2 cyp

MASTER

CGS-746-118

RECEIVED BY TIC FEB 11 1972

**ALEUTIAN SEISMIC PROGRAM
SEISMOLOGICAL BULLETIN
MARCH 1971**

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

JANUARY 1972

**PREPARED FOR THE U.S. ATOMIC ENERGY COMMISSION
NEVADA OPERATIONS OFFICE
UNDER CONTRACT AT(29-2)-746**

DISTRIBUTION OF THIS DOCUMENT IS UNLIMITED

DISCLAIMER

This report was prepared as an account of work sponsored by an agency of the United States Government. Neither the United States Government nor any agency Thereof, nor any of their employees, makes any warranty, express or implied, or assumes any legal liability or responsibility for the accuracy, completeness, or usefulness of any information, apparatus, product, or process disclosed, or represents that its use would not infringe privately owned rights. Reference herein to any specific commercial product, process, or service by trade name, trademark, manufacturer, or otherwise does not necessarily constitute or imply its endorsement, recommendation, or favoring by the United States Government or any agency thereof. The views and opinions of authors expressed herein do not necessarily state or reflect those of the United States Government or any agency thereof.

DISCLAIMER

Portions of this document may be illegible in electronic image products. Images are produced from the best available original document.

NOTICE

THIS REPORT WAS PREPARED AS AN ACCOUNT OF WORK SPONSORED BY THE UNITED STATES GOVERNMENT. NEITHER THE UNITED STATES NOR THE UNITED STATES ATOMIC ENERGY COMMISSION, NOR ANY OF THEIR EMPLOYEES, NOR ANY OF THEIR CONTRACTORS, SUBCONTRACTORS, OR THEIR EMPLOYEES, MAKES ANY WARRANTY, EXPRESS OR IMPLIED, OR ASSUMES ANY LEGAL LIABILITY OR RESPONSIBILITY FOR THE ACCURACY, COMPLETENESS OR USEFULNESS OF ANY INFORMATION, APPARATUS, PRODUCT OR PROCESS DISCLOSED, OR REPRESENTS THAT ITS USE WOULD NOT INFRINGE PRIVATELY-OWNED RIGHTS.

AVAILABLE FROM THE
NATIONAL TECHNICAL INFORMATION SERVICE
U.S. DEPARTMENT OF COMMERCE
SPRINGFIELD, VIRGINIA 22151

CGS-746-118

**ALEUTIAN SEISMIC PROGRAM
SEISMOLOGICAL BULLETIN
MARCH 1971**

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

JANUARY 1972

NOTICE

This report was prepared as an account of work sponsored by the United States Government. Neither the United States nor the United States Atomic Energy Commission, nor any of their employees, nor any of their contractors, subcontractors, or their employees, makes any warranty, express or implied, or assumes any legal liability or responsibility for the accuracy, completeness or usefulness of any information, apparatus, product or process disclosed, or represents that its use would not infringe privately owned rights.

**PREPARED FOR THE U.S. ATOMIC ENERGY COMMISSION
NEVADA OPERATIONS OFFICE
UNDER CONTRACT AT(29-2)-746**

DISTRIBUTION OF THIS DOCUMENT IS UNLIMITED

SEISMOLOGICAL BULLETIN

THE PURPOSE OF THIS BULLETIN IS TO COLLECT AND DISTRIBUTE PRELIMINARY DATA ACQUIRED FROM AN ALEUTIAN NETWORK OF SEISMIC STATIONS IN ORDER TO FACILITATE CURRENT STUDIES OF EARTHQUAKE OCCURRENCE IN THE ALEUTIAN ISLANDS. RECORD ARRIVAL TIMES AND AMPLITUDES ARE SCALED BY THE SPECIAL PROJECTS PARTY, LAS VEGAS, NEVADA. FINAL REDUCTION AND COLLATION OF DATA TO EVENT HYPOCENTERS AND DERIVATION OF RELATED PARAMETERS ARE PERFORMED BY THE SEISMOLOGY INVESTIGATIONS GROUP, ROCKVILLE, MARYLAND. THIS COMPILATION IS PRELIMINARY AND MAY BE SUBJECT TO LATER REVISION ON THE BASIS OF CURRENT RESEARCH.

DESCRIPTION OF COLUMN HEADINGS

DATE - DAY, MONTH, AND YEAR IN GREENWICH MEAN TIME (GMT)
 STA - STATION CODE
 PHASE - NAME OF PHASE REPORTED
 I OR E INDICATES THE CHARACTER OF PHASE ARRIVAL
 C OR D IN THE FOURTH CHARACTER INDICATES DIRECTION OF FIRST MOTION
 TIME - ARRIVAL TIME OF PHASE IN HOURS, MINUTES, AND SECONDS (GMT)
 AMP - GROUND DISPLACEMENT OF PHASE IN MILLIMICRONS
 AMPLITUDES REPORTED WITH S PHASES ARE MAXIMUM SURFACE WAVE
 DISPLACEMENTS
 PER - PERIOD OF PHASE IN SECONDS
 MAG - STATION MAGNITUDE DEFINED BY
 $MB = -0.76 + \log_{10}(AMP/PER) + 0.91 * \log_{10}(SLANT \text{ DISTANCE})$
 FOR EVENTS OF EPICENTER DISTANCE LESS THAN
 200 KM FROM STATION
 DIST - GREAT CIRCLE DISTANCE TO EVENT IN KILOMETERS
 AZI - STATION TO EPICENTER AZIMUTH IN DEGREES TAKEN CLOCKWISE FROM NORTH
 RES - PHASE TRAVEL TIME RESIDUAL IN SECONDS (O-C)
 REMARKS- DESCRIPTIVE INFORMATION

DESCRIPTION OF HYPOCENTER INFORMATION

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

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

ALEUTIAN SEISMIC NETWORK

CODE	STATION	PERIOD OF OPERATION	LATITUDE (DEG MIN SEC)	LONGITUDE (DEG MIN SEC)	ELEVATION (METERS)
ADK	ADAK OBSERVATORY		51 53 01.4 N	176 41 04.3 W	116
AG1	AMCHITKA GEOPHONE 1	02/10/69-04/10/69	51 24 58.2 N	179 10 49.8 E	
AG3	AMCHITKA GEOPHONE 3	02/10/69-04/10/69	51 25 25.8 N	179 11 24.6 E	
AMA	AMATIGNAK ISLAND	09/10/70-	51 17 17.5 N	179 06 33.5 W	503
AME	AMCHITKA EXPERIMENTAL	01/04/69-26/05/69	51 23 12.0 N	179 15 18.0 E	
ANA	AMCHITKA NORTH A	25/08/69-25/09/69	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
AHA	AMCHITKA HOOD-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	SEMISOPOCHNOI 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

MAR 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
01	0 45	12.35	51.72 N 178.15 W	DEPTH = 81.1 KM			FREE DEPTH SOLUTION			
			ANDREANOF ISLANDS, ALEUTIANS ISLANDS							
01	AMA	IP D	00 45 28.6	34.6	.1	3.66	82	235	-.0	
		ES	00 45 40.6						.1	
01	SSI	IP	00 45 36.8				157	278	-.0	
01	ASD	IP	00 45 39.1	5.7	.1	3.08	178	259	-.1	
		IS	00 45 58.8						-.1	
01	ASB	IP	00 45 40.0				185	259	-.1	
01	ASC	IP	00 45 40.7				188	262	.2	
01	AND	EP	00 45 42.2				201	266	.2	
01	RAT	EP	00 45 47.0				243	273	-.1	
.....										
01	4 56	17.45	51.37 N 179.43 E	DEPTH = 56.8 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
01	ASD	IP C	04 56 26.0				6	290	-.1	
		IS	04 56 32.3						-.0	
01	ASB	IP C	04 56 26.2				13	265	-.0	
01	ASC	IP	04 56 26.7				21	299	.1	
01	AND	IP C	04 56 27.6				39	303	-.2	
01	SSI	IP D	04 56 29.6				59	11	-.1	
01	ANA	IP	04 56 30.0				60	298	.2	
01	RAT	IP D	04 56 33.2	104.3	.1	4.10	90	302	.1	
01	AMA	IP	04 56 34.2				102	95	-.3	
		IS	04 56 47.6						.6	
.....										
01	AMA	IP	05 26 46.2	38.9	.1	3.57				
		ES	05 26 55.2							
01	SSI	IP	05 26 59.6							
01	ASD	EP	05 27 .8	2.7	.1	2.74				
		ES	05 27 22.0							
01	ASB	EP	05 27 1.5							
01	ASC	EP	05 27 2.4							
01	AND	EP	05 27 4.0							
01	ANA	EP	05 27 7.2							
01	RAT	EP	05 27 10.3							
01	SSI	IP	05 41 20.7							
01	ASD	IP	05 41 23.7	4.3	.1					
01	ASB	IP	05 41 24.7	7.1	.1					
01	ASC	EP	05 41 24.7							
01	AND	EP	05 41 25.8							
01	RAT	EP	05 41 32.1							
		ES	05 41 46.0							
01	ASD	IP	06 52 31.2	6.2	.1					
01	ASB	EP	06 52 31.9	4.8	.1					
01	AMA	IP	06 52 32.1							LOCAL
01	ASC	IP	06 52 32.2							
01	AND	EP	06 52 32.9							
01	ANA	EP	06 52 35.1							
01	SSI	EP	06 52 38.0							
01	RAT	EP	06 52 46.8							
01	ADK	EP	09 34 14.9							
01	AMA	EP	09 34 37.9	6.7	.1	2.78				
		IS	09 34 46.2							
01	SSI	IP	09 34 48.3							REG
01	ASD	EP	09 34 50.0							
01	ASB	EP	09 34 51.5							
01	ASC	EP	09 34 52.0							
01	AND	EP	09 34 53.5							
01	ANA	EP	09 34 55.9							
01	RAT	EP	09 34 58.2							

HAR 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
01	AMA	IP	12 40 42.4	43.2	.1	3.08				
		IS	12 40 44.7							
01	ASD	EP	12 40 58.0							
01	ASB	EP	12 40 59.3							
		ES	12 40 14.0							
01	SSI	IP	12 40 59.6							
		IS	12 41 14.7							
01	ASC	EP	12 41 1.0							
01	AND	EP	12 41 2.5							

.....
 . 01 13 29 28.05 51.19 N 178.42 E DEPTH = 20.3 KM FREE DEPTH SOLUTION
 . RAT ISLANDS, ALEUTIAN ISLANDS
 .

. 01	ANA	EP	13 29 37.4				51	19	.2	
. 01	AND	EP	13 29 37.8				56	42	-.0	
. 01	ASB	EP	13 29 38.5				61	71	-.0	
. 01	RAT	IP	13 29 39.1	12.0	.1	3.00	68	355	-.6	
		IS	13 29 48.6						.5	
. 01	ASD	EP	13 29 40.1				69	70	.5	
		ES	13 29 47.5						-.6	
. 01	SSI	IP	13 29 46.4				112	46	.1	

.....

.....
 . 01 15 18 4.74 50.94 N 178.95 E DEPTH = 25.0 KM FIXED DEPTH SOLUTION
 . RAT ISLANDS, ALEUTIAN ISLANDS
 .

. 01	ASB	EP	15 18 14.1				51	24	.1	
		ES	15 18 20.8						-.0	
. 01	ASD	EP	15 18 14.8	2.1	.1	2.19	57	29	-.1	
. 01	ASC	EP	15 18 15.4				60	15	.1	
. 01	AND	EP	15 18 16.6				69	0	-.1	

.....

.....
 . 01 16 15 59.10 51.98 N 179.58 E DEPTH = 149.4 KM FREE DEPTH SOLUTION
 . RAT ISLANDS, ALEUTIAN ISLANDS
 .

. 01	AND	EP	16 16 20.6				63	223	-.2	
. 01	ASD	EP	16 16 20.9				68	194	-.1	
		ES	16 16 37.0						-.0	
. 01	ASB	EP	16 16 21.2				73	198	-.1	
. 01	ASC	EP	16 16 21.2				64	206	.4	
. 01	ANA	EP	16 16 21.5				74	238	.1	
. 01	RAT	IP	16 16 22.2				88	257	-.0	

.....

01	AMA	IP C	21 54 30.9	34.6	.1	3.45				
		IS	21 54 38.4							
01	ASD	EP	21 54 45.4							
		ES	21 55 3.2							
01	SSI	IP	21 54 45.5							
01	ASB	EP	21 54 46.5							
01	ASC	EP	21 54 48.1							
01	AND	EP	21 54 49.3							

01	ADK	EP	22 01 41.5							
		ES	22 01 49.0							

.....
 . 01 23 30 48.82 51.39 N 179.67 E DEPTH = 41.7 KM FREE DEPTH SOLUTION
 . RAT ISLANDS, ALEUTIAN ISLANDS
 .

. 01	ASD	IP C	23 30 56.4	13.3	.1	2.88	23	271	-.0	
. 01	ASB	EP	23 30 57.1				29	264	.1	
		ES	23 31 2.6						-.3	
. 01	ASC	IP	23 30 57.9				36	284	.3	

.....

MAR 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
. 01	AND	IP	23 30 59.4				53	292	-.2	
. 01	SSI	IP	23 31 0.0	17.7	.1	3.17	56	354	.0	
. 01	ANA	EP	23 31 2.3				75	291	.0	
. 01	AMA	EP	23 31 3.7				86	97	.0	
		ES	23 31 14.4						-.1	
.....										
02	ADK	EP	00 32 39.5							
		ES	00 32 51.7							
.....										
02	0 45 42.60	54.36 S	54.09 W	DEPTH =	33.0 KM	MB = 4.9	TELESEISMIC SOLUTION			
SOUTH ATLANTIC OCEAN										
02	ADK	PKP	01 05 21.6				16265	290		
.....										
02	RAT	EP	05 47 47.5							
		IS	05 48 21.4							
02	ANA	IP	05 47 50.0							
		IS	05 48 25.2							
02	AND	IP	05 47 51.8							
02	ASC	IP	05 47 54.4							
02	ASD	IP	05 47 55.6							
02	SSI	EP	05 47 59.0							
02	AMA	EP	05 48 9.1							
02	ADK	EP	06 14 22.3							
		ES	06 14 36.0							
.....										
02	6 41 23.90	50.88 N	178.75 W	DEPTH =	24.0 KM		TELESEISMIC SOLUTION			
DELAROF ISLANDS, ALEUTIAN ISLANDS										
02	AMA	IP	06 41 33.4				52	331	.1	
		I(S)	06 41 38.2						-1.9	
02	ASD	IP	06 41 46.4				145	294	-.8	
		ES	06 42 1.7						-2.4	
02	ASB	IP	06 41 47.4				150	292	-.5	
02	ASC	IP	06 41 48.6				159	295	-.7	
02	SSI	IP	06 41 48.8				161	315	-.8	
02	AND	EP	06 41 50.6				177	296	-1.0	
02	ADK	EP	06 41 52.2				182	51	.1	
		ES	06 42 14.5						1.8	
02	ANA	EP	06 41 54.3				199	296	.0	
02	RAT	IP	06 41 57.5				228	298	-.3	
.....										
02	8 40 5.17	51.38 N	178.43 W	DEPTH =	40.3 KM		FREE DEPTH SOLUTION			
DELAROF ISLANDS, ALEUTIAN ISLANDS										
02	AMA	IP C	08 40 15.3				48	259	.1	
		IS	08 40 22.4						-.1	
02	SSI	EP	08 40 27.9				148	294	.0	
02	ASD	EP	08 40 28.4				155	271	-.3	
		ES	08 40 45.9						.1	
02	ASB	EP	08 40 29.6				161	270	.1	
02	ASC	EP	08 40 30.3				167	274	.1	
02	AND	EP	08 40 32.0				182	278	-.1	
.....										
02	9 42 12.60	51.81 N	176.80 W	DEPTH =	59.0 KM	MB = 4.5	TELESEISMIC SOLUTION			
ANDREANOF ISLANDS, ALEUTIANS ISLANDS										
02	ADK	IP D	09 42 21.6				11	43	.0	FELT
		IS	09 42 28.4						.3	
02	AMA	IP	09 42 37.0				170	251	-1.0	

