH = 105.2 KM	FREE DEPTH SOLUTION						
RAT ISLANDS, ALEUTIAN ISLANDS										
06	ANA	IP C	15 13 10.4				46	282	.2	
		ES	15 13 21.6						-.1	
06	AND	IP C	15 13 11.3				67	285	-.2	
		ES	15 13 23.7						-.4	
06	ASC	IP C	15 13 13.1				85	290	.2	
		IS	15 13 27.1						.7	
06	ASB	EP	15 13 13.5				94	295	-.2	
		ES	15 13 27.9						.1	
06	ASD	EP	15 13 14.2				99	293	.0	
		ES	15 13 28.4						-.3	

06	ANA	EP	15 57 35.6							
06	AND	IP D	15 57 35.9							
06	ASB	EP	15 57 37.5	4.0	.2					
06	ASC	EP	15 57 37.5							
06	ASD	IP D	15 57 37.8	2.7	.1					
06	ASD	IPGD	16 29 5.0	2.7	.1					
06	ASB	IPGD	16 29 5.6	2.8	.1					
		ES	16 29 15.5							
06	ASC	EPG	16 29 7.3							
06	AND	EPG	16 29 9.7							

QP

AUG 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
06	ASC	EP	17 33 40.9							
06	ASB	EP	17 33 41.5							
		I(S)	17 34 17.8							
06	ASD	EP	17 33 42.8							
		E(S)	17 34 19.5							
06	ANA	EPN	17 33 47.5							
		IPG	17 33 49.3							
		E(S)	17 34 11.9							
06	AND	EP	17 33 49.4							
.....										
06	19 22 59.95	51.95 N 179.53 E	DEPTH = 98.0 KM							FREE DEPTH SOLUTION
		RAT ISLANDS, ALEUTIAN ISLANDS								
06	AND	IPGD	19 23 15.8				59	43	.0	
		ES	19 23 27.2						-.1	
06	ASC	EPG	19 23 16.0				60	25	.1	
		ES	19 23 27.6						.1	
06	ASD	IPGD	19 23 16.1				65	12	-.1	
		ES	19 23 28.1						-.0	
06	ASB	IPGC	19 23 16.5				68	17	-.0	
		IS	19 23 28.6						.0	
06	ANA	IPGD	19 23 16.6				70	59	-.0	
		I	19 23 28.8							
.....										
06	19 39 22.48	51.41 N 179.25 W	DEPTH = 75.0 KM							FIXED DEPTH SOLUTION
		DELAROF ISLANDS, ALEUTIAN ISLANDS								
06	ASD	EP	19 39 40.0	1.8	.1		98	88	.0	
		ES	19 39 52.7						-.0	
06	ASB	EP	19 39 40.7	.7	.1		105	87	.0	
		ES	19 39 54.0						.0	
06	ASC	EP	19 39 41.3				110	93	-.0	QS
		ES	19 39 55.1						.0	
.....										
06	20 31 8.80	51.61 N 179.09 E	DEPTH = 53.7 KM							FREE DEPTH SOLUTION
		RAT ISLANDS, ALEUTIAN ISLANDS								
06	AND	EP	20 31 16.8				11	58	-.3	
06	ASC	EP	20 31 17.7				18	342	.3	QS
		ES	20 31 24.1						.4	
06	ASB	EP	20 31 18.2	2.1	.1		30	338	.0	QS
		E(S)	20 31 21.0						-4.0	
06	ASD	EP	20 31 18.3	2.0	.1		32	326	.0	QS
		ES	20 31 24.6						-.6	
.....										
06	23 26 49.82	51.05 N 177.68 E	DEPTH = 100.0 KM							FIXED DEPTH SOLUTION
		RAT ISLANDS, ALEUTIAN ISLANDS								
06	ANA	IP	23 27 8.6				94	227	-.1	
		ES	23 27 22.8						.3	
06	AND	EP	23 27 9.7				105	238	-.1	
		ES	23 27 24.1						-.3	
06	ASC	EP	23 27 10.8				113	247	.2	
06	ASD	EP	23 27 11.4				122	253	-.0	
.....										
07	ASD	EP	01 11 24.8							PCOR
07	ASB	EP	01 11 25.5							
07	ASC	EP	01 11 27.2							
07	AND	IP	01 11 30.2							
		ES	01 11 40.0							
07	ANA	EP	01 11 33.2							

AUG 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
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ES 01 11 45.8

07	1 40	1.63	50.95 N 178.83 E	DEPTH = 25.0 KM			FIXED DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
07	ASB	EPG	01 40 11.3				54	213	-.1	POOR
07	ASD	EPG	01 40 12.2	1.7	.1	1.39	60	217	.1	
		E(S)	01 40 19.8						-.0	
07	ASC	EPG	01 40 12.5				62	202	.0	
07	AND	EPG	01 40 13.5				69	187	-.0	

07	1 58	7.66	51.46 N 179.76 W	DEPTH = 50.0 KM			FIXED DEPTH SOLUTION			
DELAROF ISLANDS, ALEUTIAN ISLANDS										
07	ASD	EPG	01 58 19.8	1.5	.1	1.45	63	81	-.1	
		IS	01 58 28.5						-.4	
07	ASB	EPG	01 58 20.8	2.2	.1	1.77	70	80	.1	
		IS	01 58 30.4						.2	
07	ASC	EPG	01 58 21.5				75	90	.2	
		IS	01 58 31.5						.3	
07	AND	IPG	01 58 23.0				90	97	-.1	
		IS	01 58 34.1						-.3	
07	ANA	EPG	01 58 25.6				111	99	-.1	
		ES	01 58 38.9						.1	

07	2 6	13.32	51.56 N 177.51 E	DEPTH = 125.0 KM			FIXED DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
07	ANA	IPG	02 06 33.7				80	265	.3	
		IS	02 06 48.4						.3	
07	AND	IPG	02 06 34.7				100	270	-.3	
		IS	02 06 50.2						-.6	
07	ASC	EPG	02 06 36.3				115	276	.0	
		ES	02 06 53.2						.2	
07	ASB	EPG	02 06 37.1	1.4	.1		123	281	.2	
		ES	02 06 54.4						.2	
07	ASD	EPG	02 06 37.2	2.5	.1		129	280	-.3	

07	2 16	29.44	51.82 N 178.33 E	DEPTH = 122.1 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
07	ANA	IPG	02 16 46.7				31	314	.1	
		ES	02 16 59.0						-.1	
07	AND	IPG	02 16 47.3				51	304	-.1	
		ES	02 17 .3						-.3	
07	ASC	EPG	02 16 48.7				70	305	.2	
		ES	02 17 3.1						.6	
07	ASB	EPG	02 16 49.3				81	309	-.0	
		ES	02 17 3.8						-.0	
07	ASD	EPG	02 16 49.5				85	306	-.1	
		ES	02 17 4.1						-.3	

07	ADK	EP	02 23 40.0							
		ES	02 24 .2							
07	ASD	IP	02 24 .6	2.0	.1					
		ES	02 24 36.3							
07	ASB	IP	02 24 1.3	2.2	.1					
07	ASC	IP D	02 24 2.9							
07	AND	EP	02 24 4.7							
07	ANA	EP C	02 24 7.6							

AUG 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
07	3 43	37.01	51.26 N 178.55 E	DEPTH = 36.4 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
07	ANA	IPGC	03 43 45.9				42	191	-.0	
07	AND	IPGD	03 43 46.2				44	220	.0	
07	ASC	EPG	03 43 46.8				48	242	.1	
07	ASB	EPG	03 43 46.9				50	257	-.0	
		ES	03 43 54.2						.1	
07	ASD	EPGC	03 43 47.8				57	257	-.0	
		IS	03 43 55.6						-.1	
.....										
07	3 45	6.47	51.50 N 176.95 E	DEPTH = 25.0 KM			FIXED DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
07	ANA	EPN	03 45 25.9				119	264	.0	
		E(S)	03 45 46.4						6.4	
07	AND	EPN	03 45 28.8				139	268	-.0	
07	ASC	EPN	03 45 31.1				154	272	.1	
07	ASB	EPN	03 45 32.1				160	276	.1	
07	ASD	EPN	03 45 32.6				166	275	-.2	
		ES	03 45 51.9						-.0	
.....										
07	3 48	24.84	51.31 N 178.59 E	DEPTH = 50.0 KM			FIXED DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
07	ANA	IPGD	03 48 34.2				36	188	-.1	
07	AND	IPG	03 48 34.4				38	222	-.1	
		ES	03 48 41.5						.0	
07	ASC	EPG	03 48 35.2				43	247	.2	
07	ASB	EPG	03 48 35.2				46	263	-.0	
07	ASD	EPG	03 48 35.9				53	262	-.0	
		IS	03 48 43.9						-.1	
.....										
07	3 49	18.44	51.34 N 178.67 E	DEPTH = 24.9 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
07	AND	IPG	03 49 25.0				32	218	-.1	
		IS	03 49 30.0						-.0	
07	ANA	IPGC	03 49 25.3				32	179	.1	
		IS	03 49 30.0						-.1	
07	ASC	EPG	03 49 26.1				37	248	.3	
		IS	03 49 31.3						.1	
07	ASB	EPG	03 49 26.2				40	266	-.0	
07	ASD	EPG	03 49 27.0				47	265	-.2	
.....										
07	ASD	EP	04 09 27.7	1.7	.1					
		ES	04 09 46.2							
07	ASB	EP	04 09 29.4							
		ES	04 09 49.4							
07	ASC	EP	04 09 30.1							
07	AND	EP	04 09 32.9							
07	ANA	EP	04 09 35.7							
.....										
07	4 14	26.57	51.82 N 179.74 E	DEPTH = 209.4 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
07	ASD	IP	04 14 54.8	4.6	.1		57	29	-.1	
		IS	04 15 15.5						-.1	
07	AND	EP	04 14 55.0				61	62	-.1	
07	ASC	EP	04 14 55.1				56	44	.2	

AUG 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
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		ES	04 15 15.8						.2	
07	ASB	IP	04 14 55.2	6.7	.1		62	33	.1	
		IS	04 15 15.9						-.0	
07	ANA	IP	04 14 55.7				77	73	-.0	

07 5 38 46.49 50.83 N 177.43 E DEPTH = 25.0 KM FIXED DEPTH SOLUTION
RAT ISLANDS, ALEUTIAN ISLANDS

07	ANA	IP C	05 39 6.7				123	225	.2	
		IS	05 39 21.6						.5	
07	AND	IP	05 39 7.6				134	233	-.5	
		ES	05 39 22.9						-1.0	
07	ASC	IP	05 39 9.1				140	241	.0	
		ES	05 39 26.3						.8	
07	ASB	EP	05 39 9.7	1.3	.1	2.66	140	246	.6	
07	ASD	EP D	05 39 9.7	2.2	.1	2.97	147	246	-.4	
		ES	05 39 26.9						-.3	

07 7 19 8.42 51.84 N 178.08 E DEPTH = 77.7 KM FREE DEPTH SOLUTION
RAT ISLANDS, ALEUTIAN ISLANDS

07	ANA	IPGD	07 19 21.4				47	300	.0	
		IS	07 19 30.8						-.0	
07	AND	IPG	07 19 23.0				68	297	-.1	
		ES	07 19 33.8						-.0	
07	ASC	EPG	07 19 24.9				86	299	.1	
07	ASB	EPG	07 19 25.9				97	304	-.1	
07	ASD	EPG	07 19 26.5				101	301	.0	

07 7 44 21.43 51.07 N 179.30 W DEPTH = 50.0 KM FIXED DEPTH SOLUTION
DELAROF ISLANDS, ALEUTIAN ISLANDS

07	ASD	IP C	07 44 38.0	34.7	.2	3.25	101	110	-.2	
		ES	07 44 50.0						-.4	
07	ASB	IP C	07 44 38.8	21.5	.2	3.13	107	107	-.1	
		IS	07 44 51.4						-.2	
07	ASC	IP C	07 44 40.3				116	112	.3	
07	AND	IP C	07 44 42.3				134	114	.1	
07	ANA	IP D	07 44 45.3				155	113	.5	
07	ADK	EP	07 44 51.2				209	245	-.3	
		ES	07 45 13.8						.3	

07 7 51 12.00 17.71 S 178.30 W DEPTH = 548.0 KM MB = 5.5 TELESEISMIC SOLUTION
FIJI ISLANDS REGION

07	ASD	EP	08 01 21.9	36.7	.4		7652	178		TELESEISMIC
07	ASB	EP	08 01 21.9	32.2	.4		7651	177		
07	ASC	EP	08 01 22.7				7663	177		
07	AND	EP	08 01 23.3				7674	177		
07	ANA	EP	08 01 23.6				7682	177		
07	ADK	IP D	08 01 24.6				7707	182		

07 8 32 53.80 52.50 N 179.61 E DEPTH = 125.0 KM FIXED DEPTH SOLUTION
RAT ISLANDS, ALEUTIAN ISLANDS

07	AND	EP	08 33 16.5				114	23	-.1	
		IS	08 33 33.2						-.1	
07	ANA	EP	08 33 17.0				117	34	.1	
07	ASD	EP	08 33 17.8	4.1	.2		126	8	.0	

AUG 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
07	ASB	ES EP	08 33 35.3 08 33 18.0				129	11	.0 -.0	
07	9	2	49.37	51.18 N	179.89 W	DEPTH = 25.0 KM	FIXED DEPTH SOLUTION			
DELAROF ISLANDS, ALEUTIAN ISLANDS										
07	ASD	EPG	09 02 59.5				58	111	-.1	
07	ASB	EPG	09 03 .5	4.5	.1	1.92	63	108	.1	
07	ASC	IPG	09 03 1.9				73	115	.1	
		IS	09 03 10.9						.0	
07	10	21	6.92	52.57 N	179.51 W	DEPTH = 200.0 KM	FIXED DEPTH SOLUTION			
DELAROF ISLANDS, ALEUTIAN ISLANDS										
07	ASD	EP	10 21 39.9	10.1	.1		155	30	-.1	
		IS	10 22 4.1						-.0	
07	ASC	EP	10 21 40.1				153	36	.2	
		IS	10 22 4.6						.7	
07	ASB	EP	10 21 40.4	18.0	.1		160	32	.0	
		ES	10 22 4.2						-.6	
07	ANA	EP D	10 21 40.5				164	49	-.2	
07	ANA	EPN	10 43 18.1							POOR
07	AND	EPN	10 43 19.3							
07	ASB	EPN	10 43 20.2							
		ES	10 43 43.4							
07	ASD	EPN	10 43 21.5							
		ES	10 43 45.3							
07	11	33	59.76	51.61 N	179.15 E	DEPTH = 82.0 KM	FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
07	AND	IPGC	11 34 11.4				14	69	-.2	
		IS	11 34 19.9						-.3	
07	ASC	EPG	11 34 11.7				16	355	.0	
		ES	11 34 21.0						.7	
07	ASD	IPGD	11 34 12.1	5.9	.1		29	332	-.0	
		ES	11 34 21.0						-.2	
07	ASB	IPG	11 34 12.2	7.6	.1		29	346	.1	
		ES	11 34 20.8						-.3	
07	ANA	IPGC	11 34 12.4				34	93	.1	
		IS	11 34 21.6						.1	
07	13	29	26.30	4.68 S	155.14 E	DEPTH = 500.0 KM MB = 5.1	TELESEISMIC SOLUTION			
SOLOMON ISLANDS										
07	ASB	EP	13 38 42.3	9.0	.4		6618	208		TELESEISMIC
07	ASD	EP	13 38 42.8				6623	208		
07	ASC	EP	13 38 43.2				6626	208		
07	ANA	EP	13 38 43.2				6626	207		
07	AND	EP	13 38 43.6				6629	208		
07	ADK	IP C	13 38 53.8				6815	213		
07	ASD	IPGC	15 32 13.2	2.2	.1					AND AND ANA VER
		IS	15 32 26.9							
07	ASB	EPG	15 32 14.4							Y EMERGENT.
07	ASC	EPG	15 32 15.4							
		ES	15 32 33.1							
07	AND	EPG	15 32 16.4							
07	ANA	EPG	15 32 21.3							

AUG 1970	STA	PHASE	TIME (GHT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
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07	15 46 36.94	51.21 N 178.53 E		DEPTH = 7.9 KM		FREE DEPTH SOLUTION				
RAT ISLANDS, ALEUTIAN ISLANDS										
07	ANA	IPGD	15 46 45.6				48	191	-.1	
		IS	15 46 52.1						.0	
07	AND	EPG	15 46 45.8				49	217	-.2	
		IS	15 46 52.9						.3	
07	ASC	EPG	15 46 46.7				52	237	.2	
07	ASB	IPG	15 46 46.7	1.8	.1	1.22	53	251	.2	
		ES	15 46 53.1						-.4	
07	ASD	EPG	15 46 47.5				59	252	-.0	

07	16 25 41.87	51.42 N 179.32 E		DEPTH = 30.5 KM		FREE DEPTH SOLUTION				
RAT ISLANDS, ALEUTIAN ISLANDS										
07	ASD	IPGC	16 25 46.7	11.5	.1		5	337	-.2	LOCAL
		IS	16 25 50.5						-.1	
07	ASB	IPGD	16 25 47.1	6.9	.1		8	38	.1	
		ES	16 25 50.9						.1	
07	ASC	IPGC	16 25 47.3				12	117	.1	
		IS	16 25 51.1						-.0	
07	AND	EPG	16 25 49.1				30	123	.3	
07	ANA	EPG	16 25 51.4				51	117	-.1	
		ES	16 25 58.3						-.2	

07	16 33 29.20	27.29 N 141.74 E		DEPTH = 33.0 KM		MB = 5.4		MS = 5.6		TELESEISMIC SOLUTION
BONIN ISLANDS REGION										
07	ANA	EP	16 40 36.7				4099	243		TELESEISMIC
07	AND	EP	16 40 38.0				4114	243		
07	ASB	EP	16 40 38.5				4122	244		
07	ASC	EP	16 40 38.8				4122	244		
07	ASD	EP	16 40 38.8				4129	244		
07	ADK	EP	16 40 59.3				4410	248		

07	ASD	IP C	16 48 45.6	1.4	.1					
		ES	16 49 3.1							
07	ASB	IP D	16 48 46.9	3.7	.1					
		ES	16 49 4.5							
07	ASC	IP D	16 48 47.7							
		ES	16 49 6.3							
07	AND	EP	16 48 49.8							
		ES	16 49 9.5							
07	ANA	EP	16 48 52.4							
		ES	16 49 14.2							
07	ASD	IPG	17 19 56.4	3.8	.1					
		IS	17 20 3.3							
07	ASB	IPG	17 19 57.0							
		ES	17 20 4.5							
07	ASC	IPG	17 19 58.6							
07	AND	IPG	17 20 .9							
		ES	17 20 13.5							
07	ANA	IPG	17 20 3.7							

07	17 23 18.03	51.09 N 179.43 E		DEPTH = 39.0 KM		FREE DEPTH SOLUTION				
RAT ISLANDS, ALEUTIAN ISLANDS										
07	ASD	IP D	17 23 26.1				33	169	-.1	LARGE LOCAL
07	ASB	IP D	17 23 26.3	58.3	.1	1.99	33	157	.1	
		IS	17 23 32.2						-.0	

AUG 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
. 07	ASC	IP D	17 23 27.8				46	156	.1	
. 07	AND	IP D	17 23 29.8				63	148	-.0	
. 07	ANA	EP	17 23 32.2				81	138	-.1	
.....										
07	ANA	EPG	21 12 41.3							
		ES	21 12 48.2							
07	AND	EPG	21 12 43.9							
07	ASB	EPG	21 12 48.6							
07	ASD	EPG	21 12 49.1							
		ES	21 13 2.3							
07	ANA	EPN	21 42 12.8							
		ES	21 42 32.7							
07	AND	EPN	21 42 14.2							
		ES	21 42 35.2							
07	ASC	EPN	21 42 17.0							
07	ASB	EPN	21 42 17.7							
07	ASD	EPN	21 42 18.5							
		ES	21 42 46.4							POOR ARRIVAL
.....										
. 08	0 43 15.17 51.61 N 178.47 E DEPTH = 89.4 KM						FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
. 08	ANA	IPGD	00 43 28.1				14	260	.2	
		IS	00 43 36.8						-.4	
. 08	AND	EPG	00 43 28.6				34	278	-.0	
. 08	ASC	IPGD	00 43 29.6				51	288	.0	
		ES	00 43 40.6						.5	
. 08	ASD	IPGD	00 43 30.4	4.3	.1		66	293	-.3	
		IS	00 43 41.8						-.2	
. 08	ASB	IPGD	00 43 30.4	3.3	.1		60	297	.1	
		IS	00 43 41.4						.1	
.....										
08	ANA	EP	01 32 16.0							
08	ASD	EP	01 32 17.5	6.4	.4					TELE
08	ASB	EP	03 26 44.2							
		ES	03 27 .5							
08	ASD	EP	03 26 44.3							VERY EMERGENT
08	ASC	EP	03 26 44.7							
08	AND	EP	03 26 45.0							
08	ANA	EP	03 26 45.5							
08	ASD	EP	03 41 28.7							VERY EMERGENT
08	ASB	EP	03 41 29.0							
		ES	03 41 49.4							
08	AND	EP	03 41 29.0							
08	ASC	EP	03 41 29.1							
08	ANA	EP	03 41 29.5							
.....										
. 08	4 2 25.16 51.28 N 178.58 E DEPTH = 37.4 KM						FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
. 08	ANA	IPGD	04 02 33.8				39	188	-.0	
. 08	AND	IPG	04 02 34.1				40	219	.1	
. 08	ASC	EPG	04 02 34.4				45	244	-.2	QP
. 08	ASB	IPGD	04 02 34.8	2.4	.1	1.16	47	259	.0	
		IS	04 02 41.8						.0	
. 08	ASD	EPG	04 02 35.7	.8	.1	.93	54	259	.1	
.....										
08	ANA	EPN	04 42 43.6							
		EPG	04 42 45.5							
		E(S)	04 43 3.3							
08	AND	EP	04 42 45.7							

AUG 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS	
08	ASC	EP	04 42 48.3								
08	ASB	E(P)	05 08 51.3								
08	ASD	E(P)	05 08 51.5	1.5	.2					POSS.S ARRIVALS	
.....											
08	5 51 33.41	51.33 N 179.77 E DEPTH = 63.9 KM					FREE DEPTH SOLUTION				
RAT ISLANDS, ALEUTIAN ISLANDS											
08	ASD	EPG	05 51 43.6	4.3	.1		30	99	-.2		
08	ASB	EPG	05 51 44.0	7.2	.1		36	95	-.2	QP	
		IS	05 51 52.1						-.0		
08	ASC	EPG	05 51 45.2				44	109	.4		
		IS	05 51 54.0						.8		
08	AND	EPG	05 51 46.2				62	114	-.2	QP	
		ES	05 51 55.1						-.8		
08	ANA	EPG	05 51 49.0				83	113	.3		
.....											
08	ANA	EP	06 45 9.2								
		ES	06 45 36.0								
08	AND	EP	06 45 10.1							QP	
08	ASB	EP	06 45 11.5	2.0	.2					VERY EMERGENT	
		ES	06 45 39.9								
08	ANA	EP	07 10 59.6								
08	ASB	EP	07 11 2.0							QS	
		E(S)	07 11 29.7								
.....											
08	7 26 5.34	51.88 N 179.81 E DEPTH = 96.8 KM					FREE DEPTH SOLUTION				
RAT ISLANDS, ALEUTIAN ISLANDS											
08	ASD	EPG	07 26 21.4	5.3	.1		65	30	-.1		
08	ASC	EPG	07 26 21.6				64	44	.1		
08	AND	EPG	07 26 21.8				69	59	-.0		
08	ASB	EPG	07 26 21.9	4.4	.1		70	34	.0		
		ES	07 26 34.0						.0		
08	ANA	IPGD	07 26 23.1				84	70	.0		
		IS	07 26 36.0						-.0		
.....											
08	ASD	IP C	07 34 43.0								
		IS	07 34 56.3								
08	ASB	IP C	07 34 43.8								
		ES	07 34 57.8								
08	ASC	IP D	07 34 45.3								
		ES	07 35 .1								
08	AND	EP	07 34 47.3								
08	ANA	EP	07 34 50.9							QP	
.....											
08	7 55 50.40	3.03 N 128.59 E DEPTH = 75.0 KM MB = 5.2					TELESEISMIC SOLUTION				
NORTH OF HALMAHERA											
08	ADK	EP	08 06 32.3				7401	243			
.....											
08	9 1 8.30	30.63 N 129.99 E DEPTH = 120.0 KM MB = 5.1					TELESEISMIC SOLUTION				
KYUSHU, JAPAN											
08	ADK	EP	09 09 33.1				4921	263			
.....											
08	ANA	EP	09 49 52.5								
08	AND	EP	09 49 54.9								
08	ASB	EP	09 49 58.1	12.3	.3						
08	ASC	EP	09 49 58.2								

AUG 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
08	ASD	EP	09 49 58.9	20.3	.4					QP, TELE
08	ANA	EP	11 51 12.6							
		I(S)	11 51 32.5							
08	AND	EP	11 51 14.9							
08	ASC	EP	11 51 17.3							
08	ASB	EP	11 51 18.2	35.5	.2					
08	ASD	EP	11 51 18.7	53.5	.2					REGIONAL
		E(S)	11 51 41.4							

.....										
08	11 54 51.75	51.90 N 179.37 E	DEPTH = 162.9 KM					FREE DEPTH SOLUTION		
RAT ISLANDS, ALEUTIAN ISLANDS										
08	AND	IP C	11 55 14.1				47	37	-.2	
		IS	11 55 30.9						.1	
08	ASD	IP C	11 55 14.5	4.6	.1		59	2	-.2	
08	ASC	IP C	11 55 14.7				51	16	.3	
08	ANA	IP D	11 55 14.7				58	58	-.0	
		IS	11 55 31.4						-.1	
08	ASB	EP	11 55 15.0	3.7	.1		61	8	.2	
		IS	11 55 31.6						-.1	

.....										
08	13 44 4.68	51.09 N 179.10 E	DEPTH = 25.0 KM					FIXED DEPTH SOLUTION		
RAT ISLANDS, ALEUTIAN ISLANDS										
08	ASB	IPGD	13 44 11.5	16.2	.1	1.39	32	198	.1	LOCAL
		IS	13 44 16.2						-.1	
08	ASD	IPGD	13 44 11.7	21.6	.1	1.72	37	207	-.3	
08	ASC	IPGC	13 44 13.2				42	186	.5	
08	ANA	EPG	13 44 16.2				68	153	-.2	QP, VERY NOISY

08	ASD	IP	14 51 43.2							
		I(S)	14 52 .6							
08	ASB	EP	14 51 44.2							
08	ASC	IP	14 51 45.1							
08	ADK	EP	14 51 44.3							
		ES	14 52 1.6							
08	ANA	EP	14 51 50.4							QP, VERY NOISY
		E(S)	14 52 12.5							
08	ASD	EP	16 29 27.9	3.9	.1					
08	ASB	EP	16 29 29.1	3.7	.1					
08	ASC	IP D	16 29 30.8							
08	AND	IP C	16 29 31.1							
08	ANA	EP	16 29 37.0							
08	ASD	IPNC	16 49 30.5							WHITE OUT
		EPG	16 49 31.9							
		E(S)	16 49 48.2							
08	ASB	IPNC	16 49 31.4							LARGE
		EPG	16 49 32.7	300.3	.2					
08	ADK	EP	16 49 30.9							
		ES	16 49 47.5							
08	ASC	IP	16 49 33.0							
08	AND	IP C	16 49 34.1							
08	ANA	EP	16 49 38.0							
08	ANA	IP D	18 12 34.9							
		E(S)	18 12 49.3							
08	AND	IP C	18 12 36.6							
08	ASD	EP	18 12 38.0	3.6	.2					LARGE
		E(S)	18 12 56.5							
08	ASB	IP C	18 12 38.2	4.9	.2					
		E(S)	18 12 55.4							
08	ASC	EP	18 12 38.8							

AUG 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
08	21	4	5.90	1.15 N	126.11 E	DEPTH = 24.0 KM	MB = 5.8	MS = 5.5	TELESEISMIC SOLUTION	
MOLUCCA PASSAGE										
08	ANA	EP	21 14 58.9				7423	240		
08	ASC	EP	21 14 59.7				7444	240		
08	ASD	EP	21 14 59.9	30.1	.4		7450	240		TELE
08	ASB	EP	21 14 59.9	15.2	.4		7444	240		
08	ADK	EP	21 15 14.0				7727	244		
.....										
09	ASD	EP	01 39 53.1	3.2	.1					
		ES	01 40 9.9							
09	ASB	IP	04 02 5.1							
		IS	04 02 21.3							
09	ASD	IP	04 02 5.7	7.3	.1					
		ES	04 02 22.4							
.....										
09	8	52	13.92	51.31 N	178.85 E	DEPTH = 31.4 KM	FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
09	ASB	EPG	08 52 20.8				28	259	.0	QP
		IS	08 52 25.9						.2	
09	ASC	EPG	08 52 21.0				27	233	.3	
09	AND	IPGD	08 52 21.0				29	194	.2	
09	ASD	EPG	08 52 21.4				35	258	-.1	QP
		ES	08 52 26.6						-.4	
09	ANA	IPG	08 52 21.6				37	159	-.2	
.....										
09	ASD	IP	09 40 12.2	14.0	.2					
		I(S)	09 40 28.7							
09	ASB	EP	09 40 14.0	13.2	.2					
09	ASC	IP	09 40 14.5							
		E(S)	09 40 33.4							
09	AND	I(P)	09 40 17.7							
09	ANA	I(P)	09 40 19.7							
.....										
09	10	46	34.66	51.38 N	179.18 E	DEPTH = 69.2 KM	FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
09	ASB	IPGC	10 46 44.8	14.3	.1		5	291	.0	
		IS	10 46 52.3						.2	
09	ASD	IPGC	10 46 44.8	15.1	.1		11	270	-.1	
		IS	10 46 52.1						-.2	
09	ASC	IPGC	10 46 44.9				10	174	.1	
09	AND	IPG	10 46 45.6				26	143	.2	
09	ANA	IPG	10 46 46.5				45	127	-.2	
.....										
09	15	42	49.47	51.11 N	178.99 E	DEPTH = 24.4 KM	FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
09	ASB	IPGC	15 42 56.3	5.8	.1	.99	33	212	.0	
		E	15 43 1.1							
09	ASD	EPG	15 42 56.9	4.8	.1	1.15	39	219	-.1	
		IS	15 43 2.4						-.1	
09	ASC	EPG	15 42 57.5				41	197	.1	
		E	15 43 3.1							
09	ANA	I(P)	15 43 .3				62	158	-.1	
.....										

AUG 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
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09 17 16 41.46 51.15 N 178.82 E DEPTH = 18.5 KM FREE DEPTH SOLUTION
RAT ISLANDS, ALEUTIAN ISLANDS

09	ASB	IPG	17 16 48.6	9.2	.1	1.42	38	231	.0	P. MAY BE EARLY
		IS	17 16 53.8						-.0	
09	ASD	IPGD	17 16 49.4	3.6	.1	1.26	45	235	-.1	
		IS	17 16 55.4						-.0	
09	ASC	IPGD	17 16 49.4				43	214	.1	
09	AND	IPGD	17 16 49.9				47	191	-.0	
		ES	17 16 56.2						.1	
09	ANA	EPG	17 16 51.1				55	168	.1	
		ES	17 16 57.9						-.1	

09 19 26 1.30 51.33 N 179.25 E DEPTH = 42.6 KM FREE DEPTH SOLUTION
RAT ISLANDS, ALEUTIAN ISLANDS

09	ASD	IPGD	19 26 8.0	10.1	.1		9	230	-.2	
		I(S)	19 26 13.4						.1	
09	ASB	IPG	19 26 8.3	8.4	.1		4	180	.2	
		I(S)	19 26 12.9						-.2	
09	AND	IPGC	19 26 9.8				33	142	-.1	
09	ANA	EPG	19 26 12.0				53	129	-.0	QP
09	ASC	IPGD	19 26 8.8				16	159	.2	

09	ASD	EP	22 05 24.0							
09	ASB	EP	22 05 25.6							QP
09	ASC	EP	22 05 26.5							QP
09	AND	EP	22 05 28.0							QP

09	ADK	EP	22 22 36.8							
		ES	22 22 55.7							
09	ASD	IP C	22 23 7.9	35.6	.1					
		I(S)	22 23 50.4							
09	ASB	EP	22 23 8.5	4.2	.1					
		E(S)	22 23 51.6							
09	ASC	EP	22 23 9.2							
09	AND	EP	22 23 10.2							
09	ANA	EP	22 23 12.4							

10	ADK	IP D	00 26 27.6							
		IS	00 26 37.4							

10 2 35 24.17 51.71 N 178.93 E DEPTH = 128.1 KM FREE DEPTH SOLUTION
RAT ISLANDS, ALEUTIAN ISLANDS

10	ANA	EP	02 35 41.7				21	64	-.0	QP
10	AND	EP	02 35 41.8				16	354	.1	QP
10	ASC	EP	02 35 41.9				32	329	-.1	
10	ASD	EP	02 35 42.6	3.1	.1		47	322	-.0	
		ES	02 35 56.1						.0	
10	ASB	EP	02 35 42.6	2.0	.1		44	330	.1	
		ES	02 35 55.9						-.0	

10 3 11 42.60 51.44 N 178.06 E DEPTH = 49.3 KM FREE DEPTH SOLUTION
RAT ISLANDS, ALEUTIAN ISLANDS

10	ANA	IPGC	03 11 53.1				47	243	.1	
10	AND	EPG	03 11 54.7				64	258	-.2	
10	ASC	IPG	03 11 56.6				77	268	.2	
		ES	03 12 6.6						.1	
10	ASB	EPG	03 11 57.1	2.2	.1	2.04	83	276	-.1	
		IS	03 12 7.8						-.0	

AUG 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
10	ASD	EPG	03 11 58.0	5.5	.1	2.56	89	275	.0	
		IS	03 12 9.1						-.0	
10	ASD	EP	05 01 4.6	1.7	.1					QS
		E(S)	05 01 21.2							
10	ASB	EP	05 01 6.1	4.8	.2					QP
10	ASC	EP	05 01 6.8							
10	ANA	EP	05 01 12.9							QP
10	ASB	EP	05 35 53.1							QP
		IS	05 36 15.6							
10	ASD	EP	05 35 53.2	1.8	.1					
10	ASC	EP	05 35 55.1							
10	5 39 31.39		51.03 N 179.11 E							DEPTH = 25.6 KM RAT ISLANDS, ALEUTIAN ISLANDS FREE DEPTH SOLUTION
10	ASB	IPGD	05 39 39.0	109.4	.1	2.50	38	195	.0	
		IS	05 39 44.5						-.0	
10	ASD	IPGD	05 39 39.4				42	203	-.1	
		ES	05 39 45.4						-.0	
10	ASC	IPGD	05 39 40.6				49	185	.2	
10	AND	IPGD	05 39 42.0				61	170	-.1	
10	ANA	IPGD	05 39 44.0				74	155	-.0	
10	7 56 57.82		51.40 N 178.79 E							DEPTH = 39.6 KM RAT ISLANDS, ALEUTIAN ISLANDS FREE DEPTH SOLUTION
10	AND	EP	07 57 5.0				22	211	-.1	POOR P IN NOISE
10	ANA	IPG	07 57 5.5				27	160	-.0	
10	ASC	IPGC	07 57 5.7				27	254	.2	
10	ASB	IPG	07 57 5.9	24.1	.1	1.55	32	277	-.1	
		ES	07 57 12.0						.1	
10	ASD	IPGD	07 57 6.6	39.3	.1	2.05	38	273	-.0	
		ES	07 57 12.9						-.2	
10	8 4 34.46		51.53 N 179.95 E							DEPTH = 60.5 KM RAT ISLANDS, ALEUTIAN ISLANDS FREE DEPTH SOLUTION
10	ASD	IPGC	08 04 45.7	5.3	.1		46	67	-.0	
		IS	08 04 54.0						.1	
10	ASB	IPGC	08 04 46.3	4.9	.1		53	68	-.0	
		IS	08 04 54.9						-.1	
10	ASC	IPGC	08 04 46.7				55	81	.1	
10	AND	EPG	08 04 47.8				69	92	-.2	
10	ANA	IPGD	08 04 50.4				90	96	.1	
10	ASD	EP	09 50 40.3	1.7	.2					POSS REGIONAL
10	ASB	EP	09 50 40.8							NO S VISIBLE
10	ANA	EP	09 50 41.3							
10	ASD	IPGD	12 20 10.6	1.7	.1					SMALL LOCAL
		ES	12 20 13.4							
10	ASB	IPGD	12 20 11.8	1.6	.1					
		IS	12 20 15.6							
10	ASC	EPG	12 20 12.9							
		ES	12 20 17.7							
10	ANA	EP	12 34 52.9							
		ES	12 35 19.2							
10	AND	EP	12 34 55.4							
10	ASC	EP	12 34 57.3							