MAR 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
. 02	SSI	IP	09 42 48.6				249	274	1.0	
. 02	ASD	EP	09 42 50.5				271	262	.1	
.		E	09 43 23.9							
. 02	ASB	EP	09 42 51.7				278	261	.4	
. 02	ASC	EP	09 42 52.5				282	264	.8	
. 02	AND	EP	09 42 54.2				295	266	.9	
. 02	ANA	IP	09 42 56.8				314	268	1.1	
. 02	RAT	EP	09 42 59.6				336	272	1.3	
.		I	09 43 36.6							
. 02	GMA	EP	09 45 58.0				1760	24	3.9	
.....										
02	CSA	EP	12 21 12.5							
.....										
. 2	12 46 36.40	63.39 N 149.82 W	DEPTH = 111.0 KM	MB = 4.8	TELESEISMIC SOLUTION					
.		CENTRAL ALASKA								
.....										
02	CSA	EP	15 13 48.4							
.....										
. 02	19 36 43.68	52.88 N 178.62 E	DEPTH = 89.0 KM	FREE DEPTH SOLUTION						
.		RAT ISLANDS, ALEUTIAN ISLANDS								
. 02	SSI	IP	19 37 5.2				128	149	-.0	
.		IS	19 37 21.0						.0	
. 02	ANA	IP	19 37 6.6				139	179	.1	
. 02	AND	EP	19 37 7.5				148	171	.0	
.		ES	19 37 24.5						-.3	
. 02	ASC	EP	19 37 9.2				162	166	.2	
. 02	ASD	EP	19 37 10.0				173	163	-.3	
.		ES	19 37 30.0						.3	
.....										
02	ASD	IP C	20 37 40.0	7.8	.1					
02	ASB	IP	20 37 41.3							
02	AMA	IP	20 37 41.4	7.6	.1					
02	ASC	IP C	20 37 42.3							
02	AND	EP	20 37 44.6							
02	SSI	IP	20 37 45.4							
.....										
. 02	23 6 2.80	50.39 N 175.67 E	DEPTH = 33.0 KM	MB = 4.0	TELESEISMIC SOLUTION					
.		RAT ISLANDS, ALEUTIAN ISLANDS								
. 02	AND	IP	23 06 40.3				265	59	-.2	
. 02	ASB	IP	23 06 41.4	9.6	.1		274	65	-.2	
.		IS	23 07 10.3						.3	
. 02	ASD	IP	23 06 42.0				281	65	-.5	
. 02	SSI	IP	23 06 48.0				321	57	.5	
.		IS	23 07 22.2						2.1	
. 02	AMA	EP	23 06 55.7				381	73	.9	
.....										
. 03	0 48 11.40	17.66 N 99.29 W	DEPTH = 77.0 KM	MB = 5.1	TELESEISMIC SOLUTION					
.		GUERRERO, MEXICO								
. 03	ADK	EP	00 59 5.7				7624	319		
.....										
. 03	5 22 58.93	50.94 N 179.84 E	DEPTH = 22.8 KM	FREE DEPTH SOLUTION						
.		RAT ISLANDS, ALEUTIAN ISLANDS								
. 03	ASD	IP C	05 23 9.0	62.3	.1	3.69	61	326	-.6	
. 03	ASB	IP	05 23 10.1	54.9	.1	3.64	63	319	.3	
.		IS	05 23 18.1						.3	
. 03	ASC	IP	05 23 11.8				75	321	.1	

MAR 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
03	AMA	IP	05 23 13.2	86.5	.1	3.94	83	62	.3	
		ES	05 23 22.6						-.4	
03	AND	IP	05 23 14.3				93	319	-.1	
03	SSI	P	05 23 16.8				108	351	.2	
03	ANA	IP	05 23 17.9				112	314	.6	
03	RAT	IP	05 23 21.0				142	313	-.8	
.....										
03	5 26 19.89		52.11 N 176.75 E							DEPTH = 75.0 KM RAT ISLANDS, ALEUTIAN ISLANDS FIXED DEPTH SOLUTION
03	RAT	IP	05 26 38.5				114	107	-.6	
		IS	05 26 53.1						-.0	
03	ANA	IP	05 26 42.6				142	111	.3	
03	AND	EP	05 26 44.6				163	111	-.3	
03	ASC	EP	05 26 47.1				181	112	.1	P INDEFINITE
03	ASB	EP	05 26 48.4				191	115	.2	P INDEFINITE
		ES	05 27 8.8						-.0	
03	ASD	EP	05 26 48.8				195	113	.1	P INDEFINITE
03	SSI	IP	05 26 49.0				196	96	.2	
.....										
03	6 39 35.49		51.40 N 178.34 W							DEPTH = 12.5 KM DEAROF ISLANDS, ALEUTIAN ISLANDS FREE DEPTH SOLUTION
03	AMA	IP C	06 39 45.7				55	257	.6	
		IS	06 39 52.7						.6	
03	ADK	EP	06 39 57.2				126	64	1.4	
		ES	06 40 11.5						.9	
03	SSI	IP	06 40 0.0				154	292	.0	
03	ASD	IP	06 40 .7	18.1	.1	3.51	161	271	-.4	
03	ASB	IP	06 40 1.8				168	269	-.4	
		IS	06 40 21.6						.0	
03	ASC	IP	06 40 2.8				174	273	-.2	
03	AND	IP	06 40 4.9				189	277	-.4	
03	ANA	IP	06 40 8.4				210	278	.2	
03	RAT	IP	06 40 11.8				235	282	.5	
.....										
03	7 39 13.06		51.66 N 177.87 E							DEPTH = 62.7 KM RAT ISLANDS, ALEUTIAN ISLANDS FREE DEPTH SOLUTION
03	RAT	IP	07 39 23.4	79.5	.1	3.83	35	64	-.3	
		IS	07 39 31.5						.1	
03	ANA	IP	07 39 25.6				54	94	.3	
03	AND	IP	07 39 27.3				75	98	-.1	
		IS	07 39 37.7						-.1	
03	ASC	IP	07 39 29.4				92	103	.2	
03	ASB	IP	07 39 30.1				101	109	-.1	
		ES	07 39 42.7						-.1	
03	ASD	IP	07 39 30.8				106	106	-.0	
03	SSI	IP	07 39 32.6				121	77	.0	
.....										
3	10 36 27.50		62.07 N 149.68 W							DEPTH = 85.0 KM CENTRAL ALASKA TELESEISMIC SOLUTION
03	ANA	IP	11 23 2.2							
03	AND	EP	11 23 4.1							
03	ASC	EP	11 23 6.8							
03	ASD	EP	11 23 8.2	4.8	.1					
		ES	11 23 42.8							
03	SSI	IP	11 23 11.0							
		IS	11 23 51.0							

MAR 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....FIXED DEPTH SOLUTION.....										
03	12	0	26.91	50.54 N	177.91 E	DEPTH = 0.0 KM	RAT ISLANDS, ALEUTIAN ISLANDS			
03	AND	EP	12 00 49.7				135	32	-.1	
03	ASC	EP	12 00 50.1				135	40	.3	
		ES	12 01 6.5						-.0	
03	ASD	EP	12 00 50.1	2.9	.1	2.66	138	46	-.2	
.....										
03	ADK	EP	13 13 21.6							
		ES	13 13 30.5							
.....FREE DEPTH SOLUTION.....										
03	14	13	40.59	50.98 N	179.83 W	DEPTH = 38.7 KM	DEAROF ISLANDS, ALEUTIAN ISLANDS			
03	AMA	IP	14 13 52.2				61	55	.0	
03	ASD	IP	14 13 53.7	8.5	.1	2.92	74	309	-.2	
03	ASC	IP	14 13 56.1				88	308	.2	
03	AND	IP	14 13 58.3				107	308	-.0	
		IS	14 14 11.3						.1	
03	SSI	IP	14 13 58.6				110	339	-.1	
.....										
.....FREE DEPTH SOLUTION.....										
03	18	7	45.36	51.04 N	179.23 E	DEPTH = 31.0 KM	RAT ISLANDS, ALEUTIAN ISLANDS			
03	ASB	IP C	18 07 53.2				35	1	.2	
		IS	18 07 58.3						-.2	
03	ASD	IP C	18 07 53.4				39	11	-.1	
03	ASC	IP C	18 07 54.6				47	354	.1	
03	AND	IP	18 07 56.3				61	341	-.1	
03	SSI	IP	18 08 1.5				98	14	-.2	
		IS	18 08 13.8						.2	
.....										
03	ASB	IP	19 20 3.1							
		IS	19 20 9.9							
03	ASD	IP	19 20 3.2	60.2	.1	3.65				
03	ASC	EP	19 20 4.8							
03	AND	EP	19 20 6.6							
03	SSI	IP	19 20 11.6							
		IS	19 20 25.0							
.....FIXED DEPTH SOLUTION.....										
03	19	30	5.35	50.92 N	179.45 E	DEPTH = 25.0 KM	RAT ISLANDS, ALEUTIAN ISLANDS			
03	ASB	IP	19 30 14.7				51	344	.0	
		ES	19 30 21.5						.0	
03	ASD	IP	19 30 15.0	5.0	.1	2.55	53	352	.0	
03	ASC	EP	19 30 16.4				64	342	-.1	
03	AND	EP	19 30 18.9				80	334	.1	
.....										
03	ASB	IP	19 40 15.2							
		IS	19 40 22.0							
03	ASD	IP	19 40 15.4	68.9	.1	3.72				
03	ASC	IP	19 40 16.8							
03	AND	IP	19 40 18.7							
03	SSI	IP	19 40 23.6							
		IS	19 40 37.2							
.....										
03	AMA	IP	20 29 4.5							
		ES	20 29 20.4							
03	ASD	IP	20 29 8.2	11.6	.1	3.32				
03	ASB	IP	20 29 8.7							

MAR 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
		IS	20 29 26.9							
03	ASC	IP	20 29 10.0							
03	AND	IP	20 29 11.9							
03	SSI	IP	20 29 14.8							
03	21 9 41.93		51.22 N 179.51 E				DEPTH = 47.0 KM			FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
03	ASD	IP D	21 09 50.0	6.3	.1	2.60	23	329	-.1	
03	ASB	IP	21 09 50.2	7.7	.1	2.70	24	311	.0	
		IS	21 09 56.2						-.0	
03	ASC	EP	21 09 51.4				37	319	.2	
03	AND	EP	21 09 53.0				55	315	-.1	
03	21 54 9.10		48.28 N 153.01 E				DEPTH = 120.0 KM			TELESEISMIC SOLUTION
			KURIL ISLANDS							
03	ADK	EP	21 58 28.7				2191	68		
03	ADK	IP	23 12 14.9							
		IS	23 12 21.8							
04	ADK	EP	00 33 59.6							
		ES	00 34 15.6							
04	0 28 36.30		30.40 N 138.32 E				DEPTH = 428.0 KM			TELESEISMIC SOLUTION
			SOUTH OF HONSHU, JAPAN							
04	ANA	IP	00 35 5.1				4055	43		TELESEISMIC
04	AND	IP	00 35 6.3				4071	43		
04	ASB	IP	00 35 6.9				4083	43		
04	ASC	IP	00 35 7.3				4082	43		
04	ASD	IP C	00 35 7.5	532.1	.4		4091	43		
04	ADK	EP	00 35 27.1				4370	44		
04	ADK	EP	01 57 36.2							
		ES	01 57 51.0							
04	5 11 39.44		51.64 N 179.68 W				DEPTH = 62.0 KM			FREE DEPTH SOLUTION
			DELAROF ISLANDS, ALEUTIAN ISLANDS							
04	ASD	IP	05 11 53.5				73	248	.0	
		ES	05 12 3.7						-.0	
04	ASB	IP	05 11 54.2				80	248	-.1	
04	ASC	IP	05 11 54.6				82	257	.1	
04	AND	IP	05 11 55.7				95	266	-.2	
04	ANA	IP	05 11 58.3				115	270	.1	
04	7 34 21.88		51.40 N 177.89 E				DEPTH = 55.7 KM			FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
04	RAT	EP	07 34 33.6				54	34	.1	
		E(S)	07 34 41.8						-.2	
04	ANA	IP	07 34 34.2				59	64	.1	
04	AND	IP	07 34 35.8				75	76	-.1	
04	ASC	IP	07 34 37.5				89	85	.1	
04	ASB	IP	07 34 37.8				94	92	-.2	
04	ASD	IP	07 34 38.8				101	90	-.0	
		IS	07 34 51.3						.1	

MAR 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
-------------	-----	-------	---------------	-------------	--------------	-----	--------------	--------------	--------------	---------

04	ASD	EP	08 58 26.8							
		IS	08 58 45.3							
04	ASC	EP	08 58 28.2							
04	AND	EP	08 58 30.1							

4	13 43	7.60	66.76 N	135.78 W	DEPTH = 33.0 KM	M8 = 5.2	TELESEISMIC SOLUTION			
NORTHERN YUKON TERRITORY, CANADA										

04	15 9	48.66	51.82 N	179.50 W	DEPTH = 47.3 KM	FREE DEPTH SOLUTION				
DELAROF ISLANDS, ALEUTIAN ISLANDS										

04	AMA	EP	15 10 .7				65	156	-.4	
		ES	15 10 10.8						.7	
04	SSI	EP	15 10 .7				63	277	-.1	
04	ASD	IP D	15 10 4.2				94	240	-.3	
04	ASB	IP	15 10 5.0				101	240	-.4	
		ES	15 10 17.5						-.1	
04	ASC	IP	15 10 5.5				101	247	.1	
04	AND	EP	15 10 6.8				111	255	.2	
04	ANA	EP	15 10 9.5				129	261	.7	

04	ADK	IP D	17 08 49.3							
		IS	17 08 56.8							
04	AMA	EP	17 09 9.6							
04	ASD	EP	17 09 23.8							
		ES	17 10 .6							
04	ASB	EP	17 09 25.2							
04	ASC	EP	17 09 26.8							

04	17 37	54.28	50.93 N	179.19 E	DEPTH = 0.0 KM	FIXED DEPTH SOLUTION				
RAT ISLANDS, ALEUTIAN ISLANDS										

04	ASD	IP	17 38 3.8				53	11	-.1	
		IS	17 38 10.9						-.0	
04	ASC	IP	17 38 5.4				60	358	.2	
04	AND	IP	17 38 7.4				73	347	-.1	

04	AMA	IP C	23 23 3.6	69.2	.1	3.83				
		ES	23 23 12.7							
04	ASD	EP	23 23 15.4	7.1	.1	3.11				
04	ASB	IP	23 23 16.4	14.1	.1	3.42				
		ES	23 23 35.2							
04	ASC	IP	23 23 17.2							
04	AND	IP	23 23 19.0							
04	ANA	IP	23 23 21.6							