AUG 1970	STA	PHASE	TIME (GHT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
10	ASB	EP	12 34 58.3	4.3	.2					
		ES	12 35 27.0							
10	ASD	EP	12 34 58.7	6.7	.3					REGIONAL
		ES	12 35 28.3							
10	ASD	EP	14 05 55.6							NO S VISIBLE
10	ASB	EP	14 05 56.1							QP
10	ANA	IP C	14 05 56.7							
10	ASD	EPG	14 06 7.9	4.6	.1					
		ES	14 06 14.6							
10	ASB	EPG	14 06 8.3							
		ES	14 06 15.5							
10	ASC	EPG	14 06 9.7							
.....										
10	14 37 11.57	51.31 N 179.23 W	DEPTH = 75.0 KM							FIXED DEPTH SOLUTION
		DELAROF ISLANDS, ALEUTIAN ISLANDS								
10	ASD	EPG	14 37 29.2	1.1	.1		100	94	-.0	
		ES	14 37 42.2						.1	
10	ASB	EPG	14 37 30.0	2.4	.1		106	92	.1	
		IS	14 37 43.3						-.1	
10	ASC	IPGC	14 37 30.7				113	98	.0	
.....										
10	15 15 19.70	13.87 S 166.79 E	DEPTH = 46.0 KM MB = 6.0 MS = 6.4							TELESEISMIC SOLUTION
		NEW HEBRIDES ISLANDS								
10	ASB	EP	15 26 3.0	14.9	.4		7323	193		TELE
10	ASD	EP	15 26 4.2	23.0	.4		7327	193		V. POOR ARRIVALS
10	ANA	EP	15 26 4.8				7343	193		
10	ASC	EP	15 26 5.4				7333	193		
10	AND	EP	15 26 6.4				7341	193		
10	ADK	EP	15 26 10.4				7456	198		ER 1545500
		ES	15 35 5.0							
		EL	15 42 54.0							
.....										
10	ASD	EP	15 49 5.2	1.8	.1					QS
		E(S)	15 49 16.3							
10	ASB	IP	15 49 5.9	2.0	.1					
10	ASC	IP	15 49 7.4							
10	ANA	EP	15 49 12.8							QP
10	ASD	EP	17 24 35.6	5.0	.2					TELE
10	ASB	EP	17 24 36.4	5.9	.2					
10	ASC	EP	17 24 37.3							
10	AND	EP	17 24 39.3							
10	ANA	EP	17 24 41.7							
10	ANA	EP	18 39 53.4							
		E(S)	18 40 10.4							
10	AND	E(P)	18 39 55.8							
10	ASC	EP	18 40 .6							
10	ASB	EP	18 40 .7							
10	ASD	EP	18 40 .9							
		E(S)	18 40 21.6							
.....										
10	20 11 51.94	51.05 N 177.34 E	DEPTH = 25.0 KM							FIXED DEPTH SOLUTION
		RAT ISLANDS, ALEUTIAN ISLANDS								
10	ANA	IP C	20 12 10.6				112	236	.4	
		ES	20 12 23.2						-.3	
10	ASC	EP	20 12 13.4				135	251	-.3	
		E(S)	20 12 29.4						-.1	
10	ASB	EP	20 12 14.4				137	256	.4	

AUG 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
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		E(S)	20 12 30.6						.5	
10	ASD	IP D	20 12 14.6				144	256	-.5	

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10	21 24 52.96	51.12 N 178.83 E	DEPTH = 50.0 KM	FIXED DEPTH SOLUTION						
RAT ISLANDS, ALEUTIAN ISLANDS										

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10	ASD	EP	21 25 3.1	1.5	.1	.93	46	232	-.3	
		ES	21 25 10.3						-.6	
10	ASB	IP	21 25 3.2	3.1	.1	1.00	40	228	.4	
		ES	21 25 10.5						.6	
10	ASC	EP	21 25 3.3				45	212	.1	
		ES	21 25 10.6						-.1	
10	ANA	EP	21 25 4.3				58	168	-.3	
		ES	21 25 13.4						.3	

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10	21 32 2.24	52.27 N 179.72 E	DEPTH = 150.0 KM	FIXED DEPTH SOLUTION						
RAT ISLANDS, ALEUTIAN ISLANDS										

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10	AND	EP	21 32 26.0				95	34	.1	QP
		ES	21 32 42.5						-.7	
10	ASC	EP	21 32 26.2				98	23	.1	
		ES	21 32 43.5						-.0	
10	ANA	IP D	21 32 26.3				102	45	-.1	
		ES	21 32 42.5						-1.6	
10	ASD	EP	21 32 26.4	1.5	.1		103	15	-.1	
		ES	21 32 43.5						-.7	
10	ASB	EP	21 32 26.6				106	18	-.2	
		ES	21 32 43.8						-.8	

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11	ASD	IP D	00 26 47.1	19.6	.1					
		IS	00 27 12.0							
11	ASB	IP D	00 26 48.0	27.7	.1					
		ES	00 27 13.5							
11	ASC	IP	00 26 48.8							
11	AND	EP	00 26 50.5							
11	ANA	IP C	00 26 52.8							

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11	0 56 51.42	51.38 N 179.89 W	DEPTH = 67.1 KM	FREE DEPTH SOLUTION						
DELAROF ISLANDS, ALEUTIAN ISLANDS										

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11	ASD	IPG	00 57 3.9	1.5	.1		53	89	-.0	
		IS	00 57 13.0						-.0	
11	ASB	EPG	00 57 4.5				60	88	-.0	
11	ASC	EPG	00 57 5.1				66	98	-.0	

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11	1 32 25.09	52.40 N 178.79 E	DEPTH = 100.0 KM	FIXED DEPTH SOLUTION						
RAT ISLANDS, ALEUTIAN ISLANDS										

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11	ANA	IP	01 32 43.3				87	6	-.0	
11	ASC	EP	01 32 45.5				108	346	.2	
11	ASD	IP	01 32 46.4	2.0	.1		120	342	-.1	
		ES	01 33 2.2						.0	
11	ASB	EP	01 32 46.5				120	345	-.0	

.....

11	ASB	EPG	01 50 36.0	2.7	.1					
		ES	01 50 54.2							
11	ASD	EPG	01 50 36.1	2.7	.1					
		ES	01 50 54.2							
11	ASC	IPGD	01 50 37.7							
		ES	01 50 57.4							

AUG 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
11	ANA	EPG ES	01 50 40.2 01 51 4.4							
11	2 55	50.27	52.33 N 179.86 E	DEPTH = 125.0 KM			FIXED DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
11	ASD	EPN ES	02 56 12.9 02 56 29.8				112	18	-.0 .3	VERY POOR
11	ANA	E(P)	02 56 13.1				114	46	.0	
11	ASB	EPN ES	02 56 13.3 02 56 29.8				116	21	.0 -.3	
11	ANA	IPN IS	03 53 57.9 03 54 14.5							
11	ASC	EPN	03 54 3.0							
11	ASB	EPN	03 54 3.5							
11	ASD	EPN ES	03 54 3.7 03 54 25.8							
11	ADK	EP ES	06 05 44.6 06 05 55.6							
11	ADK	IP C ES	06 14 45.8 06 14 56.6							
11	ASD	EP ES	06 15 .3 06 15 24.1	12.5	.2					
11	ASB	EP ES	06 15 1.4 06 15 26.8	9.8	.2					
11	ASC	EP ES	06 15 2.4 06 15 27.6							
11	ANA	EP	06 15 7.0							
11	ASD	IP C ES	09 06 48.9 09 06 56.5	3.6	.1					
11	ASB	IP C ES	09 06 49.6 09 06 57.8	1.8	.1					
11	ASC	IP C	09 06 51.2							
11	AND	IP D ES	09 06 53.7 09 07 4.6							
11	ANA	EP ES	09 06 56.4 09 07 9.0							
11	9 14	2.52	51.69 N 179.50 E	DEPTH = 84.3 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
11	ASD	EPG	09 14 15.4	2.0	.1		37	18	-.1	
11	AND	EPG	09 14 15.6				41	69	-.2	
11	ASC	IPG	09 14 15.7				35	42	.3	
11	ASB	IPG ES	09 14 15.8 09 14 25.4	2.6	.1		41	26	.0 -.0	
11	ANA	EPG ES	09 14 17.0 09 14 27.6				59	83	-.0 .0	
11	9 14	50.44	51.31 N 178.71 E	DEPTH = 48.3 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
11	AND	EPG ES	09 14 59.2 09 15 6.4				33	212	-.3 .3	SMALL
11	ANA	EPG	09 14 59.7				35	175	.0	
11	ASD	EPG IS	09 15 .9 09 15 7.7				45	261	.3 -.3	

AUG 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
11	10 13	3.45	51.64 N 179.39 E	DEPTH = 18.4 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
11	ASC	IPGD	10 13 8.8				25	39	.0	
		ES	10 13 13.3						.7	
11	ASD	EPG	10 13 9.1				29	7	-.2	
11	ASB	EPG	10 13 9.7				33	18	-.1	
		ES	10 13 14.4						-.0	
11	AND	IPG	10 13 9.7				32	74	.0	
		E(S)	10 13 13.4						-.8	
11	ANA	EPG	10 13 12.7				51	88	.3	
.....										
11	10 22	20.00	14.12 S 166.65 E	DEPTH = 33.0 KM			TELESEISMIC SOLUTION			
NEW HEBRIDES ISLANDS										
11	ASB	EP	10 33 10.6				7353	193		
11	ASD	EP	10 33 10.8				7356	193		TELESEISMIC
11	ASC	EP	10 33 11.6				7362	193		
11	ADK	EP	10 33 14.0				7486	198		ER 1053140
		ES	10 42 8.0							
		EL	10 50 0.0							
.....										
11	ASD	EP	10 56 48.9	19.6	.2					NO S VISIBLE
11	ASB	EP	10 56 49.8	22.2	.2					LOCAL
11	ASC	EP	10 56 50.5							
11	AND	EP	10 56 52.3							
11	ANA	EP	10 56 54.6							
.....										
11	12 35	47.80	51.43 N 176.22 E	DEPTH = 3.0 KM			TELESEISMIC SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
11	ANA	EP	12 36 19.2				170	263	3.5	
11	AND	EP	12 36 20.8				190	266	2.1	
11	ADK	EP	12 36 58.4				499	267	.9	
.....										
11	ANA	EP	12 44 25.8							VERY SIMILAR TO
11	AND	EP	12 44 27.8							1236 EVENT
11	ASC	EP	12 44 30.3							WITHOUT SECOND
11	ASB	EP	12 44 30.7							PHASE.
11	ASD	EP	12 44 32.5							
11	ADK	IP D	14 23 56.7							
		ES	14 24 3.6							
11	ADK	EP	15 49 44.4							
		ES	15 50 10.7							
11	ASD	EP	15 50 11.0	7.7	.1					
		E(S)	15 50 56.2							
11	ASB	EP	15 50 11.8	10.6	.1					
		ES	15 50 56.7							
11	ASC	EP	15 50 12.1							
		ES	15 50 58.7							
11	AND	EP	15 50 12.9							
11	ANA	EP	15 50 15.1							
		ES	15 51 3.4							
.....										
11	19 58	32.40	8.92 N 84.64 W	DEPTH = 33.0 KM			TELESEISMIC SOLUTION			
OFF COAST OF COSTA RICA										
11	ADK	EP	20 11 .2				9369	83		
.....										

AUG 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
11	ASD	EPG	20 31 15.9							
		IS	20 31 31.0							
11	ASB	EPG	20 31 16.2							
		IS	20 31 32.3							
11	ASC	IPGD	20 31 16.9							
		IS	20 31 33.4							
11	ADK	EP	20 31 37.3							
.....										
11	21 12 48.57	51.61 N 179.30 W DEPTH = 50.0 KM DELAROF ISLANDS, ALEUTIAN ISLANDS							FIXED DEPTH SOLUTION	
11	ASD	EP	21 13 4.8				98	74	-.2	
		IPG	21 13 5.2	3.2	.1	2.48				
		IS	21 13 16.7						-.3	
11	ASB	EP	21 13 5.7	4.2	.1	2.70	105	74	-.1	
		ES	21 13 18.2						-.2	
11	ASC	IP	21 13 6.4				108	80	.2	
		ES	21 13 20.2						1.2	
11	ANA	IP	21 13 10.4				141	90	.1	
		ES	21 13 25.4						-.7	
.....										
11	22 5 29.19	52.13 N 179.74 E DEPTH = 175.0 KM RAT ISLANDS, ALEUTIAN ISLANDS							FIXED DEPTH SOLUTION	
11	ASD	IP D	22 05 54.8	9.0	.1		89	18	-.3	
		IS	22 06 14.1						.1	
11	ASC	IP	22 05 55.1				85	28	.2	
		ES	22 06 13.9						.3	
11	ANA	IP D	22 05 55.3				93	52	-.1	
		ES	22 06 14.4						-.1	
11	ASB	IP	22 05 55.4				92	21	.1	
		IS	22 06 14.1						-.3	
.....										
11	ASD	IPG	23 18 4.4	2.5	.1					
		IS	23 18 11.1							
11	ASB	EPG	23 18 5.7							
		ES	23 18 13.3							
11	ANA	IPG	23 18 9.1							
.....										
12	1 39 36.70	13.86 S 166.49 E DEPTH = 43.0 KM MB = 5.8 MS = 6.3 TELESEISMIC SOLUTION NEW HEBRIDES ISLANDS								
12	ASD	EP	01 50 20.7				7330	194		TELE
12	ANA	EP	01 50 21.9				7346	193		
12	ADK	EP	01 50 28.6				7461	198		ER 0210120
		ES	01 59 15.0							
		EL	02 07 10.0							
.....										
12	ANA	IPGC	04 14 3.6							
		IS	04 14 11.8							
12	AND	EPG	04 14 5.5							
12	ASC	EPG	04 14 8.5							
12	ASB	EPG	04 14 10.3	1.7	.1					
		ES	04 14 22.5							
12	ASD	EPG	04 14 10.4	1.4	.1					
		ES	04 14 22.4							
12	AND	EP	06 34 9.8							TELE OR REG
12	ASB	IPGC	06 35 52.3	2.7	.1					
		E	06 35 58.2							
12	ASD	EPG	06 35 52.8	1.8	.1					
		E	06 35 59.1							
12	ASC	EPG	06 35 53.7							

AUG 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
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12 AND E(P) 06 35 55.2

12	7	0	19.56	52.09 N	178.63 W	DEPTH = 125.0 KM	FIXED DEPTH SOLUTION			
DELAROF ISLANDS, ALEUTIAN ISLANDS										
12	ASD	IP D	07 00 46.6	2.5	.1		161	60	-.3	
12	ASC	EP	07 00 47.7				167	64	.1	
12	ASB	IP C	07 00 47.9				168	60	.3	
		IS	07 01 8.1						-.0	
12	AND	EP	07 00 48.6				177	70	.0	
12	ANA	IP D	07 00 50.3				194	73	-.1	

12	7	20	33.79	50.97 N	179.54 E	DEPTH = 25.0 KM	FIXED DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
12	ASD	IPGD	07 20 42.2	15.1	.1	1.98	47	163	-.4	
		IS	07 20 49.0						.1	
12	ASB	IPGD	07 20 42.8	7.1	.1	1.67	48	154	.1	
		ES	07 20 49.8						.7	
12	ASC	IPGD	07 20 44.5				61	154	.0	
12	AND	EPG	07 20 47.2				78	148	.2	
		ES	07 20 55.9						-.7	
12	ANA	EPG	07 20 49.6				95	139	-.0	

12	ANA	EP	08 53 56.8							
		ES	08 54 18.6							

12	9	24	11.50	12.01 N	86.54 W	DEPTH = 33.0 KM	MB = 5.9	MS = 6.3	TELESEISMIC SOLUTION	
NICARAGUA										
12	ADK	IP C	09 36 23.2				8972	83		
12	ASB	EP	09 36 36.5				9266	79		
		I	09 37 53.6							
12	ASC	EP	09 36 36.8				9270	79		
		I	09 37 54.1							
12	ASD	EP	09 36 37.0				9260	79		TELE
		I	09 37 53.9							
12	AND	EP	09 36 37.8				9282	79		
12	ANA	EP	09 36 38.3				9301	79		

12	10	24	23.90	12.05 N	86.54 W	DEPTH = 33.0 KM	MB = 5.6	MS = 5.5	TELESEISMIC SOLUTION	
NICARAGUA										
12	ADK	IP	10 36 35.0				8969	82		
12	ASD	EP	10 36 48.7				9257	79		
12	ASB	IP C	10 36 49.1				9263	79		
12	ASC	EP	10 36 49.2				9267	79		
12	AND	EP	10 36 49.9				9279	79		
12	ANA	EP	10 36 50.7				9298	79		

12	10	41	12.90	51.36 N	179.20 W	DEPTH = 37.0 KM	MB = 4.6	TELESEISMIC SOLUTION		
DELAROF ISLANDS, ALEUTIAN ISLANDS										
12	ASD	IP D	10 41 29.0				102	90	-1.1	LARGE
12	ASB	IP D	10 41 29.7				108	89	-1.2	TOTAL WHITE OUT
12	ASC	IP D	10 41 31.3				114	95	-.4	
12	AND	IP C	10 41 33.3				130	99	-.4	
12	ANA	IP C	10 41 36.2				151	100	-.1	
12	ADK	IP	10 41 41.4				190	253	.4	FELT ML 5.0

AUG 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
		E	10 41 50.7							
		IS	10 42 4.5						3.0	
12	10 45 48.85		51.37 N 179.20 E				DEPTH = 30.0 KM			FREE DEPTH SOLUTION
										RAT ISLANDS, ALEUTIAN ISLANDS
12	ASB	IPGD	10 45 53.9	45.4	.1		3	297	.1	
		IS	10 45 57.4						.0	
12	ASD	IPGD	10 45 53.9	17.9	.1		10	268	-.1	LOCAL
		IS	10 45 57.5						-.2	
12	ASC	IPG	10 45 54.3				10	164	.3	
12	AND	IPG	10 45 55.5				27	140	.0	
12	ANA	EPG	10 45 57.7				47	126	-.2	
12	10 49 10.32		50.82 N 179.55 W				DEPTH = 50.0 KM			FIXED DEPTH SOLUTION
										DELAROF ISLANDS, ALEUTIAN ISLANDS
12	ASD	IP D	10 49 26.5	12.2	.1	3.07	99	128	-.4	
		ES	10 49 38.7						-.2	
12	ASB	IP D	10 49 27.2	8.7	.1	2.99	103	125	-.2	
		IS	10 49 39.7						-.1	
12	ASC	IP D	10 49 28.7				115	128	-.1	
12	AND	EP	10 49 31.5				133	128	.5	
12	ANA	EP	10 49 33.3				153	125	-.2	
12	ASD	IP D	10 51 43.7	7.1	.1					
12	ASB	EP	10 51 44.7	7.1	.1					
		ES	10 51 57.4							
12	ASC	IP D	10 51 46.0							
12	AND	EP	10 51 49.2							QP
12	ANA	IP	10 51 51.6							
		ES	10 52 9.4							
12	11 41 24.67		52.04 N 179.63 E				DEPTH = 154.7 KM			FREE DEPTH SOLUTION
										RAT ISLANDS, ALEUTIAN ISLANDS
12	ASD	IP C	11 41 47.4	2.9	.1		77	15	-.3	
		ES	11 42 4.5						.1	
12	ASC	EP	11 41 47.6				72	27	.2	
12	ASB	IP D	11 41 47.9	4.3	.1		80	19	.0	
		IS	11 42 4.9						.1	
12	ANA	EP	11 41 48.0				81	55	.1	QP
		IS	11 42 4.8						-.1	
12	ASD	EP	11 57 47.6	1.8	.1					POOR
		ES	11 57 59.5							
12	ASB	EP	11 57 48.8							
12	ASC	EP	11 57 50.5							
		ES	11 58 4.4							
12	ASD	IP D	12 37 19.2	6.2	.1					
		E(S)	12 37 30.8							
12	ASB	IP D	12 37 19.9	5.4	.1					
		E(S)	12 37 33.9							
12	ASC	EP	12 37 21.5							
12	AND	EP	12 37 24.0							
12	ANA	EP	12 37 26.8							QP

AUG 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
12	13	3	25.09	51.41 N	178.79 E	DEPTH = 38.4 KM				FREE DEPTH SOLUTION
RAT ISLANDS, ALEUTIAN ISLANDS										
12	AND	IPG	13 03 32.0				20	214	-.1	
12	ANA	IPG	13 03 32.5				26	160	-.0	
		ES	13 03 37.9						.0	
12	ASC	IPG	13 03 32.8				27	258	.2	
12	ASB	IPG	13 03 33.1	2.9	.1	.65	32	280	-.1	
		IS	13 03 39.1						.1	
12	ASD	IPG	13 03 33.8	4.2	.1	1.10	39	276	-.0	WESTERN LOCAL
		IS	13 03 40.1						-.1	
.....										
12	ASD	EP	13 28 7.9	1.4	.1					LOCAL
		ES	13 28 15.0							
12	ASB	EP	13 28 8.7							QP
12	ASC	EP	13 28 10.1							
.....										
12	14	14	3.24	51.14 N	178.75 E	DEPTH = 25.0 KM				FIXED DEPTH SOLUTION
RAT ISLANDS, ALEUTIAN ISLANDS										
12	ASB	IPG	14 14 11.3	3.3	.1	1.13	42	235	.0	
		IS	14 14 17.1						-.0	
12	ASD	IPGD	14 14 12.1	2.9	.1	1.31	49	238	-.1	
		I(S)	14 14 18.7						-.0	
12	ASC	EPG	14 14 12.1				46	219	.3	
		IS	14 14 17.8						-.2	
12	AND	IPGD	14 14 12.2				49	197	-.0	
		IS	14 14 19.0						.2	
12	ANA	IPGD	14 14 12.9				54	173	-.1	
.....										
12	ASB	IP D	15 02 57.1	4.0	.2					
		I(S)	15 03 13.5							
12	ASD	IP C	15 02 57.7	1.5	.1					
		I(S)	15 03 15.1							
12	ASC	IP D	15 02 58.3							
		I(S)	15 03 16.7							
12	AND	EP	15 02 58.6							
12	ASD	EP	15 33 .1	3.1	.2					
		ES	15 33 41.9							
12	ASB	EP	15 33 .8	2.0	.2					
		ES	15 33 42.9							
12	ASC	EP	15 33 1.4							
		ES	15 33 44.3							
12	AND	EP	15 33 2.1							
12	ANA	EP	15 33 4.2							
12	ASD	EP	15 39 36.0	2.8	.1					
12	ASB	EP	15 39 36.7	1.6	.1					
		ES	15 39 50.8							
12	ASC	EP	15 39 38.2							
		IS	15 39 53.2							
12	AND	EP	15 39 39.8							
12	ANA	EP	15 39 43.8							QP
12	ASD	EP	15 54 10.2	.8	.1					
		I(S)	15 54 22.0							
12	ASC	EP	15 54 12.9							
		E(S)	15 54 25.9							

AUG 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
12	16	2	16.26	51.14 N	178.56 E	DEPTH = 0.0 KM				FIXED DEPTH SOLUTION
RAT ISLANDS, ALEUTIAN ISLANDS										
12	ANA	EPG	16 02 25.9				55	187	-.4	
12	ASD	EPG	16 02 26.5				61	244	-.8	VERY POOR
		E(S)	16 02 34.3						-1.0	
12	ASC	EPG	16 02 26.6				56	229	.2	
		ES	16 02 33.8						.1	
12	AND	EPG	16 02 26.6				55	210	.4	
12	ASB	EPG	16 02 26.7				54	243	.6	
		ES	16 02 33.9						.7	
.....										
12	16	7	25.42	50.83 N	179.53 E	DEPTH = 25.0 KM				FIXED DEPTH SOLUTION
RAT ISLANDS, ALEUTIAN ISLANDS										
12	ASD	IPG	16 07 36.4	5.3	.1	1.97	63	168	.0	
		ES	16 07 44.2						-.2	
12	ASB	IPG	16 07 36.5	13.7	.1	2.39	63	161	.1	
		ES	16 07 44.6						.2	
12	ASC	EPG	16 07 38.3				75	160	.1	
12	AND	EPG	16 07 40.5				91	153	-.1	
.....										
12	ADK	EP	16 25 11.3							
		ES	16 25 30.4							
12	ASD	EP	16 25 25.4	1.5	.1					
		ES	16 25 54.8							
12	AND	EP	16 25 25.6							
12	ASB	EP	16 25 25.9	1.1	.1					
		ES	16 25 55.7							
12	ASC	IP C	16 25 27.6							
		ES	16 25 58.4							
12	ANA	EP	16 25 33.9							QP
12	ANA	EP	17 56 4.2							QP
12	ASD	IP C	17 56 6.3	8.7	.1					
		E(S)	17 56 20.7							
12	ASB	EP	17 56 7.1	7.9	.1					
		E(S)	17 56 21.1							
12	ASC	IP C	17 56 8.5							
12	AND	IP	17 56 11.1							
.....										
12	18	13	14.69	51.68 N	178.77 E	DEPTH = 55.7 KM				FREE DEPTH SOLUTION
RAT ISLANDS, ALEUTIAN ISLANDS										
12	ANA	EPG	18 13 23.1				9	55	-.1	
		ES	18 13 29.6						.1	
12	AND	IPGD	18 13 23.6				18	315	.1	
		ES	18 13 30.1						.1	
12	ASC	EPG	18 13 24.9				36	311	.2	
		E(S)	18 13 31.2						-.8	
12	ASD	EPG	18 13 25.9				52	310	-.2	
		ES	18 13 34.9						.5	
.....										
12	AND	IP C	18 24 40.2							
12	ANA	IP D	18 24 40.3							
		ES	18 24 59.0							
12	ASC	IP C	18 24 40.4							
12	ASD	IP C	18 24 40.5	2.8	.1					
12	ASB	EP	18 24 40.7	1.9	.1					
		ES	18 24 59.5							

AUG 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
12	18 40	43.20	52.27 N	179.79 W	DEPTH = 150.0 KM					FIXED DEPTH SOLUTION
			DELAROF ISLANDS, ALEUTIAN ISLANDS							
12	ASD	IP D	18 41 8.3	15.8	.1		116	31	-.2	
		IL	18 41 28.4							
12	AND	EP	18 41 8.5				117	47	-.0	
12	ASC	EP	18 41 8.7				115	38	.3	
12	ASB	IP D	18 41 8.8	51.8	.1		121	33	-.1	
		IS	18 41 27.6						-.0	
12	ANA	IP C	18 41 9.4				128	56	-.1	
		IL	18 41 29.6							
12	ASD	EP	18 51 54.1	7.3	.4					TELE
12	ANA	EP	18 51 54.1							
12	19 40	16.54	51.44 N	179.83 E	DEPTH = 64.7 KM					FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
12	ASD	IPGD	19 40 27.3	3.4	.1		35	78	-.0	
		ES	19 40 35.3						.1	
12	ASB	IPGD	19 40 27.9	4.4	.1		42	77	-.1	
		ES	19 40 36.0						-.1	
12	ASC	IPGD	19 40 28.2				47	93	-.0	
12	ANA	IPGD	19 40 31.9				84	104	.0	
		ES	19 40 43.1						.0	
12	ASB	EP	20 27 18.1	1.3	.1					
		I(S)	20 27 34.4							
12	ASD	EP	20 27 18.7	2.0	.1					
12	ASC	EP	20 27 19.2							
12	AND	IP C	20 27 19.8							
12	ANA	IP C	20 27 20.3							
		I(S)	20 27 39.1							
12	20 53	27.93	51.21 N	178.63 E	DEPTH = 30.1 KM					FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
12	AND	EPG	20 53 36.7				45	210	-.0	
12	ANA	EPG	20 53 36.8				46	183	-.1	
		ES	20 53 43.4						.0	
12	ASB	EPG	20 53 36.9	.9	.1	.71	46	249	.0	
		ES	20 53 43.3						-.1	
12	ANA	IP D	21 12 17.1							
		I(S)	21 12 47.2							
12	AND	EP	21 12 19.4							
		I(S)	21 12 49.3							
12	ASC	EP	21 12 21.7							
12	ASB	EP	21 12 22.8	8.7	.3					
12	ASD	EP	21 12 23.5	10.4	.3					
12	ASD	EP	23 10 11.0	1.3	.1					QP
12	ASC	IP	23 10 12.8							
12	AND	IP	23 10 15.2							
12	ASB	EP	23 10 10.2							
12	ASD	E(P)	23 26 18.3	2.4	.1					QP
12	ASB	IP	23 26 18.8	5.3	.2					NO S VISIBLE
12	ASC	E(P)	23 26 20.7							QP, NOISY
12	AND	E(P)	23 26 22.8							

AUG 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
12	23 30	8.16	51.27 N 179.83 W	DEPTH = 83.8 KM			FREE DEPTH SOLUTION			
DEAROF ISLANDS, ALEUTIAN ISLANDS										
12	ASD	EP	23 30 22.6				59	101	-0	
12	ASB	EP	23 30 23.1				65	98	-0	
		ES	23 30 34.0						-0	
12	ASC	EP	23 30 23.8				73	107	-0	
.....										
12	ASD	IP C	23 46 4.5	1.4	.1					
		E(S)	23 46 13.9							
12	ASB	EP	23 46 5.2							
		E(S)	23 46 15.6							
12	ASC	EP	23 46 6.8							
12	AND	IP D	23 46 10.6							
12	ANA	EP	23 46 13.3							
12	ASD	IP D	23 55 43.7	8.4	.1					
12	ASB	IP D	23 55 44.2	10.1	.1					
		I(S)	23 55 52.9							
12	ASC	EP	23 55 46.0							
12	AND	IP D	23 55 48.4							
		I(S)	23 56 2.5							
12	ANA	EP	23 55 51.3							QP
13	ASD	EP	00 46 1.7	2.8	.1					REGIONAL
13	ASB	IP C	00 46 2.3	14.0	.3					
13	ASC	EP	00 46 3.4							
13	AND	EP	00 46 4.5							
13	ANA	EP	00 46 6.5							
.....										
13	1 47 51.41	51.40 N 178.78 E	DEPTH = 43.5 KM			FREE DEPTH SOLUTION				
RAT ISLANDS, ALEUTIAN ISLANDS										
13	AND	IPGD	01 47 59.1				22	213	-0.1	
		IS	01 48 4.8						0	
13	ANA	IPGC	01 47 59.5				27	162	-0	
13	ASC	IPG	01 47 59.8				28	254	0.2	
13	ASB	IPGD	01 48 0.0	3.5	.1	.74	33	277	-0	
		ES	01 48 6.3						0	
13	ASD	IPGD	01 48 .6	3.9	.1	1.08	39	273	-0.1	
		ES	01 48 7.3						-0.1	
.....										
13	ASD	EPN	02 05 49.9							
		IPG	02 05 52.0	5.7	.2					
		ES	02 06 36.8							
13	ASB	EPN	02 05 50.8							
		EPG	02 05 53.0	19.8	.3					
		ES	02 06 40.3							
13	ASC	EPN	02 05 52.9							
13	AND	EP	02 05 53.4							
13	ANA	EP	02 05 56.1							
		ES	02 06 43.3							
13	ASD	EP	02 50 10.2							SMALL
		ES	02 50 33.6							
13	ASB	EP	02 50 10.9							
		ES	02 50 35.0							
13	ANA	EP	02 50 15.8							

AUG 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
13	3	2	31.98	51.22 N	178.67 E	DEPTH = 40.4 KM	FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
13	ASB	EPG	03 02 41.4				43	249	-.0	SMALL
		ES	03 02 48.3						.0	
13	AND	EPG	03 02 41.4				42	208	.0	
13	ANA	IPG	03 02 41.6				45	179	-.0	
13	ASD	EPG	03 02 42.2				50	250	-.0	
		ES	03 02 49.6						-.1	
13	ASD	EP	03 13 28.6				POOR RECORDING.			
		ES	03 13 43.1							
13	ASB	EP	03 13 29.3							
		ES	03 13 44.1							
13	ASC	EP	03 13 30.8							
		ES	03 13 45.5							
13	4	22	38.50	8.88 S	117.98 E	DEPTH = 117.0 KM MB = 6.0	TELESEISMIC SOLUTION			
SUMBAWA ISLAND REGION										
13	AND	EP	04 34 35.4				8858	241		TELESEISM
13	ASB	EP	04 34 35.7				8865	242		
13	ASD	EP	04 34 35.7				8872	242		
13	ADK	IP C	04 34 48.6				9150	245		
13	4	35	52.26	50.98 N	178.65 E	DEPTH = 25.0 KM	FIXED DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
13	ASB	EPG	04 36 2.8	4.4	.1	1.81	60	224	-.0	
		ES	04 36 10.3						-.2	
13	ASD	IPG	04 36 3.7	5.5	.1	2.06	66	227	.0	
		ES	04 36 12.0						.0	
13	ASC	IPG	04 36 3.7				65	214	.1	
		ES	04 36 12.0						.2	
13	AND	IPG	04 36 4.0				69	198	-.1	
13	ANA	IPG	04 36 4.7				73	180	.0	
13	ANA	IPG	05 48 .5							
		ES	05 48 7.5							
13	AND	EPG	05 48 3.0							
		ES	05 48 11.7							
13	ASC	EPG	05 48 5.5							
		ES	05 48 16.2							
13	ASB	EPG	05 48 7.6	7.3	.3					
		ES	05 48 19.3							
13	ASD	EPG	05 48 8.0	9.4	.4					
		ES	05 48 20.2							
13	ASD	EP	07 18 10.5				SMALL. S OBSCUR			
13	ASB	EP	07 18 11.2				E.			
13	ASC	EP	07 18 11.2							
13	ANA	EP	07 18 12.2							
13	ANA	EP	11 35 17.7							
13	ASB	IP	11 35 19.8	2.7	.1					
		ES	11 35 39.0							
13	ASD	EP	11 35 20.7							
13	ANA	EP	12 49 1.1							
		ES	12 49 23.6							
13	AND	EP	12 49 4.3							
		ES	12 49 26.6							
13	ASC	EP	12 49 7.3							

AUG 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
13	ASB	EP	12 49 8.2	2.9	.1					
13	ASD	EP	12 49 8.7							
		ES	12 49 33.6							

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13	13 7 4.11	51.18 N 178.10 E	DEPTH = 25.0 KM	FIXED DEPTH SOLUTION						
RAT ISLANDS, ALEUTIAN ISLANDS										
13	ANA	EPG	13 07 15.1				63	219	-.1	
		ES	13 07 23.6						.3	
13	AND	EPGD	13 07 16.4				73	235	-.2	
		ES	13 07 25.5						-.3	
13	ASB	EPG	13 07 17.9				83	256	-.1	
		ES	13 07 28.4						.2	
13	ASC	EPG	13 07 18.2				81	247	.4	
13	ASD	EPG	13 07 19.1				89	256	.0	
		ES	13 07 29.7						-.2	

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13	13 55 36.20	51.14 N 178.79 E	DEPTH = 25.0 KM	FIXED DEPTH SOLUTION						
RAT ISLANDS, ALEUTIAN ISLANDS										
13	ASB	EPG	13 55 44.0	3.1	.1	1.02	40	233	.0	GOOD RECORDING.
		I(S)	13 55 49.4						-.2	
13	ASC	EPG	13 55 44.8				44	216	.3	
		IS	13 55 50.7						.1	
13	ASD	IPGD	13 55 44.9	2.7	.1	1.19	46	236	.1	
		IS	13 55 50.7						-.4	
13	AND	IPGD	13 55 45.0				48	194	-.1	
		IS	13 55 51.9						.4	
13	ANA	IPGD	13 55 45.8				55	170	-.2	
		IS	13 55 53.0						-.1	