04	23 51	45.90	50.21 N	178.97 E	DEPTH = 18.0 KM	TELESEISMIC SOLUTION				
RAT ISLANDS, ALEUTIAN ISLANDS										

04	ASB	IP	23 52 7.2	3.1	.1	2.66	129	9	.5	
		ES	23 52 23.0						1.2	
04	ASD	IP D	23 52 7.6				134	11	.2	
04	ASC	IP	23 52 8.6				140	6	.3	
04	AND	IP	23 52 9.7				150	360	-.2	
04	ANA	EP	23 52 11.0				159	352	-.2	

MAR 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
05	1	13	32.87	51.10 N	179.15 E	DEPTH = 34.2 KM				FREE DEPTH SOLUTION
				RAT ISLANDS, ALEUTIAN ISLANDS						
05	ASB	IP C	01 13 40.2	66.0	.1	3.56	30	13	.0	
		IS	01 13 45.5						-.0	
05	ASD	IP D	01 13 40.7	47.2	.1	3.45	35	22	-.1	
05	ASC	IP	01 13 41.5				40	1	.1	
05	AND	IP D	01 13 43.0				53	345	-.0	
05	ANA	IP	01 13 45.0				68	330	-.0	
05	RAT	EP	01 34 49.0							
		ES	01 35 .4							
05	2	23	22.63	50.99 N	178.76 E	DEPTH = 0.0 KM				FIXED DEPTH SOLUTION
				RAT ISLANDS, ALEUTIAN ISLANDS						
05	ASD	IP	02 23 33.6				61	42	-.1	
		ES	02 23 41.7						-.0	
05	ASC	EP	02 23 33.7				60	28	.1	
05	AND	EP	02 23 34.5				66	12	-.1	
05	6	8	43.36	50.93 N	177.94 E	DEPTH = 25.0 KM				FIXED DEPTH SOLUTION
				RAT ISLANDS, ALEUTIAN ISLANDS						
05	ANA	IP	06 08 58.8				92	33	.1	
05	AND	IP	06 08 59.7				99	45	-.1	
05	RAT	EP	06 08 59.7				100	16	-.2	
		ES	06 09 12.1						.2	
05	ASB	IP	06 09 .6				103	62	.3	
05	ASD	IP	06 09 1.3	8.4	.2	2.73	110	62	-.1	
		ES	06 09 14.4						-.2	
05	ASD	IP	08 24 48.3	4.6	.1	2.47				
		IS	08 24 54.0							
05	ASC	EP	08 24 49.6							
05	AND	IP	08 24 51.3							
05	11	50	40.36	51.23 N	179.94 W	DEPTH = 38.8 KM				FREE DEPTH SOLUTION
				DELAROF ISLANDS, ALEUTIAN ISLANDS						
05	ASD	IP D	11 50 51.0				53	291	.1	
05	AMA	IP C	11 50 51.6				58	83	.0	
		IS	11 50 59.5						-.2	
05	ASB	IP	11 50 51.9				58	285	.3	
		IS	11 50 59.3						-.4	
05	ASC	IP	11 50 53.0				67	293	.2	
05	AND	IP	11 50 54.8				85	296	-.5	
05	SSI	IP	11 50 54.8				81	336	.1	
05	ANA	IP	11 50 58.0				107	295	-.1	
05	RAT	EP	11 51 1.6				136	299	-.0	
05	12	30	51.57	52.54 N	179.49 W	DEPTH = 124.7 KM				FREE DEPTH SOLUTION
				DELAROF ISLANDS, ALEUTIAN ISLANDS						
05	AMA	IP C	12 31 17.0				142	169	-.0	
05	ASD	EP	12 31 17.8				151	212	-.1	
		ES	12 31 37.1						-.0	
05	ASC	EP	12 31 18.0				151	218	.1	
05	AND	EP	12 31 18.1				152	225	.1	
05	RAT	IP	12 31 19.8				170	242	-.1	

MAR 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
05	13	5	3.18	52.05 N	177.90 E	DEPTH = 88.8 KM	FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
05	RAT	EP	13 05 17.0	7.1	.1	2.90	41	133	.1	
		IS	13 05 26.8						-.2	
05	ANA	IP C	13 05 19.2				71	132	.1	
05	AND	IP	13 05 20.8				91	126	-.1	
		ES	13 05 34.0						.1	
05	ASC	EP	13 05 22.8				109	126	.0	
05	ASB	EP	13 05 23.9	5.2	.1	2.94	121	129	-.1	
05	ASD	EP	13 05 24.3				124	126	-.0	
.....										
.....										
05	13	52	54.00	50.87 N	176.06 E	DEPTH = 33.0 KM MB = 4.5	TELESEISMIC SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
05	RAT	IP	13 53 21.3				188	56	-1.0	
		IS	13 53 43.8						.9	
05	ANA	IP C	13 53 23.2				199	64	-.4	
05	AND	IP	13 53 25.0				216	68	-.6	
05	ASC	EP	13 53 26.6				226	72	-.3	
05	ASB	IP	13 53 26.9				229	75	-.4	
		ES	13 53 52.9						1.3	
05	ASD	EP	13 53 27.7				236	75	-.5	
05	SSI	IP C	13 53 32.9				270	64	.6	
.....										
.....										
05	14	4	23.20	51.25 N	179.51 W	DEPTH = 33.0 KM	TELESEISMIC SOLUTION			
DELAROF ISLANDS, ALEUTIAN ISLANDS										
05	AMA	IP D	14 04 30.4				28	81	.2	
		IS	14 04 36.2						.9	
05	ASD	IP	14 04 36.4	2.5	.1	2.41	82	282	-.9	
		ES	14 04 48.0						.5	
05	ASB	EP	14 04 38.3				88	279	.1	
05	ASC	EP	14 04 39.3				95	285	.0	
		ES	14 04 52.6						1.6	
05	AND	EP	14 04 41.1				113	289	-.7	
.....										
.....										
05	16	52	1.33	51.94 N	179.67 E	DEPTH = 63.2 KM	FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
05	ASC	IP	16 52 14.0				63	214	-.4	
05	ASD	IP	16 52 14.8	2.5	.1	2.42	65	201	.2	
05	AND	IP	16 52 14.8				65	230	.2	
05	ASB	IP	16 52 15.2	3.6	.1	2.59	71	205	.0	
		ES	16 52 25.3						.0	
05	ANA	IP	16 52 15.9				78	244	-.0	
.....										
.....										
05	20	53	17.60	18.50 N	145.41 E	DEPTH = 221.0 KM MB = 5.3	TELESEISMIC SOLUTION			
MARIANA ISLANDS										
05	ADK	EP D	21 01 10.1				4963	33		
.....										
.....										
06	4	33	22.87	51.23 N	178.05 E	DEPTH = 23.4 KM	FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
06	RAT	IP	04 33 34.0				65	17	-.3	
		ES	04 33 42.6						-.1	
06	ANA	IP	04 33 34.1				61	44	.5	

MAR 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
06	AND	IP	04 33 35.4				73	59	.1	
06	ASB	IP	04 33 37.1				85	80	.0	
		ES	04 33 47.2						-.2	
06	ASD	IP	04 33 37.9	7.7	.1	2.93	92	78	-.2	
06	SSI	IP	04 33 44.0				130	55	.2	
06	AMA	EP	04 33 53.2				198	87	-.0	
06	RAT	IP	13 19 56.3	203.6	.1	4.43				
		IS	13 20 9.1							
06	ANA	IP	13 19 59.4							
06	AND	EP	13 20 1.1							
06	ASC	EP	13 20 4.2							
06	ASB	EP	13 20 5.4							
		ES	13 20 28.0							
06	ASD	EP	13 20 5.7							
06	SSI	IP	13 20 8.1							
06	AMA	EP	13 20 20.1							
06	AMA	IP D	16 43 40.9							
		IS	16 43 47.5							
06	ASD	EP	16 43 54.6							
06	SSI	IP	16 43 55.7							
06	ASB	EP	16 43 55.9	5.3	.1	2.98				
		ES	16 44 14.1							
06	ASC	EP	16 43 56.7							
06	AND	EP	16 43 59.4							
06	RAT	IP	16 44 5.2							
07	1 29 10.79		51.44 N 179.00 W							DEPTH = 75.0 KM DELAROF ISLANDS, ALEUTIAN ISLANDS FIXED DEPTH SOLUTION
07	ASD	IP	01 29 30.1				115	268	-.1	
		IS	01 29 44.3						.0	
07	ASB	EP	01 29 31.0				122	266	.1	
07	AND	IP	01 29 33.3				142	276	.0	
07	AMA	IP	03 16 2.1							
		IS	03 16 6.5							
07	ASD	IP	03 16 12.3							
07	ASB	IP	03 16 13.8							
		ES	03 16 25.9							
07	ASC	IP	03 16 14.3							
07	SSI	IP	03 16 21.4							
07	3 55 49.91		51.74 N 179.61 W							DEPTH = 93.4 KM DELAROF ISLANDS, ALEUTIAN ISLANDS FREE DEPTH SOLUTION
07	AMA	IP	03 56 5.2				61	145	-.2	
		IS	03 56 17.1						.3	
07	SSI	IP	03 56 5.2				58	288	-.0	
07	ASD	EP	03 56 7.1	13.9	.1	3.29	82	243	-.1	
07	ASB	IP	03 56 8.0				89	243	.1	
		ES	03 56 20.7						-.3	
07	ASC	IP	03 56 8.0				90	251	.1	
07	AND	IP	03 56 9.0				101	260	.0	
07	ANA	EP	03 56 11.1				120	265	.2	
07	RAT	IP	03 56 13.2				142	274	-.1	
07	ADK	EP	06 18 1.6							
		ES	06 18 12.3							

MAR 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
-------------	-----	-------	---------------	-------------	--------------	-----	--------------	--------------	--------------	---------

7	6 26	53.40	60.08 N 152.33 W	DEPTH = 125.0 KM			TELESEISMIC SOLUTION			
SOUTHERN ALASKA										

07	ASB	EP	08 14	7.5						
07	ASD	IP	08 14	8.2						
		E(S)	08 14	23.7						
07	ASC	IP	08 14	8.3						
07	AND	IP	08 14	8.5						
07	ANA	IP	08 14	8.9						
07	SSI	IP	08 14	16.4						
07	AMA	EP	09 13	43.8						
		IS	09 13	53.1						
07	SSI	IP	09 13	45.2						
07	ASD	IP	09 13	50.2	3.9	.1	2.79			
		ES	09 14	5.9						
07	ASB	EP	09 13	51.5						
		ES	09 14	7.0						
07	ASC	EP	09 13	52.5						

07	10 22	7.32	51.20 N 178.64 E	DEPTH = 30.6 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										

07	ASB	IP	10 22	16.4		46	67	.1		
		IS	10 22	22.5				-.4		
07	AND	IP	10 22	16.4		46	28	.1		
07	ASC	IP	10 22	16.6		47	51	.2		
07	ANA	IP	10 22	16.8		48	2	.3		
07	ASD	EP	10 22	17.2		54	66	-.1		
07	RAT	IP D	10 22	19.3		70	343	-.4		
07	SSI	IP	10 22	24.2		102	40	-.0		
		IS	10 22	36.6				.0		

7	12 38	16.60	62.80 N 149.32 W	DEPTH = 29.0 KM			TELESEISMIC SOLUTION			
CENTRAL ALASKA										

07	15 26	53.90	51.27 N 178.10 E	DEPTH = 31.5 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										

07	ANA	IP	15 27	4.4		55	44	.2		
07	RAT	IP	15 27	4.9		61	15	-.1		
07	AND	IP D	15 27	5.7		68	61	-.2		
07	ASB	EP	15 27	7.6		80	82	-.1		
		ES	15 27	17.7				-.1		
07	ASD	IP	15 27	9.0		87	81	.3		
07	SSI	IP	15 27	14.1		124	56	-.1		
		ES	15 27	29.0				.1		

07	ADK	EP	20 03	.8						
		ES	20 03	13.4						

07	ADK	IP	22 07	48.5						
		IS	22 07	57.1						
07	AMA	IP	22 07	57.2						
		ES	22 08	11.9						
07	ASD	EP	22 08	9.9	6.3	.1				
		ES	22 08	34.8						
07	SSI	EP	22 08	10.3						
07	ASB	EP	22 08	10.7						
07	ASC	EP	22 08	11.3						
07	AND	EP	22 08	13.8						

MAR 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
7	23	6	14.80	59.92 N	153.14 W	DEPTH = 112.0 KM	MB = 3.5	TELESEISMIC SOLUTION		
SOUTHERN ALASKA										
.....										
08	1	14	26.54	51.08 N	179.86 E	DEPTH = 28.3 KM	FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
08	ASD	IP C	01 14 35.7	4.3	.1	2.48	50	313	-.2	
08	ASB	IP	01 14 36.4				53	306	.1	
		ES	01 14 43.4						.0	
08	ASC	IP	01 14 38.1				64	311	.2	
08	AND	EP	01 14 40.4				83	310	-.2	
08	SSI	IP C	01 14 42.0				92	348	.0	
08	RAT	IP	01 14 48.1				133	307	.0	
.....										
8	12	5	45.20	61.33 N	151.43 W	DEPTH = 112.0 KM	TELESEISMIC SOLUTION			
SOUTHERN ALASKA										
.....										
08	16	34	14.00	50.86 N	179.01 E	DEPTH = 25.0 KM	FIXED DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
08	ASB	IP	16 34 24.5	15.8	.1	3.08	58	17	.2	
08	ASD	IP	16 34 24.8				63	21	-.3	
		IS	16 34 33.1						-.0	
08	ASC	IP	16 34 25.9				68	9	.2	
08	AND	IP	16 34 27.1				78	357	-.1	
.....										
08	ADK	EP D	19 03 59.4							
		ES	19 04 8.9							
08	SSI	IP	19 04 23.5							
08	ASD	IP	19 04 23.8							
08	ASB	IP	19 04 24.8							
		ES	19 05 2.3							
08	ASC	IP	19 04 26.0							
08	AND	EP	19 04 27.8							
08	AMA	IP	19 39 27.2							
		ES	19 39 31.9							
08	ASD	IP	19 39 36.7	3.6	.1	2.72				
		ES	19 39 50.8							
08	ASB	IP	19 39 37.4							
08	ASC	EP	19 39 39.3							
08	SSI	IP	19 39 39.6							
08	AND	EP	19 39 40.6							
08	AMA	IP	20 00 48.8							
08	ASD	IP	20 00 58.4	4.1	.1	2.65				
08	ASB	EP	20 00 59.7							
		ES	20 01 11.2							
08	ASC	EP	20 01 .3							
08	AND	EP	20 01 2.3							
08	AMA	IP	20 00 59.9							
		IS	20 02 4.7							
08	ASD	IP C	20 02 9.7	4.2	.1	2.75				
		E(S)	20 02 22.7							
08	ASB	EP	20 02 10.8							
08	ASC	EP	20 02 11.6							
08	AND	EP	20 02 13.5							

MAR 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
09	RAT	IP	03 13 31.3							
		ES	03 13 49.5							
09	ANA	IP	03 13 33.8							
09	AND	IP	03 13 35.1							
09	ASD	EP	03 13 38.0							
		ES	03 14 1.5							

09 6 16 45.76 51.62 N 178.51 E DEPTH = 76.3 KM FREE DEPTH SOLUTION
RAT ISLANDS, ALEUTIAN ISLANDS

09	ANA	IP C	06 16 56.9				10	85	.1
09	RAT	IP	06 16 57.2	49.7	.1	3.67	24	328	-.0
		IS	06 17 5.5						-.1
09	AND	IP D	06 16 57.7				31	101	.1
		IS	06 17 6.2						-.0
09	ASC	IP C	06 16 58.9				49	111	.2
09	ASB	IP	06 16 59.4				59	119	-.1
09	ASD	IP	06 16 59.7	4.2	.1	2.68	63	113	-.2
09	SSI	IP	06 17 1.5				80	67	-.0

9 8 8 53.90 63.97 N 149.83 W DEPTH = 140.0 KM MB = 4.3 TELESEISMIC SOLUTION
CENTRAL ALASKA

09 10 36 10.83 50.89 N 178.78 E DEPTH = 25.0 KM FIXED DEPTH SOLUTION
RAT ISLANDS, ALEUTIAN ISLANDS

09	ASB	EP	10 36 21.7				62	32	-.0
09	ASD	EP	10 36 22.7				69	35	.0
		ES	10 36 31.3						.0
09	AND	EP	10 36 23.8				76	9	.0

9 10 38 16.10 57.70 N 153.85 W DEPTH = 53.0 KM MB = 4.3 TELESEISMIC SOLUTION
KODIAK ISLAND REGION

09 10 43 18.85 51.49 N 179.27 E DEPTH = 58.8 KM FREE DEPTH SOLUTION
RAT ISLANDS, ALEUTIAN ISLANDS

09	ASD	IP D	10 43 27.8	83.2	.1	3.77	13	157	-.0
09	ASC	IP C	10 43 27.8				8	245	.1
09	ASB	IP D	10 43 27.9	76.6	.1	3.74	15	186	-.0
		IS	10 43 34.6						.1
09	AND	IP	10 43 28.1				23	289	-.2
09	ANA	IP	10 43 30.0				45	289	.2
09	SSI	IP	10 43 30.3				49	26	.0
09	RAT	IP	10 43 32.7				73	298	-.0
		IS	10 43 42.8						-.0

9 10 56 36.00 63.96 N 149.82 W DEPTH = 138.0 KM MB = 4.0 TELESEISMIC SOLUTION
CENTRAL ALASKA

MAR 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
09	10 58 48.45		50.93 N 178.83 E	DEPTH = 24.5 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
09	ASB	IP	10 58 58.6	13.4	.1	2.99	57	31	.1	
		ES	10 59 5.8						-.0	
09	ASD	EP	10 58 59.3				63	35	-.2	
09	ASC	IP	10 58 59.7				64	22	.1	
09	AND	IP	10 59 .5				71	7	-.2	
09	ANA	EP	10 59 2.1				79	352	.3	
09	RAT	IP	10 59 5.2	21.9	.1	3.42	103	341	-.2	
09	SSI	IP	10 59 8.0				120	26	.1	
09	11 38 31.38		51.65 N 177.90 E	DEPTH = 71.7 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
09	RAT	IP C	11 38 42.9	72.0	.1	3.82	34	61	.0	
		IS	11 38 51.1						-.1	
09	ANA	IP	11 38 44.3				53	93	.1	
09	AND	IP	11 38 46.2				74	97	.1	
09	ASC	IP	11 38 48.0				90	103	.1	
09	ASB	EP	11 38 48.6				99	109	-.2	
		IS	11 39 1.6						.1	
09	ASD	EP	11 38 49.3				104	106	-.1	
09	SSI	IP	11 38 51.1				120	76	-.0	
09	12 42 22.22		51.62 N 178.24 E	DEPTH = 64.4 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
09	RAT	IP	12 42 32.3				21	16	.1	
		ES	12 42 39.4						-.1	
09	ANA	EP	12 42 32.6				29	88	-.0	
09	AND	IP	12 42 34.0				49	97	-.1	
		IS	12 42 42.9						.1	
09	ASC	EP	12 42 35.8				66	105	.1	
09	ASD	IP	12 42 37.1	2.7	.1	2.49	80	108	-.1	
09	ASD	IP	14 42 59.8	6.9	.1	3.05				
		I(S)	14 43 16.1							
09	SSI	IP	14 42 59.9							
09	ASB	EP	14 43 1.1							
09	ASC	EP	14 43 2.0							
09	AND	IP	14 43 5.7							
09	RAT	IP	14 43 7.3							
09	ASD	EP	14 43 52.1	4.3	.1	2.86				
		ES	14 44 8.7							
09	ASB	EP	14 43 54.0							
09	SSI	IP	14 43 54.4							
09	ASC	EP	14 43 55.7							
09	AND	EP	14 43 58.1							
09	16 15 37.20		51.09 N 178.45 W	DEPTH = 33.0 KM			TELESEISMIC SOLUTION			
			DELAROF ISLANDS, ALEUTIAN ISLANDS							
09	ADK	EP	16 16 .4				151	54	-.5	
		ES	16 16 17.0						-1.1	
09	ASD	IP	16 16 0.0				157	283	-1.6	
		ES	16 16 19.7						.2	
09	ASB	EP	16 16 1.8				163	281	-.6	
09	SSI	IP	16 16 1.8				162	304	-.5	
		ES	16 16 19.5						-1.1	
09	ASC	EP	16 16 2.3				171	285	-1.0	

MAR 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
-------------	-----	-------	---------------	-------------	--------------	-----	--------------	--------------	--------------	---------

09	AND	EP	16 16 5.0				188	287	-.4	
09	ANA	EP	16 16 7.9				209	288	-.2	
09	RAT	EP	16 16 11.6				237	291	.1	

09	ADK	IP D	19 36 18.7							
		ES	19 36 28.8							
09	ASD	EP	19 36 53.1							
09	ASB	EP	19 36 54.9							
		ES	19 37 38.0							
09	ASC	EP	19 36 56.2							
09	AND	EP	19 36 57.0							
09	ANA	EP	19 37 .2							

NO S

09	ANA	EP	20 03 38.1							
09	AND	EP	20 03 38.7							
09	ASD	EP	20 03 40.7	8.1	.1					
09	ASB	EP	20 03 40.8							

09	21 22 40.24	51.37 N 178.52 E	DEPTH = 39.1 KM	FREE DEPTH SOLUTION						
RAT ISLANDS, ALEUTIAN ISLANDS										

09	ANA	IP D	21 22 48.4				30	19	.2	
09	AND	IP	21 22 49.0				37	54	.1	
09	ASC	IP	21 22 50.0				46	77	.1	
09	RAT	IP D	21 22 50.1				50	345	-.3	
09	ASB	IP	21 22 50.3				51	91	-.2	
		IS	21 22 57.9						-.0	
09	ASD	IP	21 22 51.2				57	87	-.1	
09	SSI	IP C	21 22 56.6				94	51	.3	
		IS	21 23 7.8						-.3	

09	22 12 42.72	51.18 N 178.52 E	DEPTH = 0.0 KM	FIXED DEPTH SOLUTION						
RAT ISLANDS, ALEUTIAN ISLANDS										

09	AND	IP	22 12 52.2				52	35	-.1	
		IS	22 12 59.2						-.0	
09	ASB	IP	22 12 52.8	8.1	.1	2.73	55	68	.2	
09	ASC	IP	22 12 52.9				55	54	.2	
09	ASD	IP	22 12 53.7				62	67	-.3	

10	0 33 15.50	63.00 N 149.99 W	DEPTH = 140.0 KM	TELESEISMIC SOLUTION						
CENTRAL ALASKA										

10	ASB	EP	01 55 6.2	2.2	.1	2.14				
		ES	01 55 11.9							
10	ASD	IP	01 55 6.5							
10	AND	EP	01 55 9.1							

10	3 34 55.43	51.60 N 179.91 E	DEPTH = 25.0 KM	FIXED DEPTH SOLUTION						
RAT ISLANDS, ALEUTIAN ISLANDS										

10	ASD	EP	03 35 4.0				46	239	.0	
10	ASB	EP	03 35 4.9				53	240	-.1	
		ES	03 35 12.0						-.0	
10	ASC	EP	03 35 5.3				54	253	.2	
10	AND	EP	03 35 6.8				66	266	-.1	

MAR 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
10	11 57 50.10		51.34 N 176.84 W	DEPTH = 37.0 KM MB = 4.0			TELESEISMIC SOLUTION			
			ANDREANOF ISLANDS, ALEUTIANS ISLANDS							
10	ADK	IP D	11 58 1.4				61	10	-.1	ML3.5 D0.5 FELT
		ES	11 58 9.5						-.3	
10	SSI	EP	11 58 26.8				254	285	.6	
		IS	11 58 54.2						1.7	
10	ASD	IP	11 58 27.2				265	273	-.3	
10	ASB	IP	11 58 28.7				272	272	.4	
10	ASC	IP	11 58 29.3				278	274	.2	
10	AND	IP	11 58 31.0				293	276	.1	
		E	11 59 5.7							
10	ANA	IP	11 58 33.8				313	277	.3	
10	RAT	EP	11 58 37.0				338	280	.5	
.....										
10	21 39 22.53		51.48 N 178.90 E	DEPTH = 62.8 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
10	AND	EP	21 39 31.6				9	21	-.3	
10	ASC	EP	21 39 32.1				18	97	-.1	
10	ASB	IP	21 39 32.7				27	120	.0	
		ES	21 39 40.2						.2	
10	ANA	EP	21 39 32.7				23	314	.3	
10	RAT	IP	21 39 34.6				53	312	-.0	
		E(S)	21 39 43.4						-.0	
10	SSI	EP	21 39 35.9				66	46	.1	
.....										
10	AND	IP C	23 50 56.5							
10	ANA	IP	23 50 56.8							
10	ASC	IP	23 50 58.7							
10	ASB	IP	23 50 59.9							
		IS	23 51 5.3							
10	RAT	IP C	23 51 .3							
		IS	23 51 11.8							
10	ASD	IP	23 51 .5							
10	SSI	IP	23 51 3.9							
.....										
11	0 23 56.58		51.14 N 178.75 E	DEPTH = 22.1 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
11	AND	IP D	00 24 5.4				49	17	-.0	
11	ASD	EP	00 24 5.5				49	56	-.0	
		ES	00 24 12.0						-.0	
11	ANA	EP	00 24 6.2				54	353	-.0	
.....										
11	0 28 43.43		51.12 N 178.70 E	DEPTH = 0.0 KM			FIXED DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
11	ASB	EP	00 28 52.2				47	54	.3	
		ES	00 28 58.1						-.0	
11	ASC	EP	00 28 52.8				50	40	.2	
11	AND	IP	00 28 52.9				53	19	-.1	
11	ASD	IP	00 28 52.9				54	55	-.4	
.....										
11	5 26 12.84		51.19 N 178.73 E	DEPTH = 25.1 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
11	ASB	IP C	05 26 20.6				40	62	-.0	
		IS	05 26 26.0						-.3	
11	ASC	IP C	05 26 21.2				42	45	.3	

MAR 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
11	AND	IP D	05 26 21.3				44	20	.2	
		IS	05 26 27.3						.1	
11	ASD	IP	05 26 21.5	5.3	.1	2.54	48	62	-.2	
11	ANA	IP	05 26 22.1				49	354	.3	
11	RAT	IP C	05 26 25.1	29.8	.1	3.43	73	338	-.2	
		IS	05 26 34.1						-.4	
11	SSI	IP	05 26 29.0				98	37	-.0	

11 8 26 16.29 52.04 N 179.47 E DEPTH = 181.7 KM FREE DEPTH SOLUTION
RAT ISLANDS, ALEUTIAN ISLANDS

11	SSI	IP	08 26 40.4	4.9	.1	2.99	18	153	.0	
11	AND	IP	08 26 41.5				64	214	-.2	
11	ASD	IP	08 26 41.9				72	187	-.2	
		IS	08 27 .9						-.0	
11	ASC	IP	08 26 42.0				67	198	.2	
11	ANA	IP	08 26 42.1				72	231	.0	
11	ASB	IP	08 26 42.4				77	192	.1	
11	RAT	IP C	08 26 42.6	39.7	.1	3.93	83	252	.0	

11 15 25 45.90 59.33 N 146.65 W DEPTH = 18.0 KM MB = 5.0 TELESEISMIC SOLUTION
GULF OF ALASKA

11 19 23 15.62 50.32 N 178.20 E DEPTH = 0.0 KM FIXED DEPTH SOLUTION
RAT ISLANDS, ALEUTIAN ISLANDS

11	ASD	EP	19 23 39.8	1.8	.1	2.46	144	34	-.0	
		ES	19 23 57.3						-.2	
11	ASC	EP	19 23 40.2				144	28	.3	
11	AND	EP	19 23 40.4				148	21	-.1	
11	ANA	EP	19 23 40.9				149	12	.3	
11	RAT	IP	19 23 42.7	13.1	.1	3.37	165	3	-.3	
		ES	19 24 3.1						.1	
11	SSI	IP	19 23 48.2				200	29	-.2	

11	ASD	EP	21 30 2.7	4.6	.1	2.99				
		ES	21 30 24.2							
11	SSI	EP	21 30 3.6	18.5	.1					
11	ASB	EP	21 30 4.7							
11	ASC	EP	21 30 5.0							
11	AND	EP	21 30 7.1							
11	RAT	EP	21 30 13.6							

11	SHY	EP	21 33 35.4							
11	GMA	EP	21 37 28.5							
11	GMA	EP	21 48 35.0							

12 2 10 25.56 51.66 N 176.77 E DEPTH = 75.0 KM FIXED DEPTH SOLUTION
RAT ISLANDS, ALEUTIAN ISLANDS

12	RAT	IP	02 10 43.6				109	81	-.6	
		IS	02 10 57.8						-.1	
12	ANA	EP	02 10 46.1				131	91	-.6	
12	AND	EP	02 10 51.0				151	93	1.9	
12	ASB	EP	02 10 51.9				175	100	-.0	
12	ASD	EP	02 10 52.2				181	99	-.4	
		ES	02 11 12.3						-.1	
12	SSI	IP	02 10 55.0				196	81	.5	