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13	15 38 41.01	52.22 N 179.60 E	DEPTH = 175.0 KM	FIXED DEPTH SOLUTION						
RAT ISLANDS, ALEUTIAN ISLANDS										
13	AND	EP D	15 39 6.6				86	31	-.1	
13	ANA	EP	15 39 7.0				92	44	-.1	
13	ASC	EP	15 39 7.2				90	19	.2	
		ES	15 39 26.9						1.0	
13	ASD	IP	15 39 7.3	16.5	.1		96	11	-.0	
		ES	15 39 26.4						-.2	
13	ASB	IP	15 39 7.6	9.8	.1		99	14	.1	
		ES	15 39 26.2						-.7	

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13	17 26 51.93	51.40 N 178.47 E	DEPTH = 57.6 KM	FREE DEPTH SOLUTION						
RAT ISLANDS, ALEUTIAN ISLANDS										
13	ANA	EPG	17 27 1.6				29	207	.0	
13	AND	EPG	17 27 2.2				38	241	-.1	
13	ASB	EPG	17 27 3.4				54	275	-.3	
		ES	17 27 12.5						.3	
13	ASD	EPG	17 27 4.6				60	272	.3	
		ES	17 27 13.1						-.3	

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13	19 2 57.13	51.89 N 179.73 W	DEPTH = 50.0 KM	FIXED DEPTH SOLUTION						
DEAROF ISLANDS, ALEUTIAN ISLANDS										
13	ASD	EPG	19 03 12.0				86	48	-.1	
		ES	19 03 23.0						.0	
13	ASB	EPG	19 03 12.7				92	50	-.1	
		ES	19 03 24.2						-.0	

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AUG 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
. 13	ASC	EPG	19 03 12.8				90	58	.2	
. 13	ANA	EPGD	19 03 15.5				115	75	-.1	
.		ES	19 03 29.0						-.0	
.....										
. 13	21	9 30.99	51.93 N 178.87 E	DEPTH = 120.5 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
. 13	AND	IP D	21 09 48.3				41	352	-.0	AMP MEASURED ON
.		IS	21 10 .3						-.6	
. 13	ANA	IP D	21 09 48.3				36	24	.2	FIRST MOTION.
.		IS	21 10 .6						-.0	
. 13	ASC	EP	21 09 49.1				55	339	.1	
.		IS	21 10 3.0						.8	
. 13	ASB	IP C	21 09 49.7	33.1	.2		68	338	-.1	
.		IS	21 10 3.4						-.1	
. 13	ASD	IP D	21 09 49.7	57.5	.2		69	332	-.2	
.		IS	21 10 3.6						-.0	
.....										
. 13	23	3 40.40	51.83 N 175.51 W	DEPTH = 63.0 KM MB = 4.1			TELESEISMIC SOLUTION			
ANDREANOF ISLANDS, ALEUTIAN IS.										
. 13	ADK	IP D	23 03 54.8				74	94	.2	FELT
.		ES	23 04 4.5						-.4	
. 13	ASD	IP	23 04 29.6				359	80	.5	LARGE
. 13	ASB	IP	23 04 30.3	353.9	.2		366	80	.4	
.		E(S)	23 05 14.4						8.3	
. 13	ASC	EP	23 04 31.3				370	82	.9	
. 13	AND	EP	23 04 33.3				383	83	1.3	
. 13	ANA	IP	23 04 35.6				402	85	1.2	
.....										
. 14	3	39 33.50	64.89 N 147.80 W	DEPTH = 19.0 KM MB = 5.0 MS = 5.0			TELESEISMIC SOLUTION			
CENTRAL ALASKA										
. 14	ADK	EP	03 44 4.0				2190	38		
.....										
. 14	4	52 16.35	51.52 N 179.20 W	DEPTH = 25.0 KM			FIXED DEPTH SOLUTION			
DELAROF ISLANDS, ALEUTIAN ISLANDS										
. 14	ASD	EP	04 52 33.2	2.0	.1	2.33	102	80	-.0	
.		IS	04 52 45.6						.1	
. 14	ASB	EP	04 52 34.2	2.0	.1	2.44	109	80	-.0	
.		ES	04 52 47.1						-.1	
. 14	ASC	EP	04 52 35.0				113	86	.1	
. 14	AND	EP	04 52 36.7				128	91	-.3	QP
. 14	ANA	EP	04 52 40.3				148	94	.2	
.....										
14	ANA	IP D	05 01 22.0							QS
		ES	05 01 29.9							
14	AND	EP	05 01 25.1							
		ES	05 01 35.3							
.....										
14	ASD	EP	06 45 36.0							POOR READINGS
		ES	06 45 53.3							
14	ASB	EP	06 45 36.3							
		ES	06 45 54.0							
14	ANA	EP	06 45 36.8							
14	AND	EP	06 45 37.3							

AUG 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
14	7 21 40.50	50.88 N 178.49 E DEPTH = 38.2 KM					FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
14	ASB	IPG	07 21 53.8	4.9	.1	2.23	75	225	-.1	
		IS	07 21 3.8						.1	
14	ASC	IPG	07 21 54.7				80	217	.1	
		ES	07 21 4.9						.0	
14	AND	IPG	07 21 54.8				82	204	-.1	
14	ASD	EPG	07 21 54.9	7.7	.1	2.55	81	228	.1	
		ES	07 21 5.1						-.1	
14	ANA	IPG	07 21 55.2				84	188	.1	
.....										
.....										
14	8 6 25.22	51.46 N 178.94 E DEPTH = 58.0 KM					FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
14	ASC	EPG	08 06 34.1				15	267	-.1	
		ES	08 06 40.5						-.3	
14	AND	EPG	08 06 34.2				12	183	.1	QP
		ES	08 06 40.9						.3	
14	ANA	IPGC	08 06 34.7				27	134	-.1	
		ES	08 06 41.8						-.0	
14	ASB	EPG	08 06 34.8				24	297	.2	
		ES	08 06 41.4						-.0	
14	ASD	EPG	08 06 34.9				29	288	-.0	SMALL
.....										
14	ASC	EPG	08 55 36.8							
14	ASB	EPG	08 55 38.6							
		ES	08 55 44.2							
14	ASD	EPG	08 55 39.0							SMALL
		ES	08 55 44.8							
14	AND	EPG	08 55 40.2							
.....										
14	10 17 17.38	52.01 N 179.98 W DEPTH = 75.0 KM					FIXED DEPTH SOLUTION			
DELAROF ISLANDS, ALEUTIAN ISLANDS										
14	ASD	EP	10 17 33.4	1.1	.1		85	33	-.1	SMALL
14	ASC	IP D	10 17 33.8				85	44	.3	
14	AND	EP	10 17 33.8				89	55	-.1	QP
14	ASB	IP D	10 17 34.0	1.8	.1		90	36	-.0	
		E(S)	10 17 46.2						-.0	
.....										
.....										
14	10 49 12.86	50.81 N 178.44 E DEPTH = 25.0 KM					FIXED DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
14	ASB	IP D	10 49 26.9	6.3	.1	2.51	83	223	.0	
		IS	10 49 36.9						-.2	
14	ASD	IP D	10 49 27.8	9.0	.1	2.77	89	225	.0	
		IS	10 49 38.6						-.0	
14	ASC	IP D	10 49 27.8				89	215	.1	
		IS	10 49 38.8						.3	
14	AND	IP D	10 49 27.9				91	203	-.2	
		ES	10 49 39.1						-.1	
14	ANA	IP D	10 49 28.3				92	190	.1	
.....										
14	ANA	EP	11 58 11.6							
14	AND	EP	11 58 13.9							
14	ASC	EP	11 58 17.7							
14	ASB	EP	11 58 18.3	5.1	.3					
14	ASD	EP	11 58 18.5	9.4	.4					TELE

AUG 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
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14	12 10	55.88	51.80 N 179.88 E	DEPTH = 140.5 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
14	ASD	EP	12 11 16.4	1.1	.1		60	38	-.0	
14	ASC	EP	12 11 16.5				62	52	-.0	
14	ASB	EP	12 11 16.7	.9	.1		66	41	-.0	
		ES	12 11 31.9						-.0	

14	12 26	47.13	51.01 N 178.43 E	DEPTH = 50.0 KM			FIXED DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
14	AND	IP	12 27 0.0				71	211	-.4	
		ES	12 27 10.3						.3	
14	ANA	IP	12 27 .3				70	194	.1	
14	ASC	EP	12 27 .4				72	226	-.0	
14	ASD	EP	12 27 .6				76	238	-.3	
14	ASB	EP	12 27 .7				69	236	.6	QP
		ES	12 27 9.3						-.3	

14	13 27	15.90	51.31 N 177.84 E	DEPTH = 18.8 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
14	ANA	IPG	13 27 27.3				67	239	.0	
		ES	13 27 35.6						-.0	
14	AND	EPG	13 27 29.6				82	251	-.0	
14	ASB	EPG	13 27 32.0				98	267	-.0	SMALL

14	14 3	27.07	51.29 N 178.67 E	DEPTH = 31.8 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
14	ANA	IPGD	14 03 35.0				37	179	.0	
		ES	14 03 40.7						-.1	
14	ASC	IPG	14 03 35.4				39	242	.1	
14	ASB	EPG	14 03 35.5				41	260	.0	
		ES	14 03 41.6						.0	
14	ASD	IPGC	14 03 36.2	1.5	.1	1.00	48	259	-.1	
		ES	14 03 43.1						-.0	

14	ASD	IPG	14 46 14.3	10.4	.1					
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		ES	14 46 25.2							
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14	ASB	IPGD	14 46 15.1	7.1	.1					
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		ES	14 46 26.8							
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14	ASC	IP	14 46 16.7							
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14	AND	IP	14 46 19.3							
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14	ANA	IPND	14 46 22.0							
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		IPG	14 46 22.8							
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		IL	14 46 40.2							
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14	ANA	EPN	15 45 38.1							
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		IPG	15 45 39.0							
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		I(S)	15 45 53.0							
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14	ADK	EP	17 05 26.5							
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14	ASD	IP D	17 06 .7	15.0	.3					
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14	ASB	EP	17 06 1.9	38.2	.3					
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14	ASC	EP	17 06 2.5							
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14	AND	EP	17 06 5.9							
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14	ANA	IP	17 06 8.1							
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AUG 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
14	17 49	47.92	50.97 N 179.57 E	DEPTH = 25.0 KM			FIXED DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
14	ASD	IPGC	17 49 56.7	14.1	.1	1.99	48	161	-.2	POSS.DEEP
		IS	17 50 3.2						-.2	
14	ASB	IPGC	17 49 57.2	6.3	.1	1.67	49	153	.2	
		ES	17 50 4.2						.6	
14	ASC	IPG	17 49 58.8				62	153	-.0	
		IS	17 50 7.1						.3	
14	AND	IPGC	17 50 1.0				79	147	-.3	
		IS	17 50 10.3						-.8	
14	ANA	IPG	17 50 4.2				97	139	.2	
.....										
14	18 14	11.51	51.81 N 178.65 E	DEPTH = 111.6 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
14	ANA	IP C	18 14 27.0				20	358	-.1	
		IS	18 14 38.5						.1	
14	AND	IP C	18 14 27.4				34	323	-.1	
		IS	18 14 39.2						-.0	
14	ASC	IP	18 14 28.6				52	317	.2	
		IS	18 14 41.1						.4	
14	ASD	IP C	18 14 29.3	5.0	.1		68	315	-.1	
		IS	18 14 42.1						-.3	
14	ASB	IP	18 14 29.3	3.0	.1		65	321	.1	
		IS	18 14 42.0						-.1	
.....										
14	19 58	11.11	51.23 N 178.90 E	DEPTH = 23.0 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
14	ASB	EP	19 58 17.0				29	238	-.2	QP, SM. LOCAL
		ES	19 58 22.1						.4	
14	ASD	EP	19 58 18.0				35	242	-.1	POOR READINGS
		ES	19 58 22.4						-.7	
14	ASC	EP	19 58 18.2				32	215	.5	
14	AND	EP	19 58 18.4				38	186	-.0	
		ES	19 58 24.2						.4	
14	ANA	EP	19 58 19.9				48	160	.1	QP
		ES	19 58 25.5						-.7	
.....										
14	20 10	17.82	51.54 N 177.35 E	DEPTH = 73.1 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
14	ANA	IPGD	20 10 34.5				91	265	.0	
		E(S)	20 10 46.6						-.0	
14	AND	IPGD	20 10 36.5				111	269	-.1	
14	ASC	IPG	20 10 38.5				126	275	.1	
14	ASB	IPGD	20 10 39.1	21.7	.1		133	279	-.1	
		I(S)	20 10 51.8						-2.9	
14	ASD	IPGD	20 10 39.9	120.3	.2		139	278	.0	
		E(S)	20 10 52.7						-3.3	
.....										
14	23 34	13.86	51.17 N 178.56 E	DEPTH = 23.2 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
14	AND	IPGD	23 34 23.0				51	212	-.1	
		ES	23 34 29.8						.0	
14	ANA	IPGD	23 34 23.0				51	188	-.0	
14	ASB	IPGD	23 34 23.2	18.5	.1	2.21	52	247	.0	
		IS	23 34 30.0						.0	

AUG 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
. 14	ASC	IPG	23 34 23.5				53	233	.2	
. 14	ASD	IPGD	23 34 24.1	3.9	.1	1.74	59	248	-.1	
.		ES	23 34 31.6						-.1	
.....										
. 14	23 35	7.60	51.17 N 178.54 E	DEPTH = 25.0 KM			FIXED DEPTH SOLUTION			
.			RAT ISLANDS, ALEUTIAN ISLANDS							
. 14	AND	IPGC	23 35 17.0				52	213	-.1	
.		ES	23 35 23.9						-.1	
. 14	ANA	IPGC	23 35 17.0				52	189	.0	
. 14	ASB	IPGD	23 35 17.2	3.0	.1	1.47	54	247	-.1	
.		ES	23 35 24.1						-.2	
. 14	ASC	IPGC	23 35 17.5				54	233	.1	
.		ES	23 35 24.7						.2	
.....										
. 14	23 35	36.56	51.15 N 178.55 E	DEPTH = 26.8 KM			FREE DEPTH SOLUTION			
.			RAT ISLANDS, ALEUTIAN ISLANDS							
. 14	AND	IPGC	23 35 46.2				54	211	-.2	
.		ES	23 35 53.4						-.1	
. 14	ANA	IPGC	23 35 46.2				54	188	-.2	
.		ES	23 35 53.8						.3	
. 14	ASB	IPGD	23 35 46.4	2.5	.1	1.40	54	244	.1	
.		IS	23 35 53.3						-.2	
. 14	ASC	EPG	23 35 46.8				55	231	.3	
.		ES	23 35 53.8						.0	
.....										
. 14	23 44	.93	51.19 N 178.55 E	DEPTH = 25.0 KM			FIXED DEPTH SOLUTION			
.			RAT ISLANDS, ALEUTIAN ISLANDS							
. 14	ASD	EPG	23 44 11.5				59	249	.1	
.		IS	23 44 18.6						-.4	
. 14	AND	IPGD	23 44 10.0				50	214	-.1	
.		IS	23 44 16.7						-.1	
. 14	ANA	IPGC	23 44 10.0				49	189	-.0	
. 14	ASB	IPGC	23 44 10.3	4.3	.1	1.59	52	249	-.1	
.		IS	23 44 17.2						-.1	
. 14	ASC	IPGC	23 44 10.5				53	235	.1	
.		IS	23 44 17.8						.4	
.....										
15	ADK	EP	00 02 5.9							
		ES	00 02 19.7							
15	ASD	EP	00 02 43.9							POOR
15	ASB	EP	00 02 44.1							
		E(S)	00 03 28.7							
15	ANA	EP	00 02 49.2							
15	ADK	EP	00 50 30.4							
		ES	00 51 .2							
15	ASD	IP D	00 50 55.6	18.8	.1					
		IS	00 51 43.8							
15	ASB	IP	00 50 56.4							
		ES	00 51 45.3							
15	ASC	EP	00 50 56.8							
		IS	00 51 47.9							
15	AND	IP	00 50 58.2							
15	ANA	EP	00 50 59.7							
		ES	00 51 51.8							
15	ASD	EPG	01 37 4.1							SMALL
		ES	01 37 17.3							
15	ASB	EPG	01 37 4.7							

AUG 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
15	ASC	ES	01 37 19.3							
		EPG	01 37 6.2							
		ES	01 37 20.9							
15	ANA	EPG	01 37 11.7							
15	ASD	EPG	01 37 30.8	7.1	.1					
		IS	01 37 42.1							
15	ASB	EPG	01 37 32.5	7.6	.1					
		ES	01 37 44.6							
15	ASC	EPG	01 37 33.6							
15	ANA	EPG	01 37 38.9							
15	ASD	EPG	02 39 46.0							
		ES	02 39 55.8							
15	ASB	EPG	02 39 47.3							
		ES	02 39 57.5							
15	ASC	EPG	02 39 48.2							
15	ANA	EPG	02 39 52.2							

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 15 2 39 47.40 51.87 N 176.70 E DEPTH = 30.0 KM MB = 4.4 TELESEISMIC SOLUTION
 RAT ISLANDS, ALEUTIAN ISLANDS

15	ANA	IP	02 40 10.0			138	282	.3	VERY LARGE
15	AND	EP	02 40 10.2			159	283	-2.1	AMPLITUDE.
15	ASC	EP	02 40 10.9			176	286	-3.5	
15	ASB	IP	02 40 14.9			185	289	-.6	
15	ASD	EP	02 40 15.7			191	288	-.5	
15	ADK	EP	02 40 50.9			462	272	1.2	
		ES	02 41 39.0					3.8	

15	ANA	EPN	02 45 5.0						
		IS	02 45 29.0						
15	AND	EPN	02 45 8.9						
15	ASC	EPN	02 45 9.7						
		ES	02 45 33.8						
15	ASB	EPN	02 45 11.2						
15	ASD	EPN	02 45 12.7						
		ES	02 45 35.6						

15	ANA	EP	02 52 50.5						
		ES	02 53 8.6						
15	AND	E(P)	02 52 54.5						

POOR

15	ASB	EP	03 18 45.6	1.4	.1				
		ES	03 19 .3						
15	ASD	EP	03 18 46.0	1.0	.1				

15	ANA	IPNC	04 24 55.7						
		IS	04 25 12.4						
15	AND	EPN	04 24 58.2						
		ES	04 25 16.3						
15	ASB	EPN	04 25 1.1						
15	ASD	EPN	04 25 1.7						

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 15 5 3 39.00 52.60 N 176.21 W DEPTH = 218.0 KM MB = 3.2 TELESEISMIC SOLUTION
 ANDREANOF ISLANDS, ALEUTIAN IS.

15	ADK	IP C	05 04 9.4			83	18	-.0	
		ES	05 04 32.9					1.2	
15	ASD	IP	05 04 29.8	36.0	.1	334	64	-.8	
		ES	05 05 7.7					-.5	
15	ASB	IP C	05 04 30.7	46.4	.1	341	64	-.6	
		ES	05 05 10.0					.6	
15	ASC	EP	05 04 31.1			341	67	-.2	
		ES	05 05 10.0					.5	
15	AND	EP	05 04 31.5			350	69	-.8	

AUG 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
15	ANA	ES	05 05 13.4						2.2	
15	ANA	IP C	05 04 33.6				367	71	-5	
15	ANA	ES	05 05 16.5						2.2	
.....										
15	6 11	8.39	52.14 N	179.91 W	DEPTH = 175.0 KM			FIXED DEPTH SOLUTION		
DELAROF ISLANDS, ALEUTIAN ISLANDS										
15	ASD	IP C	06 11 34.8	2.5	.1		99	31	-2	
15	ASD	ES	06 11 54.2						-1	
15	ASC	IP	06 11 35.1				99	40	.2	
15	ASC	ES	06 11 54.2						-1	
15	AND	EP D	06 11 35.1				101	50	.0	
15	AND	ES	06 11 55.1						.6	
15	ASB	IP	06 11 35.3	3.6	.1		104	34	.0	
15	ASB	ES	06 11 54.9						-0	
15	ANA	IP D	06 11 35.8				114	59	-1	
15	ANA	ES	06 11 55.7						-3	
.....										
15	6 48	37.25	51.33 N	178.71 E	DEPTH = 25.0 KM			FIXED DEPTH SOLUTION		
RAT ISLANDS, ALEUTIAN ISLANDS										
15	AND	IPGD	06 48 43.8				31	213	.0	SMALL AMP. ON
15	AND	IS	06 48 48.6						.0	
15	ANA	IPGD	06 48 44.2				33	174	.1	ASD AND ASB.
15	ANA	IS	06 48 48.7						-4	
15	ASC	IPGC	06 48 44.5				35	245	.2	
15	ASC	IS	06 48 49.9						.5	
15	ASB	EPG	06 48 44.7				37	265	.1	
15	ASB	IS	06 48 49.6						-4	
15	ASD	EPG	06 48 45.4				44	263	-1	
15	ASD	IS	06 48 51.4						-2	
.....										
15	ASD	EP	06 58 8.1	2.9	.1					
15	ASB	EP	06 58 8.7	9.4	.2					
15	ASD	ES	06 58 18.2							
15	ASC	I(P)	06 58 11.4							
15	AND	EP	06 58 13.6							
15	AND	ES	06 58 28.9							
15	ANA	EP	06 58 16.6							
.....										
15	8 33	45.49	51.37 N	179.36 E	DEPTH = 64.2 KM			FREE DEPTH SOLUTION		
RAT ISLANDS, ALEUTIAN ISLANDS										
15	ASD	IPGD	08 33 54.9				1	131	-1	
15	ASD	IS	08 34 2.0						.1	
15	ASB	IPGD	08 33 54.9	492.9	.2		8	83	-1	
15	ASB	IS	08 34 2.0						.0	
15	ASC	IPGD	08 33 55.5				17	128	.2	
15	AND	IPGD	08 33 56.1				35	127	-2	
15	AND	IS	08 34 4.0						-1	
15	ANA	IPGC	08 33 58.1				56	120	.1	
.....										
15	AND	EP	09 23 53.7							VERY SMALL
15	ANA	IP	09 23 53.9							
15	ASD	EP	09 23 54.1							
15	ASD	ES	09 24 13.4							
15	ASC	EP	09 23 54.1							
15	ASB	EP	09 23 54.4							

AUG 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
15	10	1	11.94	51.27 N	178.66 E	DEPTH = 54.7 KM				FREE DEPTH SOLUTION
				RAT ISLANDS, ALEUTIAN ISLANDS						
15	AND	IPGC	10 01 22.0				38	212	-.0	
		ES	10 01 29.3						-.1	
15	ANA	IPGC	10 01 22.1				40	180	-.0	
		ES	10 01 29.7						.1	
15	ASB	IPG	10 01 22.3				42	256	-.1	
15	ASD	EPG	10 01 23.1				49	256	.1	
15	ANA	EPN	10 29 26.4							VERY EMERGENT
15	AND	EPN	10 29 28.3							
15	11	7	14.70	51.25 N	178.64 E	DEPTH = 50.0 KM				FIXED DEPTH SOLUTION
				RAT ISLANDS, ALEUTIAN ISLANDS						
15	ANA	IP	11 07 24.6				42	182	-.2	
		ES	11 07 32.2						.1	
15	AND	IP	11 07 24.6				41	212	-.1	
		ES	11 07 31.8						-.1	
15	ASB	EP	11 07 24.9				44	253	-.0	
15	ASC	EP	11 07 25.1				44	237	.2	
		ES	11 07 32.7						.4	
15	ASD	EP	11 07 25.7				51	254	.1	
		ES	11 07 33.1						-.5	
15	11	50	38.76	51.93 N	179.78 W	DEPTH = 75.0 KM				FIXED DEPTH SOLUTION
				DELAROF ISLANDS, ALEUTIAN ISLANDS						
15	ASC	EPG	11 50 55.1				90	54	-.3	
15	ASD	EPG	11 50 55.3				87	44	.2	
15	ASB	EPG	11 50 55.7				93	46	.0	
15	AND	EPG	11 50 56.1				97	64	-.0	
		IS	11 51 8.8						.0	
15	ANA	EPG	11 50 58.0				113	72	.1	
15	13	26	57.20	51.48 N	179.40 W	DEPTH = 64.7 KM				FREE DEPTH SOLUTION
				DELAROF ISLANDS, ALEUTIAN ISLANDS						
15	ASD	EPG	13 27 13.1	2.0	.1		88	82	.1	
		ES	13 27 24.4						-.1	
15	ASB	IPGD	13 27 13.9	4.9	.1		95	81	.1	
		IS	13 27 25.8						-.0	
15	ASC	EPG	13 27 14.3				99	88	.0	
		IS	13 27 26.4						-.3	
15	AND	EPG	13 27 16.1				114	94	.1	
		ES	13 27 30.0						.3	
15	ANA	EPG	13 27 18.1				135	96	-.4	
		IS	13 27 34.2						.2	
15	13	38	56.14	51.64 N	178.94 W	DEPTH = 100.0 KM				FIXED DEPTH SOLUTION
				DELAROF ISLANDS, ALEUTIAN ISLANDS						
15	ASD	IP	13 39 17.9				123	75	.0	
		IS	13 39 33.7						-.0	
15	ASB	IP	13 39 18.8	13.4	.2		130	75	.2	
		IS	13 39 34.5						-.5	
15	ASC	IP	13 39 19.1				133	81	.2	
15	AND	IP	13 39 20.2				146	86	-.1	
		IS	13 39 38.0						.0	

AUG 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
. 15	ANA	IP	13 39 22.5				166	88	-.0	
. 15	ADK	IP D	13 39 22.5				165	262	.1	
.		IS	13 39 41.2						-.3	
.....										
15	ASB	EP	13 51 50.6	3.6	.1					
15	ANA	EP	13 51 50.8							
		ES	13 52 10.2							
15	AND	IP	13 51 51.1							
		ES	13 52 10.1							
15	ASC	EP	13 51 51.3							
15	ASD	EP	13 51 51.4							
		ES	13 52 10.3							
15	ADK	EP	14 02 4.5							
		ES	14 03 6.2							
15	ADK	EP	14 46 20.0							
		ES	14 46 28.8							
15	ASD	EPN	14 46 45.5							TELESEISMIC
15	ASB	EPN	14 46 46.7							
15	ASC	EPN	14 46 47.4							
15	ANA	EPN	14 46 49.9							
15	AND	EPN	14 46 53.2							
15	ANA	EPN	15 11 23.0							
15	AND	EPN	15 11 25.0							
		ES	15 11 51.4							
15	ASB	EPN	15 11 27.9							
		IPG	15 11 30.7	11.6	.2					
15	ASC	EPN	15 11 28.8							
15	ASD	EPN	15 11 28.8							
		IPG	15 11 31.4	27.4	.3					
15	ADK	EP	15 12 5.5							
		ES	15 12 58.4							
15	ASD	IP	15 23 23.5							NO S.
15	ASB	IP	15 23 23.9							
15	ASC	IP	15 23 25.9							
15	AND	EP	15 23 26.7							
.....										
. 15	15 34 59.50	51.41 N 179.26 W	DEPTH = 0.0 KM							FIXED DEPTH SOLUTION
.		DELAROF ISLANDS, ALEUTIAN ISLANDS								
. 15	ASD	EPG	15 35 16.4	2.2	.1	2.31	97	87	-.3	
.		ES	15 35 28.9						-.3	
. 15	ASB	EPG	15 35 17.6	4.0	.1	2.67	104	86	-.1	
.		ES	15 35 31.0						.1	
. 15	ASC	EPG	15 35 18.6				110	92	.1	
.		ES	15 35 33.1						.7	
. 15	AND	EPG	15 35 21.4				125	97	.5	
.		ES	15 35 36.6						.2	
. 15	ANA	EPG	15 35 23.8				146	99	-.2	
.		ES	15 35 41.2						-.7	
.....										
15	ADK	EP	16 00 18.9							
		ES	16 00 27.0							
.....										
. 15	16 49 25.17	51.33 N 179.60 W	DEPTH = 98.2 KM							FREE DEPTH SOLUTION
.		DELAROF ISLANDS, ALEUTIAN ISLANDS								
. 15	ASD	EPG	16 49 41.7	2.0	.1		74	94	-.5	
.		IS	16 49 55.3						.7	
. 15	ASB	EPG	16 49 42.6	2.7	.1		80	92	-.1	
.		IS	16 49 55.6						.1	
. 15	ASC	EPG	16 49 43.7				87	99	.4	

AUG 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
		IS	16 49 55.7						-0.8	
15	AND	EPG	16 49 45.0				104	104	.2	
15	ANA	IPG	16 49 47.0				125	105	.0	
.....										
15	ANA	EP	17 25 52.0							POOR
15	AND	EP	17 25 52.1							
15	ASB	EP	17 25 52.5							
15	ASC	EP	17 25 52.6							
15	ASD	EP	17 25 52.7							
.....										
15	18 29 58.51		51.05 N 179.15 W							DEPTH = 25.0 KM FIXED DEPTH SOLUTION DELAROF ISLANDS, ALEUTIAN ISLANDS
15	ASD	IP	18 30 16.5	1.3	.1	2.27	111	109	-0.2	
15	ASB	EP	18 30 17.3				117	107	-0.3	
		ES	18 30 31.9						.5	
15	ASC	EP	18 30 18.8				126	111	-0.1	
15	AND	EP	18 30 21.3				144	113	-0.3	
		ES	18 30 38.3						-0.1	
15	ANA	IP	18 30 25.4				165	112	.8	
.....										
15	18 32 .71		51.18 N 179.57 W							DEPTH = 50.0 KM FIXED DEPTH SOLUTION DELAROF ISLANDS, ALEUTIAN ISLANDS
15	ASD	EPG	18 32 14.6				79	106	-0.2	
		ES	18 32 24.4						-0.7	
15	ASB	EPG	18 32 15.9				85	103	.4	
		ES	18 32 26.5						.2	
15	ASC	EPG	18 32 16.9				93	109	.3	
		ES	18 32 28.2						.0	
15	ANA	EPG	18 32 20.9				133	111	-0.5	
		ES	18 32 36.9						.5	
.....										
15	ANA	EP	19 33 16.1							TELESEISMIC
15	AND	EP	19 33 16.8							
15	ASB	EP	19 33 18.1							
15	ASD	EP	19 33 18.4							
15	ASC	EP	19 33 18.6							
15	ASD	EP	20 13 35.7	2.0	.1					
15	ASB	EP	20 13 38.4							
15	ASC	EP	20 13 38.6							
		IS	20 13 59.0							
.....										
15	20 51 39.94		51.23 N 179.73 E							DEPTH = 25.0 KM FIXED DEPTH SOLUTION RAT ISLANDS, ALEUTIAN ISLANDS
15	ASD	IP D	20 51 46.4	2.4	.1	.52	31	121	-0.2	
		IS	20 51 51.3						-0.1	
15	ASB	EP	20 51 47.2				36	113	-0.0	
15	ASC	EP	20 51 48.8				47	123	.2	
.....										
15	ANA	EP	22 23 58.8							TELESEISM
15	AND	EP	22 24 1.6							
15	ASC	EP	22 24 3.3							
15	ASB	EP	22 24 4.6							
15	ASD	EP	22 24 5.6							

AUG 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST. (KM)	AZI (DEG)	RES (SEC)	REMARKS
16	1 26	11.61	51.20 N	178.78 E	DEPTH = 24.7 KM					FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
16	ASB	IPG	01 26 18.9	2.1	.1	.72	37	241	-.0	
		IS	01 26 24.3						.1	
16	ASC	IPG	01 26 19.5				39	222	.2	
16	AND	IPGD	01 26 19.5				42	196	-.1	
		IS	01 26 25.6						.1	
16	ASD	EPG	01 26 19.9	1.0	.1	.65	43	243	.1	
		I(S)	01 26 25.5						-.3	
16	ANA	IPGC	01 26 20.4				48	170	-.1	
		ES	01 26 27.0						.0	
16	ANA	EPN	02 03 41.7							V. EMERGENT
		IPG	02 03 43.3							
16	AND	EP	02 03 43.7							
16	ANA	EP	02 43 46.9							
		E(S)	02 44 8.9							
16	ADK	EP	02 50 24.3							
		ES	02 50 47.1							
16	ASD	EP	03 19 46.5							VERY EMERGENT
16	ASB	EP	03 19 47.4							
		E(S)	03 20 3.2							
16	ASC	EP	03 19 48.7							
16	ANA	EP	03 19 52.7							
16	3 49	39.70	5.15 S	152.58 E	DEPTH = 68.0 KM	MB = 5.2				TELESEISMIC SOLUTION
			NEW BRITAIN REGION							
16	ADK	IP D	03 59 58.0				6962	215		
16	ADK	EP	06 07 49.3							
		ES	06 08 2.0							
16	ASD	EP	06 08 5.7	1.1	.1					REGIONAL
16	ASB	EP	06 08 7.0							
16	ASC	EP	06 08 7.7							
16	ASD	EP	06 27 32.3	3.1	.1					
		ES	06 27 49.1							
16	ASB	IP D	06 27 32.7	5.8	.1					
		IS	06 27 49.4							
16	ASC	EP	06 27 33.0							
		IS	06 27 49.9							
16	AND	EP	06 27 33.2							
		IS	06 27 49.7							
16	ANA	EP	06 27 33.7							
		IS	06 27 51.4							
16	9 44	4.80	52.98 N	174.63 W	DEPTH = 190.0 KM	MB = 4.3				TELESEISMIC SOLUTION
			ANDREANOF ISLANDS, ALEUTIAN IS.							
16	ADK	IP C	09 44 39.0				180	46	-.1	
		IS	09 45 4.2						.1	
16	ASD	IP C	09 45 6.9				448	64	-.8	WHITE OUT
16	ASB	EP	09 45 7.7				455	64	-.8	
		E	09 45 53.1							
16	ASC	IP D	09 45 8.4				455	66	-.1	
16	AND	IP C	09 45 9.1				465	68	-.4	
16	ANA	EP D	09 45 11.2				481	69	-.2	

AUG 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
16	10 58	51.85	51.52 N 179.10 E	DEPTH = 79.1 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
16	ASC	EP	10 59 3.2				7	323	-.0	
16	ASB	EP	10 59 3.5	1.5	.1		20	329	-.0	
		ES	10 59 12.0						-.0	
16	ASD	EP	10 59 3.6	1.8	.1		23	313	-.0	
16	12 3	9.37	52.14 N 178.65 E	DEPTH = 150.0 KM			FIXED DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
16	ANA	EP	12 03 31.1				57	359	.3	
		E(S)	12 03 46.0						-.4	
16	ASC	EP	12 03 32.3				83	335	.0	
		E(S)	12 03 49.9						.9	
16	ASD	IP D	12 03 32.9	3.4	.1		97	331	-.3	
		ES	12 03 50.6						-.0	
16	ASB	IP D	12 03 33.0	4.5	.1		96	335	-.1	
		I(S)	12 03 50.1						-.3	
16	ANA	IP	12 06 23.0							
		ES	12 06 33.0							
16	ASB	E(P)	12 06 27.1							
		E(S)	12 06 39.8							
16	ASD	EP	12 06 28.3							
		E(S)	12 06 41.3							
16	12 28	40.92	52.06 N 178.69 W	DEPTH = 50.0 KM			FIXED DEPTH SOLUTION			
DELAROF ISLANDS, ALEUTIAN ISLANDS										
16	ASD	EP	12 29 4.3	5.3	.1	3.44	155	60	-.1	
		IS	12 29 21.3						-.2	
16	ASB	EP	12 29 5.3	4.2	.1	3.40	162	61	.1	
		ES	12 29 22.6						-.3	
16	ASC	IP C	12 29 5.4				162	65	.2	
		ES	12 29 23.4						.5	
16	ANA	IP C	12 29 8.2				188	74	-.2	
16	12 44	1.24	51.33 N 179.28 E	DEPTH = 51.8 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
16	ASB	IPG	12 44 9.2	5.6	.1		4	140	-.0	
		IS	12 44 15.0						-.0	
16	ASD	IPG	12 44 9.2	4.3	.1		6	220	-.0	
		ES	12 44 15.1						.0	
16	ASC	IPG	12 44 9.6				17	150	.0	
		ES	12 44 15.6						-.0	
16	14 33	9.46	51.41 N 177.69 E	DEPTH = 150.0 KM			FIXED DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
16	ANA	EP	14 33 31.4				71	251	-.2	QP, VERY NOISY
16	ASC	IP C	14 33 33.7				103	268	.0	
		ES	14 33 52.2						.8	
16	ASB	IP C	14 33 34.4	3.5	.1		108	274	.3	
		ES	14 33 52.3						.2	
16	ASD	IP C	14 33 34.5	5.0	.1		115	273	-.1	
		ES	14 33 51.9						-1.1	