MAR 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
12	5 16 41.76		51.30 N 179.88 E	DEPTH = 54.2 KM		FREE DEPTH SOLUTION				
			RAT ISLANDS, ALEUTIAN ISLANDS							
12	ASD	IP	05 16 51.8	4.3	.1	2.54	39	285	-.0	
		ES	05 16 59.0						-.2	
12	ASB	EP	05 16 52.5	4.8	.1	2.60	45	278	.1	
12	ASC	EP	05 16 53.4				53	290	.2	
12	AND	EP	05 16 54.8				71	294	-.3	
12	SSI	IP	05 16 54.9	28.3	.1	3.46	69	343	.0	
12	ANA	EP	05 16 57.6				92	293	.0	
12	RAT	IP	05 17 .9				121	298	-.1	
		IS	05 17 15.3						.2	
.....										
12	7 15 57.10		52.27 N 179.24 W	DEPTH = 221.9 KM		FREE DEPTH SOLUTION				
			DELAROF ISLANDS, ALEUTIAN ISLANDS							
12	SSI	IP D	07 16 28.3	12.7	.1	3.51	90	243	-.0	
12	ASD	EP	07 16 31.1	33.3	.1	3.96	138	226	.0	
12	ASC	EP	07 16 31.5				141	231	.2	
12	AND	EP	07 16 31.6				147	239	-.1	
12	ASB	EP	07 16 31.8	5.9	.1	3.21	145	227	.2	
		ES	07 16 56.4						-.3	
12	ANA	EP	07 16 32.7				160	245	-.0	
12	RAT	IP	07 16 33.5				174	254	-.3	
		IS	07 17 .9						.4	
.....										
12	8 25 13.36		52.08 N 179.60 E	DEPTH = 186.8 KM		FREE DEPTH SOLUTION				
			RAT ISLANDS, ALEUTIAN ISLANDS							
12	SSI	EP C	08 25 38.1	44.9	.1	3.96	21	182	-.0	
12	AND	IP C	08 25 39.6				73	218	-.1	
12	ASC	IP	08 25 40.0				75	204	.2	
12	ASD	IP C	08 25 40.1				79	193	.1	
12	ANA	IP C	08 25 40.2				82	232	.0	
12	ASB	IP	08 25 40.4				83	197	.1	
		ES	08 25 59.6						-.3	
12	RAT	IP C	08 25 40.5				92	251	-.3	
		ES	08 26 1.1						.3	
.....										
12	14 38 39.96		51.24 N 179.64 W	DEPTH = 50.0 KM		FIXED DEPTH SOLUTION				
			DELAROF ISLANDS, ALEUTIAN ISLANDS							
12	ASD	IP	14 38 53.0				73	284	-.4	
12	ASB	EP	14 38 53.8				79	280	-.2	
		ES	14 39 4.3						-.0	
12	ASC	EP	14 38 55.1				87	287	.1	
12	SSI	IP C	14 38 55.4	133.0	.1	4.20	90	324	-.1	
		IS	14 39 6.6						-.2	
12	AND	IP	14 38 57.1				104	291	-.0	
12	ANA	EP	14 38 59.9				126	291	.2	
12	RAT	IP	14 39 3.8				154	295	.6	
.....										
12	SSI	IP	18 23 22.7							
12	ASD	EP	18 23 25.5							
		ES	18 24 15.7							
12	ASB	EP	18 23 26.5							
12	ASC	EP	18 23 27.1							
12	AND	EP	18 23 27.7							
12	ANA	EP	18 23 30.0							
12	RAT	EP	18 23 31.4							

MAR 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
-------------	-----	-------	---------------	-------------	--------------	-----	--------------	--------------	--------------	---------

12	18 35	8.28	51.56 N 178.07 E DEPTH = 54.9 KM					FREE DEPTH SOLUTION		
	RAT ISLANDS, ALEUTIAN ISLANDS									

12	RAT	IP	18 35 17.7				32	33	-.2	
12	ANA	IP C	18 35 19.0				41	79	.4	
12	AND	IP	18 35 20.4				61	89	-.2	
12	ASC	IP	18 35 22.5				76	97	.2	
12	ASB	IP	18 35 23.2				84	105	.0	
		ES	18 35 33.8						-.3	
12	ASD	IP	18 35 23.8				90	101	-.1	
12	SSI	IP	18 35 26.3				111	70	-.1	
		ES	18 35 39.7						.1	

12	ADK	EP	21 30 38.0							
		ES	21 30 50.7							

13	3 27	44.39	51.14 N 178.60 E DEPTH = 18.6 KM					FREE DEPTH SOLUTION		
	RAT ISLANDS, ALEUTIAN ISLANDS									

13	ASB	EPG	03 27 53.7	32.3	.1	3.33	51	62	.3	
		ES	03 27 59.9						-.1	
13	AND	IPGD	03 27 53.8				53	28	.1	
13	ASC	EPG	03 27 54.0				53	48	.3	
13	ANA	IPG	03 27 54.2				54	5	.4	
13	ASD	IPG	03 27 54.3	23.0	.1	3.23	59	62	-.2	
		ES	03 28 1.3						-.6	
13	RAT	EP	03 27 56.5				75	346	-.6	QP, STORMY
13	SSI	EP	03 28 1.9	23.5	.1	3.47	108	39	-.1	POOR TAMP
		IS	03 28 15.0						.2	

13	5 33	29.85	52.00 N 179.24 E DEPTH = 29.9 KM					FREE DEPTH SOLUTION		
	RAT ISLANDS, ALEUTIAN ISLANDS									

13	AND	IP	05 33 39.6				52	202	.0	
		E(S)	05 33 46.7						.0	
13	ANA	EP	05 33 40.3				57	224	.0	
13	ASD	EP	05 33 41.8	4.3	.1	2.58	68	174	.0	

13	ADK	EP	06 11 55.4							
		ES	06 12 11.5							
13	ASD	EP	06 12 28.5							
		EP	06 12 33.1							
13	ASC	EP	06 12 30.2							
		EP	06 12 35.1							
		E(L)	06 13 26.9							

REGIONAL

13	8 8	48.04	51.96 N 178.25 E DEPTH = 125.0 KM					FREE DEPTH SOLUTION		
	RAT ISLANDS, ALEUTIAN ISLANDS									

13	RAT	IP D	08 09 5.1	161.4	.1	4.36	18	163	-.1	
		ES	08 09 17.7						-.0	
13	ANA	IP	08 09 6.3				46	142	.2	
13	AND	IP D	08 09 7.1				65	132	-.0	
13	ASC	EP	08 09 8.6				84	131	.2	
13	SSI	IP D	08 09 9.0	15.5	.1	3.42	92	94	-.0	QTAMP
13	ASB	IP	08 09 9.2	26.9	.1	3.67	95	134	-.1	
		IS	08 09 24.6						-.2	
13	ASD	IP D	08 09 9.4	33.2	.1	3.76	98	129	-.1	POSS. DEEP
		IS	08 09 25.4						.2	

13	ADK	EP	08 38 43.5							
----	-----	----	------------	--	--	--	--	--	--	--

MAR 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
		ES	08 38 59.8							
13	ASD	EP	08 39 14.8							REGIONAL
		EP	08 39 21.7	10.8	.2					
13	ASB	EP	08 39 15.5	11.6	.2					
		E(S)	08 40 2.0							
13	SSI	EP	08 39 16.9	24.4	.2					QP,STORMY
13	ASC	EP	08 39 17.8							
13	AND	EP	08 39 20.2							
13	RAT	EP	08 39 24.5	27.3	.2					QP,STORMY

13	9 22 47.48	51.08 N 178.71 E	DEPTH = 51.6 KM	FREE DEPTH SOLUTION						
RAT ISLANDS, ALEUTIAN ISLANDS										
13	ASB	EPG	09 22 58.4	2.9	.1	2.38	49	50	.1	
		ES	09 23 6.1						-.1	
13	ASD	EPG	09 22 58.9	2.7	.1	2.38	56	52	-.1	
		ES	09 23 7.5						.0	
13	AND	EPG	09 22 59.3				56	18	.2	
13	ANA	EPG	09 22 59.4				61	357	-.2	

13	9 40 11.02	51.87 N 177.14 E	DEPTH = 75.0 KM	FIXED DEPTH SOLUTION						
	RAT ISLANDS, ALEUTIAN ISLANDS									
13	RAT	IP C	09 40 26.6	253.3	.1	4.51	82	95	-.3	
		ES	09 40 37.7						-.7	
13	ANA	IP	09 40 29.4				108	104	-.2	
13	AND	IP	09 40 31.7				130	105	-.4	
13	ASC	EPN	09 40 34.3				147	107	.2	
		IPG	09 40 35.8							
13	ASB	EP	09 40 35.1	10.3	.1	3.29	155	110	-.1	
		E(S)	09 40 52.6						-.2	
13	ASD	EP	09 40 36.0	16.4	.2	3.20	161	108	.3	
		I(S)	09 40 54.3						.5	
13	SSI	IP	09 40 37.2	14.2	.1	3.45	168	88	.6	

13	9 47 38.71		51.45 N 179.25 E		DEPTH = 61.5 KM		FREE DEPTH SOLUTION				
RAT ISLANDS, ALEUTIAN ISLANDS											
13	ASD	EPG	09 47 47.8	2.5	.1	2.27	10	137	-.1		
		ES	09 47 54.5						-.2		
13	ASB	EP	09 47 48.0	1.8	.1	2.13	10	181	.0		
		ES	09 47 54.8						.1		
13	ASC	EP	09 47 48.1				6	279	.2		
13	AND	EP	09 47 48.6				24	301	.1		
13	ANA	EP	09 47 49.8				45	295	-.2	QP	

13	12 10 43.48	51.33 N 179.92 W	DEPTH = 30.8 KM	FREE DEPTH SOLUTION						
DELAROF ISLANDS, ALEUTIAN ISLANDS										
13	ASD	IPGC	12 10 53.0	323.8	.2	4.07	52	278	-.2	
		ES	12 11 .6						.3	
13	ASB	IPGD	12 10 54.1	500.9	.2	4.29	58	274	.0	MIN.AMPL.
		ES	12 11 1.7						-.1	
13	ASC	IPG	12 10 55.2				65	284	.1	NICE LOCAL
13	SSI	IP C	12 10 56.1	110.8	.1	4.00	72	332	.1	
		IS	12 11 5.0						-.1	
13	AND	IPGC	12 10 57.6				82	289	.0	
13	ANA	IPGD	12 11 .9				104	289	.2	
13	RAT	IP D	12 11 4.8	120.7	.1	4.26	132	294	-.1	
		IS	12 11 20.5						-.0	

MAR 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
13	ASD	EP	13 46 56.1	3.5	.1					QS,REGIONAL
		ES	13 47 43.1							
13	ASB	EP	13 46 56.5	4.6	.1					
13	ASC	EP	13 46 57.1							
13	AND	EP	13 46 58.2							

.....

13	13 58 7.35	51.89 N 179.14 E	DEPTH = 93.7 KM	FREE DEPTH SOLUTION						
RAT ISLANDS, ALEUTIAN ISLANDS										
13	AND	EP	13 58 21.5				39	200		-.0
13	ANA	EP	13 58 22.0				45	228		.2
13	ASC	EP	13 58 22.2				48	178		.2
13	RAT	IP	13 58 22.5	7.9	.1	2.99	57	260		-.1
13	ASD	EP	13 58 22.6	2.1	.1	2.42	58	166		-.1
13	ASB	EP	13 58 22.8	1.5	.1	2.28	60	173		-.0
		ES	13 58 34.1							-.0

.....

.....

13	14 28 8.16	51.61 N 179.70 E	DEPTH = 105.4 KM	FREE DEPTH SOLUTION						
RAT ISLANDS, ALEUTIAN ISLANDS										
13	ASD	EP	14 28 23.3	4.8	.1	2.78	35	227		-.2
13	ASB	EP	14 28 23.8	3.9	.1	2.70	42	230		.0
		ES	14 28 35.0							-.2
13	ASC	EP	14 28 23.9				40	247		.2
		ES	14 28 35.3							.2
13	AND	EP	14 28 24.3				52	265		-.1
		ES	14 28 36.1							-.1
13	ANA	EP	14 28 26.0				72	272		.3
13	RAT	IP	14 28 27.6	7.8	.1	3.09	97	283		-.2

.....

.....

13	14 41 37.83	50.95 N 178.67 E	DEPTH = 30.7 KM	FREE DEPTH SOLUTION						
RAT ISLANDS, ALEUTIAN ISLANDS										
13	ASB	EPG	14 41 48.8	6.4	.2	2.41	61	41		.0
		ES	14 41 56.9							.1
13	ASD	EPG	14 41 49.7	2.4	.1	2.32	68	44		-.1
		ES	14 41 58.3							-.2
13	ASC	EPG	14 41 49.7				66	31		.1
13	AND	IPG	14 41 50.1				71	16		-.1
13	ANA	EPG	14 41 51.1				75	359		.2
13	RAT	EP	14 41 53.9	2.8	.1	2.51	97	346		-.2
13	SSI	EP	14 41 57.9	6.4	.1	2.96	123	31		.1

.....

13	ADK	EP	15 59 15.6							
		ES	16 08 30.0							
		ER	16 20 5.0							
13	RAT	IP D	16 30 28.5	27.3	.1	3.36				
		IS	16 30 36.2							
13	ANA	EP	16 30 30.3							
		E(S)	16 30 39.7							
13	AND	EP	16 30 32.2							

.....

13	17 33 41.13	51.02 N 178.58 W	DEPTH = 50.0 KM	FIXED DEPTH SOLUTION						
DELAROF ISLANDS, ALEUTIAN ISLANDS										
13	ASD	EP	17 34 3.7	5.2	.1	2.96	151	287		-.3
		E(S)	17 34 20.1							-.6
13	SSI	IP	17 34 4.5	17.1	.1	3.50	160	308		-.6
		E(S)	17 34 23.2							.6
13	ASB	EP	17 34 5.0	4.0	.1	2.86	156	285		.3
13	ASC	EP	17 34 5.9				165	288		.2

.....

MAR 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
13	AND	EP	17 34 7.8				182	290	-.1	
13	RAT	EP	17 34 14.4	9.8	.1		231	293	.5	
13	ASD	EPN	18 41 33.1							
13	ASB	EPG	18 41 34.4	3.1	.1					
13	ASB	EP	18 41 33.9	12.3	.2					EP IS PROB PG
13	ASB	E(L)	18 41 50.3							
13	ASC	EP	18 41 35.7							DO
13	AND	EP	18 41 36.5							DO
13	18 53 43.35	51.82 N 179.78 E	DEPTH = 193.7 KM							FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
13	ASD	EP	18 54 9.6	1.1	.1	2.39	56	213	-.2	
13	ASB	EP	18 54 10.1	1.9	.1	2.62	63	216	.0	
13	ASB	E(S)	18 54 29.6						-.0	
13	ASC	EP	18 54 10.2				58	228	.3	
13	RAT	IP	18 54 11.9	5.8	.1	3.13	100	270	-.0	
13	19 12 25.00	5.72 S 145.37 E	DEPTH = 118.0 KM MB = 6.3							TELESEISMIC SOLUTION
			EAST NEW GUINEA REGION							
13	RAT	EP	19 22 46.5				7099	22		
13	ASB	EP	19 22 46.9				7099	23		
13	AND	EP	19 22 47.1				7104	23		
13	ANA	EP	19 22 47.2				7097	22		
13	ASD	EP	19 22 47.4				7106	23		LARGE TELE
13	ASC	EP	19 22 47.5				7104	23		
13	SSI	EP	19 22 50.6				7160	23		
13	ADK	EP	19 23 0.0				7325	25		ER1943180
		ES	19 31 42.0							
		EL	19 39 25.0							
13	23 22 17.14	51.36 N 179.88 W	DEPTH = 52.9 KM							FREE DEPTH SOLUTION
			DELAROF ISLANDS, ALEUTIAN ISLANDS							
13	ASD	IPG	23 22 28.5	13.9	.1	3.09	54	275	-.1	
13	ASD	ES	23 22 36.5						-.4	
13	ASB	IPG	23 22 29.5	25.3	.1	3.37	60	271	.2	QTAMP
13	ASB	IS	23 22 38.3						.2	
13	ASC	IPG	23 22 30.2				67	281	.2	
13	SSI	EP	23 22 30.2	9.0	.1	2.96	70	329	-.1	
13	SSI	ES	23 22 40.2						.2	
13	AND	EPG	23 22 31.6				84	286	-.3	
13	ANA	EP	23 22 34.6				105	287	.1	QP
14	1 30 3.99	51.55 N 178.97 E	DEPTH = 72.3 KM							FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
14	AND	EPG	01 30 14.2				2	320	-.3	
14	ASC	IPG	01 30 14.8				16	125	.1	
14	ANA	IPG	01 30 15.2				23	292	.2	
14	ASD	ES	01 30 23.2						.2	
14	ASD	IPG	01 30 15.3	3.5	.1	2.51	31	124	-.1	
14	ASB	EPG	01 30 15.3	4.6	.1	2.62	28	137	.1	
14	ASB	ES	01 30 23.3						-.1	
14	RAT	EPG	01 30 16.8	13.4	.1	3.14	52	302	-.1	
14	RAT	IS	01 30 26.1						-.1	
14	SSI	EPG	01 30 17.3	6.5	.1	2.84	57	48	.0	