17	ASB	EP	04	50	31.0	77	216	-.1	V. POOR, EMERGENT
17	ASD	EP	04	50	31.8	82	219	.1	
		ES	04	50	42.3			-.0	
17	ASC	EP	04	50	31.9	83	208	.0	

AUG 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
17	5 31	44.94	51.07 N 179.41 E	DEPTH = 27.6 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
17	ASD	EPG	05 31 52.1	1.7	.1	.51	34	172	-.1	
		ES	05 31 57.5						.1	
17	ASB	EPG	05 31 52.2				34	161	.1	
		ES	05 31 57.3						-.1	
17	ASC	EPG	05 31 53.8				47	159	.0	
17	8 22	35.92	50.18 N 177.73 E	DEPTH = 50.0 KM			FIXED DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
17	ASB	EP	08 23 1.2				170	220	.1	
		ES	08 23 19.8						.3	
17	ANA	EP	08 23 1.7				174	202	-.0	
		ES	08 23 20.5						-.0	
17	ASD	EP	08 23 1.8	1.1	.1	2.95	175	221	-.0	
		ES	08 23 20.5						-.2	
17	ASC	EP	08 23 1.8				175	216	-.0	
17	8 33	28.62	51.11 N 179.19 W	DEPTH = 50.0 KM			FIXED DEPTH SOLUTION			
DELAROF ISLANDS, ALEUTIAN ISLANDS										
17	ASD	EP	08 33 45.8	5.9	.2	2.57	106	106	-.3	
		ES	08 33 58.6						-.2	
17	ASB	EP	08 33 46.9	4.3	.1	2.82	112	104	.1	
		ES	08 34 .2						.2	
17	ASC	EP	08 33 48.0				121	108	.2	
		ES	08 34 1.9						.0	
17	10 25	37.66	51.66 N 177.85 E	DEPTH = 75.3 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
17	ANA	IP D	10 25 51.2				56	274	.1	
17	AND	IP D	10 25 52.9				77	279	-.1	
		ES	10 26 4.2						-.1	
17	ASC	EP	10 25 54.9				94	284	.2	
17	ASB	IP	10 25 55.6	6.8	.1		103	290	-.1	
		ES	10 26 8.8						-.0	
17	ASD	IP C	10 25 56.3	5.7	.1		108	288	-.0	
		ES	10 26 10.0						.1	
17	10 25	58.50	53.51 N 166.42 W	DEPTH = 209.0 KM MB = 3.6			TELESEISMIC SOLUTION			
FOX ISLANDS, ALEUTIAN ISLANDS										
17	ADK	EP	10 27 31.6				710	71		
17	ASD	EP	10 28 4.4	18.2	.3		996	71		TELE
		I	10 29 49.6							
17	ASB	EP	10 28 5.3	33.5	.2		1003	71		
17	ASC	EP	10 28 6.1				1005	71		
		E	10 29 51.2							
17	AND	EP	10 28 7.3				1015	72		
17	ANA	EP	10 28 9.6				1032	72		

AUG 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
17	10 29	45.71	51.48 N 179.37 W	DEPTH = 50.0 KM		FIXED DEPTH SOLUTION				
DEAROF ISLANDS, ALEUTIAN ISLANDS										
17	ASD	EPG	10 30 1.0				90	82	-.2	
		ES	10 30 12.4						-.1	
17	ASB	EPG	10 30 2.0				97	81	.0	
		ES	10 30 13.9						.0	
17	ASC	EPG	10 30 2.9				102	88	.3	
17	AND	EPG	10 30 4.2				116	94	-.2	
.....										
17	ASD	IP D	11 19 40.6	1.4	.1					
		E(S)	11 19 54.7							
17	ASB	EP	11 19 41.5							QP
17	ASC	IP D	11 19 42.8							
		E(S)	11 19 57.2							
17	ANA	EP	11 19 49.0							QP
17	ADK	EP	13 54 48.2							
		ES	13 55 15.9							
17	ASD	EP	13 55 21.9	8.7	.4					TELE
17	ASB	EP	13 55 23.0	12.4	.3					
		E	13 56 33.3							
17	ASC	EP	13 55 24.0							
17	AND	EP	13 55 25.4							
17	ANA	EP	13 55 28.5							
17	ADK	EP	14 05 27.9							
		ES	14 05 56.2							
17	ASD	EP	14 06 1.6	4.5	.3					TELE
17	ASB	EP	14 06 2.6	8.3	.3					
17	ASC	EP	14 06 3.6							
17	AND	EP	14 06 5.5							
17	ANA	EP	14 06 8.4							
17	ANA	EP	14 22 1.0							
		ES	14 22 28.5							
17	AND	EP	14 22 2.7							
		ES	14 22 32.5							
17	ASB	IP C	14 22 4.3	1.6	.1					
		IS	14 22 33.8							
17	ASD	IP C	14 22 5.1							
.....										
17	15 20	39.95	51.38 N 178.80 E	DEPTH = 40.3 KM		FREE DEPTH SOLUTION				
RAT ISLANDS, ALEUTIAN ISLANDS										
17	AND	IPGC	15 20 47.3				23	209	-.1	
		ES	15 20 52.7						-.1	
17	ASC	IPGC	15 20 47.9				27	251	.2	
17	ANA	IPGC	15 20 47.9				29	161	.0	
17	ASB	IPGC	15 20 48.1	25.6	.1	1.54	31	275	-.0	
		IS	15 20 54.1						.0	
17	ASD	IPGC	15 20 48.7	26.9	.1	1.87	38	271	-.1	
		IS	15 20 55.3						.1	
.....										
17	15 32	29.20	51.14 N 178.87 E	DEPTH = 34.8 KM		FREE DEPTH SOLUTION				
RAT ISLANDS, ALEUTIAN ISLANDS										
17	ASB	IPGC	15 32 37.1	4.5	.1	1.00	36	227	-.2	
		IS	15 32 43.3						.2	
17	ASD	IPG	15 32 37.9	3.8	.1	1.18	42	231	-.1	
		IS	15 32 44.3						-.1	
17	ASC	IPGC	15 32 38.1				41	210	.2	
17	AND	IPGC	15 32 38.7				47	187	.0	
		ES	15 32 45.4						-.1	

AUG 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
17	ANA	IPGC	15 32 39.8				56	165	-0	
		ES	15 32 47.5						-0	
17	ADK	EP	16 03 42.7							
		ES	16 03 51.1							
17	ANA	EP	17 08 7.0							
		ES	17 08 28.4							
17	AND	EP	17 08 7.9							
17	ASB	EP	17 08 8.7							
		ES	17 08 30.8							
17	ASC	EP	17 08 8.8							
17	ASD	EP	17 08 9.7							
		ES	17 08 32.4							
17	ASD	EP	17 43 23.2							
		ES	17 43 34.9							
17	ASB	EP	17 43 24.4	3.6	.2					
		ES	17 43 36.7							
17	ASC	EP	17 43 25.6							
17	ASD	EP	18 54 38.8							
		E(S)	18 54 48.1							
17	ASC	EP	18 54 40.5							
		E(S)	18 54 51.1							
17	ASB	EP	20 09 58.4	1.5	.1					
17	ANA	EP	20 09 58.4							
17	AND	IP C	20 09 58.6							
		ES	20 10 16.9							
17	ASC	IP C	20 09 58.8							
17	ASD	EP	20 09 58.9	.8	.1					
		ES	20 10 17.2							
17	ASD	IPGD	20 37 21.5	45.5	.1					
		ES	20 37 29.9							
17	ASB	IPGD	20 37 22.0	37.0	.1					
		IS	20 37 30.8							
17	ASC	IPGD	20 37 23.7							
17	ANA	IPG	20 37 29.0							
17	ASD	IPG	20 38 43.9	2.0	.1					
17	ASB	IPG	20 38 44.4	1.6	.1					
		E(S)	20 38 53.5							
17	ASC	EPG	20 38 46.1							
17	AND	EPG	20 38 48.5							
		E(S)	20 39 .7							
17	ANA	EPG	20 38 51.4							
17	20 40 17.59	51.03 N 179.53 E	DEPTH = 0.0 KM							FIXED DEPTH SOLUTION
		RAT ISLANDS, ALEUTIAN ISLANDS								
17	ASD	EP	20 40 25.0				41	161	-0.1	
		ES	20 40 33.4						2.9	
17	ASC	EP	20 40 27.7				55	152	.2	
		ES	20 40 34.8						-0	
17	ANA	EP	20 40 33.6				90	137	-0	
17	21 29 27.91	52.56 N 179.32 W	DEPTH = 200.0 KM							FIXED DEPTH SOLUTION
		DELAROF ISLANDS, ALEUTIAN ISLANDS								
17	ASD	IP	21 30 1.2	10.8	.1		161	34	-0.2	POSS DEEP
		ES	21 30 25.9						-0	
17	AND	EP	21 30 1.6				162	46	.0	
17	ASC	IP	21 30 1.7				160	40	.3	

AUG 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.	17	ASB	ES 21 30 26.2						.3	
.	17	ASB	IP C 21 30 1.8	10.1	.1		166	36	-.1	
.	17	ANA	ES 21 30 26.5						-.2	
.	17	ANA	IP D 21 30 2.4				173	52	-.0	
.			I(S) 21 30 27.5						-.2	
.....										
17	ASD	EP	22 26 43.0	1.5	.1					
		ES	22 26 51.6							
17	ASB	EP	22 26 43.8	1.0	.1					
		ES	22 26 52.5							
17	ASC	EP	22 26 45.4							
17	AND	EP	22 26 47.7							QP
.....										
17	23	2 47.29	51.49 N 179.66 E	DEPTH = 85.2 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
17	ASD	EPG	23 02 59.8				25	62	-.1	
		ES	23 03 8.8						-.2	
17	ASB	EPG	23 03 .2	1.1	.1		32	64	.0	
		ES	23 03 9.6						-.0	
.....										
17	ASC	EPG	23 03 .4				35	86	.1	
		ES	23 03 9.9						.1	
17	ANA	EPG	23 03 2.8				71	102	-.1	QP
.....										
17	23	9 11.03	51.95 N 179.07 E	DEPTH = 158.2 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
17	ANA	EP	23 09 32.9				46	38	-.0	
17	ASC	EP	23 09 33.4				54	353	.1	
17	ASD	IP C	23 09 33.7	2.2	.1		66	344	-.1	
17	ASB	EP	23 09 33.9				66	350	.0	
		ES	23 09 50.5						-.0	
.....										
18	ASD	EP	00 41 55.3							
		ES	00 42 54.2							
18	ASB	EP	00 41 56.4							
		ES	00 42 55.8							
.....										
18	3 40 55.00		51.54 N 179.32 W	DEPTH = 50.0 KM			FIXED DEPTH SOLUTION			
DELAROF ISLANDS, ALEUTIAN ISLANDS										
18	ASD	IP	03 41 11.0	2.2	.1	2.26	95	78	.0	
		ES	03 41 22.8						.1	
18	ASB	EP	03 41 11.8	3.8	.1	2.60	101	78	-.0	
		ES	03 41 23.8						-.3	
18	ASC	EP	03 41 12.5				105	85	.2	
		ES	03 41 25.1						.2	
18	ANA	EP	03 41 16.4				140	93	-.1	
.....										
18	3 41 36.44		50.99 N 177.76 E	DEPTH = 50.0 KM			FIXED DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
18	ANA	IP D	03 41 52.4				95	222	-.1	
		ES	03 42 4.2						.0	
18	ASC	IP C	03 41 54.5				111	242	.0	
18	ASB	EP	03 41 54.9	2.2	.1	2.52	112	249	.4	
		ES	03 42 8.3						.6	
18	ASD	IP C	03 41 55.0	2.9	.1	2.74	118	249	-.4	
		ES	03 42 8.5						-.6	

AUG 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
18	ANA	IP C	04 43 31.0							
18	ASB	EP	04 43 35.7	10.5	.2					
		ES	04 44 4.8							
18	ASC	EP	04 43 35.7							
18	ASD	IP C	04 43 36.2	15.7	.2					
		ES	04 44 6.2							
.....										
18	5 11 53.58	51.27 N 179.59 W DEPTH = 75.0 KM						FIXED DEPTH SOLUTION		
		DELAROF ISLANDS, ALEUTIAN ISLANDS								
18	ASD	IP D	05 12 7.8	46.9	.1		75	99	-.9	
		ES	05 12 19.9						.1	
18	ASB	IP D	05 12 9.0	54.0	.1		82	97	-.4	
		ES	05 12 21.4						.5	
18	ASC	IP D	05 12 9.9				89	104	-.2	
18	AND	IP D	05 12 11.9				106	108	-.1	
		ES	05 12 24.8						-.6	
18	ANA	IP D	05 12 15.2				128	108	.8	
.....										
18	5 14 51.27	50.81 N 178.42 E DEPTH = 25.0 KM						FIXED DEPTH SOLUTION		
		RAT ISLANDS, ALEUTIAN ISLANDS								
18	ASB	IP	05 15 5.4	5.1	.1	2.44	84	224	-.1	
		IS	05 15 15.6						-.2	
18	ASC	IP	05 15 6.2				90	216	-.0	
18	AND	EP	05 15 6.4				92	204	-.2	
18	ASD	IP	05 15 6.5	3.2	.1	2.34	90	226	.2	
		IS	05 15 17.4						.1	
18	ANA	IP	05 15 6.7				93	191	.0	
		ES	05 15 18.0						.1	
.....										
18	ASB	EP	16 35 55.5							SMALL LOCAL
		IS	16 36 .4							
18	ANA	IP D	17 02 16.3							
18	ASB	EP	17 02 17.1							TELE
18	ASC	IP D	17 02 17.9							
18	AND	EP	17 56 57.0							
18	ASD	EP	17 56 57.4							TELE
18	ASC	EP	17 56 57.5							
18	ASB	EP	17 56 58.1							
18	ANA	EP	17 56 59.4							
19	ASD	IP D	02 32 54.9							EXTRA PHASE
		I	02 32 55.6	2.1	.1					
		ILG	02 33 19.7							
19	ANA	EP	02 32 55.6							QP,V.NOISY
19	ASB	IP D	02 32 55.8	4.7	.1					
		IS	02 33 20.4							
.....										
19	4 51 56.50	50.31 N 179.72 E DEPTH = 33.0 KM MB = 4.1						TELESEISMIC SOLUTION		
		RAT ISLANDS, ALEUTIAN ISLANDS								
19	ASB	IP D	04 52 15.7	36.7	.1	3.88	122	164	-.8	POSS.T PHASE
		IS	04 52 31.8						.7	
19	ASD	IP D	04 52 15.9	50.3	.1	4.02	122	167	-.6	EXTRA PHASE
		I	04 52 27.7							
19	ASC	EP	04 52 17.2				134	163	-.9	
19	AND	EP	04 52 18.7				150	159	-1.3	QP,V.NOISY
.....										
19	ASD	IP D	06 11 14.5	10.5	.1					
19	ASB	IP D	06 11 15.1	4.6	.1					

AUG 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
		IS	06 11 27.2							
19	ASC	IP	06 11 15.4							
19	AND	EP	06 11 16.7							QP,V.NOISY
19	ANA	EP	06 11 17.9							QP,V.NOISY

.....									
19	6 41	52.32	51.53 N	179.69 W	DEPTH = 75.0 KM			FIXED DEPTH SOLUTION	
DEAROF ISLANDS, ALEUTIAN ISLANDS									
19	ASD	EP	06 42 6.7				69	76	-.2
19	ASC	EP	06 42 8.4				80	84	.5
19	AND	EP	06 42 9.2				94	92	-.2
19	ASB	EP	06 42 7.6				76	76	.0
		ES	06 42 18.7						-.0

.....									
19	7 20	45.65	51.65 N	179.29 E	DEPTH = 70.5 KM			FREE DEPTH SOLUTION	
RAT ISLANDS, ALEUTIAN ISLANDS									
19	ASC	IPG	07 20 56.4				23	23	.0
19	ASD	IPGC	07 20 56.8	15.5	.1		31	353	.0
19	ASB	IPGC	07 20 56.9	21.2	.1		32	5	.0
		IS	07 21 5.1						.0

19	ASD	EP	07 48 40.5	9.9	.1					OOD,POSS.REG
19	ASD	EP	16 05 16.0	8.3	.1					
19	ASB	EP	16 05 17.1	17.4	.1					
		ES	16 05 31.2							
19	ASC	EP	16 05 18.6							
19	ASB	IP	22 25 52.8	28.5	.2					
		E(S)	22 26 45.9							
19	ASC	IP	22 25 53.4							
19	AND	EP	22 25 54.5							
19	ANA	EP	22 25 56.3							

.....									
19	23 2	35.31	51.43 N	179.23 W	DEPTH = 100.0 KM			FIXED DEPTH SOLUTION	
DEAROF ISLANDS, ALEUTIAN ISLANDS									
19	ASD	IP D	23 02 54.6	6.4	.1		99	86	-.1
		IS	23 03 8.8						-.1
19	ASB	IP D	23 02 55.4	12.3	.1		106	85	.0
		IS	23 03 10.1						.1
19	ASC	EP	23 02 56.0				111	91	.1
19	AND	EP	23 02 57.3				127	96	-.1
19	ANA	IP	23 02 59.8				148	98	.1
		IS	23 03 17.4						-.0

20	ASD	IP C	01 56 29.8	2.1	.1					
		IS	01 56 37.1							
20	ASB	EP	01 56 30.8	2.5	.1					QF
20	ASC	EP	01 56 31.8							
20	AND	EP	01 56 35.0							
20	ANA	EP	01 56 35.5							
20	ASD	IPGD	02 55 56.9	46.2	.1					
20	ASB	IPGD	02 55 57.5	18.9	.1					
		IS	02 56 5.5							
20	ASC	IPGD	02 55 59.1							
20	AND	EPG	02 56 1.4							
20	ANA	IPGC	02 56 4.1							
		IS	02 56 16.4							
20	ASD	IPGD	03 15 26.5	3.8	.1					

AUG 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
		IS	03 15 31.4							
20	ASB	EPG	03 15 27.4							
20	ASC	IPGD	03 15 29.0							
20	AND	IPGD	03 15 33.0							
20	ANA	IPGD	03 15 34.7							
20	4 45 24.15		51.21 N 179.82 W				94.5 KM			FREE DEPTH SOLUTION
			DELAROF ISLANDS, ALEUTIAN ISLANDS							
20	ASD	EP	04 45 39.8	1.3	.1		61	107	-.0	
		ES	04 45 51.3						.0	
20	ASB	EP	04 45 40.3	2.2	.1		67	104	.0	
		ES	04 45 52.0						-.0	
20	ASC	EP	04 45 41.0				76	111	.0	
20	6 9 59.73		51.82 N 179.06 E				75.6 KM			FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
20	ASC	EP	06 10 11.5				40	350	-.5	
20	AND	IP D	06 10 11.6				29	15	.2	
		IS	06 10 19.8						-.1	
20	ANA	IP D	06 10 11.7				35	53	.0	
20	ASB	EP	06 10 12.9	1.3	.1		52	346	.0	
		ES	06 10 22.4						-.1	
20	ASD	IP P	06 10 13.1	2.8	.1		53	339	.2	
		ES	06 10 22.7						.2	
20	ANA	IPND	08 52 34.1							
		IPG	08 52 35.3							
20	AND	IPND	08 52 36.8							
		IPG	08 52 37.8							
20	ASC	EP	08 52 39.7							
20	ASD	EPN	08 52 41.1							
		IPG	08 52 42.4	67.1	.2					
20	10 8 25.58		51.56 N 179.79 E				69.4 KM			FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
20	ASD	IPGD	10 08 37.0	14.4	.1		37	57	-.0	
		IS	10 08 45.4						.0	
20	ASB	IPGD	10 08 37.5	14.1	.1		44	59	-.0	
		IS	10 08 46.2						-.0	
20	ASC	IPGC	10 08 37.7				45	76	.1	
20	AND	EPG	10 08 38.6				58	90	-.1	
20	ANA	IPGD	10 08 40.7				79	95	.0	
20	11 31 26.77		51.58 N 179.57 E				85.0 KM			FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
20	ASD	IPGD	11 31 39.4				27	35	-.0	WHITED OUT
20	ASC	IPG	11 31 39.7				31	65	.1	
20	ASB	IPGD	11 31 39.8	357.1	.1		33	43	.1	
		ES	11 31 48.9						-.2	
20	AND	IPGC	11 31 40.0				43	87	-.2	
20	ANA	IPGC	11 31 41.8				63	95	.1	
20	ADK	IP	11 32 4.4				268	264	-.2	
		ES	11 32 32.4						.2	
20	ASD	EP	12 59 19.9	7.6	.2					POSS REGIONAL
20	ASB	EP	12 59 20.6	17.4	.2					NO S VISIBLE
20	ASC	EP	12 59 21.4							

AUG 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
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20	AND	EP	12 59 22.5							
20	ANA	EP	12 59 25.3							

QP

20	13 41 12.00	51.59 N 179.76 E	DEPTH = 50.0 KM	FIXED DEPTH SOLUTION						
RAT ISLANDS, ALEUTIAN ISLANDS										
20	ASD	IPGD	13 41 21.2	5.0	.1	1.12	37	51	-.4	
		IS	13 41 28.1						-.5	
20	ASC	EPG	13 41 22.1				44	71	-.1	
20	ASB	EPG	13 41 22.6				44	54	.4	
		IS	13 41 30.1						.5	
20	ANA	IPGC	13 41 25.9				76	93	.1	
		IS	13 41 35.6						-.2	

20	14 2 54.33	51.50 N 177.73 E	DEPTH = 50.0 KM	FIXED DEPTH SOLUTION						
RAT ISLANDS, ALEUTIAN ISLANDS										
20	ASC	EP	14 03 11.2				100	273	.2	
20	ASB	EP	14 03 11.7	2.2	.1	2.45	107	279	-.1	
		ES	14 03 24.7						.2	
20	ASD	EP	14 03 12.5	3.2	.1	2.70	113	277	-.1	
		IS	14 03 25.7						-.2	
20	ANA	IPGD	14 03 6.9				66	258	-.1	

20	18 34 49.92	52.09 N 179.63 E	DEPTH = 169.0 KM	FREE DEPTH SOLUTION						
RAT ISLANDS, ALEUTIAN ISLANDS										
20	AND	EP	18 35 14.4				75	38	-.0	
20	ASC	IP D	18 35 14.6				77	25	.1	
20	ASD	IP C	18 35 14.7	42.4	.1		82	14	-.1	
		IS	18 35 32.9						-.0	
20	ANA	IP C	18 35 14.9				84	52	-.0	
20	ASB	IP D	18 35 15.0	41.7	.1		85	18	.0	
		IS	18 35 33.3						.0	

20	AND	EPG	20 31 .2							QP
20	ASD	IPGC	20 31 7.8	74.3	.1					
20	ASC	IPGC	20 31 9.0							
20	ANA	IPGC	20 31 12.8							
20	ASB	IPGC	20 31 8.3	33.1	.1					
		ES	20 31 15.4							

20	21 39 3.18	51.59 N 179.24 E	DEPTH = 124.9 KM	FREE DEPTH SOLUTION						
RAT ISLANDS, ALEUTIAN ISLANDS										
20	ASD	EP	21 39 20.2	1.4	.1		25	343	-.3	
20	ASC	EP	21 39 20.5				15	20	.2	
20	ASB	EP	21 39 20.6				26	359	.1	
		ES	21 39 33.1						-.0	
20	ANA	EP	21 39 20.9				40	96	-.1	

20	ASD	EP	21 53 21.9	1.5	.1					POOR
20	ASB	EP	21 53 22.6							
20	ASC	EP	21 53 24.2							
		I(S)	21 53 38.7							

AUG 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
20	22 17	23.89	51.26 N 179.16 W	DEPTH = 0.0 KM			FIXED DEPTH SOLUTION			
DEAROF ISLANDS, ALEUTIAN ISLANDS										
20	ASD	IP D	22 17 42.0	4.1	.1	2.69	105	97	-.2	
		ES	22 17 55.4						-.2	
20	ASB	EP	22 17 43.3	4.1	.1	2.79	111	95	.1	
		ES	22 17 57.4						.2	
20	ASC	EP	22 17 44.3				119	100	.0	
20	AND	EP	22 17 47.2				135	104	.4	QP, NOISY
20	ANA	EP	22 17 49.7				157	104	-.3	
.....										
.....										
20	23 18	29.58	51.59 N 179.58 E	DEPTH = 82.4 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
20	ASD	EPG	23 18 41.8	1.1	.1		29	35	-.2	
		ES	23 18 50.9						-.1	
20	ASB	EPG	23 18 42.3	1.3	.1		35	42	.0	
		ES	23 18 51.6						.1	
20	ASC	EPG	23 18 42.4				32	63	.3	
20	ANA	EPG	23 18 44.2				64	93	-.1	
.....										
.....										
21	1 8	57.70	50.95 N 178.40 E	DEPTH = 34.6 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
21	ASB	EPG	01 09 10.9				74	233	.1	
		ES	01 09 20.2						-.2	
21	AND	IPGC	01 09 11.2				78	210	-.1	
		ES	01 09 21.3						.0	
21	ANA	IPGC	01 09 11.3				77	194	.1	
21	ASD	EPG	01 09 11.7				81	235	-.0	
		ES	01 09 22.1						.2	
.....										
.....										
21	2 30	46.47	51.95 N 179.37 W	DEPTH = 50.0 KM			FIXED DEPTH SOLUTION			
DEAROF ISLANDS, ALEUTIAN ISLANDS										
21	ASD	EPG	02 31 4.1				109	54	-.2	
		IS	02 31 17.2						-.0	
21	ASB	EPG	02 31 5.1				116	55	.1	
21	ASC	EPG	02 31 5.1				114	61	.2	
21	AND	EPG	02 31 5.9				123	69	-.1	
		ES	02 31 20.2						.0	
21	ANA	IPGC	02 31 8.0				140	75	-.0	
.....										
.....										
21	3 41	32.87	52.29 N 178.54 E	DEPTH = 125.0 KM			FIXED DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
21	ANA	IP	03 41 52.3				74	354	-.2	
		IS	03 42 6.9						-.0	
21	AND	IP	03 41 53.2				86	341	-.2	
21	ASC	IP	03 41 54.8				101	335	.2	
21	ASB	EP	03 41 55.6	2.6	.1		114	335	-.1	
21	ASD	IP D	03 41 55.7	4.2	.1		115	332	-.1	
		ES	03 42 12.3						-.3	
.....										
21	ASD	EPN	04 59 9.0							SMALL VERY
		ES	04 59 47.3							
21	ASB	EPN	04 59 10.1							EMERGENT.
		ES	04 59 50.0							
21	ASC	EPN	04 59 10.7							

AUG 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
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21	ANA	ES	04 59 51.4							
		EPN	04 59 13.7							

21	5 17 13.68	51.05 N 179.05 E DEPTH = 30.2 KM				FREE DEPTH SOLUTION				
RAT ISLANDS, ALEUTIAN ISLANDS										
21	ASB	IPGD	05 17 21.5	4.8	.1	1.10	37	201	-.0	
		ES	05 17 27.3						.1	
21	ASD	IPGD	05 17 22.1				42	209	.0	
		IS	05 17 27.9						-.3	
21	ASC	IPGC	05 17 22.9				47	189	.2	
		IS	05 17 29.5						.2	
21	AND	IPGC	05 17 24.2				58	173	-.0	
21	ANA	IPGC	05 17 25.9				70	157	-.1	

21	5 25 13.85	52.30 N 178.37 E DEPTH = 136.2 KM				FREE DEPTH SOLUTION				
RAT ISLANDS, ALEUTIAN ISLANDS										
21	ANA	IP	05 25 35.1				77	345	.2	
		ES	05 25 50.3						.0	
21	AND	EP	05 25 35.9				91	334	.0	
		ES	05 25 51.3						-.6	
21	ASC	IP	05 25 37.4				108	330	.2	
		ES	05 25 54.6						.4	
21	ASB	IP	05 25 38.1	4.0	.1		121	330	-.1	
		ES	05 25 55.9						-.1	
21	ASD	IP	05 25 38.1	2.5	.1		122	327	-.3	
		ES	05 25 56.7						.4	

21	6 33 52.62	51.93 N 178.93 E DEPTH = 130.4 KM				FREE DEPTH SOLUTION				
RAT ISLANDS, ALEUTIAN ISLANDS										
21	ANA	IPGC	06 34 10.9				38	29	-.1	
		ES	06 34 24.6						.2	
21	AND	IPGC	06 34 10.9				41	358	-.2	
		ES	06 34 24.6						.0	
21	ASC	EPG	06 34 11.8				54	343	.1	
21	ASB	IPGC	06 34 12.5	1.8	.1		67	341	.1	
		ES	06 34 26.6						-.2	
21	ASD	IPGC	06 34 12.5	1.5	.1		67	336	.1	

21	7 9 52.64	51.42 N 179.91 E DEPTH = 185.7 KM				FREE DEPTH SOLUTION				
RAT ISLANDS, ALEUTIAN ISLANDS										
21	ASD	EP	07 10 17.5	1.3	.1		40	83	-.2	
		IS	07 10 35.3						-.6	
21	ASB	EP	07 10 18.0	1.3	.1		47	81	.1	
		ES	07 10 36.6						.3	
21	ASC	EP	07 10 18.2				52	95	.2	
		ES	07 10 36.6						.0	
21	AND	EP	07 10 18.6				68	103	-.1	
		ES	07 10 38.3						.6	
21	ANA	EP	07 10 19.7				90	104	-.1	
		ES	07 10 39.2						-.4	

AUG 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
21	7 56	3.53	50.46 N 178.15 E	DEPTH = 50.0 KM			FIXED DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
21	ASB	EPG	07 56 23.5				127	218	.0	SMALL AMF.
21	ASD	EPG	07 56 24.1				132	220	-.0	
21	ASC	EPG	07 56 24.2				133	213	.0	
21	ANA	EPG	07 56 24.5				135	195	.0	
		IS	07 56 39.8						.0	
.....										
21	10 40	4.82	51.19 N 178.72 E	DEPTH = 25.0 KM			FIXED DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
21	ASB	EP	10 40 12.7				41	242	-.1	SMALL
		ES	10 40 18.5						-.1	
21	ASC	EP	10 40 13.2				43	225	.1	
21	ANA	IP	10 40 13.8				49	175	-.0	
.....										
21	ASD	IPG	11 42 35.6	28.8	.2		UNCERTAIN S.			
		IS	11 42 48.4							
21	ASB	EPG	11 42 36.3	38.6	.2					
		E(S)	11 42 49.0							
21	ASC	EPG	11 42 38.0							
21	AND	IPG	11 42 40.6							
21	ANA	IPG	11 42 43.4							
.....										
21	13 42	59.94	51.58 N 179.83 E	DEPTH = 25.0 KM			FIXED DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
21	ASD	EPG	13 43 7.7	2.0	.1	.84	41	56	-.1	
21	ASC	EPG	13 43 8.7				48	74	-.1	
21	ASB	IPG	13 43 8.8	1.8	.1	1.05	47	58	.1	
21	ANA	EPGD	13 43 13.6				81	93	.0	
		ES	13 43 23.5						-.0	
.....										
21	13 48	41.95	50.94 N 178.13 E	DEPTH = 25.0 KM			FIXED DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
21	ANA	IPG	13 48 56.2				85	206	-.0	
21	ASB	EPG	13 48 57.1	6.9	.2	2.39	91	240	-.1	
21	ASC	EPG	13 48 57.5				93	232	.1	
21	ASD	EPG	13 48 58.1				98	241	-.0	
		IS	13 49 9.9						-.0	
.....										
21	ASD	EPN	13 52 36.9							
		ES	13 52 54.2							
21	ASB	EPN	13 52 36.9							ASC
		IS	13 52 54.6							
21	ASC	EPN	13 52 38.6							P UNCERTAIN
.....										
21	15 32	52.24	51.05 N 179.61 E	DEPTH = 28.9 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
21	ASD	IPG	15 33 .4	6.6	.1	1.40	41	152	-.0	LOCAL
		IS	15 33 6.6						.2	
21	ASB	IPG	15 33 .8	4.4	.1	1.30	43	143	.1	
		ES	15 33 6.7						-.2	
21	ASC	EPG	15 33 2.3				56	146	-.1	
21	ANA	E(P)	15 33 7.8				92	134	.1	
.....										

AUG 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
21	ASB	IPN	16 20 33.6	2.5	.1					
		IS	16 20 49.8							
21	ASD	EPN	16 20 34.1	1.5	.1					
		ES	16 20 50.5							
21	ANA	IPN	16 20 37.7							
		ES	16 20 56.9							
21	ADK	IP D	16 34 13.8							
		IS	16 34 21.7							
21	ASD	EPN	16 34 58.6	1.7	.1					
		ES	16 35 36.0							
21	ASB	EPN	16 34 59.6	2.2	.1					
21	ASC	EPN	16 35 .2							
21	ANA	EPN	16 35 4.0							

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21	18 30 28.33	51.37 N 178.56 E	DEPTH = 57.0 KM	FREE DEPTH SOLUTION
RAT ISLANDS, ALEUTIAN ISLANDS				
21	ANA	IPG	18 30 37.9	29 194 -.1
		IS	18 30 45.0	.0
21	ASC	IPG	18 30 39.2	43 257 .1
21	ASB	IPG	18 30 39.4	48 272 -.1
		ES	18 30 47.7	.1
21	ASD	IPG	18 30 40.1	54 270 .0
		IS	18 30 48.5	-.2

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21	19 35 56.41	51.81 N 179.71 W	DEPTH = 121.2 KM	FREE DEPTH SOLUTION
DELAROF ISLANDS, ALEUTIAN ISLANDS				
21	ASD	IPG	19 36 16.1	82 53 -.1
		IS	19 36 30.4	-.3
21	ASB	EPG	19 36 16.8	88 55 .1
		ES	19 36 31.6	.1
21	ASC	IPG	19 36 16.8	87 63 .2
		ES	19 36 31.6	.2
21	ANA	EPG	19 36 18.8	114 79 -.1

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21	ADK	IP D	20 02 25.5		
		IS	20 02 44.6		
21	ASD	EPN	20 02 50.9	14.4	.2
		ES	20 03 29.5		
21	ASB	IPN	20 02 52.0	19.0	.2
		ES	20 03 30.3		
21	ASC	EPN	20 02 52.6		
		IS	20 03 31.7		
21	AND	EPN	20 02 53.2		
21	ANA	IPN	20 02 55.4		
		E(S)	20 03 36.7		

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21	20 27 47.93	51.46 N 178.63 E	DEPTH = 0.0 KM	FIXED DEPTH SOLUTION
RAT ISLANDS, ALEUTIAN ISLANDS				
21	ANA	IPG	20 27 51.3	19 186 -.0
		I(S)	20 27 53.8	-.0
21	ASC	EPG	20 27 54.6	37 270 -.0
		ES	20 28 .1	.6
21	ASB	EPG	20 27 56.3	44 285 .4
21	ASD	EPG	20 27 56.8	50 281 -.2
		ES	20 28 2.9	-.7

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AUG 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG (KM)	AZI (DEG)	RES (SEC)	REMARKS
21	20 41 49.93		51.39 N 179.19 E			DEPTH = 19.1 KM			FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS						
21	ASB	EPG	20 41 53.3	1.6	.1		5 306	-.0	
		ES	20 41 55.8					.0	
21	ASC	IPG	20 41 53.5				8 170	.0	
21	ASD	IPG	20 41 53.7	1.3	.1	-1.46	11 277	.0	
		IS	20 41 56.4					-.0	
21	20 48 41.42		51.10 N 179.48 E			DEPTH = 29.9 KM			FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS						
21	ASD	IPG	20 48 48.6	4.5	.1	.83	32 163	.0	
		ES	20 48 53.8					-.0	
21	ASB	EPG	20 48 48.7	2.1	.1	.55	33 151	.0	
		ES	20 48 54.0					.0	
21	ASC	IPG	20 48 50.3				46 151	-.0	
		ES	20 48 56.8					.0	
21	ASD	EPN	21 12 1.7	2.2	.2				
		ES	21 12 30.8						
21	ASB	EPN	21 12 2.0	2.7	.2				
		ES	21 12 32.6						
21	ASC	EPN	21 12 3.6						
		ES	21 12 34.4						
21	ANA	EPN	21 12 8.7						
21	ASD	EPN	22 49 13.1	6.9	.1				
		ES	22 49 38.1						
21	ASB	EPN	22 49 14.0	6.7	.1				
21	ASC	EPN	22 49 14.1						
		ES	22 49 40.1						
21	AND	EPN	22 49 14.6						
21	ANA	EPN	22 49 16.3						
		ES	22 49 44.7						
21	22 51 11.56		52.61 N 179.84 E			DEPTH = 125.0 KM			FIXED DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS						
21	AND	EP	22 51 36.2				131 27	.2	
21	ANA	IP	22 51 36.3				136 36	-.1	
		ES	22 51 54.4					-.2	
21	ASC	EP	22 51 36.3				136 20	-.1	
		ES	22 51 55.2					.7	
21	ASD	IP	22 51 36.7	2.7	.1		141 14	-.2	
		ES	22 51 55.5					.0	
21	ASB	IP	22 51 37.5	2.0	.1		145 16	.2	
		ES	22 51 55.5					-.6	
21	23 36 9.92		51.70 N 179.58 E			DEPTH = 77.9 KM			FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS						
21	ASD	IPG	23 36 22.3	21.6	.1		40 25	-.1	
		IS	23 36 31.6					.1	
21	ASC	IPG	23 36 22.5				39 48	.1	
21	ASB	IPG	23 36 22.8	79.2	.1		44 32	.1	
		IS	23 36 32.0					-.1	
21	AND	IPG	23 36 22.8				46 70	-.1	
		IS	23 36 32.3					.0	
21	ANA	IPG	23 36 24.3						

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AUG 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
22	0 39 51.99		51.70 N 178.76 E				80.4 KM			FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
22	ANA	IP C	00 40 3.5				10	40	-.0	
		ES	00 40 12.0						.0	
22	AND	IP C	00 40 3.8				20	317	.0	
		ES	00 40 12.3						-.1	
22	ASC	IP C	00 40 4.9				38	313	.2	
22	ASB	IP	00 40 5.4	4.8	.1		50	318	-.1	
		IS	00 40 15.4						.1	
22	ASD	IP C	00 40 5.6	3.1	.1		54	311	-.1	
		ES	00 40 15.7						-.1	
22	2 54 5.43		51.15 N 178.61 E				36.9 KM			FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
22	ASB	IPG	02 54 15.6	1.3	.1	1.02	51	242	.1	
		ES	02 54 22.7						-.1	
22	AND	IP	02 54 15.6				52	208	-.1	
22	ANA	IP	02 54 15.8				53	184	-.1	
22	ASC	IPG	02 54 15.9				52	228	.2	
		ES	02 54 23.4						.2	
22	ASD	IPG	02 54 16.2	.8	.1	1.03	57	244	-.1	
		ES	02 54 24.1						-.2	
22	3 44 10.63		52.02 N 178.45 E				146.7 KM			FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
22	ANA	IP	03 44 31.0				46	342	-.2	
		IS	03 44 46.5						.3	
22	AND	IP	03 44 31.8				61	326	-.1	
		ES	03 44 47.0						-.4	
22	ASC	EP	03 44 33.1				79	322	.2	
		ES	03 44 49.9						.8	
22	ASB	IP	03 44 33.8	3.4	.1		91	323	.1	
		ES	03 44 50.4						-.2	
22	ASD	IP	03 44 33.9	2.5	.1		94	320	.0	
		ES	03 44 50.4						-.5	
22	ASD	EPG	04 27 13.8							SMALL LOCAL
		ES	04 27 19.9							
22	ASC	EPG	04 27 14.1							
		ES	04 27 20.2							
22	5 16 38.05		51.31 N 179.72 E				25.0 KM			FIXED DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
22	ASD	EPG	05 16 44.0				28	105	-.2	SMALL LOCAL
		ES	05 16 47.9						-.8	
22	ASB	EPG	05 16 45.1				34	99	.1	
		ES	05 16 50.4						.4	
22	ASC	EPG	05 16 46.3				42	113	.2	
		ES	05 16 52.2						.2	
22	AND	EPG	05 16 48.7				60	117	.0	QP

AUG 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
22	7 20 17.93		51.27 N 177.60 E	DEPTH = 25.0 KM			FIXED DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
22	ANA	IP	07 20 32.0				83	242	.1	
		ES	07 20 41.9						-.2	
22	AND	IP	07 20 34.1				99	252	-.2	
22	ASC	IP	07 20 36.2				110	260	.2	
		IS	07 20 49.9						.7	
22	ASB	IP	07 20 36.6	4.1	.1	2.83	115	266	-.0	
		ES	07 20 49.9						-.4	
22	ASD	IP	07 20 37.6	6.3	.1	3.11	121	265	-.0	
		ES	07 20 51.8						-.2	
.....										
22	ASD	EP	08 33 59.2							V.SM., EMERGENT
		ES	08 34 13.5							
22	ASC	EP	08 33 59.3							
		ES	08 34 13.6							
22	ASB	EP	08 33 59.4							
.....										
22	9 58 56.49		51.31 N 179.70 E	DEPTH = 25.0 KM			FIXED DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
22	ASD	IPGD	09 59 2.3	.8	.1	-.22	26	106	-.2	SMALL LOCAL
		ES	09 59 6.4						-.5	
22	ASB	IPGD	09 59 3.4	2.7	.1	.61	32	99	.2	
		IS	09 59 8.3						.2	
22	ASC	IPGD	09 59 4.5				41	114	.1	
		ES	09 59 10.3						.1	
.....										
22	ASD	EP	10 09 28.8							V. EMERGENT
		ES	10 09 47.1							
22	ASD	EP	11 14 10.2							V. EMERGENT
		E(S)	11 14 38.9							
22	ASC	EP	11 14 12.1							
		E(S)	11 14 42.9							
.....										
22	11 16 43.16		51.27 N 179.44 W	DEPTH = 147.9 KM			FREE DEPTH SOLUTION			
DELAROF ISLANDS, ALEUTIAN ISLANDS										
22	ASD	EP	11 17 6.0				85	97	.0	V. EMERGENT
		ES	11 17 22.6						-.0	
22	ASB	EP	11 17 6.4				92	96	-.0	
22	ASC	EP	11 17 6.9				99	102	-.0	
		E(S)	11 17 24.3						.0	
.....										
22	ASC	EP	11 29 51.3							
22	ASB	EP	11 29 52.2	3.9	.2					
22	ASD	EP	11 29 53.1	7.3	.2					REGIONAL
22	ASD	EP	12 09 23.0	5.3	.1					
		ES	12 09 41.4							
22	ASB	IP D	12 09 23.6	6.2	.1					
		IS	12 09 42.2							
22	ASC	IP D	12 09 24.2							
22	ANA	EP	12 09 28.0							
		E(S)	12 09 49.2							

AUG 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
22	13 47 58.31		51.47 N 179.73 W			DEPTH = 50.0 KM				FIXED DEPTH SOLUTION
			DELAROF ISLANDS, ALEUTIAN ISLANDS							
22	ASD	EP	13 48 10.8	.8	.1	1.25	66	81	-.1	
		E(S)	13 48 20.0						-.0	
22	ASB	EP	13 48 11.7				72	80	.1	
22	ASC	EP	13 48 12.2				77	89	.0	
22	14 42 27.07		51.58 N 177.31 E			DEPTH = 125.0 KM				FIXED DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
22	ANA	IP D	14 42 48.2				94	267	.0	
		E(S)	14 43 3.9						.3	
22	AND	EP	14 42 49.6				114	272	-.3	QP, NOISY
22	ASC	IP C	14 42 51.5				129	276	.2	
		ES	14 43 8.8						-.2	
22	ASB	IP D	14 42 52.2	3.1	.1		137	281	.2	
		ES	14 43 10.2						-.0	
22	ASD	IP D	14 42 52.5	2.9	.1		143	280	-.1	
22	ANA	EP	14 55 38.5							
22	AND	IP D	14 55 40.3							
22	ASC	EP	14 55 42.1							
22	ASB	IP D	14 55 42.8	23.3	.3					
		IS	14 56 10.4							
22	ASD	IP D	14 55 43.4	56.1	.3					
		IS	14 56 11.5							
22	15 26 25.51		51.43 N 179.22 E			DEPTH = 81.1 KM				FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
22	ASB	IPGD	15 26 37.1	4.2	.1		8	344	-.0	
		IS	15 26 45.5						-.1	
22	ASD	IPGD	15 26 37.1	5.0	.1		10	303	-.0	
		ES	15 26 45.7						.1	
22	ASC	IPGD	15 26 37.2				5	138	.1	
22	AND	IPG	15 26 37.4				24	129	-.1	
22	ANA	IPGD	15 26 38.7				45	120	.1	
22	ASD	EP	16 21 25.0	7.3	.1					
		I(S)	16 21 47.9							
22	ASB	EP	16 21 25.8	5.1	.1					
		IS	16 21 48.7							
22	ASC	EP	16 21 25.8							
22	AND	EP	16 21 26.3							QP, NOISY
22	ANA	IP C	16 21 28.1							
		I(S)	16 21 54.7							
22	16 39 17.01		51.23 N 178.78 E			DEPTH = 25.0 KM				FIXED DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
22	ASB	EPG	16 39 24.1	1.2	.1	.42	36	246	-.1	SMALL LOCAL
		ES	16 39 29.4						-.0	
22	ASC	EPG	16 39 24.4				37	226	.0	
		ES	16 39 29.8						.0	
22	ASD	EPG	16 39 25.2				42	248	.1	QP, V. EMERGENT

AUG 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
22	18	5	54.92	51.37 N	179.05 W	DEPTH = 0.0 KM				FIXED DEPTH SOLUTION
				DELAROF ISLANDS, ALEUTIAN ISLANDS						
22	ASD	IP D	18 06 14.2	2.9	.1	2.65	112	90	-.1	
22	ASB	IP D	18 06 15.2	2.7	.1	2.70	118	89	-.1	
		ES	18 06 29.8						-.3	
22	ASC	IP D	18 06 16.4				124	94	.2	
		IS	18 06 31.8						.1	
22	ANA	EP	18 06 21.5				161	99	-.2	
23	ADK	EP	02 16 16.3							
		ES	02 16 35.4							
23	2	28	15.05	51.09 N	179.50 W	DEPTH = 50.0 KM				FIXED DEPTH SOLUTION
				DELAROF ISLANDS, ALEUTIAN ISLANDS						
23	ASD	IP D	02 28 29.6	32.9	.1	3.29	87	111	-.5	
		IS	02 28 40.9						-.2	
23	ASB	IP D	02 28 30.8	25.9	.1	3.29	92	108	.0	
		IS	02 28 42.7						.4	
23	ASC	IP	02 28 32.0				102	113	.1	
23	AND	EP	02 28 34.3				120	115	.2	
		ES	02 28 47.8						-.2	
23	ANA	IP C	02 28 37.0				141	114	.3	
23	3	23	59.52	51.69 N	179.92 E	DEPTH = 25.0 KM				FIXED DEPTH SOLUTION
				RAT ISLANDS, ALEUTIAN ISLANDS						
23	ASD	IPGD	03 24 9.0	2.7	.1	1.42	53	48	-.2	SMALL LOCAL
23	ASC	EPG	03 24 9.9				58	64	.0	QP
23	ASB	IPG	03 24 10.2	1.6	.1	1.37	60	51	.2	
		IS	03 24 17.7						-.0	
23	ANA	EPG	03 24 14.1				87	85	-.0	QP
23	ASB	IP D	03 59 5.7	2.0	.1					QS
		ES	03 59 23.4							
23	ASD	IP D	03 59 6.0	1.3	.1					
23	ASC	IP	03 59 7.4							
23	4	58	31.50	17.79 S	178.78 W	DEPTH = 560.0 KM MB = 5.0				TELESEISMIC SOLUTION
				FIJI ISLANDS REGION						
23	ADK	IP	05 08 43.8				7717	182		
23	ASB	IP D	05 08 44.9	21.6	.4		7658	178		
23	ASD	IP D	05 08 45.1	25.1	.4		7660	178		TELE
23	ASC	IP D	05 08 45.9				7670	178		
23	AND	EP	05 08 46.3				7681	178		
23	ANA	IP	05 08 46.9				7689	177		
23	5	58	34.34	51.20 N	178.34 E	DEPTH = 0.0 KM				FIXED DEPTH SOLUTION
				RAT ISLANDS, ALEUTIAN ISLANDS						
23	ANA	IPGD	05 58 43.7				53	205	-.2	
23	AND	EPG	05 58 45.4				59	227	.4	P,V.NOISY
23	ASC	IPG	05 58 46.0				64	243	-.0	
		IS	05 58 54.4						-.2	
23	ASB	IPGC	05 58 46.5	2.1	.1	1.64	66	254	.2	
		IS	05 58 55.5						.6	
23	ASD	IPGC	05 58 47.1	1.7	.1	1.70	72	254	-.4	
		IS	05 58 56.6						-.5	

AUG 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
23	ASB	EPG IS	07 31 32.8 07 31 38.2	.8	.1					SMALL LOCAL
.....										
23	7 47 38.40		51.80 N 173.84 W	DEPTH = 34.0 KM		MB = 3.9		TELESEISMIC SOLUTION		
ANDREANOF ISLANDS, ALEUTIAN IS.										
23	ADK	IP D	07 48 6.8				189	92	.2	
		IS	07 48 31.8						4.6	
23	ASD	EP	07 48 41.9				474	82	.1	REGIONAL
		I	07 49 52.8							
23	ASB	EP	07 48 42.9	4.7	.3		480	82	.3	
		I	07 49 49.4							
23	ASC	EP	07 48 43.9				484	83	.8	
23	AND	EP	07 48 45.5				498	84	.7	QP, NOISY
23	ANA	EP	07 48 48.3				517	85	1.1	
.....										
23	11 40 25.48		51.49 N 178.97 E	DEPTH = 64.8 KM				FREE DEPTH SOLUTION		
RAT ISLANDS, ALEUTIAN ISLANDS										
23	ASB	EPG	11 40 35.7	1.5	.1		24	307	.1	
		ES	11 40 43.0						-.1	
23	ANA	IPG	11 40 35.7				26	125	-.1	
		IS	11 40 43.3						.1	
23	ASD	EPG	11 40 35.9				29	296	.0	QP
.....										
23	11 46 44.70		51.32 N 177.70 E	DEPTH = 125.0 KM				FIXED DEPTH SOLUTION		
RAT ISLANDS, ALEUTIAN ISLANDS										
23	ANA	EP	11 47 4.4				75	243	-.0	
		IS	11 47 18.8						-.0	
23	ASC	IP	11 47 6.6				103	262	.0	
23	ASB	IP	11 47 7.1	2.7	.1		107	268	.1	
		IS	11 47 23.5						.3	
23	ASD	IP	11 47 7.3	3.1	.1		114	267	-.2	
		ES	11 47 23.9						-.3	
.....										
23	14 0 22.31		51.04 N 179.57 E	DEPTH = 19.3 KM				FREE DEPTH SOLUTION		
RAT ISLANDS, ALEUTIAN ISLANDS										
23	ASD	IPGC	14 00 29.9	7.7	.1	1.44	41	157	.1	
		IS	14 00 35.2						-.1	
23	ASB	IPGC	14 00 30.2	3.4	.1	1.15	42	147	.1	
		ES	14 00 35.6						-.1	
23	ASC	E(P)	14 00 31.8				55	149	-.1	
		ES	14 00 39.2						.3	
23	ANA	IP	14 00 37.3				91	135	-.0	
.....										
23	14 59 25.85		51.09 N 179.62 E	DEPTH = 32.3 KM				FREE DEPTH SOLUTION		
RAT ISLANDS, ALEUTIAN ISLANDS										
23	ASD	IPGD	14 59 33.8	21.1	.1	1.72	37	149	-.0	
		IS	14 59 39.6						.0	
23	ASB	EPG	14 59 34.1	14.3	.1	1.66	39	139	.0	
		IS	14 59 40.1						-.0	
23	ASC	EPG	14 59 35.7				52	142	.0	
.....										

AUG 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
23	16	1	57.96	51.00 N	179.56 E	DEPTH = 36.6 KM				FREE DEPTH SOLUTION
				RAT ISLANDS, ALEUTIAN ISLANDS						
23	ASB	IPGD	16 02 7.2	5.4	.1	1.47	46	151	-.2	
		E(S)	16 02 14.4						.2	
23	ASD	IPGD	16 02 7.4	15.3	.1	1.88	45	160	.2	
		E(S)	16 02 13.8						-.2	
23	ASC	EP	16 02 9.0				58	152	.0	
23	ASB	EPG	16 04 5.9	2.2	.1					
23	ASD	IPGD	16 04 6.0	3.1	.1					ASHOCK OF 1602-
23	ASB	EPG	16 08 35.5							
		ES	16 08 41.2							
23	ASD	EPG	16 08 36.2							
		ES	16 08 42.0							
23	ASB	EP	18 01 3.4	5.7	.1					
		ES	18 01 15.2							
23	ASC	EP	18 01 4.0							
23	ASD	IPGD	23 53 47.6	6.0	.1					
		E	23 53 54.6							
23	ASC	EPG	23 53 48.6							
23	ASB	IPGD	23 53 48.7	6.3	.1					
		E	23 53 56.6							
23	ANA	EPG	23 53 53.0							
		E	23 54 4.0							
24	1	6	13.92	51.02 N	179.04 E	DEPTH = 22.4 KM				FREE DEPTH SOLUTION
				RAT ISLANDS, ALEUTIAN ISLANDS						
24	ASB	EPG	01 06 21.7				41	201	.1	
		IS	01 06 27.2						-.1	
24	ASD	EPG	01 06 22.2				45	208	-.1	
		I(S)	01 06 28.4						.1	
24	ASC	EPG	01 06 23.0				50	190	-.0	QP
24	3	44	32.55	51.40 N	178.79 E	DEPTH = 43.8 KM				FREE DEPTH SOLUTION
				RAT ISLANDS, ALEUTIAN ISLANDS						
24	AND	IPGD	03 44 40.2				22	212	-.1	
		ES	03 44 45.9						-.0	
24	ANA	IPGC	03 44 40.7				27	161	-.0	
		ES	03 44 46.6						-.0	
24	ASC	IPG	03 44 40.9				27	255	.2	
		ES	03 44 46.9						.2	
24	ASB	IPG	03 44 41.2	8.0	.1	1.08	32	277	.1	
		ES	03 44 47.3						-.1	
24	ASD	IPGD	03 44 41.7	4.9	.1	1.15	38	274	-.1	
		IS	03 44 48.3						-.2	
24	3	58	4.94	51.36 N	179.56 W	DEPTH = 81.2 KM				FREE DEPTH SOLUTION
				DELAROF ISLANDS, ALEUTIAN ISLANDS						
24	ASD	IP C	03 58 20.5	10.4	.1		76	91	-.2	
		IS	03 58 32.3						.1	
24	ASB	IP D	03 58 21.3	9.7	.1		83	90	-.0	
		IS	03 58 33.2						-.0	
24	ASC	IP D	03 58 22.0				89	97	.1	
		ES	03 58 34.5						.2	
24	AND	E(P)	03 58 23.7				106	102	.1	

AUG 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
24	ANA	ES IP D	03 58 37.0 03 58 26.0				127	103	-.3 .0	
24	ASD	IP	04 17 29.2	2.9	.1					
24	ASB	IP	04 17 29.9	6.2	.1					
24	ASC	EP	04 17 30.6							
24	ANA	EP	04 17 32.4							QP
24	ASD	EP	05 26 31.3	2.5	.1					
24	ASB	EP	05 26 32.9	3.3	.1					
24	ASC	EP	05 26 33.5							
24	AND	EP	05 26 34.7							
24	ANA	EP	05 26 36.6							
24	7 53 21.80		55.09 N 164.43 W				93.0 KM		MB = 4.0	TELESEISMIC SOLUTION
			UNIMAK ISLAND REGION							
24	ASD	EP	07 55 49.6	1.5	.1		1158	63		REGIONAL
24	ASB	EP	07 55 50.2				1164	63		
24	ASC	EP	07 55 50.7				1164	63		QP
24	AND	EP	07 55 51.3				1173	64		
24	ANA	IP	07 55 53.8				1188	64		
24	9 0 56.59		51.12 N 179.98 W				28.6 KM			FREE DEPTH SOLUTION
			DELAROF ISLANDS, ALEUTIAN ISLANDS							
24	ASD	EPG	09 01 6.6	6.3	.1	1.84	55	121	-.1	
		ES	09 01 13.9						-.1	
24	ASB	EPG	09 01 7.3	5.3	.1	1.90	60	116	-.1	
		ES	09 01 15.3						.1	
24	ASC	IPG	09 01 9.1				71	122	.2	
		ES	09 01 17.8						-.0	
24	AND	EPG	09 01 11.5				89	123	-.1	
24	ANA	EPG	09 01 14.6				110	120	-.1	QP, V. EMERGENT
24	ASD	IPGD	09 05 26.1	35.1	.1					
24	ASB	IPGD	09 05 26.6	36.6	.1					
		I(S)	09 05 34.3							
24	ASC	IPGD	09 05 28.3							
24	AND	IPGC	09 05 30.5							
24	ANA	IPGC	09 05 33.3							
24	ASB	EP	09 44 39.6	7.4	.4					EMERGENT
24	ASD	EP	09 44 39.7	9.8	.4					TELE
24	ANA	EP	09 44 41.3							
24	ANA	EP	13 03 37.8							
24	AND	EP	13 03 39.3							
24	ASD	EP	13 03 39.8							REG. OR TELE
24	ANA	EP	13 12 41.8							
24	AND	EP	13 12 44.1							
24	ASB	EP	13 12 49.3							1 MIN. S MINUS P
24	ASD	EP	13 12 49.8	2.8	.2					REGIONAL
24	ASD	EP	13 35 34.8	3.4	.2					
		ES	13 35 53.3							
24	ASB	EP	13 35 35.7	5.5	.2					
		ES	13 35 54.8							
24	ASC	EP	13 35 36.4							

AUG 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
24	15 36	29.21	51.44 N 178.85 E	DEPTH = 40.2 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
24	AND	IPG	15 36 36.1				15	209	-.0	
		ES	15 36 40.7						-.4	
24	ANA	IPG	15 36 36.7				24	148	-.0	
		ES	15 36 42.5						.3	
24	ASC	IPG	15 36 36.8				22	264	.2	
		IS	15 36 42.0						.1	
24	ASB	EPG	15 36 37.0				29	288	-.2	
		IS	15 36 42.9						-.1	
24	ASD	EPG	15 36 37.7	1.3	.1	.42	35	282	-.1	
		IS	15 36 44.3						.3	
.....										
24	15 37	12.09	51.79 N 179.58 W	DEPTH = 75.0 KM			FIXED DEPTH SOLUTION			
DELAROF ISLANDS, ALEUTIAN ISLANDS										
24	ASD	EP	15 37 28.7				88	58	.2	QP
		E(S)	15 37 40.2						-.2	
24	AND	EP	15 37 30.1				104	75	-.2	
		E(S)	15 37 43.8						.3	
24	ANA	EP	15 37 32.3				123	81	-.0	
.....										
24	16 18	59.52	51.74 N 179.95 E	DEPTH = 189.9 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
24	ASD	EP	16 19 25.6				59	46	-.1	
		ES	16 19 44.7						-.0	
24	ASB	EP	16 19 25.9				65	49	-.0	
		ES	16 19 45.2						.0	
24	ASC	EP	16 19 25.9				63	60	.1	
24	ANA	EP	16 19 27.1				90	81	-.0	
.....										
24	16 34	29.79	51.78 N 179.58 W	DEPTH = 25.0 KM			FIXED DEPTH SOLUTION			
DELAROF ISLANDS, ALEUTIAN ISLANDS										
24	ASD	IP D	16 34 44.3	4.1	.1	2.39	87	58	-.1	
24	ASB	IP D	16 34 45.4	2.7	.1	2.33	94	59	.0	
		IS	16 34 56.7						-.0	
24	ASC	IP D	16 34 45.5				94	67	.1	
24	AND	IP C	16 34 46.8				104	76	-.1	
24	ANA	IP C	16 34 49.7				122	81	.0	
.....										
24	ASD	IP	16 46 26.2	3.4	.1					
		ES	16 46 37.7							
24	ASB	IP	16 46 27.0	3.9	.1					
		ES	16 46 38.8							
24	ASC	IP	16 46 27.7							
		ES	16 46 40.0							
24	AND	EP	16 46 29.9							QP
		ES	16 46 43.3							
24	ADK	EP	16 46 33.6							
		ES	16 47 5.3							
24	ASC	EP	16 57 12.7							
24	ASD	EP	16 57 12.9	10.5	.4					TELE
24	ASB	EP	16 57 13.3	12.5	.3					
24	ASB	EP	17 20 39.7							OS
		E(S)	17 20 51.8							
24	ASC	EP	17 20 42.4							

AUG 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
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24	AND	EP	17 20 44.5							
24	ANA	EP	17 20 47.8							

24	17 28 42.93	51.21 N 179.53 W	DEPTH = 25.0 KM	FIXED DEPTH SOLUTION						
DELAROF ISLANDS, ALEUTIAN ISLANDS										
24	ASD	IP D	17 28 56.4	3.6	.1	2.21	81	103	-.1	
		IS	17 29 6.6						.1	
24	ASB	IP D	17 28 57.3	2.3	.1	2.13	87	101	-.1	
		ES	17 29 8.1						.1	
24	ASC	IP	17 28 58.7				95	107	.0	
		ES	17 29 10.4						.3	
24	ANA	EP	17 29 4.7				134	109	.2	
		ES	17 29 19.9						-.3	

24	19 8 25.19	51.45 N 179.52 E	DEPTH = 44.1 KM	FREE DEPTH SOLUTION						
RAT ISLANDS, ALEUTIAN ISLANDS										
24	ASD	IPG	19 08 32.6	5.7	.1	-.37	14	58	.1	
		IS	19 08 38.2						.3	
24	ASB	IPG	19 08 32.7	10.7	.1	.51	21	63	-.2	
		IS	19 08 38.5						-.0	
24	ASC	IPGC	19 08 33.3				24	94	.1	
		I(S)	19 08 38.8						-.2	
24	AND	EPG	19 08 34.4				41	108	-.3	
		IS	19 08 41.7						.1	
24	ANA	EPG	19 08 37.4				63	108	.2	

24	ASD	EP	21 20 32.2	1.8	.1					
24	ASB	EP	21 20 33.0	2.5	.1					
24	ASC	EP	21 20 33.6							
		ELG	21 21 21.0							
24	ANA	EP	21 20 36.6							

24	21 27 46.79	51.66 N 179.85 W	DEPTH = 25.0 KM	FIXED DEPTH SOLUTION						
DELAROF ISLANDS, ALEUTIAN ISLANDS										
24	ASD	IPGC	21 27 57.8	152.0	.1	3.47	64	60	-.2	
		ES	21 28 6.2						.0	
24	ASB	IPGC	21 27 59.0	18.1	.1	2.71	71	61	.0	
		IS	21 28 8.0						.1	
24	ASC	IPGC	21 27 59.2				72	71	.1	
24	AND	IPGD	21 28 .7				83	82	-.1	
		IS	21 28 11.1						.1	
24	ANA	IPGC	21 28 3.9				103	87	.2	
		I(S)	21 28 15.8						-.2	

24	21 57 19.77	50.36 N 177.95 E	DEPTH = 25.0 KM	FIXED DEPTH SOLUTION						
RAT ISLANDS, ALEUTIAN ISLANDS										
24	ASB	EP	21 57 43.1				144	220	.3	SMALL
24	ASD	EP	21 57 43.5				149	221	-.2	VERY EMERGENT
		E(S)	21 58 1.1						.0	
24	ASC	EP	21 57 43.6				149	215	-.1	
24	ANA	EP	21 57 43.7				149	200	.0	

AUG 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
24	22 22 50.13		51.17 N 178.31 E			DEPTH = 25.0 KM				FIXED DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
24	AND	EPG	22 23 .2				62	226	-.9	
24	ANA	IPGD	22 23 .7				56	206	.5	
		I(S)	22 23 7.3						-.2	
24	ASB	EPG	22 23 2.0	4.6	.1	2.06	69	253	.0	
		I(S)	22 23 11.1						.5	
24	ASC	EPG	22 23 2.1				68	242	.2	
		I(S)	22 23 10.8						.4	
24	ASD	EPG	22 23 3.0	1.3	.1	1.65	76	253	.0	
		I(S)	22 23 11.8						-.6	
24	ADK	EP	22 34 44.5							
		ES	22 35 8.1							
24	ASD	EP	22 35 20.9	3.2	.2					
		E(S)	22 36 12.8							
24	ASB	EP	22 35 21.8	10.3	.2					
24	ASC	EP	22 35 22.8							
24	AND	EP	22 35 23.8							
		E(S)	22 36 17.1							
24	ANA	EP	22 35 26.3							QP
25	0 41 38.37		51.70 N 179.38 W			DEPTH = 50.0 KM				FIXED DEPTH SOLUTION
			DELAROF ISLANDS, ALEUTIAN ISLANDS							
25	ASD	IPG	00 41 54.4	2.5	.1	2.32	95	68	-.1	
		ES	00 42 6.3						.1	
25	ASB	IPG	00 41 55.3	3.7	.1	2.60	102	68	.0	
		ES	00 42 7.5						-.1	
25	ASC	IPG	00 41 55.6				104	75	.1	
25	AND	IPG	00 41 56.9				116	82	-.1	
25	ANA	IPG	00 41 59.4				135	86	.0	
25	ANA	EP	03 18 56.1							VERY EMERGENT.
25	AND	EP	03 18 58.9							S UNCERTAIN.
25	ASC	EP	03 19 1.0							
25	ASB	EP	03 19 2.2							
		E(S)	03 19 27.5							
25	ASD	EP	03 19 2.7							
		E(S)	03 19 27.1							
25	4 47 37.35		51.93 N 179.18 W			DEPTH = 75.0 KM				FIXED DEPTH SOLUTION
			DELAROF ISLANDS, ALEUTIAN ISLANDS							
25	ASD	EPN	04 47 56.6	1.4	.1		119	58	-.6	
		ES	04 48 11.0						-.7	
25	ASB	EPN	04 47 58.0	8.3	.2		126	59	.0	
		ES	04 48 14.2						1.2	
25	AND	EPN	04 47 58.5				135	72	-.5	
		ES	04 48 14.3						-.5	
25	ASC	EPN	04 47 58.6				126	65	.7	
25	ANA	EPN	04 48 1.5				153	76	.4	
25	ASD	IPN	06 16 3.5							
		IPG	06 16 4.9	2.5	.1					
		I(S)	06 16 18.0							
25	ASB	EPN	06 16 4.8							
		IPG	06 16 6.0	3.4	.1					
		ES	06 16 19.2							
25	ASC	EPN	06 16 5.8							
		IPG	06 16 7.3							
		IS	06 16 22.3							

AUG 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
25	AND	EP	06 16 9.5							
25	ANA	EPN	06 16 11.5							
		IPG	06 16 13.9							
		ES	06 16 32.6							
25	ASD	IPN	06 19 25.1	1.5	.1					
		ES	06 19 39.2							
25	ASB	EPN	06 19 25.8							
25	ASC	EPN	06 19 27.2							
		I(S)	06 19 42.5							

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25	8 50 49.37	50.96 N 179.45 E	DEPTH = 25.0 KM	FIXED DEPTH SOLUTION						
RAT ISLANDS, ALEUTIAN ISLANDS										
25	ASB	IPG	08 50 58.0	16.8	.1	1.99	46	162	.0	
		ES	08 51 4.6						.3	
25	ASD	IPGD	08 50 58.0	14.7	.1	1.94	47	171	-.0	
25	ASC	IPGC	08 50 59.7				59	160	-.1	
		ES	08 51 7.9						.5	
25	AND	EPG	08 51 1.7				75	152	-.5	
		ES	08 51 10.7						-.8	
25	ANA	EPG	08 51 5.2				92	143	.5	

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25	ASD	IP	10 21 6.1	2.2	.1					
		E(S)	10 21 44.1							
25	ASB	IP	10 21 6.8	3.2	.1					
		E(S)	10 21 46.0							
25	AND	EP	10 21 8.1							
25	ANA	IP	10 21 10.3							
25	ASC	IP	10 21 7.4							

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25	10 45 23.58	51.20 N 178.76 E	DEPTH = 20.1 KM	FREE DEPTH SOLUTION						
RAT ISLANDS, ALEUTIAN ISLANDS										
25	ASB	EPG	10 45 30.9				38	242	.1	
		ES	10 45 35.8						-.3	
25	AND	EPG	10 45 31.1				43	198	-.4	
		ES	10 45 37.1						-.1	
25	ASC	EPG	10 45 31.4				41	223	.2	
		ES	10 45 36.7						.0	
25	ASD	EPG	10 45 32.0				45	244	.2	
		ES	10 45 37.6						-.1	
25	ANA	IPGC	10 45 32.0				48	171	-.3	
		ES	10 45 39.2						.6	

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25	12 8 38.42	51.21 N 178.76 E	DEPTH = 21.9 KM	FREE DEPTH SOLUTION						
RAT ISLANDS, ALEUTIAN ISLANDS										
25	ASB	EPG	12 08 45.9	3.8	.1	1.00	37	244	.3	
		ES	12 08 50.6						-.3	
25	ASC	IPGC	12 08 45.9				39	226	.0	
		IS	12 08 51.7						.4	
25	ASD	EPG	12 08 46.5				44	246	-.1	
		ES	12 08 52.3						-.2	
25	ANA	IPG	12 08 46.8				46	171	-.1	

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25	ASD	EPN	12 35 14.3							
		ES	12 35 29.7							
25	ASB	EPN	12 35 14.6							
25	ASC	EPN	12 35 15.8							

POORLY RECORDED

AUG 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
25	13 42	30.16	50.88 N 179.88 E	DEPTH = 25.0 KM		FIXED DEPTH SOLUTION				
RAT ISLANDS, ALEUTIAN ISLANDS										
25	ASD	EPG	13 42 41.8	2.7	.1	1.78	67	146	.0	
		ES	13 42 50.2						-.0	
25	ASB	EPG	13 42 42.1	3.2	.1	1.92	69	140	-.0	
		ES	13 42 50.9						.0	
25	ASC	EPG	13 42 44.0				82	142	.0	
.....										
25	ASD	IP	13 54 25.5	5.5	.1					
25	ASC	IP	13 54 25.8							
25	ANA	IP	13 54 26.3							
25	ADK	IP	14 48 49.2							
		IS	14 49 2.4							
25	ASD	EPN	14 48 59.7	9.8	.1					PG AMP.
		ES	14 49 23.7							
25	ASB	EPN	14 49 1.3							
		ES	14 49 24.6							
25	ASC	EPN	14 49 2.4							
25	AND	EPN	14 49 4.3							
25	ANA	EPN	14 49 7.5							
.....										
25	18 21	42.95	51.62 N 179.45 W	DEPTH = 50.0 KM		FIXED DEPTH SOLUTION				
DELAROF ISLANDS, ALEUTIAN ISLANDS										
25	ASD	EPG	18 21 58.0	1.7	.1	2.01	88	72	-.1	
		ES	18 22 9.3						.1	
25	ASB	EPG	18 21 58.9	1.6	.1	2.11	94	72	-.0	
		ES	18 22 10.6						.0	
25	ASC	EPG	18 21 59.4				97	79	.1	
		ES	18 22 11.0						-.2	
.....										
25	18 55	19.53	51.06 N 179.28 E	DEPTH = 25.0 KM		FREE DEPTH SOLUTION				
RAT ISLANDS, ALEUTIAN ISLANDS										
25	ASB	IPGC	18 55 26.5	3.2	.1	.77	34	176	.0	
		ES	18 55 31.5						-.0	
25	ASD	IPGC	18 55 26.7	2.4	.1	.73	36	187	-.0	
		ES	18 55 32.0						.0	
25	ASC	IPG	18 55 28.1				46	170	-.0	
.....										
25	19 38	11.43	51.41 N 179.52 E	DEPTH = 69.6 KM		FREE DEPTH SOLUTION				
RAT ISLANDS, ALEUTIAN ISLANDS										
25	ASD	EPG	19 38 21.7				13	72	-.0	SMALL AMP
		ES	19 38 29.3						.0	
25	ASB	EPG	19 38 22.0				20	73	.0	
		ES	19 38 29.6						-.0	
25	ASC	EPG	19 38 22.2				25	102	-.0	
.....										
25	ASD	IPGD	21 48 46.4	4.1	.1					
		IS	21 48 50.9							
25	ASB	IPGC	21 48 47.6	5.5	.1					
		IS	21 48 53.2							
25	ASC	IPGD	21 48 48.9							
		IS	21 48 55.1							
25	AND	IPG	21 48 52.6							
25	ANA	EPG	21 48 55.0							
25	ASD	IPND	22 57 29.9	9.9	.1					PG AMP.