MAR 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
14	1 47 59.83		51.96 N 178.22 E	DEPTH = 133.5 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
14	RAT	IP C	01 48 17.7	82.6	.2	3.79	19	157	-.3	POSS.P/S CONV
		IS	01 48 31.6						.3	
14	ANA	IP	01 48 19.0				48	141	.0	
14	AND	IP	01 48 19.9				67	131	-.1	
		IS	01 48 34.7						.0	
14	ASC	EP	01 48 21.6				85	130	.4	
14	SSI	EP	01 48 21.8	9.3	.1	3.22	94	94	.0	
14	ASD	IP	01 48 22.1	7.4	.1	3.13	100	129	-.2	
		IS	01 48 38.3						-.3	
14	ASB	EP	01 48 22.1	4.3	.1	2.89	97	133	.1	
		IS	01 48 38.2						-.1	
.....										
14	6 52 12.37		51.27 N 178.86 E	DEPTH = 31.8 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
14	ASB	IPG	06 52 19.3	5.8	.1	2.48	29	70	-.0	
		IS	06 52 24.4						.0	
14	ASC	IPG	06 52 19.7				30	45	.2	
14	AND	EPG	06 52 19.7				33	11	-.1	
14	ASD	EPG	06 52 20.1	1.3	.1	1.87	36	69	-.1	
		ES	06 52 25.8						-.0	
.....										
14	ADK	EP	08 31 1.7							
		ES	08 31 10.5							
.....										
14	8 33 24.37		50.93 N 179.18 E	DEPTH = 25.0 KM			FIXED DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
14	ASB	EPG	08 33 33.4	10.1	.1	2.82	48	5	.1	
		ES	08 33 39.8						-.0	
14	ASD	IPG	08 33 33.8	13.3	.1	2.97	53	12	-.1	
14	ASC	EPG	08 33 35.0				60	359	.1	
14	AND	EPG	08 33 36.7				72	347	-.1	
.....										
14	9 3 3.48		50.93 N 179.19 E	DEPTH = 25.0 KM			FIXED DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
14	ASB	IPGC	09 03 12.4	20.5	.1	3.13	49	4	-.0	
		IS	09 03 18.9						-.1	
14	ASD	IPGD	09 03 12.8	42.3	.1	3.47	53	11	-.2	
14	ASC	IPG	09 03 14.0				60	358	-.0	
14	AND	EPG	09 03 15.8				73	347	-.2	
14	ANA	EP	09 03 18.8				86	335	.8	VQP
14	RAT	IP	09 03 21.6	9.4	.1	3.10	114	329	-.5	
14	SSI	EP	09 03 21.9	11.5	.1	3.17	111	14	.2	
.....										
14	12 15 14.10		53.86 N 160.52 E	DEPTH = 35.0 KM MB = 5.4			TELESEISMIC SOLUTION			
			NEAR EAST COAST OF KAMCHATKA							
14	RAT	EP	12 17 50.7	72.7	.2		1220	94		
14	ANA	IP	12 17 54.4				1247	94		
		E(S)	12 19 54.6							
14	AND	EP	12 17 56.5				1269	94		
14	ASC	EP	12 17 59.1				1286	94		
14	ASB	EP	12 18 .1	8.1	.1		1296	95		QP
		E(S)	12 20 1.0							
14	ASD	EP	12 18 .5	14.0	.2		1301	95		QP

MAR 1971	STA	PHASE	TIME (GMT)		AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
14	SSI	EP	12 18	1.8	20.2	.1		1299	92		QP
14	ADK	EP	12 18	29.3				1545	89		
.....											
14	12 50 31.80	51.74 N 179.83 E DEPTH = 89.3 KM							FREE DEPTH SOLUTION		
		RAT ISLANDS, ALEUTIAN ISLANDS									
14	SSI	IP	12 50	44.8	15.4	.1	3.21	24	316	.0	
14	ASD	IP	12 50	46.2	24.9	.1	3.47	51	221	-.1	
		ES	12 50	56.7						-.1	
14	ASB	EP	12 50	46.7	22.5	.1	3.44	58	224	-.1	
		IS	12 50	57.7						.0	
14	ASC	IP	12 50	46.7				55	236	.2	
14	AND	IP	12 50	47.1				64	252	-.1	
14	ANA	IP	12 50	48.9				81	261	.2	
14	RAT	IP C	12 50	50.6	17.9	.1	3.44	103	274	-.2	
		IS	12 51	4.7						.0	
.....											
14	ADK	EP	13 27	49.9							
		ES	13 28	.4							
14	ASD	EP	13 28	21.1	3.4	.1					REGIONAL
14	ASB	EP	13 28	22.4	4.6	.1					
14	ASC	EP	13 28	23.1							
14	AND	EP	13 28	24.8							VQ(S)
		E(S)	13 29	3.0							
14	ANA	EP	13 28	27.6							
14	RAT	EP	13 28	30.3	7.3	.1					
.....											
14	13 49 56.54	51.25 N 179.94 E DEPTH = 70.5 KM							FREE DEPTH SOLUTION		
		RAT ISLANDS, ALEUTIAN ISLANDS									
14	ASD	EP	13 50	8.5	1.3	.1	2.09	44	290	-.1	V.SM LOCAL
14	ASB	EP	13 50	9.0	.9	.1	1.95	50	284	-.0	
		E(S)	13 50	18.1						-.0	
14	ASC	EP	13 50	10.0				59	294	.2	
14	AND	EP	13 50	11.4				77	297	-.1	
.....											
14	13 52 19.51	51.39 N 178.79 E DEPTH = 41.5 KM							FREE DEPTH SOLUTION		
		RAT ISLANDS, ALEUTIAN ISLANDS									
14	AND	IP	13 52	27.0				22	32	-.0	V.SM.LOCAL
		ES	13 52	32.5						-.0	
14	ASC	EP	13 52	27.6				27	74	.1	
14	ASB	EP	13 52	27.9	1.1	.1	1.84	32	96	-.0	QP
14	ASD	EP	13 52	28.5	1.0	.1	1.82	39	90	-.1	
.....											
14	RAT	IP	19 13	27.0	38.0	.2	3.54				
		E(S)	19 13	45.1							
14	ANA	EP	19 13	30.9							
		E(S)	19 13	51.3							
14	AND	EP	19 13	33.1							
14	ASC	EP	19 13	37.1							
14	ASB	EP	19 13	37.9	4.9	.2					
14	ASD	EP	19 13	38.5	10.4	.3					
.....											
14	AND	IP	19 22	4.8							
14	ASD	EP	19 22	5.0	2.2	.1					NO S VISIBLE
14	ANA	EP	19 22	5.0							
14	ASC	EP	19 22	5.1							POSS LOCAL
14	SSI	EP	19 22	13.1	7.6	.1					

MAR 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
15	3 36	37.52	51.54 N 178.91 E	DEPTH = 48.0 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
15	AND	IP	03 36 45.0				4	54	-.0	
		ES	03 36 50.6						.1	
15	ANA	EP	03 36 45.4				20	299	-.2	
15	ASC	EP	03 36 45.8				20	116	.2	
15	ASB	EP	03 36 46.5	3.2	.1	2.34	31	131	.1	
15	ASD	EP	03 36 46.6	4.1	.1	2.46	34	119	-.1	
		ES	03 36 53.0						-.3	
15	5 33	28.48	51.88 N 178.52 E	DEPTH = 109.8 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
15	RAT	EP	05 33 43.7				16	237	-.0	SPIKING
15	ANA	EP	05 33 44.2				30	161	.1	Q(S)
		E(S)	05 33 55.5						-.0	
15	AND	IP	05 33 44.7				46	140	-.1	
15	ASC	EP	05 33 46.1				64	136	.2	
15	ASB	EP	05 33 46.7	1.1	.1	2.21	76	139	-.1	
15	ASD	EP	05 33 46.9	1.8	.1	2.44	78	133	-.1	
15	6 6	26.05	50.93 N 179.06 W	DEPTH = 18.6 KM			FREE DEPTH SOLUTION			
			DELAROF ISLANDS, ALEUTIAN ISLANDS							
15	ASD	EPN	06 06 45.9				123	295	.0	
		IPG	06 06 46.9	17.5	.1	3.39				
15	ASB	EPN	06 06 47.4				128	293	.8	
		IPG	06 06 48.3	9.7	.1	3.15				
		E(S)	06 07 1.0						-.6	
15	ASC	EPN	06 06 48.1				137	296	.0	
		IPG	06 06 49.4							
15	SSI	IP C	06 06 48.9	64.3	.1	4.01	142	319	.0	
15	AND	EPN	06 06 50.6				155	298	-.2	
		EPG	06 06 51.8							
15	ANA	EPN	06 06 53.9				177	297	-.1	QP
15	RAT	EPN	06 06 57.2				206	299	-.5	QP
		EPG	06 06 58.5	19.9	.1					
		E(S)	06 07 21.4						.6	
15	ADK	EP	06 06 59.0				196	56	2.4	
		ES	06 07 19.0						.2	
15	7 23	49.00	51.05 N 178.19 W	DEPTH = 33.0 KM			TELESEISMIC SOLUTION			
			ANDREANOF ISLANDS, ALEUTIANS ISLANDS							
15	ADK	EP C	07 24 11.0				139	48	-.2	
		ES	07 24 26.9						-.5	
15	ASD	IP	07 24 14.4				176	283	-1.4	
		EPG	07 24 15.7	15.1	.1	3.47				
15	SSI	IP C	07 24 15.3	37.2	.1	3.87	180	302	-1.0	
		IS	07 24 34.4						-1.8	
15	ASB	IP	07 24 16.2	17.8	.1	3.55	182	282	-.3	
		I(S)	07 24 35.8						-.8	
15	ASC	EP	07 24 16.8				190	285	-.7	
15	AND	EP	07 24 19.1				207	287	-.5	
15	ANA	EP	07 24 22.1				228	287	-.1	
15	RAT	EP	07 24 26.1	153.7	.4		256	290	.5	QP
		E(S)	07 24 54.0						1.7	

MAR 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
15	7 52	32.16	51.07 N 179.65 W	DEPTH = 25.0 KM		FIXED DEPTH SOLUTION				
DELAROF ISLANDS, ALEUTIAN ISLANDS										
15	ASD	IP	07 52 45.5	4.1	.1	2.60	79	298	-.1	
15	ASB	EP	07 52 46.1	4.7	.1	2.68	84	293	-.2	
15	ASC	IP	07 52 48.0				94	299	.2	
15	SSI	IP	07 52 49.6	20.5	.1	3.41	106	330	-.0	
		ES	07 53 2.3						-.0	
15	AND	EP	07 52 50.5				112	300	.0	
.....										
15	ASD	IP	07 54 50.4	6.3	.1					
15	ASB	IP	07 54 50.8	3.2	.1					
15	ASC	EP	07 54 52.4							
15	AND	IP	07 54 54.6							
		E(S)	07 55 3.7							
15	ANA	EP	07 54 57.6							QP
15	ASB	EP	08 35 48.6	4.7	.1					
15	AND	IP C	08 35 49.1							
		I(S)	08 36 7.5							
15	ANA	EP	08 35 49.1							
15	ASD	IP	08 35 49.2	3.2	.1					
15	ASC	EP	08 35 49.3							
15	SSI	E(P)	08 35 55.6	20.2	.1					Q(P)
.....										
15	9 23	4.30	50.96 N 178.80 E	DEPTH = 25.9 KM		FREE DEPTH SOLUTION				
RAT ISLANDS, ALEUTIAN ISLANDS										
15	ASB	IPGC	09 23 14.2	47.3	.1	3.53	55	35	.0	
		IS	09 23 21.3						-.1	
15	ASD	IPGD	09 23 15.0	39.8	.1	3.50	61	38	-.1	
		IS	09 23 23.0						-.0	
15	ASC	IPGD	09 23 15.3				62	24	.1	
15	AND	IPGD	09 23 16.2				68	9	.1	
15	ANA	IPG	09 23 17.3				75	353	.2	
15	RAT	EP	09 23 20.5	41.2	.1	3.68	99	341	-.2	
15	SSI	IP	09 23 23.5	59.0	.2	3.60	118	28	.0	
.....										
15	ASD	IP	10 29 23.3	4.5	.1	2.76				
15	ASB	EP	10 29 24.1	3.0	.1	2.60				
		E(S)	10 29 37.0							
15	ASC	EP	10 29 25.6							
15	SSI	EP	10 29 26.8	12.7	.1					
15	AND	EP	10 29 28.0							
15	ANA	EP	10 29 30.8							QP
15	RAT	EP	10 29 34.9	6.8	.1					QP
.....										
15	12 11	56.22	51.33 N 178.57 E	DEPTH = 53.6 KM		FREE DEPTH SOLUTION				
RAT ISLANDS, ALEUTIAN ISLANDS										
15	ANA	EPG	12 12 6.0				34	11	.2	
15	AND	EPG	12 12 6.3				37	46	.2	
		ES	12 12 13.4						.1	
15	ASB	EP	12 12 7.1	1.0	.1	1.93	47	86	.1	VQP
		ES	12 12 14.5						-.4	
15	RAT	EP	12 12 7.5	5.8	.1	2.72	55	343	-.3	QP
15	SSI	EP	12 12 12.3	5.4	.1	2.82	94	48	.0	QP
.....										
15	ASD	EP	16 59 12.1	2.2	.1	2.60				
		ES	16 59 29.7							
15	ASB	EP	16 59 13.1	14.2	.2	3.11				
		ES	16 59 31.1							
15	ASC	EP	16 59 14.1							

MAR 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
15	AND	EP	16 59 15.9							QP
15	SSI	EP	18 15 13.6							
		IP	18 15 15.0	11.1	.1					
15	ASD	EP	18 15 15.1	12.9	.2	3.12				
15	ASB	EP	18 15 15.4	18.6	.2	3.29				QP
		E(S)	18 15 36.5							
15	ASC	EP	18 15 17.2							QP
15	AND	EP	18 15 17.8							QP
15	ANA	EP	18 15 20.4							QP
15	RAT	EP	18 15 22.6	45.5	.2					QP

FREE DEPTH SOLUTION										
15	23	2	16.01	51.66 N	178.79 E	DEPTH = 78.9 KM				
RAT ISLANDS, ALEUTIAN ISLANDS										
15	ANA	IPG	23 02 27.4				10	249	.0	
		ES	23 02 35.9						.2	
15	AND	IPGD	23 02 27.5				15	133	-0	QDIR
15	ASC	IPG	23 02 28.3				34	130	.0	
15	RAT	IPG	23 02 28.3	155.5	.1	4.19	35	297	-1	
		IS	23 02 37.2						-2	
15	ASD	IPGD	23 02 29.1	6.7	.1	2.85	48	127	-1	NICE LOCAL
15	ASB	IPG	23 02 29.1	8.2	.1	2.93	46	136	.1	
		ES	23 02 38.3						-2	
15	SSI	IPG	23 02 30.2	11.1	.1	3.10	61	64	.0	
		ES	23 02 40.5						-0	