AUG 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
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25	ADK	ES	22 57 46.5							
		EP	22 57 30.0							
		ES	22 57 48.8							
25	ASB	EPN	22 57 30.9							
		ES	22 57 49.4							
25	ASC	EPN	22 57 32.1							
25	AND	EPN	22 57 34.8							
25	ANA	EPN	22 57 37.4							
25	ASD	EPG	23 58 50.5							
		ES	23 59 1.4							
25	ASB	EPG	23 58 50.6							
25	ASC	EPG	23 58 53.3							
25	ANA	EPG	23 58 58.9							

S INDEFINITE

26	3 26 12.02	51.49 N 178.99 E	DEPTH = 212.0 KM	FREE DEPTH SOLUTION
RAT ISLANDS, ALEUTIAN ISLANDS				

26	ASD	EP	03 26 39.8	2.2	.1	27	297	-.2	POOR
		E(S)	03 26 59.9					-.5	
26	ANA	EP	03 26 39.8			28	124	-.2	
26	ASC	EP	03 26 39.9			12	282	.1	
		E(S)	03 27 .5					.5	
26	ASB	EP	03 26 40.1	2.6	.1	23	308	.2	

26	ASD	EP	03 52 52.7	1.4	.1				POOR
		E(S)	03 53 7.1						

26	ANA	IP C	08 38 59.5						
		IS	08 39 16.0						

26	10 11 51.00	51.41 N 178.78 E	DEPTH = 45.1 KM	FREE DEPTH SOLUTION
RAT ISLANDS, ALEUTIAN ISLANDS				

26	ANA	EPG	10 11 59.2			26	161	.0	
		ES	10 12 5.0					-.1	
26	ASC	EPG	10 11 59.4			27	257	.1	
		ES	10 12 5.4					.1	
26	ASB	EPG	10 11 59.7			33	280	-.1	
		IS	10 12 6.2					.1	
26	ASD	EPG	10 12 .3	1.4	.1	.63	39	276	-.1
		ES	10 12 7.0					-.2	

26	10 54 33.01	51.47 N 178.99 E	DEPTH = 71.1 KM	FREE DEPTH SOLUTION
RAT ISLANDS, ALEUTIAN ISLANDS				

26	AND	EPG	10 54 43.4			11	168	-.1	QP
26	ASC	IPG	10 54 43.6			12	271	.1	
		ES	10 54 51.3					.2	
26	ASB	IPGC	10 54 43.8	2.0	.1	21	303	.0	
		IS	10 54 51.7					.1	
26	ASD	EPG	10 54 43.9	2.9	.1	27	292	-.1	
		IS	10 54 51.9					-.1	
26	ANA	IPGD	10 54 44.2			29	128	.1	
		ES	10 54 52.1					-.1	

26	11 7 51.16	51.53 N 179.31 E	DEPTH = 66.8 KM	FREE DEPTH SOLUTION
RAT ISLANDS, ALEUTIAN ISLANDS				

26	ASD	IPGC	11 08 1.2	3.9	.1	18	353	-.1	
		ES	11 08 8.4					-.3	
26	ASC	IPGC	11 08 1.2			13	52	.1	

AUG 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
26	ASB	IS	11 08 8.6						.2	
26	ASB	IPGC	11 08 1.4	3.2	.1		20	13	.0	
26	ASB	ES	11 08 8.9						.1	
26	ANA	IPGD	11 08 3.0				46	103	.0	
26	ANA	ES	11 08 11.5						-.1	
26	ANA	EP	14 53 52.3							
26	ASC	EP	14 53 56.0							
26	ASB	EP	14 53 56.4	2.4	.1					
26	ASB	E(S)	14 54 32.7							
26	ASD	EP	14 53 57.8	1.8	.1					
26	15 1	2.73	51.36 N 178.75 E	DEPTH = 37.7 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
26	AND	IPGC	15 01 10.1				26	213	-.0	
26	AND	ES	15 01 15.6						.1	
26	ANA	IPGC	15 01 10.4				30	168	-.1	
26	ASC	IPGC	15 01 10.8				31	249	.2	
26	ASB	IPGC	15 01 11.0	18.5	.1	1.56	35	270	.0	
26	ASB	IS	15 01 17.0						.1	
26	ASD	IPGC	15 01 11.6	45.6	.1	2.24	41	268	-.1	
26	ASD	ES	15 01 18.0						-.2	
26	15 12	5.50	51.17 N 179.31 E	DEPTH = 34.6 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
26	ASB	IPGC	15 12 12.0	3.7	.1	.12	22	168	-.1	
26	ASB	IS	15 12 17.0						.1	
26	ASD	IPGC	15 12 12.1	6.6	.1	.47	23	185	-.1	
26	ASD	ES	15 12 17.4						.3	
26	ASC	IPGC	15 12 13.4				34	162	.0	
26	AND	EPG	15 12 15.3				50	150	-.0	
26	AND	ES	15 12 22.4						-.1	
26	ANA	EPG	15 12 18.0				68	138	.3	QP
26	ANA	ES	15 12 26.5						-.2	
26	ANA	EP	15 21 32.5							
26	ASC	EP	15 21 34.5							
26	ASB	EP	15 21 34.6							
26	ASD	EP	15 21 34.8							TELE
26	AND	EP	15 21 34.8							
26	ASD	EP	15 25 34.4							POOR, EMERGENT
26	ASD	E(S)	15 25 54.8							
26	ASC	EP	15 25 35.6							
26	16 49	.10	51.11 N 179.03 E	DEPTH = 24.4 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
26	ASB	EPG	16 49 6.8				32	208	.0	
26	ASB	ES	16 49 11.6						-.0	
26	ASD	EPG	16 49 7.3				37	216	-.1	
26	ASD	ES	16 49 13.0						.2	
26	ASC	EPG	16 49 8.0				41	193	.1	
26	ASC	ES	16 49 13.5						-.1	
26	ANA	EPG	16 49 11.2				63	156	.0	
26	ANA	ES	16 49 19.2						-.0	
26	ANA	EP	16 53 36.3							
26	AND	EP	16 53 36.6							
26	ASB	EP	16 53 36.8	6.6	.2					

AUG 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
		E(S)	16 53 54.4							
26	ASC	EP	16 53 37.1							
26	ASD	EP	16 53 37.5	1.7	.1					
		E(S)	16 53 55.2							
26	ASD	EP	18 24 49.9	7.7	.4					TELE
26	ASB	EP	18 24 50.1	7.8	.4					
26	ASC	EP	18 24 50.7							
26	AND	EP	18 24 51.1							
26	ANA	EP	18 24 51.6							

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26	18 40	.22	51.93 N 179.18 E	DEPTH = 167.8 KM			FREE DEPTH SOLUTION		
RAT ISLANDS, ALEUTIAN ISLANDS									
26	AND	IP	18 40 22.9			43	21	-.3	
		ES	18 40 40.2					.2	
26	ANA	IP C	18 40 23.3			49	47	-.1	
26	ASC	IP C	18 40 23.8			52	1	.3	
		ES	18 40 40.7					.2	
26	ASD	IP C	18 40 23.9	1.8	.1	62	350	-.0	
		ES	18 40 40.8					-.5	
26	ASB	IP D	18 40 24.1			63	356	.1	

26	ANA	EPN	20 42 5.6						
		IPG	20 42 6.8						
26	ASC	EPN	20 42 10.3						
		EPG	20 42 12.8						
26	ASB	EPN	20 42 11.1						
		IPG	20 42 13.5	18.9	.2				
		ES	20 42 46.4						
26	ASD	EPN	20 42 11.5						
		EPG	20 42 14.1	37.5	.3				
26	ADK	IP C	20 49 34.8						
		IS	20 49 42.7						
26	ASD	EP	20 50 1.1	1.8	.1				
26	ASB	EP	20 50 2.1	6.0	.2				
		E(S)	20 50 30.5						
26	ASC	EP	20 50 3.4						
		E(S)	20 50 31.7						
26	AND	EP	20 50 4.4						
26	ANA	EP	20 50 7.1						

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26	23 45	1.72	52.03 N 178.41 E	DEPTH = 123.7 KM			FREE DEPTH SOLUTION		
RAT ISLANDS, ALEUTIAN ISLANDS									
26	ANA	IP D	23 45 19.7			48	339	-.1	
		ES	23 45 33.0					.1	
26	AND	IP D	23 45 20.5			64	324	-.1	
		IS	23 45 34.4					-.0	
26	ASC	IP	23 45 22.1			82	321	.3	
26	ASB	EP	23 45 22.8	2.1	.1	95	322	.0	
		ES	23 45 38.1					-.1	
26	ASD	EP	23 45 22.9	2.2	.1	97	319	-.1	

27	ASD	EP	00 19 17.7							FROM BRUSH RCOR
27	ASB	EP	00 19 18.8							
27	ASC	EP	00 19 20.1							
		ES	00 19 52.1							
27	AND	EP	00 19 22.4							
		IS	00 19 55.6							
27	ANA	EP	00 19 24.9							
27	ADK	IP	00 45 55.9							
		IS	00 46 4.6							

AUG 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
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27	ASD	EP	01 49 16.3	.8	.1					
27	ASB	EP	01 49 17.1	1.2	.1					
		ES	01 49 33.6							
27	ASC	EP	01 49 18.7							
27	ANA	EP	01 49 21.6							
27	ADK	EP	02 00 13.7							
		ES	02 00 28.2							
27	ANA	IP D	03 25 .9							
27	AND	IP D	03 25 1.2							
		IS	03 25 13.8							
27	ASC	IP	03 25 2.3							
27	ASD	IP D	03 25 3.1	31.6	.1					
27	ASB	IP D	03 25 3.1	41.2	.1					
		IS	03 25 16.6							

.....
 . 27 3 38 35.98 51.41 N 179.63 E DEPTH = 65.8 KM FREE DEPTH SOLUTION
 . RAT ISLANDS, ALEUTIAN ISLANDS

27	ASD	EPG	03 38 46.1			20	79	.0		V.SM.LOCAL
		ES	03 38 53.4					-.0		
27	ASB	EPG	03 38 46.4			27	78	-.0		QP
		ES	03 38 54.0					-.0		
27	ASC	EPG	03 38 46.7			32	100	-.0		
		ES	03 38 54.6					.0		

.....
 . 27 4 59 15.02 51.85 N 179.47 E DEPTH = 121.0 KM FREE DEPTH SOLUTION
 . RAT ISLANDS, ALEUTIAN ISLANDS

27	AND	EP	04 59 32.6			48	48	-.1		
27	ASD	EP	04 59 32.8			53	9	-.2		POOR, EMERGENT
		ES	04 59 46.1					-.0		
27	ASC	EP	04 59 33.0			48	26	.3		
27	ASB	EP	04 59 33.2			56	16	.0		
27	ANA	EP	04 59 33.4			61	66	-.0		

27	ASD	EP	05 18 30.3	7.6	.1					
		E(S)	05 19 13.6							
27	ASB	EP	05 18 31.0	9.9	.1					
27	ASC	EP	05 18 31.4							
27	AND	EP	05 18 32.4							QP
27	ANA	EP	05 18 34.2							

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 . 27 5 25 29.01 51.60 N 178.81 E DEPTH = 69.5 KM FREE DEPTH SOLUTION
 . RAT ISLANDS, ALEUTIAN ISLANDS

27	AND	EP	05 25 39.0			11	294	-.3		
		ES	05 25 46.8					.1		
27	ANA	IP	05 25 39.4			10	104	.2		
27	ASB	EP	05 25 40.5			41	312	-.2		
27	ASD	EP	05 25 41.3			45	304	.3		QP

27	ANA	EP	06 07 15.1							P STAR 2ND ARR
		I	06 07 16.6							
		ILG	06 07 49.2							
27	AND	EP	06 07 17.6							
27	ASC	EP	06 07 21.5							
27	ASB	EP	06 07 22.3	4.0	.2					
27	ASD	EP	06 07 23.1	6.9	.3					
27	ASD	EP	06 52 37.8	.6	.1					V. POOR, EMERGENT

AUG 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
27	ASB	EP	06 52 38.5							NO S VISIBLE
27	ASC	EP	06 52 38.8							
27	AND	EP	06 52 40.5							
27	ANA	EP	06 52 42.1							
27	ASD	EP	07 40 10.7							V.PCR,EMERGENT
27	ASB	EP	07 40 12.1							
		E(S)	07 40 38.9							
27	ASC	EP	07 40 12.8							
27	AND	EP	07 40 15.3							
27	ANA	EP	07 40 17.8							

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27	8 20 50.92	51.45 N 179.61 E DEPTH = 25.0 KM					FIXED DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
27	ASD	IPG	08 20 56.1				20	66	-.2	SM.LOCAL
27	ASB	IPGD	08 20 57.1				27	68	.1	
		IS	08 21 1.4						-.0	
27	ASC	EPG	08 20 57.7				31	92	.2	QP
27	ANA	EPG	08 21 2.6				68	106	-.1	

27	ASD	EP	08 53 8.4						
		E(S)	08 53 21.8						
27	ASB	EPG	08 55 6.7						
27	ASD	EPG	08 55 6.9						
		ES	08 55 11.6						

.....										
27	9 41 11.55	51.88 N 178.64 E DEPTH = 113.2 KM					FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
27	ANA	IP D	09 41 27.5				28	357	-.0	
		ES	09 41 39.2						.0	
27	AND	IP D	09 41 28.0				41	328	-.0	
		IS	09 41 40.1						.0	
27	ASC	EP	09 41 29.1				59	322	.1	
27	ASB	EP	09 41 29.8	12.0	.1		71	324	-.0	
		IS	09 41 43.2						.1	
27	ASD	IP C	09 41 30.0	20.3	.1		74	319	-.0	
		IS	09 41 43.4						-.1	

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27	9 51 31.74	51.69 N 179.98 W DEPTH = 25.0 KM					FIXED DEPTH SOLUTION			
DELAROF ISLANDS, ALEUTIAN ISLANDS										
27	ASD	IPGD	09 51 42.1	2.2	.1	1.50	59	53	-.1	
		ES	09 51 49.6						-.1	
27	ASC	IPGD	09 51 43.0				65	66	.0	
27	ASB	IPGD	09 51 43.2	6.3	.1	2.11	65	55	.1	P SPIKE
		IS	09 51 51.5						.2	
27	AND	EPG	09 51 44.4				75	78	-.2	
27	ANA	EPG	09 51 47.5				94	85	.1	

27	ASD	EP	09 54 18.3	2.4	.2					V.EMERGENT
		IS	09 54 35.7							
27	ASB	EP	09 54 20.0	1.4	.1					POOR
27	ASC	EP	09 54 21.4							
27	ANA	EP	09 54 25.8							
27	ASD	EP	10 27 56.1							
		E(S)	10 28 10.6							
27	ASB	EP	10 27 58.3							

AUG 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
27	11 13	2.20	51.98 N 176.66 E	DEPTH = 75.0 KM			FIXED DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
27	ANA	EP	11 13 24.8				144	287	-.1	
		ES	11 13 41.4						.0	
27	AND	EP	11 13 27.3				165	287	-.1	
27	ASC	EP	11 13 29.8				182	289	.3	
27	ASB	EP	11 13 30.5				192	292	-.1	
27	ASD	EP	11 13 31.2	2.4	.2		197	291	-.1	
.....										
27	ASD	IPGC	12 22 12.3	109.1	.1					
27	ASB	IPGC	12 22 12.6	84.1	.1					
		E	12 22 22.3							
27	ASC	IPGC	12 22 13.5							
27	AND	IPGC	12 22 14.8							
27	ANA	IPGC	12 22 17.2							
.....										
27	13 11	52.47	51.37 N 179.24 E	DEPTH = 31.7 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
27	ASD	EPG	13 11 57.6	1.5	.1		7	261	-.2	SMALL LOCAL
27	ASB	EPG	13 11 57.7				1	342	.1	
		IS	13 12 1.3						-.1	
27	ASC	EPG	13 11 58.3				12	153	.3	
27	AND	EPG	13 11 59.3				30	137	-.2	
27	ANA	EPG	13 12 2.0				50	125	.0	
.....										
27	13 1	38.70	21.80 S 179.63 W	DEPTH = 640.0 KM MB = 4.7			TELESEISMIC SOLUTION			
FIJI ISLANDS REGION										
27	ASB	IP	13 12 4.9	15.6	.4		8100	179		
27	ASD	IP	13 12 5.2	16.8	.4		8101	179		TELE
27	ASC	IP	13 12 5.8				8111	179		
27	AND	IP	13 12 6.2				8123	179		
27	ANA	EP	13 12 6.7				8130	178		
27	ADK	IP D	13 12 7.9				8163	183		
.....										
27	13 18	31.70	51.04 N 179.35 W	DEPTH = 50.0 KM			FIXED DEPTH SOLUTION			
DELAROF ISLANDS, ALEUTIAN ISLANDS										
27	ASD	EP	13 18 48.0	2.4	.1	2.35	98	112	-.2	
		ES	13 18 59.9						-.2	
27	ASB	EP	13 18 48.8	4.7	.1	2.73	104	109	-.0	
		ES	13 19 1.5						.2	
27	ASC	EP	13 18 50.0				113	114	.0	
27	AND	EP	13 18 51.9				131	115	-.3	
27	ANA	EP	13 18 55.2				153	114	.4	QP
.....										
27	13 53	40.15	51.65 N 178.80 E	DEPTH = 71.8 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
27	ANA	EPG	13 53 50.6				10	72	-.1	
27	AND	EPG	13 53 50.8				15	313	.0	
27	ASC	EPG	13 53 51.7				33	310	.1	
27	ASD	EPG	13 53 52.5				49	309	-.2	
27	ASB	EPG	13 53 52.5				45	316	.1	
		E(S)	13 54 1.3						-.0	
.....										
27	ASD	EP	14 28 27.7	2.1	.1					NO S VISIBLE

AUG 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
27	ASB	EP	14 28 28.4	2.4	.1					POSS.REGIONAL
27	ASC	EP	14 28 28.9							
27	AND	EP	14 28 30.0							
27	ANA	EP	14 28 32.1							
27	ANA	IPGD	15 01 13.4							
		IS	15 01 23.3							
27	AND	IP D	15 01 16.9							
27	ASB	EP	15 01 22.0							
27	ASD	EP	15 01 22.2							

.....									
27	15 25 25.34	50.78 N 179.39 E	DEPTH = 0.0 KM	FIXED DEPTH SOLUTION					
RAT ISLANDS, ALEUTIAN ISLANDS									
27	ASD	IPGD	15 25 37.2	16.5	.1	2.57	67	177	-.3
27	ASB	IPGD	15 25 37.7	6.2	.1	2.12	66	171	.4
		IS	15 25 46.4						.4
27	ASC	IPGD	15 25 39.4				78	168	-.1
27	AND	IP D	15 25 41.6				93	161	-.2
		IS	15 25 53.2						-.6
27	ANA	IP	15 25 44.3				107	151	.3

.....									
27	15 29 7.31	51.16 N 178.16 E	DEPTH = 25.0 KM	FIXED DEPTH SOLUTION					
RAT ISLANDS, ALEUTIAN ISLANDS									
27	ANA	IP D	15 29 18.3				62	214	.1
27	AND	EP	15 29 19.3				71	232	-.2
27	ASB	EP	15 29 20.7				79	254	.0
		E(S)	15 29 30.4						.0

27	ADK	E	15 33 16.6						
27	ASD	EP	15 41 28.3	.7	.1				
		I(S)	15 41 54.9						
27	ASB	EP	15 41 29.2						
27	ASC	EP	15 41 29.6						
27	AND	EP	15 41 29.8						
27	ANA	EP	15 41 32.1						
27	ASD	IP C	15 55 44.6	2.2	.1				
		I	15 56 .5						
27	ASB	IP D	15 55 45.4	3.1	.1				
		I	15 56 1.7						
27	ASC	IP	15 55 45.8						
27	AND	IP	15 55 47.1						
27	ANA	IP D	15 55 49.4						
		I	15 56 8.6						

.....									
27	16 12 2.95	51.38 N 179.15 E	DEPTH = 36.7 KM	FREE DEPTH SOLUTION					
RAT ISLANDS, ALEUTIAN ISLANDS									
27	ASB	IPGD	16 12 9.0	9.9	.1		7	283	.0
		IS	16 12 13.4						.0
27	ASD	IPGD	16 12 9.1	9.7	.1	-.24	13	269	-.2
27	ASC	IPGD	16 12 9.3				10	187	.2
27	AND	IPG	16 12 10.1				25	147	.0
		ES	16 12 15.2						-.1
27	ANA	EPG	16 12 12.1				44	129	-.0

AUG 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
27	17 10	51.28	50.80 N 179.55 E	DEPTH =		0.0 KM	FIXED DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
27	ASD	IPGD	17 11 3.2	37.5	.1	2.91	66	167	-.1	
27	ASB	IPGD	17 11 3.7	35.1	.1	2.88	66	161	.4	
		IS	17 11 12.0						-.1	
27	ASC	IPGD	17 11 5.5				79	160	-.1	
27	AND	IP C	17 11 7.8				95	154	-.2	
27	ANA	IP C	17 11 10.6				111	146	.1	
.....										
27	17 19	28.65	51.63 N 178.38 E	DEPTH =		80.9 KM	FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
27	ANA	EP	17 19 40.5				19	272	-.0	
27	AND	EP	17 19 41.5				40	281	-.0	
27	ASD	EP	17 19 44.0				72	293	-.0	POOR
		E(S)	17 19 55.2						-.0	
.....										
27	17 42	49.06	50.52 N 177.42 E	DEPTH =		50.0 KM	FIXED DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
27	ANA	EP	17 43 12.1				151	216	.1	
27	AND	EP	17 43 12.8				159	223	-.1	
		ES	17 43 30.2						-.1	
27	ASB	EP	17 43 13.0	1.6	.1	2.95	159	235	.0	
		ES	17 43 30.6						.2	
27	ASC	EP	17 43 13.3				162	230	.0	
27	ASD	EP	17 43 13.7	1.1	.1	2.86	165	235	-.1	
		ES	17 43 31.7						-.1	
.....										
27	18 29	40.64	51.30 N 179.58 E	DEPTH =		57.8 KM	FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
27	ASD	EPG	18 29 49.8	1.1	.1		19	117	.0	
27	ASB	EPG	18 29 50.0	1.2	.1		24	106	-.0	
		ES	18 29 56.8						-.1	
27	ASC	IPG	18 29 50.8				34	122	.1	
		ES	18 29 58.1						.1	
27	AND	EPG	18 29 52.0				52	123	-.3	
27	ANA	EPG	18 29 54.6				73	119	.1	
.....										
27	19 0	21.46	52.07 N 179.64 E	DEPTH =		172.2 KM	FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
27	ASD	EP	19 00 46.4	1.8	.1		80	15	-.2	
		ES	19 01 4.8						-.1	
27	ASC	EP	19 00 46.6				76	26	.3	
27	ANA	EP	19 00 46.7				84	53	-.1	
27	ASB	EP	19 00 46.8				84	19	.0	
		ES	19 01 5.4						.1	
.....										
27	ASD	IPGC	19 18 27.2	7.0	.1		SMALL LOCAL			
		IS	19 18 30.2							
27	ASC	IPG	19 18 28.0							
27	ASB	IPG	19 18 28.1	2.1	.1					
		IS	19 18 31.6							
27	ASD	EP	19 42 33.7	.7	.1					
27	ASB	EP	19 42 34.5	2.3	.2					

AUG 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
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		E(S)	19 43 22.9							
27	AND	EP	19 42 35.5							QP
27	ANA	EP	19 42 38.2							

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27	19 44 42.00	15.41 N 95.60 W	DEPTH = 31.0 KM	MB = 5.5	MS = 5.7	TELESEISMIC SOLUTION
NEAR COAST OF OAXACA, MEXICO						

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27	ADK	EP	19 56 5.7			8060	87
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27	ASD	EP	20 08 5.4				
27	ASC	EP	20 08 7.4				
		ES	20 08 24.5				

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27	21 35 38.38	52.43 N 179.45 E	DEPTH = 125.0 KM	FIXED DEPTH SOLUTION		
RAT ISLANDS, ALEUTIAN ISLANDS						

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27	ANA	EP	21 35 59.7			105	31	-.7
27	ASD	EP	21 36 0.0	.8	.1	118	4	-1.5
		E(S)	21 36 18.4					-.0
27	AND	EP	21 36 1.1			102	19	.9
27	ASC	EP	21 36 1.3			109	10	.5
27	ASB	EP	21 36 2.3			120	7	.6

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27	22 6 .63	52.01 N 178.27 E	DEPTH = 135.5 KM	FREE DEPTH SOLUTION		
RAT ISLANDS, ALEUTIAN ISLANDS						

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27	ANA	IP D	22 06 20.0			51	328	-.1
		ES	22 06 34.5					.2
27	AND	IP D	22 06 21.0			69	317	-.1
		ES	22 06 35.8					-.2
27	ASC	IP	22 06 22.6			87	315	.3
27	ASB	EP	22 06 23.1	3.1	.1	99	317	-.1
27	ASD	EP	22 06 23.3	3.1	.1	102	314	-.1

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27	22 11 37.91	51.46 N 179.28 W	DEPTH = 0.0 KM	FIXED DEPTH SOLUTION		
DELAROF ISLANDS, ALEUTIAN ISLANDS						

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27	ASD	IP D	22 11 54.7	1.7	.1	2.16	96	84	-.1
		ES	22 12 7.2						.0
27	ASB	IP D	22 11 55.8	4.0	.1	2.64	103	84	-.1
		IS	22 12 8.9						-.0
27	ASC	IP	22 11 57.0				108	90	.4
27	ANA	EP	22 12 1.9				144	97	-.2

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27	23 9 44.39	51.72 N 178.53 E	DEPTH = 81.4 KM	FREE DEPTH SOLUTION		
RAT ISLANDS, ALEUTIAN ISLANDS						

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27	ANA	IPGC	23 09 56.1			14	320	-.0
		IS	23 10 4.8					.1
27	AND	IPGC	23 09 56.9			34	301	-.0
		IS	23 10 6.0					-.1
27	ASC	EPG	23 09 58.3			52	303	-.2
27	ASB	EPG	23 09 59.0	1.8	.1	64	309	-.0
27	ASD	IPG	23 09 59.3	2.9	.1	68	305	-.1

.....

27	ADK	IP C	23 10 16.9					
		IS	23 10 26.5					
27	ASD	EP	23 10 35.2	121.7	.3			
27	ASB	EP	23 10 36.1	180.2	.3			

AUG 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
		E(S)	23 11 4.9							
27	ASC	EP	23 10 37.5							
27	AND	EP	23 10 39.2							
		E(S)	23 11 10.0							
27	ANA	EP	23 10 42.1							
28	ASD	EP	00 12 51.1							FROM HELICORDER
		ES	00 13 10.8							
.....										
28	1 2 48.90	4.57 S 153.06 E	DEPTH = 88.0 KM	MB = 5.9						TELESEISMIC SOLUTION
NEW IRELAND REGION										
28	ASB	EP	01 12 49.1	11.7	.3		6678	211		
28	ANA	EP	01 12 49.2				6683	210		
28	ASD	EP	01 12 49.5				6683	211		TELE
28	ASC	EP	01 12 49.6				6684	210		
28	AND	EP	01 12 51.5				6687	210		QP
28	ADK	EP	01 13 .4				6883	215		
.....										
28	1 21 18.69	51.38 N 178.76 E	DEPTH = 40.0 KM							FREE DEPTH SOLUTION
RAT ISLANDS, ALEUTIAN ISLANDS										
28	AND	IPGC	01 21 26.1				24	214	-.1	
		IS	01 21 31.6						-.0	
28	ANA	IPGD	01 21 26.5				28	166	.0	
28	ASC	IPGC	01 21 26.8				29	253	.2	
28	ASB	IPGC	01 21 27.1	8.7	.1	1.20	34	275	.0	
		IS	01 21 33.2						-.0	
28	ASD	IPGC	01 21 27.7	21.4	.1	1.88	40	271	-.1	INTERESTING LOC
.....										
28	ANA	EP	01 35 11.9							
28	AND	EP	01 35 12.7							
28	ASC	EP	01 35 14.1							
28	ASB	EP	01 35 14.3	7.1	.4					
28	ASD	EP	01 35 14.9	3.5	.4					
.....										
28	3 42 58.59	51.61 N 179.25 E	DEPTH = 24.6 KM							FREE DEPTH SOLUTION
RAT ISLANDS, ALEUTIAN ISLANDS										
28	ASC	EPG	03 43 3.7				17	21	.1	
28	ASD	IPG	03 43 4.3	.8	.1	-.23	26	346	-.2	
28	ASB	IPG	03 43 4.7				27	1	.0	
		IS	03 43 9.2						.1	
28	ANA	IPG	03 43 6.6				41	93	.1	
		IS	03 43 11.9						-.3	
.....										
28	ASD	IPG	03 50 31.6	3.1	.1					
28	ASB	IPG	03 50 32.1	4.0	.1					
		IS	03 50 40.5							
28	ASC	IPG	03 50 33.9							
28	AND	EP	03 50 36.3							
28	ANA	EP	03 50 39.4							
.....										
28	4 3 49.55	51.22 N 178.74 E	DEPTH = 17.4 KM							FREE DEPTH SOLUTION
RAT ISLANDS, ALEUTIAN ISLANDS										
28	ASB	IPG	04 03 56.8	1.3	.1	.60	39	246	.0	
		IS	04 04 2.0						-.0	
28	ASC	IPG	04 03 57.1				41	227	.1	
28	AND	IPG	04 03 57.1				41	201	-.0	
28	ASD	EPG	04 03 57.7				46	247	-.1	
28	ANA	EPG	04 03 57.8				46	173	-.0	

AUG 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
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28	4 42	9.62	51.37 N 178.57 E	DEPTH = 19.5 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
28	ANA	IPGD	04 42 15.5				29	192	.0	
28	AND	IPGD	04 42 16.1				34	232	-.1	
28	ASC	IPGC	04 42 17.6				42	257	.2	
28	ASB	IPGC	04 42 18.1	8.2	.1	1.70	47	272	.0	
		IS	04 42 24.2						-.0	
28	ASD	EPG	04 42 18.9	6.3	.1	1.79	53	270	-.1	
NO S VISIBLE										
28	ASD	E(P)	05 08 42.2							
28	ASB	E(P)	05 08 43.1							
28	ASC	E(P)	05 08 43.7							
28	ANA	E(P)	05 08 46.5							

28	5 55	49.11	51.40 N 178.78 E	DEPTH = 42.7 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
28	AND	EPG	05 55 56.6				21	214	-.1	
		IS	05 56 2.3						.0	
28	ANA	IPGC	05 55 57.1				26	161	-.0	
28	ASC	EPG	05 55 57.4				27	256	.2	
28	ASB	EPG	05 55 57.7	1.6	.1	.40	33	279	.0	
		ES	05 56 3.8						-.1	
28	ASD	EPG	05 55 58.2	1.1	.1	.53	39	275	-.1	

28	6 3	14.59	51.51 N 177.60 E	DEPTH = 125.0 KM			FIXED DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
28	ANA	IP	06 03 34.4				74	261	.1	QS
		ES	06 03 48.7						.1	
28	AND	IP	06 03 35.5				94	267	-.2	
28	ASB	EP	06 03 37.6				115	279	.1	
28	ASD	EP	06 03 38.1	1.3	.1		122	278	.0	
28	ASD	EP	06 04 15.4							
		ES	06 04 28.8							
28	ASB	EP	06 04 16.5							
28	ANA	EP	06 04 22.9							

28	7 22	39.33	51.64 N 179.76 E	DEPTH = 88.0 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
28	ASD	IPGC	07 22 52.9	11.5	.1		41	45	-.1	
		IS	07 23 2.8						-.2	
28	ASB	IPGC	07 22 53.4	16.5	.1		47	49	.0	
		IS	07 23 3.6						.0	
28	ASC	EPG	07 22 53.4				45	64	.1	
		IS	07 23 3.6						.2	
28	AND	IPGD	07 22 53.9				56	81	-.1	
28	ANA	IPGD	07 22 55.6				76	89	.0	
		IS	07 23 7.4						-.1	

28	10 6	8.80	33.86 S 179.81 W	DEPTH = 90.0 KM MB = 5.6			TELESEISMIC SOLUTION			
SOUTH OF KERMADEC ISLANDS										
28	ANA	IP	10 17 53.2				9466	179		
28	AND	EP	10 17 56.4				9458	179		
		ES	10 18 15.3							
28	ASC	EP	10 17 58.1				9447	179		

AUG 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
.	28	ASB	IS	10 18 18.1						
.	28	ASB	EP	10 17 59.1	3.1	.1	9435	179		
.	28	ASD	EP	10 17 59.8	6.3	.2	9437	179		
.	28	ADK	EP	10 18 35.9			9498	183		
.....										
.	28	ASB	EPG	10 42 36.0						SMALL LOCAL
.			IS	10 42 43.8						
.	28	ASD	EP	10 55 10.1	3.2	.1				
.	28	ASC	EP	10 55 10.3						
.	28	ASB	EP	10 55 10.6	7.5	.1				
.			E	10 55 26.7						
.	28	AND	EP	10 55 10.6						
.	28	ANA	EP	10 55 11.5						
.....										
.	28	11 7 19.09	50.37 N 179.05 E	DEPTH = 75.0 KM						FIXED DEPTH SOLUTION
.			RAT ISLANDS, ALEUTIAN ISLANDS							
.	28	ASB	EP	11 07 37.9			111	187	-.1	
.			ES	11 07 51.8					-.0	
.	28	ASD	EP	11 07 38.4			114	191	.1	VERY EMERGENT
.	28	ANA	EP	11 07 41.6			142	169	.0	
.....										
.	28	11 28 4.04	51.23 N 179.33 W	DEPTH = 50.0 KM						FIXED DEPTH SOLUTION
.			DELAROF ISLANDS, ALEUTIAN ISLANDS							
.	28	ASD	EP	11 28 19.9	2.5	.1	2.30	94	100	-.1
.			ES	11 28 31.5					-.1	
.	28	ASB	EP	11 28 20.7	3.2	.1	2.51	100	98	-.0
.			ES	11 28 32.8					-.1	
.	28	ASC	EP	11 28 21.9				108	103	.2
.			ES	11 28 34.6					.1	
.	28	AND	EP	11 28 23.6				125	107	-.1
.	28	ANA	EP	11 28 26.3				146	107	-.1
.....										
.	28	11 55 26.62	51.68 N 179.33 W	DEPTH = 125.0 KM						FIXED DEPTH SOLUTION
.			DELAROF ISLANDS, ALEUTIAN ISLANDS							
.	28	ASD	EP	11 55 48.0			98	70	-.1	
.			ES	11 56 3.7					.0	
.	28	ASB	EP	11 55 48.6			104	70	-.0	
.	28	ASC	EP	11 55 48.9			107	77	.1	
.	28	ANA	EP	11 55 51.7			139	87	-.0	
.....										
.	28	12 22 28.71	51.98 N 179.79 E	DEPTH = 170.4 KM						FREE DEPTH SOLUTION
.			RAT ISLANDS, ALEUTIAN ISLANDS							
.	28	ASD	IP C	12 22 53.2			74	25	-.1	
.			I	12 22 53.5	8.1	.1				
.			ES	12 23 11.1					-.1	
.	28	AND	EP	12 22 53.2			74	51	-.1	
.	28	ASC	EP	12 22 53.4			72	37	.2	
.			ES	12 23 11.1					.1	
.	28	ASB	EP	12 22 53.5	11.5	.1	78	29	-.0	
.			ES	12 23 11.7					.1	
.	28	ANA	IP D	12 22 54.0			87	63	-.0	
.....										
.	28	ASD	EP	13 47 35.8						QP, V. EMERGENT
.			ES	13 47 55.1						
.	28	ASB	EP	13 47 36.9						QP

AUG 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
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28	ASD	EP	13 48 59.9							NO S VISIBLE
		I	13 49 1.1	5.9	.1					
28	ASB	EP	13 49 .6							
		I	13 49 2.1	8.4	.1					
28	ASC	EP	13 49 1.9							
28	ANA	IPGD	13 53 40.3							
		IS	13 53 48.0							
28	AND	IPGD	13 53 41.5							
		ES	13 53 49.6							

28 14 1 29.90 15.12 S 173.40 W DEPTH = 33.0 KM MB = 5.3 MS = 5.3 TELESEISMIC SOLUTION
TONGA ISLANDS

28 ADK EP 14 12 19.3 7425 177

28 14 15 12.73 51.18 N 179.70 E DEPTH = 59.0 KM FREE DEPTH SOLUTION
RAT ISLANDS, ALEUTIAN ISLANDS

28	ASD	IPGC	14 15 22.6	1.5	.1		33	132	-.2
		ES	14 15 30.1						-.1
28	ASB	IPGC	14 15 23.1				38	123	-.0
		ES	14 15 30.8						.1
28	ASC	IPGC	14 15 24.8				49	130	.7
28	AND	EP	14 15 25.6				67	129	-.4

28 14 19 33.45 50.88 N 179.94 E DEPTH = 25.0 KM FIXED DEPTH SOLUTION
RAT ISLANDS, ALEUTIAN ISLANDS

28	ASD	EP	14 19 45.4	1.5	.1	1.61	70	143	-.1	EMERGENT
28	ASB	EP	14 19 45.8	2.5	.2	1.58	72	138	-.1	
		E(S)	14 19 54.9						-.0	
28	ASC	EP	14 19 47.8				85	140	.1	

28 14 20 1.76 51.04 N 179.92 W DEPTH = 25.0 KM FIXED DEPTH SOLUTION
DELAROF ISLANDS, ALEUTIAN ISLANDS

28	ASD	IP D	14 20 13.0	3.1	.1	1.77	64	126	.0	
28	ASB	EP	14 20 13.4	2.9	.1	1.86	69	122	-.2	
		ES	14 20 22.2						-.0	
28	ASC	EP	14 20 15.3				80	126	.1	
28	AND	EP	14 20 17.7				98	126	-.3	
28	ANA	EP	14 20 21.4				119	123	.3	QP

28 ASD EP 14 24 28.3 1.0 .1 QP, V. EMERGENT
E(S) 14 24 37.6

28 14 16 23.20 15.19 S 173.18 W DEPTH = 33.0 KM MB = 5.0 TELESEISMIC SOLUTION
TONGA ISLANDS

28 ADK E(P) 14 27 15.8 7434 176

AUG 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
28	14 30	22.00	55.24 N 157.43 W	DEPTH = 39.0 KM		MB = 3.8	TELESEISMIC SOLUTION			
ALASKA PENINSULA										
28	ASD	EP	14 33 44.5	6.3	.2		1600	65		TELE
28	ASB	EP	14 33 45.0	18.6	.3		1607	65		
28	AND	EP	14 33 46.2				1616	66		
28	ASC	EP	14 33 46.3				1608	66		
28	ANA	EP	14 33 49.0				1632	66		
.....										
28	14 54	40.48	51.35 N 179.26 E	DEPTH = 31.6 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
28	ASD	IPGD	14 54 45.6				6	245	-.1	NICE LOCAL
28	ASB	IPGD	14 54 45.7	504.3	.2		1	136	.1	
		S	14 54 49.3						-.1	
28	ASC	IPGD	14 54 46.3				14	152	.2	
28	AND	IPGC	14 54 47.6				32	138	-.1	
28	ANA	IPG	14 54 50.2				51	126	-.0	
.....										
28	ASD	EP	15 32 3.2	1.1	.1					
		E(S)	15 32 24.1							
28	ASB	EP	15 32 3.5	1.6	.1					
28	ASC	EP	15 32 3.5							
28	ANA	EP	15 32 3.8							
28	ASD	EP	17 56 20.0	1.0	.1					VERY EMERGENT
		ES	17 56 43.0							
28	ASB	EP	17 56 20.8							POOR
28	ASC	EP	17 56 21.0							
28	ANA	EP	17 56 23.7							
28	ASB	EP	18 31 41.0	10.2	.4					
28	ASD	EP	18 31 41.7	18.1	.4					TELE
28	ASD	EP	19 08 35.0	3.1	.1					POOR, EMERGENT
28	ASB	EP	19 08 35.9	4.9	.1					
		E(S)	19 09 10.8							
28	ASC	EP	19 08 37.2							
28	ANA	EP	19 08 40.9							
28	ADK	IP D	19 09 .6							
		IS	19 09 8.8							
28	ASD	EP	20 46 22.3							POOR, EMERGENT
		E(S)	20 46 44.1							
28	ASB	EP	20 46 22.7							
28	ASC	EP	20 46 23.5							
28	ADK	IP	21 40 45.4							
		IS	21 40 53.0							
28	ASD	EP	21 41 14.3	1.8	.1					
28	ASB	EP	21 41 15.3	2.0	.1					
		ES	21 41 45.5							
28	ASC	EP	21 41 16.0							
28	ANA	EP	21 41 20.1							
.....										
28	21 59	16.77	52.05 N 179.38 E	DEPTH = 167.3 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
28	AND	IP C	21 59 40.4				62	28	-.0	
28	ASC	EP	21 59 40.7				67	13	.0	
28	ANA	IP C	21 59 40.7				68	46	-.0	
28	ASD	IP D	21 59 41.0	12.5	.1		75	2	-.1	
		I	21 59 59.5							
28	ASB	IP D	21 59 41.2	6.7	.1		77	7	.0	

AUG 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
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		ES	21 59 59.0						-0.0	
--	--	----	------------	--	--	--	--	--	------	--

28	22 8 10.91	51.26 N 178.83 E	DEPTH = 29.6 KM	FREE DEPTH SOLUTION
		RAT ISLANDS, ALEUTIAN ISLANDS		

28	ASB	EPG	22 08 17.9	1.7	.1	.35	31	249	.0	
		IS	22 08 23.0						.0	
28	ASC	EPG	22 08 18.3				32	226	.2	
		ES	22 08 23.6						.3	
28	AND	EPG	22 08 18.3				35	194	-.1	
		IS	22 08 23.7						-.1	
28	ASD	EPG	22 08 18.7				38	250	-.0	LOCAL
		ES	22 08 24.0						-.4	
28	ANA	EPG	22 08 19.3				43	164	-.1	

28	ASB	EP	22 10 30.7							
		ES	22 10 48.6							
28	ASC	EP	22 10 31.3							
28	ASD	EP	22 10 31.6	1.5	.1					
		ES	22 10 49.8							

28	22 49 37.50	51.49 N 178.06 E	DEPTH = 55.6 KM	FREE DEPTH SOLUTION
		RAT ISLANDS, ALEUTIAN ISLANDS		

28	ANA	EP	22 49 48.2				44	250	-.0	
		IS	22 49 56.0						-.0	
28	AND	EP	22 49 50.0				62	263	-.0	
28	ASD	EP	22 49 53.1				90	278	-.0	

28	ANA	IPN	22 57 50.6							
		IPG	22 57 53.5							
		IS	22 58 12.0							
28	AND	EP	22 57 53.8							
28	ASC	EP	22 57 55.4							
28	ASB	EP	22 57 56.6	2.2	.1					
28	ASD	EP	22 57 57.0	2.5	.1					

29	ANA	EP	01 49 21.9							
29	ASC	EP	01 49 24.5							
29	ASB	EP	01 49 24.6	6.1	.4					
29	ASD	EP	01 49 25.2	10.1	.4					

29	2 10 41.88	51.53 N 179.13 W	DEPTH = 100.0 KM	FIXED DEPTH SOLUTION
		DELAROF ISLANDS, ALEUTIAN ISLANDS		

29	ASD	IP C	02 11 2.0	2.9	.1		107	80	-.0	
		IS	02 11 16.8						.0	
29	ASB	IP D	02 11 2.7	2.6	.1		114	80	-.0	
29	ASC	IP D	02 11 3.2				118	86	.1	
		IS	02 11 18.6						-.0	
29	ANA	EP	02 11 6.8				153	93	-.0	

29	4 55 37.75	52.20 N 178.37 E	DEPTH = 150.0 KM	FIXED DEPTH SOLUTION
		RAT ISLANDS, ALEUTIAN ISLANDS		

29	ANA	IP	04 55 59.7				67	343	.0	
		ES	04 56 15.7						-.0	
29	AND	EP	04 56 .4				82	331	-.1	
29	ASC	EP	04 56 2.0				99	327	.3	
29	ASD	EP	04 56 2.6	1.3	.1		114	324	-.2	
29	ASB	EP	04 56 2.7				111	328	.1	

AUG 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
29	ASD	EP	05 18 4.9	2.1	.2					
		ES	05 18 21.2							
29	ASB	EP	05 18 6.0	2.8	.2					
		ES	05 18 23.2							
29	ASC	EP	05 18 6.8							
29	AND	EP	05 18 7.0							QP
29	ANA	EP	05 18 10.9							VERY POOR
29	ASD	EP	05 36 10.5							V.POOR,EMERGENT
		E(S)	05 36 29.9							

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29	8 19 27.16	52.77 N	179.47 W	DEPTH = 50.0 KM	FIXED DEPTH SOLUTION					
DELAROF ISLANDS, ALEUTIAN ISLANDS										
29	ASD	EP	08 19 52.9	1.1	.1	2.95	176	27	-.2	
29	ANA	IP	08 19 53.7				181	44	-.0	
		ES	08 20 13.1						-.0	
29	ASB	EP	08 19 53.9	.9	.1		180	29	.2	

.....

29	ASD	EP	09 19 4.3	1.3	.1					QP
		ES	09 19 25.3							
29	ADK	EP	10 48 38.6							
		ES	10 48 54.7							
29	ANA	IP C	11 11 3.5							
		IS	11 11 20.5							
29	AND	EP	11 11 5.9							
		ES	11 11 24.4							
29	ASD	EP	11 11 10.2	1.4	.1					
29	ASC	EP	11 11 8.5							
29	ASD	EP	11 48 34.5							
		IP	11 48 35.6	9.4	.1					
		ES	11 48 53.0							
29	ASB	EP	11 48 35.1	8.1	.1					
		ES	11 48 54.1							
29	ASC	EP	11 48 36.6							
		IP	11 48 37.9							
29	AND	EP	11 48 39.1							
29	ANA	EP	11 48 41.8							
		IP	11 48 43.3							
		IP	11 48 45.1							
29	ASD	IP C	12 57 38.8	8.8	.1					
29	ASB	IP C	12 57 39.3	5.9	.1					
		ES	12 57 50.6							
29	ASC	EP	12 57 41.2							
29	AND	EP	12 57 43.3							
		ES	12 57 57.9							
29	ANA	EP	12 57 46.7							

.....

29	14 11 25.22	51.22 N	178.51 E	DEPTH = 31.4 KM	FREE DEPTH SOLUTION					
RAT ISLANDS, ALEUTIAN ISLANDS										
29	ANA	IPGD	14 11 34.3				47	193	-.0	
29	AND	IPGD	14 11 34.6				49	219	-.1	
		ES	14 11 41.6						.1	
29	ASB	IPGC	14 11 35.3	53.5	.2	2.43	54	253	.0	
		IS	14 11 42.6						.0	
29	ASC	IPG	14 11 35.4				53	239	.2	
29	ASD	IPGC	14 11 36.1	16.4	.1	2.41	60	253	-.1	NICE LOCAL
		IS	14 11 44.1						-.1	

.....

AUG 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
29	14 59	22.60	51.10 N 135.26 E	DEPTH =		33.0 KM	MB = 5.4	TELESEISMIC SOLUTION		
EASTERN RUSSIA										
29	ASC	EP	15 05 4.0			3020	287			
29	ASB	EP	15 05 4.7	4.4	.4	3029	287			
29	ASD	EP	15 05 5.1	6.9	.4	3035	287	TELE		
.....										
29	ANA	EP	15 12 15.1							
		E(S)	15 12 50.7							
29	ASB	EP	15 12 19.0	V. POOR, EMERGENT						
29	ASC	EP	15 12 19.2							
29	ASC	EP	20 07 51.0							
29	ASD	EP	20 07 51.1	1.3	.1	POOR				
29	ASB	EP	20 07 51.3	1.4	.1	NO S VISIBLE				
29	ANA	EP	20 07 52.3							
.....										
29	20 35	53.49	51.49 N 179.32 W	DEPTH =		25.0 KM	FIXED DEPTH SOLUTION			
DELAROF ISLANDS, ALEUTIAN ISLANDS										
29	ASD	IPGC	20 36 9.0	84.0	.1	3.82	94	82	-.0	
		ES	20 36 20.1							
29	ASB	EPG	20 36 9.9	150.7	.1	4.18	100	81	-.1	
		IS	20 36 21.9							
29	ASC	IPGC	20 36 11.1							
29	AND	IP D	20 36 13.2							
		ES	20 36 27.0							
29	ANA	IPND	20 36 15.9							
		IP	20 36 16.3							
29	ADK	EP	20 36 23.7							
		ES	20 36 44.0							
.....										
29	ADK	EP	20 43 6.6							
		IS	20 43 15.5							
.....										
29	20 54	15.14	51.64 N 179.87 W	DEPTH =		91.0 KM	FREE DEPTH SOLUTION			
DELAROF ISLANDS, ALEUTIAN ISLANDS										
29	ASD	IP D	20 54 30.5	13.2	.1		62	62	-.0	
		IS	20 54 41.7							
29	ASB	IP D	20 54 31.0	28.8	.1		69	63	-.1	
		IS	20 54 42.7							
29	ASC	IP D	20 54 31.3							
29	AND	IP D	20 54 32.1							
29	ANA	IP	20 54 34.1							
.....										
29	ADK	IP D	21 06 8.0							
		IS	21 06 16.9							
.....										
29	21 47	9.74	52.39 N 179.15 W	DEPTH =		125.0 KM	FIXED DEPTH SOLUTION			
DELAROF ISLANDS, ALEUTIAN ISLANDS										
29	ASD	EP	21 47 36.3							
		E(S)	21 47 55.7							
29	ASB	EP	21 47 36.9							
29	ANA	EP	21 47 38.3							
.....										

AUG 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
30	0 16	36.50	52.05 N 179.71 W	DEPTH = 84.0 KM MB = 5.0			TELESEISMIC SOLUTION			
DEJAROF ISLANDS, ALEUTIAN ISLANDS										
30	ASD	IPG	00 16 54.0				99	41	-.7	ALL CHANNELS
30	ASB	IPG	00 16 54.8				105	43	-.5	OVERLOADED.
30	ASC	IPG	00 16 54.8				101	50	-.1	SCALED FROM
30	AND	IPG	00 16 56.1				107	59	.6	BRUSH RECORD.
30	ANA	IPG	00 16 58.0				121	67	.9	
30	ADK	IP C	00 17 8.0				216	276	-.0	
		IS	00 17 31.5						.5	
.....										
30	0 38	40.10	52.09 N 159.65 E	DEPTH = 33.0 KM MB = 5.2			TELESEISMIC SOLUTION			
OFF EAST COAST OF KAMCHATKA										
30	ANA	EP	00 41 27.2				1308	280		REGIONAL
		ES	00 43 30.0							
30	AND	EP	00 41 30.2				1330	280		
		ES	00 43 35.1							
30	ASC	EP	00 41 32.1				1346	281		
30	ASB	EP	00 41 33.4				1354	281		
30	ASD	EP	00 41 33.8				1360	281		
30	ADK	EP	00 42 1.0				1627	280		
.....										
30	1 50	4.84	51.72 N 179.56 E	DEPTH = 121.2 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
30	ASD	IPGD	01 50 22.1	3.6	.1		41	22	-.2	
		ES	01 50 35.0						.0	
30	ASC	EPG	01 50 22.3				40	44	.1	
30	ASB	IPGC	01 50 22.5	5.4	.1		46	28	.0	
30	ANA	EPG	01 50 23.4				63	80	-.0	
		ES	01 50 36.9						-.0	
.....										
30	3 10	59.15	52.52 N 179.96 W	DEPTH = 75.0 KM			FIXED DEPTH SOLUTION			
DEJAROF ISLANDS, ALEUTIAN ISLANDS										
30	ASC	EP	03 11 20.6				132	27	.1	
30	ASD	EP	03 11 20.7	2.4	.1		136	20	-.2	
		ES	03 11 37.1						.3	
30	ANA	EP	03 11 21.1				137	43	.1	
		ES	03 11 36.9						-.1	
30	ASB	EP	03 11 21.4				140	23	.0	
		ES	03 11 37.4						-.2	
.....										
30	4 2	32.07	51.42 N 178.80 E	DEPTH = 41.2 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
30	AND	EPG	04 02 39.3				19	213	-.1	
30	ANA	EPG	04 02 39.8				25	157	-.0	
30	ASC	EPG	04 02 40.0				26	259	.2	
30	ASB	EPG	04 02 40.4				32	282	.0	
		ES	04 02 46.4						-.0	
30	ASD	EPG	04 02 40.9	1.7	.1	.66	38	277	-.1	
		ES	04 02 47.5						-.0	
.....										
30	ASD	EPG	05 40 4.0				VERY POOR			
		ES	05 40 17.1							
30	ASB	EPG	05 40 5.7							
30	ASC	EPG	05 40 7.1							

AUG 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
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30	AND	EPG	05 40 9.2							
30	ANA	EPG	05 40 13.1							

30	7 14 33.28	51.61 N 177.61 E DEPTH = 75.0 KM				FIXED DEPTH SOLUTION				
RAT ISLANDS, ALEUTIAN ISLANDS										
30	ANA	IPGD	07 14 48.4				72	269	.2	
		IS	07 14 59.2						.2	
30	AND	IPGD	07 14 50.1				93	274	-.1	
		ES	07 15 1.8						-.8	
30	ASC	EPG	07 14 51.9				109	279	-.0	
		ES	07 15 6.2						.6	
30	ASB	EPG	07 14 52.8	2.3	.1		117	284	-.0	
30	ASD	EPG	07 14 53.4	1.5	.1		122	283	-.1	

30	8 1 32.97	51.87 N 178.51 E DEPTH = 126.4 KM				FREE DEPTH SOLUTION				
RAT ISLANDS, ALEUTIAN ISLANDS										
30	ANA	IP C	08 01 50.5				29	339	-.1	
		IS	08 02 3.5						.1	
30	AND	IP D	08 01 51.2				46	318	.0	
		IS	08 02 4.3						-.2	
30	ASC	IP	08 01 52.4				64	315	.2	
30	ASB	IP	08 01 52.9	5.3	.1		76	318	-.0	
		IS	08 02 7.5						-.0	
30	ASD	IP D	08 01 53.0	11.2	.1		79	314	-.2	
		IS	08 02 8.0						.1	

30	ADK	IP C	08 15 3.9							
		IS	08 15 14.1							

30	ASD	EPN	09 58 4.2	2.4	.1					NO S VISIBLE.
30	ASB	EPN	09 58 4.8	3.2	.1					
30	ASC	EPN	09 58 5.8							
30	ANA	EPN	09 58 8.4							

30	10 16 49.17	51.27 N 179.93 E DEPTH = 39.8 KM				FREE DEPTH SOLUTION				
RAT ISLANDS, ALEUTIAN ISLANDS										
30	ASD	EPG	10 16 58.4	1.7	.1	.85	43	106	-.1	
		ES	10 17 5.4						.1	
30	ASB	IPG	10 16 59.3	5.3	.1	1.56	49	101	.1	
		ES	10 17 6.4						-.1	
30	ASC	IPG	10 17 .3				57	111	-.0	

30	12 15 53.72	51.44 N 179.76 E DEPTH = 55.8 KM				FREE DEPTH SOLUTION				
RAT ISLANDS, ALEUTIAN ISLANDS										
30	ASD	IPG	12 16 3.2	3.4	.1		30	75	-.1	
		IS	12 16 10.3						.1	
30	ASB	EPG	12 16 3.7	2.8	.1		37	75	-.1	
		IS	12 16 11.2						.1	
30	ASC	EPG	12 16 4.3				41	93	.1	
		IS	12 16 11.6						-.2	

30	ASD	EPN	12 50 21.9							SMALL. NO S.
30	ASB	EPN	12 50 22.7							
30	ASC	EPN	12 50 23.4							
30	AND	EPN	12 50 27.3							
30	ANA	EPN	12 50 30.4							

AUG 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
30	ADK	IP D	15 38 20.3							
		IS	15 38 27.7							
30	ASD	EP	15 38 52.2							OP VERY EMERG.
		ES	15 39 33.4							
30	ASB	EP	15 38 53.1							
		ES	15 39 33.9							
.....										
30	15 51	7.69	50.74 N	180.00 W	DEPTH = 25.0 KM					FIXED DEPTH SOLUTION
			DELAROF ISLANDS, ALEUTIAN ISLANDS							
30	ASD	EPN	15 51 21.7				85	147	-.3	
		IPG	15 51 23.0	6.2	.2	2.23				
		ES	15 51 32.1						-.2	
30	ASB	EPN	15 51 22.3				87	142	-.0	
30	ASC	EPN	15 51 24.3				100	144	.1	
		ES	15 51 37.2						1.0	
30	AND	EPN	15 51 26.8				118	141	-.0	
		IS	15 51 40.1						-.7	
30	ANA	EPN	15 51 29.8				136	136	-.2	
		ES	15 51 45.5						-.1	
.....										
30	ANA	IPN	15 58 32.3							
		IS	15 58 52.8							
30	AND	IPN	15 58 34.2							
		ES	15 58 54.9							
30	ASC	EPN	15 58 36.3							
30	ASD	EPN	15 58 37.3	1.7	.1					
		ES	15 59 1.1							
.....										
30	16 7	1.83	51.55 N	178.31 E	DEPTH = 71.7 KM					FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
30	ANA	IPG	16 07 13.1				26	250	.2	
		IS	16 07 20.6						-.3	
30	AND	IPG	16 07 14.0				45	268	-.0	
		IS	16 07 22.8						-.1	
30	ASC	IPG	16 07 15.4				60	279	.1	
		IS	16 07 25.6						.5	
30	ASB	IPG	16 07 16.0	9.5	.1		68	288	-.1	
		ES	16 07 26.6						.2	
30	ASD	IPG	16 07 16.4	22.3	.1		74	285	-.2	
		IS	16 07 27.2						-.2	
.....										
30	ASD	EPN	16 36 10.6	6.0	.1					
		IS	16 36 49.5							
30	ASB	EPN	16 36 11.1	5.1	.1					
30	ASC	IPN	16 36 11.8							
		ES	16 36 51.4							
30	AND	EPN	16 36 12.4							
30	ANA	EPN	16 36 14.3							
		ES	16 36 57.3							
.....										
30	17 46	9.00	52.38 N	151.60 E	DEPTH = 645.0 KM	MB = 6.6				TELESEISMIC SOLUTION
			SEA OF OKHOTSK							
30	ANA	IP C	17 49 31.0				1851	283		LARGE REGIONAL.
30	AND	IP D	17 49 32.6				1873	284		
		LR	17 59 57.6							
30	ASC	IP	17 49 34.1				1890	284		
30	ASB	IP C	17 49 34.5				1898	284		
		ES	17 52 20.1							
		LR	17 59 57.5							
30	ASD	IP C	17 49 35.1				1904	284		
30	ADK	IP	17 49 53.0				2164	284		

AUG 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
		IS	17 52 33.0							
30	ASD	EP	18 26 32.2	1.5	.1					
		ES	18 26 55.5							
30	ASB	EP	18 26 33.6							
30	ASC	EP	18 26 34.8							
30	ANA	EP	18 26 40.2							
30	19 16 38.09		51.77 N 179.69 E DEPTH = 184.8 KM							FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
30	ASD	EP	19 17 3.2	2.1	.1		50	29	-.1	
		ES	19 17 21.7						-.0	
30	ASC	IP	19 17 3.6				50	46	.3	
		IS	19 17 21.6						-.1	
30	ASB	IP	19 17 3.7				55	34	.2	
		ES	19 17 21.9						-.2	
30	ANA	EP	19 17 3.9				73	77	-.4	
		ES	19 17 23.7						.3	
30	ASD	EPN	19 55 39.8							NO S.
30	ASB	EPN	19 55 40.4							
30	ASC	EPN	19 55 43.1							
30	20 7 22.91		51.22 N 178.64 E DEPTH = 25.0 KM							FIXED DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
30	ANA	EPG	20 07 31.3				45	182	-.0	
30	ASC	EPG	20 07 31.4				45	234	.0	
		ES	20 07 37.6						.1	
30	ASD	EPG	20 07 32.3	2.8	.1	1.38	52	251	.0	
		ES	20 07 39.0						-.1	
30	20 36 19.20		52.14 N 159.71 E DEPTH = 33.0 KM MB = 4.6							TELESEISMIC SOLUTION
			OFF EAST COAST OF KAMCHATKA							
30	ANA	EP	20 39 6.3				1304	280		NO S.
30	ASC	EP	20 39 10.5				1341	281		
30	ASB	EP	20 39 11.7				1349	281		
30	ASD	EP	20 39 12.5				1355	281		
30	20 47 7.60		52.75 N 177.65 W DEPTH = 227.0 KM MB = 4.4							TELESEISMIC SOLUTION
			ANDREANOF ISLANDS, ALEUTIAN IS.							
30	ADK	IP	20 47 40.2				121	323	-.9	
		IS	20 48 5.6						.1	
30	ASD	IP C	20 47 51.3				256	52	-.6	OVERLOAD ON ALL
		IS	20 48 23.4						-.9	
30	ASB	IP D	20 47 52.1				263	53	-.4	LEVELS.
		IS	20 48 24.2						-1.2	
30	ASC	IP	20 47 52.2				261	55	-.1	
30	AND	IP	20 47 52.8				267	59	-.1	
30	ANA	IP C	20 47 54.4				281	62	.1	
30	ADK	EP	21 11 51.9							
		ES	21 12 16.9							
30	ASD	EPN	21 11 59.1							
		IPG	21 12 1.7	2.5	.1					
30	ASB	EPN	21 12 1.3							
		IPG	21 12 3.5	3.1	.1					

AUG 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
30	ASC	EPN	21 12 2.2							
30	ANA	EPN	21 12 7.6							
30	ANA	IPG	22 28 25.1							
		IS	22 28 26.9							
30	ASB	EPG	22 28 26.7	6.5	.1					
		IS	22 28 29.8							
30	ASD	EPG	22 28 27.5	2.4	.1					
		IS	22 28 30.4							
30	ADK	IP C	23 02 16.5							
		IS	23 02 30.4							
30	ASD	IPN	23 02 25.1	30.4	.2					
		IS	23 02 49.1							
30	ASB	EPN	23 02 26.9	8.8	.1					
		ES	23 02 50.6							
30	ASC	EPN	23 02 27.4							
30	ANA	EPN	23 02 32.9							
		ES	23 02 54.3							

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31	0 29 33.71	51.93 N 179.31 W	DEPTH = 75.0 KM	FIXED DEPTH SOLUTION						
DELAROF ISLANDS, ALEUTIAN ISLANDS										
31	ASD	IPG	00 29 52.7	2.5	.1		112	56	-.0	
		IS	00 30 6.7						.1	
31	ASB	IPG	00 29 53.5	2.3	.1		118	57	.0	
		IS	00 30 7.8						-.1	
31	ANA	EPG	00 29 56.4				144	75	.0	

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31	ASD	IPG	00 36 14.2	40.2	.1					LARGE LOCAL
		IS	00 36 30.2							
31	ASB	EPG	00 36 15.0	54.5	.1					
		IS	00 36 32.1							
31	ADK	IP D	00 36 15.7							
		IS	00 36 32.3							
31	ASC	EPG	00 36 16.2							
31	AND	IPG	00 36 19.1							
31	ANA	EPG	00 36 22.0							

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31	1 59 33.87	51.21 N 179.59 W	DEPTH = 125.0 KM	FIXED DEPTH SOLUTION						
DELAROF ISLANDS, ALEUTIAN ISLANDS										
31	ASD	IPGC	01 59 53.1	2.1	.1		77	103	-.6	
		IS	02 00 7.6						-.6	
31	ASB	EPG	01 59 54.3	6.5	.1		83	101	.1	
		IS	02 00 9.6						.6	
31	ASC	EPG	01 59 55.4				91	107	.6	
31	ANA	EPG	01 59 58.2				130	110	.0	
		IS	02 00 15.8						-.1	

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31	2 3 38.59	51.22 N 179.46 E	DEPTH = 53.5 KM	FREE DEPTH SOLUTION						
RAT ISLANDS, ALEUTIAN ISLANDS										
31	ASD	IPG	02 03 47.2				19	156	-.0	
		ES	02 03 53.6						.0	
31	ASB	EPG	02 03 47.4				21	137	.0	
		ES	02 03 53.7						-.0	
31	ASC	EPG	02 03 48.2				34	143	-.0	

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31	ASD	EPN	05 10 40.6							
		ES	05 10 56.8							
31	ASB	EPN	05 10 42.2							
31	ASC	EPN	05 10 43.3							

AUG 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
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31	6 24	25.67	52.00 N 179.27 W	DEPTH = 25.0 KM		FIXED DEPTH SOLUTION				
DELAROF ISLANDS, ALEUTIAN ISLANDS										

31	ASD	IP	06 24 44.4	2.1	.1	2.59	118	54	-.5	
		ES	06 24 58.8						-.1	
31	ASB	IP	06 24 45.9	5.0	.1	3.05	125	55	.0	
		ES	06 25 .8						.2	
31	AND	EP	06 24 46.5				132	68	-.4	
		ES	06 25 2.3						-.1	
31	ASC	EP	06 24 46.6				123	60	.9	
31	ANA	EP	06 24 49.5				148	73	.1	

31	ANA	EPN	07 11 14.4	VERY EMERGENT.						
		IS	07 11 49.2							
31	AND	EPN	07 11 16.8							
		IS	07 11 53.4							
31	ASB	EPN	07 11 18.3							
		ES	07 11 55.3							
31	ASC	EPN	07 11 18.9							
31	ASD	EPN	07 11 19.1							
		ES	07 11 57.4							

31	8 20	34.41	50.49 N 178.53 E	DEPTH = 0.0 KM		FIXED DEPTH SOLUTION				
RAT ISLANDS, ALEUTIAN ISLANDS										

31	ASD	EPG	08 20 53.2	1.7	.1	2.44	114	210	-.9	
		ES	08 21 5.7						-2.8	
31	ASB	EPG	08 20 54.0	2.3	.1	2.51	109	208	.6	
		ES	08 21 7.1						-.1	
31	AND	IPG	08 20 55.0				123	194	-.5	
31	ASC	EPG	08 20 55.4				117	203	.8	
		ES	08 21 9.4						.1	

31	9 1	19.23	51.97 N 179.21 W	DEPTH = 25.0 KM		FIXED DEPTH SOLUTION				
DELAROF ISLANDS, ALEUTIAN ISLANDS										

31	ASD	IPGD	09 01 38.7	10.6	.1	3.31	120	56	.0	
		IS	09 01 52.6						-.2	
31	ASB	EPG	09 01 39.7	40.4	.1	3.98	126	57	.0	
		IS	09 01 54.4						-.1	
31	ASC	EPG	09 01 39.7				125	63	.2	
		IS	09 01 54.9						.6	
31	AND	IPG	09 01 40.7				134	70	-.2	
		IS	09 01 56.1						-.5	
31	ANA	IPG	09 01 43.4				151	75	-.0	
		IS	09 02 1.4						.3	

31	9 20	51.91	51.96 N 179.24 W	DEPTH = 25.0 KM		FIXED DEPTH SOLUTION				
DELAROF ISLANDS, ALEUTIAN ISLANDS										

31	ASD	IPGD	09 21 11.0	10.2	.1	3.27	118	56	-.0	
		IS	09 21 24.9						-.1	
31	ASC	EPG	09 21 12.0				123	62	.1	
31	ASB	IPG	09 21 12.1	27.9	.1	3.79	124	57	.1	
		IS	09 21 26.8						.1	
31	AND	IPGD	09 21 13.1				132	70	-.1	
		ES	09 21 28.4						-.3	
31	ANA	EPG	09 21 15.8				149	75	.0	
		IS	09 21 33.5						.3	

AUG 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
31	10-23	44.60	51.47 N 179.76 E	DEPTH = 68.8 KM				FREE DEPTH SOLUTION		
RAT ISLANDS, ALEUTIAN ISLANDS										
31	ASD	EPG	10 23 55.7				31	70	.1	SMALL AMP.
		ES	10 24 3.4						-.2	
31	ASB	EPG	10 23 55.9				37	71	-.1	
		ES	10 24 4.4						.1	
31	ASC	EPG	10 23 56.2				41	89	-.1	
		ES	10 24 4.8						.0	
31	ASD	EPN	12 59 43.7							SMALL
		ES	13 00 .2							
31	ASB	EPN	12 59 44.9							
		IS	13 00 1.5							
31	ASC	EPN	12 59 46.3							
		ES	13 00 13.6							
31	ASD	IPG	15 21 44.9	2.7	.1					POOR S.
		ES	15 21 54.8							
31	ASB	IPG	15 21 46.1							
31	ASC	EPG	15 21 47.4							
		ES	15 22 .2							
31	ANA	EPN	16 01 14.2							
		ES	16 01 48.6							
31	ASC	EPN	16 01 17.8							
31	ASB	EPN	16 01 18.2							
		ES	16 01 55.9							
31	ASD	EPN	16 01 20.1							
		ES	16 01 57.4							
31	ADK	IP C	16 40 8.3							
		IS	16 40 30.1							
31	ASD	EPN	16 40 47.2							UNCERTAIN S.
		E(S)	16 40 59.9							
31	ASB	EPN	16 40 48.3							
		E	16 41 .6							
31	ASC	EPN	16 40 50.0							
31	AND	IPN	16 40 53.1							
31	ANA	IPN	16 40 53.1							
31	ADK	IP	16 45 14.6							
		IS	16 45 22.4							
31	ASD	IP	16 45 39.3	4.2	.1					
		IS	16 46 5.1							
31	ASB	IP D	16 45 40.3	9.4	.1					
		IS	16 46 7.0							
31	ASC	IP D	16 45 41.2							
31	AND	IP	16 45 43.7							
31	ANA	IP D	16 45 45.4							
		IS	16 46 16.1							
31	19-20	2.48	50.75 N 179.95 E	DEPTH = 50.0 KM				FIXED DEPTH SOLUTION		
RAT ISLANDS, ALEUTIAN ISLANDS										
31	ASD	IPG	19 20 16.7	3.4	.1	2.20	82	148	-.2	
		ES	19 20 24.7						-2.8	
31	ASB	EPG	19 20 17.2				84	144	-.0	
		ES</								