TELESEISMIC SOLUTION										
15	23	16	47.20	51.44 N	178.02 W	DEPTH = 33.0 KM				
ANDREANOF ISLANDS, ALEUTIANS ISLANDS										
15	ADK	IP C	23 17 5.0				105	61	.3	ML4.0 D1.1 SM
		ES	23 17 22.2						4.8	
15	SSI	IP C	23 17 12.5				172	288	-1.0	OL
		IS	23 17 31.7						-1.0	
15	ASD	IP C	23 17 14.2				183	269	-6	OL, LARGE
		ES	23 17 34.7						-3	
15	ASB	IP D	23 17 15.0				190	268	-6	
		ES	23 17 36.5						.1	
15	ASC	IP	23 17 16.1				195	272	-2	OL
15	AND	IP D	23 17 17.5				210	275	-6	OL
15	ANA	IP	23 17 20.4				230	276	-3	OL
15	RAT	EP	23 17 24.3				255	280	.6	OL

16	ANA	EP	02 02 34.3							
16	AND	EP	02 02 34.8							
16	ASB	EP	02 02 34.9	4.1	.1	2.93				
		E(S)	02 02 56.2							
16	ASD	EP	02 02 35.8	4.2	.1	2.96				
16	SSI	IP	02 02 43.3	15.5	.1					
16	ANA	EP	02 17 4.1							NEAR REGIONAL
		IP	02 17 6.7							
16	AND	EP	02 17 5.5							
		IP	02 17 8.5							
16	SSI	EP	02 17 11.2	16.2	.2					QP

FIXED DEPTH SOLUTION										
16	6	51	15.81	51.12 N	179.24 E	DEPTH = 25.0 KM				
RAT ISLANDS, ALEUTIAN ISLANDS										
16	ASB	EPG	06 51 22.1	1.2	.1	1.75	27	1	.2	V. POOR
		IS	06 51 26.4						.0	
16	ASD	EPG	06 51 22.3	2.9	.1	2.17	31	13	-1	SM. LOCAL
16	AND	EPG	06 51 25.4				54	338	-1	QP

MAR 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
16	ASD	EP	07 33 56.8	3.2	.1	2.82				
16	ASB	EP	07 33 57.3	3.2	.1	2.83				
		E(S)	07 34 18.6							
16	ASC	EP	07 33 58.3							
.....										
16	9 2 31.61		51.91 N 178.26 E	DEPTH = 75.7 KM				FREE DEPTH SOLUTION		
			RAT ISLANDS, ALEUTIAN ISLANDS							
16	RAT	EP	09 02 42.7	17.4	.1	3.19	13	159	.0	
		IS	09 02 50.7						-.0	
16	ANA	IP	09 02 43.9				42	139	-.1	
		ES	09 02 53.2						.1	
16	AND	IP	09 02 45.4				62	129	-.1	
		ES	09 02 55.6						-.1	
16	ASC	EP	09 02 47.5				80	128	.2	QP
16	ASB	EP	09 02 48.4	3.9	.1	2.72	92	131	-.1	
16	ASD	EP	09 02 48.8	4.1	.1	2.74	94	127	.0	
.....										
16	9 14 29.48		52.00 N 178.07 E	DEPTH = 147.0 KM				FREE DEPTH SOLUTION		
			RAT ISLANDS, ALEUTIAN ISLANDS							
16	RAT	IP D	09 14 49.4	352.6	.1	4.77	29	141	-.1	QTAMP.MIN.AMPL.
		IS	09 15 3.3						-.9	
16	ANA	IP D	09 14 50.8				58	135	.2	
		IS	09 15 7.5						1.4	
16	AND	IP D	09 14 51.7				78	128	-.0	
16	ASC	EP	09 14 53.2				96	128	.3	
16	SSI	IP D	09 14 53.6	66.4	.2	3.81	105	96	.0	
16	ASB	IP D	09 14 53.7	121.6	.2	4.08	108	131	-.1	
		IS	09 15 10.9						-.7	
16	ASD	IP D	09 14 53.9	176.3	.2	4.25	111	127	-.1	
.....										
16	ADK	EP	10 09 57.2							
		ES	10 10 7.7							
16	ASD	EP	10 10 14.3	6.2	.2					
		I(S)	10 10 44.5							
16	ASC	EP	10 10 14.8							
16	ASB	EP	10 10 14.9	7.6	.2					QP
16	SSI	EP	10 54 43.2	8.9	.1					
16	ASD	EP	10 54 45.4	6.7	.1	3.14				
		E(S)	10 55 6.1							
16	ASB	EP	10 54 46.1	9.2	.1	3.29				
		ES	10 55 7.4							
16	ASC	EP	10 54 47.2							QP
16	AND	EP	10 54 49.5							QP
.....										
16	12 32 30.60		10.92 S 163.69 E	DEPTH = 42.0 KM				MB = 5.8	MS = 6.4	TELESEISMIC SOLUTION
			SOLOMON ISLANDS							
16	ADK	EP	12 43 12.7				7205	13		ER 1301570
		ES	12 51 52.0							
		EL	12 59 2.8							
.....										
16	15 53 44.91		50.69 N 173.86 E	DEPTH = 50.0 KM				FIXED DEPTH SOLUTION		
			RAT ISLANDS, ALEUTIAN ISLANDS							
16	RAT	EP	15 54 30.3	23.2	.1		336	67	-.3	QP
		E(S)	15 55 3.9						-.0	
16	ANA	EP	15 54 33.1				351	71	.5	
16	AND	EP	15 54 34.8				369	73	.1	
16	ASC	EP	15 54 36.1				381	75	-.1	QP

MAR 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
16	ASB	EP	15 54 36.5	2.6	.1		385	77	-.2	QP
		E(S)	15 55 14.5						.0	
16	20 15 38.50	51.55 N 179.62 W	DEPTH = 81.8 KM							FREE DEPTH SOLUTION
			DELAROF ISLANDS, ALEUTIAN ISLANDS							
16	SSI	EP	20 15 53.5	15.1	.1	3.26	67	306	.1	
		IS	20 16 4.2						-.1	
16	ASD	IP C	20 15 54.0	25.8	.1	3.51	74	257	-.1	
		ES	20 16 5.3						-.1	
16	ASB	IP C	20 15 54.7	33.9	.1	3.64	81	256	-.0	
		IS	20 16 6.6						.0	
16	ASC	EP	20 15 55.2				84	264	.1	
		IS	20 16 7.3						.1	
16	AND	IP	20 15 56.3				98	272	-.2	
16	ANA	EP	20 15 58.7				119	275	.0	
16	20 35 18.80	8.32 N 127.14 E	DEPTH = 52.0 KM MB = 5.7							TELESEISMIC SOLUTION
			PHILIPPINE ISLANDS REGION							
16	RAT	EP	20 45 22.8				6688	34		QP
16	AND	EP	20 45 24.2				6715	34		TELE
16	SSI	EP	20 45 31.1				6770	34		
16	ADK	EP	20 45 41.3				7004	35		MS6.2 D64.0
		ES	20 54 20.0							
		EL	21 01 21.0							
17	2 36 24.34	51.20 N 178.06 E	DEPTH = 10.8 KM							FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
17	ANA	IPG	02 36 35.2				63	41	-.0	
17	RAT	IPGD	02 36 35.5	157.0	.1	4.11	69	16	-.7	
		IS	02 36 43.9						-.9	
17	AND	IPG	02 36 36.5				74	57	-.4	
17	ASB	IPG	02 36 38.2	7.0	.1	2.84	85	77	-.3	
		ES	02 36 48.1						-.7	
17	ASD	EPG	02 36 39.0	1.7	.1	2.25	92	76	-.6	
		ES	02 36 49.7						-1.0	
17	SSI	EP	02 36 45.3	51.0	.1	3.88	131	53	-.2	
17	ASB	EP	03 03 33.9	8.3	.1	3.13				
		ES	03 03 50.1							
17	ASD	EP	03 03 34.3	4.6	.1	2.89				
17	ASC	E(P)	03 03 36.2							QP
17	AND	EP	03 03 36.3							
17	SSI	EP	03 03 42.9	25.4	.1					
17	ADK	EP	06 18 42.8							
		ES	06 18 50.6							
17	ASD	EP	06 19 11.6	2.9	.2					QP
17	ASB	E(P)	06 19 12.7	2.3	.1					QP, QS
		E(S)	06 19 42.2							
17	ANA	EP	06 19 12.9							QP
17	9 56 49.22	51.38 N 179.75 E	DEPTH = 7.9 KM							FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
17	ASD	IPGC	09 56 54.6	14.8	.1	2.74	28	272	.0	
17	ASB	EPG	09 56 55.7	7.1	.1	2.50	35	266	-.0	
		ES	09 57 .5						.0	
17	ASC	IPG	09 56 56.9				42	283	-.0	

PAGE 71-03- 35

MAR 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.	.	ES	09 57 2.5	.	.	.	.	.	-0.0	.
. 17	SSI	EP	09 56 59.6	6.3	.1	2.65	58	349	-0.0	.
. 17	AND	EPG	09 56 59.8	.	.	.	59	290	.1	.
. 17	ANA	EPG	09 57 2.9	.	.	.	80	290	-1.1	.
.....										
. 17	12 38	.80	51.87 N 178.26 W DEPTH = 33.0 KM						TELESEISMIC SOLUTION	
DEAROF ISLANDS, ALEUTIAN ISLANDS										
. 17	ADK	EP	12 38 19.1	.	.	.	108	88	.3	.
.	ES		12 38 33.3	.	.	.	.	.	1.5	.
. 17	SSI	IP C	12 38 22.5	45.2	.1	3.88	148	272	-1.6	.
.	ES		12 38 38.7	.	.	.	.	.	-2.4	.
. 17	ASD	IP	12 38 26.5	50.7	.2	3.69	174	253	-0.8	.
. 17	ASB	EP	12 38 27.4	38.4	.2	3.58	181	253	-0.8	POSS.P/S CONV.
.	IS		12 38 48.8	.	.	.	.	.	.6	.
. 17	ASC	EP	12 38 28.3	.	.	.	183	257	-0.2	.
. 17	AND	IP	12 38 29.3	.	.	.	195	261	-0.6	.
. 17	ANA	EP	12 38 32.1	.	.	.	214	264	-0.1	.
. 17	RAT	EP	12 38 35.3	18.2	.2	.	235	270	.5	.
.....										
. 17	15 56 20.34		51.13 N 178.20 W DEPTH = 50.0 KM						FIXED DEPTH SOLUTION	
ANDREANOF ISLANDS, ALEUTIANS ISLANDS										
. 17	ADK	EP	15 56 41.8	.	.	.	134	51	.6	.
.	ES		15 56 57.8	.	.	.	.	.	1.4	.
. 17	ASD	EP	15 56 45.3	25.8	.2	3.40	174	281	-0.8	.
. 17	SSI	IP	15 56 45.9	23.5	.1	3.67	175	300	-0.3	.
.	ES		15 57 4.8	.	.	.	.	.	-0.3	.
. 17	ASB	EP	15 56 46.5	29.3	.2	3.47	180	279	-0.3	.
.	IS		15 57 6.4	.	.	.	.	.	.3	.
. 17	ASC	EP	15 56 47.7	.	.	.	187	282	-0.0	.
. 17	AND	EP	15 56 49.1	.	.	.	204	285	-0.7	QP
. 17	ANA	EP	15 56 53.3	.	.	.	225	285	.9	.
. 17	RAT	IP	15 56 57.7	61.8	.2	.	252	288	2.0	.
.....										
. 17	21 27 13.28		52.56 N 179.55 W DEPTH = 97.5 KM						FREE DEPTH SOLUTION	
DEAROF ISLANDS, ALEUTIAN ISLANDS										
. 17	ASD	EP	21 27 37.8	1.7	.1	2.52	150	211	.0	.
. 17	ASB	EP	21 27 38.4	2.8	.1	2.75	157	212	-0.1	QP
.	ES		21 27 57.0	.	.	.	.	.	.1	.
. 17	ANA	EP	21 27 39.0	.	.	.	160	231	.1	QP
.	IS		21 27 57.5	.	.	.	.	.	-0.1	.
.....										
. 17	21 30 2.35		51.60 N 179.91 W DEPTH = 109.9 KM						FREE DEPTH SOLUTION	
DEAROF ISLANDS, ALEUTIAN ISLANDS										
. 17	ASD	IP	21 30 19.3	4.3	.1	2.78	57	246	-0.0	.
.	ES		21 30 31.7	.	.	.	.	.	.0	.
. 17	ASB	EP	21 30 19.8	4.8	.1	2.83	64	246	.0	.
.	ES		21 30 32.5	.	.	.	.	.	-0.0	.
. 17	ASC	EP	21 30 19.9	.	.	.	65	257	.0	.
.....										
. 17	23 39 40.30		51.28 N 178.39 E DEPTH = 39.7 KM						FREE DEPTH SOLUTION	
R										

PAGE 71-03- 36

MAR 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
		IS	23 40 0.0						-0.2	
17	ASD	EP	23 39 52.6	3.4	.1	2.49	67	79	-0.1	
17	SSI	EP	23 39 58.0	10.7	.1	3.14	107	50	.0	
18	SSI	IP	00 00 22.9	23.4	.1					
18	ASD	EP	00 00 24.4	7.8	.1	3.18				
		ES	00 00 43.8							
18	ASB	EP	00 00 25.5	30.3	.2	3.48				
		IS	00 00 45.6							
18	ASC	EP	00 00 26.7							
		ES	00 00 47.4							
18	ANA	E(P)	00 00 34.0							Q(P)
18	RAT	EP	00 00 34.6	11.7	.1					
18	0 42 57.15		51.62 N 179.44 E DEPTH = 23.2 KM							FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
18	ASD	EPG	00 43 3.0	1.3	.1	1.75	27	195	-0.1	SM.LOCAL
		IS	00 43 7.4						.0	
18	ASC	IPG	00 43 3.0				26	227	.0	
18	ASB	EPG	00 43 3.8	2.2	.1	2.04	32	205	.0	
		IS	00 43 8.5						-0.1	
18	ANA	E(P)	00 43 6.8				54	271	.0	VQP
18	2 55 55.14		50.14 N 178.89 E DEPTH = 0.0 KM							FIXED DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
18	ASB	IP C	02 56 18.8	18.6	.1	3.46	138	10	.3	
		IS	02 56 35.5						-0.0	
18	ASD	IP D	02 56 19.2	9.7	.1	3.19	143	13	-0.0	
18	ASC	IP	02 56 20.2				149	7	.1	
18	ANA	IP	02 56 22.6				165	355	-0.2	
18	RAT	IP	02 56 26.2	11.5	.1	3.37	189	348	.0	
18	SSI	IP	02 56 27.7	29.3	.1		201	14	-0.3	
18	5 38 10.40		51.73 N 179.53 W DEPTH = 105.6 KM							FREE DEPTH SOLUTION
			DELAROF ISLANDS, ALEUTIAN ISLANDS							
18	ASD	IP	05 38 29.0	4.9	.1	2.87	86	245	-0.1	
18	ASB	IP	05 38 29.8	8.0	.1	3.10	94	245	.0	
		ES	05 38 43.9						-0.0	
18	ASC	EP	05 38 30.0				95	252	.1	
18	ANA	EP	05 38 32.7				125	266	-0.1	
18	6 59 56.99		51.80 N 177.98 E DEPTH = 121.8 KM							FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
18	ANA	IP	07 00 14.9				51	112	-0.0	
18	ASC	EP	07 00 17.7				90	114	.2	
18	ASB	EP	07 00 18.4	2.8	.1	2.69	101	119	.0	
		ES	07 00 34.0						.0	
18	ASD	EP	07 00 18.6	6.0	.1	3.03	105	115	-0.1	
		ES	07 00 34.6						-0.0	

MAR 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
-------------	-----	-------	---------------	-------------	--------------	-----	--------------	--------------	--------------	---------

.....
 18 19 2 11.36 51.19 N 178.71 E DEPTH = 25.0 KM FIXED DEPTH SOLUTION
 RAT ISLANDS, ALEUTIAN ISLANDS

18	ASC	IPG	19 02 19.6				44	46	-.0	TWO EVENTS
18	ASB	IPGC	19 02 19.8	174.3	.1	4.02	42	63	.5	
		IS	19 02 25.2						.0	
18	ASD	IPGD	19 02 19.9				49	63	-.5	
18	ANA	IPG	19 02 20.3				48	356	.0	

.....