AUG 1970	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
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. 31	20 46	6.56	51.46 N 179.59 W	DEPTH = 64.5 KM			FREE DEPTH SOLUTION			
DEAROF ISLANDS, ALEUTIAN ISLANDS										
. 31	ASD	EPG	20 46 20.9	3.8	.1		75	82	-.0	
		IS	20 46 31.2						-.2	
. 31	ASB	EPG	20 46 21.6	7.0	.1		81	82	-.0	
		ES	20 46 32.8						.1	
. 31	ASC	EPG	20 46 22.4				86	90	.2	
. 31	ANA	EPG	20 46 26.2				122	98	-.1	
		ES	20 46 40.8						.1	
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. 31	22 39	39.09	51.19 N 178.21 E	DEPTH = 25.0 KM			FIXED DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
. 31	ANA	IPG	22 39 49.5				58	213	.0	SMALL AMP AT
. 31	AND	IPG	22 39 50.5				67	231	-.2	ASD + ASB.
. 31	ASC	EPG	22 39 51.9				74	246	.2	
. 31	ASB	EPG	22 39 51.9				75	255	.0	
		ES	22 40 1.4						.2	
. 31	ASD	EPG	22 39 52.8				82	255	-.1	
		ES	22 40 2.8						-.2	
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AUG 1970	ORIGIN TIME (GHT)	LAT	LONG	DEPTH* (KM)	MB	MS	GEOGRAPHIC REGION
01	20 37 14.85	52.39 N	179.98 W	125.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
02	5 24 25.93	50.76 N	179.70 W	25.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
02	7 50 17.37	50.56 N	179.32 E	0.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
02	9 1 5.40	51.70 N	176.88 W	52.0 T	4.0		ANDREANOF ISLANDS, ALEUTIAN IS.
02	15 27 37.71	51.71 N	178.66 E	200.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
02	18 52 49.75	51.67 N	179.73 W	65.3 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
02	21 49 24.25	50.91 N	178.64 E	0.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
03	0 33 54.30	15.93 S	173.94 W	120.0 T	5.4		TONGA ISLANDS
03	7 1 11.90	7.93 S	158.72 E	67.0 T	5.9		SOLOMON ISLANDS
03	8 24 1.00	51.64 N	177.77 E	125.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
03	9 59 6.03	51.32 N	179.99 W	25.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
03	10 39 36.12	51.91 N	179.40 W	75.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
03	11 25 1.16	51.74 N	179.45 W	100.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
03	16 42 15.90	51.20 N	178.41 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
03	22 30 2.50	2.60 N	97.98 E	38.0 T	5.9		NORTHERN SUMATRA
04	3 25 7.24	51.08 N	178.97 E	16.1 F			RAT ISLANDS, ALEUTIAN ISLANDS
04	4 32 12.54	51.15 N	178.98 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
04	9 41 51.75	50.98 N	178.09 E	75.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
04	11 29 59.60	53.33 N	166.86 W	46.0 T	4.8		FOX ISLANDS, ALEUTIAN ISLANDS
04	17 57 1.84	51.44 N	179.58 W	50.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
04	18 41 13.66	51.10 N	179.11 E	19.4 F			RAT ISLANDS, ALEUTIAN ISLANDS
04	22 24 55.94	51.29 N	179.19 W	25.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
05	3 9 8.06	52.18 N	178.51 E	50.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
05	3 30 24.81	51.70 N	178.00 E	64.3 F			RAT ISLANDS, ALEUTIAN ISLANDS
05	5 33 17.81	51.49 N	178.10 E	50.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
05	20 0 27.56	51.73 N	179.58 E	72.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
05	22 54 10.80	51.11 N	179.50 W	30.0 T	4.3		DELAROF ISLANDS, ALEUTIAN ISLANDS
05	22 57 54.20	51.03 N	179.19 E	29.7 F			RAT ISLANDS, ALEUTIAN ISLANDS
05	23 24 55.03	50.97 N	179.12 E	20.0 F			RAT ISLANDS, ALEUTIAN ISLANDS
06	3 55 44.83	51.51 N	179.89 W	83.4 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
06	4 56 23.04	51.77 N	179.99 W	163.2 F			DELAROF ISLANDS, ALEUTIAN ISLANDS

AUG 1970	ORIGIN TIME (GMT)	LAT	LONG	DEPTH* (KM)	MB	MS	GEOGRAPHIC REGION
06	6 20 48.38	51.09 N	179.83 E	28.1 F			RAT ISLANDS, ALEUTIAN ISLANDS
06	7 46 50.48	51.26 N	178.27 E	0.0 F			RAT ISLANDS, ALEUTIAN ISLANDS
06	13 48 13.75	50.89 N	179.13 W	50.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
06	14 15 2.56	52.36 N	178.30 E	200.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
06	15 8 8.75	51.29 N	178.55 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
06	15 12 54.35	51.71 N	178.01 E	105.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
06	19 22 59.95	51.95 N	179.53 E	98.0 F			RAT ISLANDS, ALEUTIAN ISLANDS
06	19 39 22.48	51.41 N	179.25 W	75.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
06	20 31 8.80	51.61 N	179.09 E	53.7 F			RAT ISLANDS, ALEUTIAN ISLANDS
06	23 26 49.82	51.05 N	177.68 E	100.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
07	1 40 1.63	50.95 N	178.83 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
07	1 58 7.66	51.46 N	179.76 W	50.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
07	2 6 13.32	51.56 N	177.51 E	125.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
07	2 16 29.44	51.82 N	178.33 E	122.1 F			RAT ISLANDS, ALEUTIAN ISLANDS
07	3 43 37.01	51.26 N	178.55 E	36.4 F			RAT ISLANDS, ALEUTIAN ISLANDS
07	3 45 6.47	51.50 N	176.95 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
07	3 48 24.84	51.31 N	178.59 E	50.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
07	3 49 18.44	51.34 N	178.67 E	24.9 F			RAT ISLANDS, ALEUTIAN ISLANDS
07	4 14 26.57	51.82 N	179.74 E	209.4 F			RAT ISLANDS, ALEUTIAN ISLANDS
07	5 38 46.49	50.83 N	177.43 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
07	7 19 8.42	51.84 N	178.08 E	77.7 F			RAT ISLANDS, ALEUTIAN ISLANDS
07	7 44 21.43	51.07 N	179.30 W	50.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
07	7 51 12.00	17.71 S	178.30 W	548.0 T	5.5		FIJI ISLANDS REGION
07	8 32 53.80	52.50 N	179.61 E	125.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
07	9 2 49.37	51.18 N	179.89 W	25.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
07	10 21 6.92	52.57 N	179.51 W	200.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
07	11 33 59.76	51.61 N	179.15 E	82.0 F			RAT ISLANDS, ALEUTIAN ISLANDS
07	13 29 26.30	4.68 S	155.14 E	500.0 T	5.1		SOLOMON ISLANDS
07	15 46 36.94	51.21 N	178.53 E	7.9 F			RAT ISLANDS, ALEUTIAN ISLANDS
07	16 25 41.87	51.42 N	179.32 E	30.5 F			RAT ISLANDS, ALEUTIAN ISLANDS
07	16 33 29.20	27.29 N	141.74 E	33.0 T	5.4	5.6	BONIN ISLANDS REGION

AUG 1970	ORIGIN TIME (GMT)	LAT	LONG	DEPTH* (KM)	MB	MS	GEOGRAPHIC REGION
07	17 23 18.03	51.09 N	179.43 E	39.0 F			RAT ISLANDS, ALEUTIAN ISLANDS
08	0 43 15.17	51.61 N	178.47 E	89.4 F			RAT ISLANDS, ALEUTIAN ISLANDS
08	4 2 25.16	51.28 N	178.58 E	37.4 F			RAT ISLANDS, ALEUTIAN ISLANDS
08	5 51 33.41	51.33 N	179.77 E	63.9 F			RAT ISLANDS, ALEUTIAN ISLANDS
08	7 26 5.34	51.88 N	179.81 E	96.8 F			RAT ISLANDS, ALEUTIAN ISLANDS
08	7 55 50.40	3.03 N	128.59 E	75.0 T	5.2		NORTH OF HALMAHERA
08	9 1 8.30	30.63 N	129.99 E	120.0 T	5.1		KYUSHU, JAPAN
08	11 54 51.75	51.90 N	179.37 E	162.9 F			RAT ISLANDS, ALEUTIAN ISLANDS
08	13 44 4.68	51.09 N	179.10 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
08	21 4 5.90	1.15 N	126.11 E	24.0 T	5.8	5.5	MOLUCCA PASSAGE
09	8 52 13.92	51.31 N	178.85 E	31.4 F			RAT ISLANDS, ALEUTIAN ISLANDS
09	10 46 34.66	51.38 N	179.18 E	69.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
09	15 42 49.47	51.11 N	178.99 E	24.4 F			RAT ISLANDS, ALEUTIAN ISLANDS
09	17 16 41.46	51.15 N	178.82 E	18.5 F			RAT ISLANDS, ALEUTIAN ISLANDS
09	19 26 1.30	51.33 N	179.25 E	42.6 F			RAT ISLANDS, ALEUTIAN ISLANDS
10	2 35 24.17	51.71 N	178.93 E	128.1 F			RAT ISLANDS, ALEUTIAN ISLANDS
10	3 11 42.60	51.44 N	178.06 E	49.3 F			RAT ISLANDS, ALEUTIAN ISLANDS
10	5 39 31.39	51.03 N	179.11 E	25.6 F			RAT ISLANDS, ALEUTIAN ISLANDS
10	7 56 57.82	51.40 N	178.79 E	39.6 F			RAT ISLANDS, ALEUTIAN ISLANDS
10	8 4 34.46	51.53 N	179.95 E	60.5 F			RAT ISLANDS, ALEUTIAN ISLANDS
10	14 37 11.57	51.31 N	179.23 W	75.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
10	15 15 19.70	13.87 S	166.79 E	46.0 T	6.0	6.4	NEW HEBRIDES ISLANDS
10	20 11 51.94	51.05 N	177.34 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
10	21 24 52.96	51.12 N	178.83 E	50.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
10	21 32 2.24	52.27 N	179.72 E	150.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
11	0 56 51.42	51.38 N	179.89 W	67.1 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
11	1 32 25.09	52.40 N	178.79 E	100.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
11	2 55 50.27	52.33 N	179.86 E	125.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
11	9 14 2.52	51.69 N	179.50 E	84.3 F			RAT ISLANDS, ALEUTIAN ISLANDS
11	9 14 50.44	51.31 N	178.71 E	48.3 F			RAT ISLANDS, ALEUTIAN ISLANDS
11	10 13 3.45	51.64 N	179.39 E	18.4 F			RAT ISLANDS, ALEUTIAN ISLANDS

AUG 1970	ORIGIN TIME (GMT)	LAT	LONG	DEPTH* (KM)	M8	MS	GEOGRAPHIC REGION
11	10 22 20.00	14.12 S	166.65 E	33.0 T	6.2	7.0	NEW HEBRIDES ISLANDS
11	12 35 47.80	51.43 N	176.22 E	3.0 T	4.2		RAT ISLANDS, ALEUTIAN ISLANDS
11	19 58 32.40	8.92 N	84.64 W	33.0 T	4.8		OFF COAST OF COSTA RICA
11	21 12 48.57	51.61 N	179.30 W	50.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
11	22 5 29.19	52.13 N	179.74 E	175.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
12	1 39 36.70	13.86 S	166.49 E	43.0 T	5.8	6.3	NEW HEBRIDES ISLANDS
12	7 0 19.56	52.09 N	178.63 W	125.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
12	7 20 33.79	50.97 N	179.54 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
12	9 24 11.50	12.01 N	86.54 W	33.0 T	5.9	6.3	NICARAGUA
12	10 24 23.90	12.05 N	86.54 W	33.0 T	5.6	5.5	NICARAGUA
12	10 41 12.90	51.36 N	179.20 W	37.0 T	4.6		DELAROF ISLANDS, ALEUTIAN ISLANDS
12	10 45 48.85	51.37 N	179.20 E	30.0 F			RAT ISLANDS, ALEUTIAN ISLANDS
12	10 49 10.32	50.82 N	179.55 W	50.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
12	11 41 24.67	52.04 N	179.63 E	154.7 F			RAT ISLANDS, ALEUTIAN ISLANDS
12	13 3 25.09	51.41 N	178.79 E	38.4 F			RAT ISLANDS, ALEUTIAN ISLANDS
12	14 14 3.24	51.14 N	178.75 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
12	16 2 16.26	51.14 N	178.56 E	0.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
12	16 7 25.42	50.83 N	179.53 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
12	18 13 14.69	51.68 N	178.77 E	55.7 F			RAT ISLANDS, ALEUTIAN ISLANDS
12	18 40 43.20	52.27 N	179.79 W	150.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
12	19 40 16.54	51.44 N	179.83 E	64.7 F			RAT ISLANDS, ALEUTIAN ISLANDS
12	20 53 27.93	51.21 N	178.63 E	30.1 F			RAT ISLANDS, ALEUTIAN ISLANDS
12	23 30 8.16	51.27 N	179.83 W	83.8 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
13	1 47 51.41	51.40 N	178.78 E	43.5 F			RAT ISLANDS, ALEUTIAN ISLANDS
13	3 2 31.98	51.22 N	178.67 E	40.4 F			RAT ISLANDS, ALEUTIAN ISLANDS
13	4 22 38.50	8.88 S	117.98 E	117.0 T	6.0		SUMBAWA ISLAND REGION
13	4 35 52.26	50.98 N	178.65 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
13	13 7 4.11	51.18 N	178.10 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
13	13 55 36.20	51.14 N	178.79 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
13	15 38 41.01	52.22 N	179.60 E	175.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
13	17 26 51.93	51.40 N	178.47 E	57.6 F			RAT ISLANDS, ALEUTIAN ISLANDS

AUG 1970	ORIGIN TIME (GMT)	LAT	LONG	DEPTH* (KM)	MB	MS	GEOGRAPHIC REGION
13	19 2 57.13	51.89 N	179.73 W	50.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
13	21 9 30.99	51.93 N	178.87 E	120.5 F			RAT ISLANDS, ALEUTIAN ISLANDS
13	23 3 40.40	51.83 N	175.51 W	63.0 T	4.1		ANDREANOF ISLANDS, ALEUTIAN IS.
14	3 39 33.50	64.89 N	147.80 W	19.0 T	5.0	5.0	CENTRAL ALASKA
14	4 52 16.35	51.52 N	179.20 W	25.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
14	7 21 40.50	50.88 N	178.49 E	38.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
14	8 6 25.22	51.46 N	178.94 E	58.0 F			RAT ISLANDS, ALEUTIAN ISLANDS
14	10 17 17.38	52.01 N	179.98 W	75.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
14	10 49 12.86	50.81 N	178.44 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
14	12 10 55.88	51.80 N	179.88 E	140.5 F			RAT ISLANDS, ALEUTIAN ISLANDS
14	12 26 47.13	51.01 N	178.43 E	50.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
14	13 27 15.90	51.31 N	177.84 E	18.8 F			RAT ISLANDS, ALEUTIAN ISLANDS
14	14 3 27.07	51.29 N	178.67 E	31.8 F			RAT ISLANDS, ALEUTIAN ISLANDS
14	17 49 47.92	50.97 N	179.57 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
14	18 14 11.51	51.81 N	178.65 E	111.6 F			RAT ISLANDS, ALEUTIAN ISLANDS
14	19 58 11.11	51.23 N	178.90 E	23.0 F			RAT ISLANDS, ALEUTIAN ISLANDS
14	20 10 17.82	51.54 N	177.35 E	73.1 F			RAT ISLANDS, ALEUTIAN ISLANDS
14	23 34 13.86	51.17 N	178.56 E	23.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
14	23 35 7.60	51.17 N	178.54 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
14	23 35 36.56	51.15 N	178.55 E	26.8 F			RAT ISLANDS, ALEUTIAN ISLANDS
14	23 44 .93	51.19 N	178.55 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
15	2 39 47.40	51.87 N	176.70 E	30.0 T	4.4		RAT ISLANDS, ALEUTIAN ISLANDS
15	5 3 39.00	52.60 N	176.21 W	218.0 T	3.2		ANDREANOF ISLANDS, ALEUTIAN IS.
15	6 11 8.39	52.14 N	179.91 W	175.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
15	6 48 37.25	51.33 N	178.71 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
15	8 33 45.49	51.37 N	179.36 E	64.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
15	10 1 11.94	51.27 N	178.66 E	54.7 F			RAT ISLANDS, ALEUTIAN ISLANDS
15	11 7 14.70	51.25 N	178.64 E	50.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
15	11 50 38.76	51.93 N	179.78 W	75.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
15	13 26 57.20	51.48 N	179.40 W	64.7 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
15	13 38 56.14	51.64 N	178.94 W	100.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS

AUG 1970	ORIGIN TIME (GMT)	LAT	LONG	DEPTH* (KM)	MB	MS	GEOGRAPHIC REGION
15	15 34 59.50	51.41 N	179.26 W	0.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
15	16 49 25.17	51.33 N	179.60 W	98.2 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
15	18 29 58.51	51.05 N	179.15 W	25.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
15	18 32 .71	51.18 N	179.57 W	50.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
15	20 51 39.94	51.23 N	179.73 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
16	1 26 11.61	51.20 N	178.78 E	24.7 F			RAT ISLANDS, ALEUTIAN ISLANDS
16	3 49 39.70	5.15 S	152.58 E	68.0 T	5.2		NEW BRITAIN REGION
16	9 44 4.80	52.98 N	174.63 W	190.0 T	4.3		ANDREANOF ISLANDS, ALEUTIAN IS.
16	10 58 51.85	51.52 N	179.10 E	79.1 F			RAT ISLANDS, ALEUTIAN ISLANDS
16	12 3 9.37	52.14 N	178.65 E	150.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
16	12 28 40.92	52.06 N	178.69 W	50.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
16	12 44 1.24	51.33 N	179.28 E	51.8 F			RAT ISLANDS, ALEUTIAN ISLANDS
16	14 33 9.46	51.41 N	177.69 E	150.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
16	18 4 34.73	51.27 N	178.10 E	94.8 F			RAT ISLANDS, ALEUTIAN ISLANDS
16	20 29 41.86	50.82 N	178.48 E	29.6 F			RAT ISLANDS, ALEUTIAN ISLANDS
17	4 35 38.34	51.36 N	178.14 E	37.5 F			RAT ISLANDS, ALEUTIAN ISLANDS
17	4 47 41.01	50.86 N	178.43 E	12.9 F			RAT ISLANDS, ALEUTIAN ISLANDS
17	4 50 17.24	50.80 N	178.61 E	50.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
17	5 31 44.94	51.07 N	179.41 E	27.6 F			RAT ISLANDS, ALEUTIAN ISLANDS
17	8 22 35.92	50.18 N	177.73 E	50.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
17	8 33 28.62	51.11 N	179.19 W	50.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
17	10 25 37.66	51.66 N	177.85 E	75.3 F			RAT ISLANDS, ALEUTIAN ISLANDS
17	10 25 58.50	53.51 N	166.42 W	209.0 T	3.6		FOX ISLANDS, ALEUTIAN ISLANDS
17	10 29 45.71	51.48 N	179.37 W	50.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
17	15 20 39.95	51.38 N	178.80 E	40.3 F			RAT ISLANDS, ALEUTIAN ISLANDS
17	15 32 29.20	51.14 N	178.87 E	34.8 F			RAT ISLANDS, ALEUTIAN ISLANDS
17	20 40 17.59	51.03 N	179.53 E	0.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
17	21 29 27.91	52.56 N	179.32 W	200.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
17	23 2 47.29	51.49 N	179.66 E	85.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
17	23 9 11.03	51.95 N	179.07 E	158.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
18	3 40 55.00	51.54 N	179.32 W	50.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS

AUG 1970	ORIGIN TIME (GMT)	LAT	LONG	DEPTH* (KM)	MB	MS	GEOGRAPHIC REGION
18	3 41 36.44	50.99 N	177.76 E	50.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
18	5 11 53.58	51.27 N	179.59 W	75.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
18	5 14 51.27	50.81 N	178.42 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
19	4 51 56.50	50.31 N	179.72 E	33.0 T	4.1		RAT ISLANDS, ALEUTIAN ISLANDS
19	6 41 52.32	51.53 N	179.69 W	75.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
19	7 20 45.65	51.65 N	179.29 E	70.5 F			RAT ISLANDS, ALEUTIAN ISLANDS
19	23 2 35.31	51.43 N	179.23 W	100.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
20	4 45 24.15	51.21 N	179.82 W	94.5 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
20	6 9 59.73	51.82 N	179.06 E	75.6 F			RAT ISLANDS, ALEUTIAN ISLANDS
20	10 8 25.58	51.56 N	179.79 E	69.4 F			RAT ISLANDS, ALEUTIAN ISLANDS
20	11 31 26.77	51.58 N	179.57 E	85.0 F			RAT ISLANDS, ALEUTIAN ISLANDS
20	13 41 12.00	51.59 N	179.76 E	50.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
20	14 2 54.33	51.50 N	177.73 E	50.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
20	18 34 49.92	52.09 N	179.63 E	169.0 F			RAT ISLANDS, ALEUTIAN ISLANDS
20	21 39 3.18	51.59 N	179.24 E	124.9 F			RAT ISLANDS, ALEUTIAN ISLANDS
20	22 17 23.89	51.26 N	179.16 W	0.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
20	23 18 29.58	51.59 N	179.58 E	82.4 F			RAT ISLANDS, ALEUTIAN ISLANDS
21	1 8 57.70	50.95 N	178.40 E	34.6 F			RAT ISLANDS, ALEUTIAN ISLANDS
21	2 30 46.47	51.95 N	179.37 W	50.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
21	3 41 32.87	52.29 N	178.54 E	125.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
21	5 17 13.68	51.05 N	179.05 E	30.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
21	5 25 13.85	52.30 N	178.37 E	136.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
21	6 33 52.62	51.93 N	178.93 E	130.4 F			RAT ISLANDS, ALEUTIAN ISLANDS
21	7 9 52.64	51.42 N	179.91 E	185.7 F			RAT ISLANDS, ALEUTIAN ISLANDS
21	7 56 3.53	50.46 N	178.15 E	50.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
21	10 40 4.82	51.19 N	178.72 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
21	13 42 59.94	51.58 N	179.83 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
21	13 48 41.95	50.94 N	178.13 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
21	15 32 52.24	51.05 N	179.61 E	28.9 F			RAT ISLANDS, ALEUTIAN ISLANDS
21	18 30 28.33	51.37 N	178.56 E	57.0 F			RAT ISLANDS, ALEUTIAN ISLANDS
21	19 35 56.41	51.81 N	179.71 W	121.2 F			DELAROF ISLANDS, ALEUTIAN ISLANDS

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AUG 1970	ORIGIN TIME (GMT)	LAT	LONG	DEPTH* (KM)	MB	MS	GEOGRAPHIC REGION
21	20 27 47.93	51.46 N	178.63 E	0.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
21	20 41 49.93	51.39 N	179.19 E	19.1 F			RAT ISLANDS, ALEUTIAN ISLANDS
21	20 48 41.42	51.10 N	179.48 E	29.9 F			RAT ISLANDS, ALEUTIAN ISLANDS
21	22 51 11.56	52.61 N	179.84 E	125.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
21	23 36 9.92	51.70 N	179.58 E	77.9 F			RAT ISLANDS, ALEUTIAN ISLANDS
22	0 39 51.99	51.70 N	178.76 E	80.4 F			RAT ISLANDS, ALEUTIAN ISLANDS
22	2 54 5.43	51.15 N	178.61 E	36.9 F			RAT ISLANDS, ALEUTIAN ISLANDS
22	3 44 10.63	52.02 N	178.45 E	146.7 F			RAT ISLANDS, ALEUTIAN ISLANDS
22	5 16 38.05	51.31 N	179.72 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
22	7 20 17.93	51.27 N	177.60 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
22	9 58 56.49	51.31 N	179.70 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
22	11 16 43.16	51.27 N	179.44 W	147.9 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
22	13 47 58.31	51.47 N	179.73 W	50.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
22	14 42 27.07	51.58 N	177.31 E	125.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
22	15 26 25.51	51.43 N	179.22 E	81.1 F			RAT ISLANDS, ALEUTIAN ISLANDS
22	16 39 17.01	51.23 N	178.78 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
22	18 5 54.92	51.37 N	179.05 W	0.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
23	2 28 15.05	51.09 N	179.50 W	50.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
23	3 23 59.52	51.69 N	179.92 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
23	4 58 31.50	17.79 S	178.78 W	560.0 T	5.0		FIJI ISLANDS REGION
23	5 58 34.34	51.20 N	178.34 E	0.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
23	7 47 38.40	51.80 N	173.84 W	34.0 T	3.9		ANDREANOF ISLANDS, ALEUTIAN IS.
23	11 40 25.48	51.49 N	178.97 E	64.8 F			RAT ISLANDS, ALEUTIAN ISLANDS
23	11 46 44.70	51.32 N	177.70 E	125.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
23	14 0 22.31	51.04 N	179.57 E	19.3 F			RAT ISLANDS, ALEUTIAN ISLANDS
23	14 59 25.85	51.09 N	179.62 E	32.3 F			RAT ISLANDS, ALEUTIAN ISLANDS
23	16 1 57.96	51.00 N	179.56 E	36.6 F			RAT ISLANDS, ALEUTIAN ISLANDS
24	1 6 13.92	51.02 N	179.04 E	22.4 F			RAT ISLANDS, ALEUTIAN ISLANDS
24	3 44 32.55	51.40 N	178.79 E	43.8 F			RAT ISLANDS, ALEUTIAN ISLANDS
24	3 58 4.94	51.36 N	179.56 W	81.2 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
24	7 53 21.80	55.09 N	164.43 W	93.0 T	4.0		UNIMAK ISLAND REGION

AUG 1970	ORIGIN TIME (GMT)	LAT	LONG	DEPTH* (KM)	MB	MS	GEOGRAPHIC REGION
24	9 0 56.59	51.12 N	179.98 W	28.6 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
24	15 36 29.21	51.44 N	178.85 E	40.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
24	15 37 12.09	51.79 N	179.58 W	75.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
24	16 18 59.52	51.74 N	179.95 E	189.9 F			RAT ISLANDS, ALEUTIAN ISLANDS
24	16 34 29.79	51.78 N	179.58 W	25.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
24	17 28 42.93	51.21 N	179.53 W	25.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
24	19 8 25.19	51.45 N	179.52 E	44.1 F			RAT ISLANDS, ALEUTIAN ISLANDS
24	21 27 46.79	51.66 N	179.85 W	25.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
24	21 57 19.77	50.36 N	177.95 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
24	22 22 50.13	51.17 N	178.31 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
25	0 41 38.37	51.70 N	179.38 W	50.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
25	4 47 37.35	51.93 N	179.18 W	75.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
25	8 50 49.37	50.96 N	179.45 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
25	10 45 23.58	51.20 N	178.76 E	20.1 F			RAT ISLANDS, ALEUTIAN ISLANDS
25	12 8 38.42	51.21 N	178.76 E	21.9 F			RAT ISLANDS, ALEUTIAN ISLANDS
25	13 42 30.16	50.88 N	179.88 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
25	18 21 42.95	51.62 N	179.45 W	50.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
25	18 55 19.53	51.06 N	179.28 E	25.0 F			RAT ISLANDS, ALEUTIAN ISLANDS
25	19 38 11.43	51.41 N	179.52 E	69.6 F			RAT ISLANDS, ALEUTIAN ISLANDS
26	3 26 12.02	51.49 N	178.99 E	212.0 F			RAT ISLANDS, ALEUTIAN ISLANDS
26	10 11 51.00	51.41 N	178.78 E	45.1 F			RAT ISLANDS, ALEUTIAN ISLANDS
26	10 54 33.01	51.47 N	178.99 E	71.1 F			RAT ISLANDS, ALEUTIAN ISLANDS
26	11 7 51.16	51.53 N	179.31 E	66.8 F			RAT ISLANDS, ALEUTIAN ISLANDS
26	15 1 2.73	51.36 N	178.75 E	37.7 F			RAT ISLANDS, ALEUTIAN ISLANDS
26	15 12 5.50	51.17 N	179.31 E	34.6 F			RAT ISLANDS, ALEUTIAN ISLANDS
26	16 49 .10	51.11 N	179.03 E	24.4 F			RAT ISLANDS, ALEUTIAN ISLANDS
26	18 40 .22	51.93 N	179.18 E	167.8 F			RAT ISLANDS, ALEUTIAN ISLANDS
26	23 45 1.72	52.03 N	178.41 E	123.7 F			RAT ISLANDS, ALEUTIAN ISLANDS
27	3 38 35.98	51.41 N	179.63 E	65.8 F			RAT ISLANDS, ALEUTIAN ISLANDS
27	4 59 19.02	51.85 N	179.47 E	121.0 F			RAT ISLANDS, ALEUTIAN ISLANDS
27	5 25 29.01	51.60 N	178.81 E	69.5 F			RAT ISLANDS, ALEUTIAN ISLANDS

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AUG 1970	ORIGIN TIME (GMT)	LAT	LONG	DEPTH* (KM)	MB	MS	GEOGRAPHIC REGION
27	8 20 50.92	51.45 N	179.61 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
27	9 41 11.55	51.88 N	178.64 E	113.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
27	9 51 31.74	51.69 N	179.98 W	25.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
27	11 13 2.20	51.98 N	176.66 E	75.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
27	13 11 52.47	51.37 N	179.24 E	31.7 F			RAT ISLANDS, ALEUTIAN ISLANDS
27	13 1 38.70	21.80 S	179.63 W	640.0 T	4.7		FIJI ISLANDS REGION
27	13 18 31.70	51.04 N	179.35 W	50.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
27	13 53 40.15	51.65 N	178.80 E	71.8 F			RAT ISLANDS, ALEUTIAN ISLANDS
27	15 25 25.34	50.78 N	179.39 E	0.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
27	15 29 7.31	51.16 N	178.16 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
27	16 12 2.95	51.38 N	179.15 E	36.7 F			RAT ISLANDS, ALEUTIAN ISLANDS
27	17 10 51.28	50.80 N	179.55 E	0.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
27	17 19 28.65	51.63 N	178.38 E	80.9 F			RAT ISLANDS, ALEUTIAN ISLANDS
27	17 42 49.06	50.52 N	177.42 E	50.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
27	18 29 40.64	51.30 N	179.58 E	57.8 F			RAT ISLANDS, ALEUTIAN ISLANDS
27	19 0 21.46	52.07 N	179.64 E	172.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
27	19 44 42.00	15.41 N	95.60 W	31.0 T	5.5	5.7	NEAR COAST OF OAXACA, MEXICO
27	21 35 38.38	52.43 N	179.45 E	125.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
27	22 6 .63	52.01 N	178.27 E	135.5 F			RAT ISLANDS, ALEUTIAN ISLANDS
27	22 11 37.91	51.46 N	179.28 W	0.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
27	23 9 44.39	51.72 N	178.53 E	81.4 F			RAT ISLANDS, ALEUTIAN ISLANDS
28	1 2 48.90	4.57 S	153.06 E	88.0 T	5.9		NEW IRELAND REGION
28	1 21 18.69	51.38 N	178.76 E	40.0 F			RAT ISLANDS, ALEUTIAN ISLANDS
28	3 42 58.59	51.61 N	179.25 E	24.6 F			RAT ISLANDS, ALEUTIAN ISLANDS
28	4 3 49.55	51.22 N	178.74 E	17.4 F			RAT ISLANDS, ALEUTIAN ISLANDS
28	4 42 9.62	51.37 N	178.57 E	19.5 F			RAT ISLANDS, ALEUTIAN ISLANDS
28	5 55 49.11	51.40 N	178.78 E	42.7 F			RAT ISLANDS, ALEUTIAN ISLANDS
28	6 3 14.59	51.51 N	177.60 E	125.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
28	7 22 39.33	51.64 N	179.76 E	88.0 F			RAT ISLANDS, ALEUTIAN ISLANDS
28	10 6 8.80	33.86 S	179.81 W	90.0 T	5.6		SOUTH OF KERMADEC ISLANDS
28	11 7 19.09	50.37 N	179.05 E	75.0 D			RAT ISLANDS, ALEUTIAN ISLANDS

AUG 1970	ORIGIN TIME (GMT)	LAT	LONG	DEPTH* (KM)	MB	MS	GEOGRAPHIC REGION
28	11 28 4.04	51.23 N	179.33 W	50.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
28	11 55 26.62	51.68 N	179.33 W	125.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
28	12 22 28.71	51.98 N	179.79 E	170.4 F			RAT ISLANDS, ALEUTIAN ISLANDS
28	14 1 29.90	15.12 S	173.40 W	33.0 T	5.3	5.3	TONGA ISLANDS
28	14 15 12.73	51.18 N	179.70 E	59.0 F			RAT ISLANDS, ALEUTIAN ISLANDS
28	14 19 33.45	50.88 N	179.94 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
28	14 20 1.76	51.04 N	179.92 W	25.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
28	14 16 23.20	15.19 S	173.18 W	33.0 T	5.0		TONGA ISLANDS
28	14 30 22.00	55.24 N	157.43 W	39.0 T	3.8		ALASKA PENINSULA
28	14 54 40.48	51.35 N	179.26 E	31.6 F			RAT ISLANDS, ALEUTIAN ISLANDS
28	21 59 16.77	52.05 N	179.38 E	167.3 F			RAT ISLANDS, ALEUTIAN ISLANDS
28	22 8 10.91	51.26 N	178.83 E	29.6 F			RAT ISLANDS, ALEUTIAN ISLANDS
28	22 49 37.50	51.49 N	178.06 E	55.6 F			RAT ISLANDS, ALEUTIAN ISLANDS
29	2 10 41.88	51.53 N	179.13 W	100.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
29	4 55 37.75	52.20 N	178.37 E	150.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
29	8 19 27.16	52.77 N	179.47 W	50.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
29	14 11 25.22	51.22 N	178.51 E	31.4 F			RAT ISLANDS, ALEUTIAN ISLANDS
29	14 59 22.60	51.10 N	135.26 E	33.0 T	5.4		EASTERN RUSSIA
29	20 35 53.49	51.49 N	179.32 W	25.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
29	20 54 15.14	51.64 N	179.87 W	91.0 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
29	21 47 9.74	52.39 N	179.15 W	125.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
30	0 16 36.50	52.05 N	179.71 W	84.0 T	5.0		DELAROF ISLANDS, ALEUTIAN ISLANDS
30	0 38 40.10	52.09 N	159.65 E	33.0 T	5.2		OFF EAST COAST OF KAMCHATKA
30	1 50 4.84	51.72 N	179.56 E	121.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
30	3 10 59.15	52.52 N	179.96 W	75.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
30	4 2 32.07	51.42 N	178.80 E	41.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
30	7 14 33.28	51.61 N	177.61 E	75.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
30	8 1 32.97	51.87 N	178.51 E	126.4 F			RAT ISLANDS, ALEUTIAN ISLANDS
30	10 16 49.17	51.27 N	179.93 E	39.8 F			RAT ISLANDS, ALEUTIAN ISLANDS
30	12 15 53.72	51.44 N	179.76 E	55.8 F			RAT ISLANDS, ALEUTIAN ISLANDS
30	15 51 7.69	50.74 N	180.00 W	25.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS

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AUG 1970	ORIGIN TIME (GMT)	LAT	LONG	DEPTH* (KM)	MB	MS	GEOGRAPHIC REGION
30	16 7 1.83	51.55 N	178.31 E	71.7 F			RAT ISLANDS, ALEUTIAN ISLANDS
30	17 46 9.00	52.38 N	151.60 E	645.0 T	6.6		SEA OF OKHOTSK
30	19 16 38.09	51.77 N	179.69 E	184.8 F			RAT ISLANDS, ALEUTIAN ISLANDS
30	20 7 22.91	51.22 N	178.64 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
30	20 36 19.20	52.14 N	159.71 E	33.0 T	4.6		OFF EAST COAST OF KAMCHATKA
30	20 47 7.60	52.75 N	177.65 W	227.0 T	4.4		ANDREANOF ISLANDS, ALEUTIAN IS.
31	0 29 33.71	51.93 N	179.31 W	75.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
31	1 59 33.87	51.21 N	179.59 W	125.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
31	2 3 38.59	51.22 N	179.46 E	53.5 F			RAT ISLANDS, ALEUTIAN ISLANDS
31	6 24 25.67	52.00 N	179.27 W	25.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
31	8 20 34.41	50.49 N	178.53 E	0.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
31	9 1 19.23	51.97 N	179.21 W	25.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
31	9 20 51.91	51.96 N	179.24 W	25.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
31	10 23 44.60	51.47 N	179.76 E	68.8 F			RAT ISLANDS, ALEUTIAN ISLANDS
31	19 20 2.48	50.75 N	179.95 E	50.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
31	20 46 6.56	51.46 N	179.59 W	64.5 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
31	22 39 39.09	51.19 N	178.21 E	25.0 D			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 (BATHYMETRY 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 SYMBOL SIZE, WHICH VARIES CONTINUOUSLY ACCORDING TO THE RELATIONSHIP

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

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