.....
 18 19 23 19.99 50.77 N 179.46 E DEPTH = 25.0 KM FIXED DEPTH SOLUTION
 RAT ISLANDS, ALEUTIAN ISLANDS

18	ASB	IPG	19 23 31.7	10.9	.1	2.97	68	347	.0	POOR TAMP
		IS	19 23 40.2						.0	
18	ASD	IPG	19 23 32.0	7.7	.1	2.83	70	353	-.0	POOR TAMP
18	ASC	EPG	19 23 33.5				80	345	-.0	QP

.....

18	ASD	EP	22 18 49.3	5.5	.1	2.97				
		E(S)	22 19 6.4							
18	SSI	E(P)	22 18 50.5	14.2	.1					

18	ASD	IP	22 58 5.4	9.5	.1	3.26				POSS P/S CONV.
18	ASB	IP	22 58 6.4	15.8	.1	3.50				
		ES	22 58 26.4							
18	ASC	IP	22 58 7.5							
18	ANA	EP	22 58 11.8							

.....

.....
 19 2 25 32.91 51.21 N 179.51 E DEPTH = 49.9 KM FREE DEPTH SOLUTION
 RAT ISLANDS, ALEUTIAN ISLANDS

19	ASD	IPGC	02 25 41.3				23	330	-.1	LARGE LOCAL, OL
19	ASB	IPGD	02 25 41.5	640.1	.1	4.63	25	312	-.0	
		ES	02 25 47.7						-.1	
19	ASC	IPGC	02 25 42.7				37	320	.2	OL
19	ANA	IPG	02 25 46.7				75	308	.1	OL
19	SSI	IP C	02 25 46.7				76	4	-.0	OL
19	RAT	IPND	02 25 50.0				105	309	-.2	OL
		IPG	02 25 50.4							

.....

19	ADK	EP	04 27 41.6							
		ES	04 27 49.5							

.....

.....
 19 11 51 22.88 51.54 N 179.46 E DEPTH = 20.5 KM FREE DEPTH SOLUTION
 RAT ISLANDS, ALEUTIAN ISLANDS

19	ASD	IPGC	11 51 27.6	144.2	.1	3.71	19	207	.0	
		ES	11 51 30.9						-.1	
19	ASC	IPGC	11 51 28.0				22	247	.0	
19	ASB	IPGD	11 51 28.4	174.0	.1	3.85	25	217	.1	
		ES	11 51 32.2						-.1	
19	SSI	IPGC	11 51 30.4	130.8	.1	3.86	40	12	.0	
19	ANA	IPG	11 51 32.6				56	280	-.2	
19	RAT	EP	11 51 36.8	22.4	.1	3.35	83	291	-.0	QP
		E(S)	11 51 47.1						.2	

.....

MAR 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
19	16 50	.08	52.17 N 178.21 E	DEPTH = 135.9 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
19	RAT	IP D	16 50 19.1	56.1	.1	3.95	42	169	-.1	
		ES	16 50 33.2						.0	
19	ANA	IP	16 50 20.6				68	152	.1	
		IS	16 50 35.5						.1	
19	ASB	EP	16 50 23.9	6.8	.1	3.12	115	141	-.0	
		IS	16 50 41.2						-.1	
19	ASD	EP	16 50 24.1	6.4	.1	3.10	116	137	.0	
19	ASD	EP	17 16 28.2	1.7	.1	2.40				
19	ASB	EP	17 16 28.5							
		ES	17 16 43.5							
19	23 0	22.50	51.07 N 179.05 E	DEPTH = 27.1 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
19	ASB	IPG	23 00 29.9				35	23	.1	
		ES	23 00 35.3						.2	
19	ASD	IPG	23 00 30.4	7.4	.1	2.65	41	30	-.2	LOCAL
		ES	23 00 36.2						-.3	
19	ASC	IPG	23 00 31.1				45	11	.1	
19	ANA	IPG	23 00 34.2				68	337	-.1	
19	SSI	IP C	23 00 39.0	13.7	.1	3.21	99	22	.1	
19	23 5	1.68	51.05 N 179.10 E	DEPTH = 28.0 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
19	ASB	EPG	23 05 9.3	18.6	.2	2.72	36	16	.1	
		ES	23 05 14.7						.1	
19	ASD	IPG	23 05 9.8	5.2	.1	2.50	42	24	-.1	LOCAL
19	ASC	EPG	23 05 10.5				46	5	-.0	
19	ANA	EPG	23 05 13.7				71	335	-.4	QP
19	SSI	EP	23 05 18.3	16.8	.1	3.30	100	20	.0	QP
19	RAT	EP	23 05 18.5	19.7	.1	3.37	99	328	.3	QP
19	23 18	56.35	51.50 N 179.34 E	DEPTH = 82.0 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
19	ASD	IPGD	23 19 8.0				12	181	-.1	WHITE OUT. LOCAL
19	ASB	IPGC	23 19 8.2	349.4	.1	4.53	17	204	-.0	
		ES	23 19 17.0						.1	
19	ASC	IPGD	23 19 8.2				13	253	.0	
19	SSI	EP	23 19 9.7	56.3	.1	3.78	47	21	-.1	QP
		IS	23 19 19.6						.1	
19	ANA	IPG	23 19 10.1				49	287	.2	
19	RAT	IP C	23 19 12.3				78	296	.0	WHITE OUT
		ES	23 19 23.7						-.2	
19	ASB	EPG	23 52 44.8	8.9	.2	2.43				
		ES	23 52 50.2							
19	ASD	EPG	23 52 45.3	3.9	.1	2.40				POOR LOCAL
20	ASD	EP	06 01 49.7	7.1	.1					POOR
20	ASB	EP	06 01 50.0							
		E(S)	06 02 13.8							
20	RAT	EP	06 01 50.8	17.4	.1					
20	ASD	IPGD	06 25 48.6	151.9	.1	3.62				ASC ANA OFF AIR
		ES	06 25 50.9							

MAR 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
20	ASB	EPG IS	06 25 49.1 06 25 52.4	3.9	.1	2.18				VERY LOCAL
20	ASD	EP	07 12 14.0	3.2	.1	2.45				POOR
20	ASB	EP ES	07 12 14.8 07 12 23.6	2.5	.1	2.37				
20	ASB	IPG ES	08 20 12.4 08 20 18.5	4.0	.1	2.43				
20	ASD	IPG	08 20 12.9	2.7	.1	2.28				
20	ANA	I(P)	09 50 9.3							
20	ASD	EP E(S)	09 50 9.7 09 50 18.5	2.2	.1	2.32				
20	ASD	IP	10 24 56.8	9.1	.1	3.05				
20	ASB	ES	10 25 8.6							
20	ASB	IP	10 24 57.8	21.0	.1	3.43				
20	SSI	ES	10 25 10.2							
20	SSI	E(P)	10 24 57.9	4.4	.1					QP.V.NOISY
.....										
20	11 51 12.20	51.49 N 177.48 E DEPTH = 113.8 KM RAT ISLANDS, ALEUTIAN ISLANDS								FREE DEPTH SOLUTION
20	RAT	IP D	11 51 30.3				68	59	-.0	
20	IS		11 51 43.4						-.2	
20	ANA	EP	11 51 31.7				83	79	.3	
20	ASC	EP	11 51 34.2				117	91	-.2	QP.NOISY
20	ASD	EP	11 51 35.2	7.1	.1	3.13	130	94	-.4	
20	ASB	EP	11 51 35.3				124	96	.3	POSS P TO S CNV
20	ES		11 51 51.8						.1	
20	SSI	E(P)	11 51 38.0				152	72	.1	QP. V.NOISY
.....										
20	16 18 1.99	51.25 N 179.71 W DEPTH = 25.0 KM DELAROF ISLANDS, ALEUTIAN ISLANDS								FIXED DEPTH SOLUTION
20	ASD	IPGD	16 18 13.6	35.3	.1	3.48	68	284	-.1	
20	ASB	IPGD	16 18 14.6	203.9	.2	3.97	73	280	.1	POSS P/S CONV
20	IS		16 18 23.7						.0	
20	ASC	EPG	16 18 15.8				82	287	.1	QP.NOISY
.....										
20	19 36 49.85	51.65 N 179.49 E DEPTH = 0.0 KM RAT ISLANDS, ALEUTIAN ISLANDS								FREE DEPTH SOLUTION
20	ASD	IPG	19 36 55.4	6.2	.1	2.39	31	200	-.1	
20	ES		19 36 59.5						-.1	
20	ASB	EPG	19 36 56.6	6.3	.1	2.46	37	208	.1	PROB P/S CONV
20	IS		19 37 1.4						.0	
20	ANA	EPG	19 37 .3				58	267	-.0	
.....										
20	19 45 52.30	60.20 N 150.61 W DEPTH = 41.0 KM MB = 3.9 KENAI PENINSULA, ALASKA								TELESEISMIC SOLUTION
20	ANA	EP	19 56 25.7							
20	ES		19 56 32.5							
20	ASB	EP	19 56 26.7	5.5	.1	2.63				QP QS.V.EMERGNT
20	ES		19 56 33.8							
20	ASD	EP	23 28 13.2	4.6	.1	2.70				
20	ES		23 28 23.4							
20	ASC	EP	23 28 14.3							

PAGE 71-03- 40

MAR 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
20	23 28	23.56	51.53 N 179.14 E	DEPTH = 68.9 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
20	ASC	IPG	23 28 33.9				7	169	.2	
		IS	23 28 41.3						.3	
20	ASD	EPG	23 28 34.0	21.4	.1	3.26	20	138	-.0	
		IS	23 28 41.5						-.2	
20	ASB	EPG	23 28 34.0	6.8	.1	2.76	20	159	-.0	
		IS	23 28 41.5						-.1	
20	ANA	IPG	23 28 34.7				35	288	-.1	
20	SSI	EP	23 28 36.0	14.2	.1	3.15	51	37	.0	
		ES	23 28 45.0						-.0	
.....										
.....										
21	2 6	52.70	52.25 N 176.80 W	DEPTH = 211.0 KM			TELESEISMIC SOLUTION			
ANDREANOF ISLANDS, ALEUTIANS ISLANDS										
21	ADK	EP	02 07 19.3				41	169	-1.5	
		ES	02 07 39.7						-1.6	
21	ASD	IP	02 07 37.2				282	252	-1.2	
21	ASB	IP	02 07 38.1				289	252	-1.1	
		ES	02 08 11.4						-1.7	
21	ASC	IP	02 07 38.4				291	254	-.9	
		IS	02 08 12.4						-.9	
21	ANA	IP	02 07 41.3				319	259	-.9	
.....										
21	ASB	IP	02 56 2.0	68.0	.1	4.09				
		ES	02 56 20.0							
21	ANA	IP	02 56 2.5							
21	ASD	IP	02 56 2.7	52.1	.1	3.98				
21	ASC	IP	02 56 2.7							
21	SSI	EP	02 56 10.8	68.7	.1					
.....										
21	4 53	21.18	51.74 N 179.09 E	DEPTH = 93.5 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
21	ANA	IP	04 53 35.0				32	247	-.0	
21	ASC	IP	04 53 35.0				31	171	.0	
21	ASD	IP	04 53 35.5	6.2	.1	2.86	43	156	-.0	
21	ASB	IP	04 53 35.6				44	166	.0	
		IS	04 53 46.1						-.0	
.....										
21	ASD	IP	09 58 46.6	9.4	.1	3.10				
		IS	09 58 59.6							
21	ASC	IP	09 58 47.3							
.....										
21	22 21	6.31	51.20 N 178.75 E	DEPTH = 24.4 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
21	ASB	IP	22 21 13.9	52.3	.1	3.47	39	62	.0	
		IS	22 21 19.2						-.2	
21	ASC	IP	22 21 14.5				41	44	.3	
21	ASD	IP	22 21 14.8	34.3	.1	3.34	46	62	-.1	
21	ANA	IP	22 21 15.3				48	352	.1	
21	RAT	IP	22 21 18.7				73	336	-.1	
21	SSI	IP	22 21 22.3	48.8	.1	3.75	97	36	-.0	
		IS	22							

MAR 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
22	1 59	22.24	51.18 N 178.73 E	DEPTH = 25.2 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
22	ASB	EPG	01 59 30.2	4.5	.1	2.42	41	61	.0	
		IS	01 59 35.9						-.0	
22	ASC	IPG	01 59 30.6				43	44	.1	
22	ASD	E(P)	01 59 31.1	2.4	.1	2.20	49	61	-.1	
22	ANA	IPG	01 59 31.3				50	355	-.0	
22	2 15	1.90	51.11 N 178.54 W	DEPTH = 75.0 KM			FIXED DEPTH SOLUTION			
			DELAROF ISLANDS, ALEUTIAN ISLANDS							
22	ASD	EP	02 15 25.2	1.8	.1	2.53	151	283	-.2	
		ES	02 15 42.2						-.3	
22	ASB	EP	02 15 26.2	12.9	.2	3.09	157	281	.1	
		ES	02 15 43.9						.2	
22	ASC	EP	02 15 27.1				164	285	.1	
		ES	02 15 45.5						.2	
22	4 32	57.80	49.74 N 78.19 E	DEPTH = 0.0 KM MB = 5.8			TELESEISMIC SOLUTION			
			EASTERN KAZAKH SSR							
22	ADK	EP	04 43 11.0				6729	43		
22	ASB	EPG	05 21 38.0	4.2	.1	2.47				QP QS
		E(S)	05 21 44.4							
22	ASD	EPG	05 21 38.7	1.8	.1	2.14				
22	5 31	40.66	52.76 N 177.85 W	DEPTH = 50.0 KM			FIXED DEPTH SOLUTION			
			ANDREANOF ISLANDS, ALEUTIANS ISLANDS							
22	ASD	EP	05 32 15.0	2.7	.1		246	233	-.2	QP V. EMERGENT
22	ASC	EP	05 32 15.8				250	236	-.0	QP
		E(S)	05 32 41.5						.0	
22	ASB	EP	05 32 16.4	12.4	.2		253	233	.3	QP
22	ADK	EP	06 29 21.0							
		ES	06 29 44.3							
22	7 30	22.62	51.43 N 179.30 E	DEPTH = 37.7 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
22	ASD	IPGD	07 30 28.7	38.8	.1	3.26	5	141	-.1	NICE LOCAL
		ES	07 30 33.0						-.2	
22	ASB	IPGC	07 30 28.8	49.0	.1	3.37	8	205	-.0	
		IS	07 30 33.4						.0	
22	ASC	IPG	07 30 29.2				10	294	.3	
22	RAT	E(P)	07 30 36.4	45.7	.1	3.66	79	302	-.1	NOISY
22	7 43	59.80	51.09 N 179.23 E	DEPTH = 30.6 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
22	ASB	EPG	07 44 6.8	5.9	.1	2.49	30	3	.0	
		IS	07 44 11.9						.0	
22	ASD	IPG	07 44 7.3	4.3	.1	2.39	34	14	.0	
22	ASC	EPG	07 44 8.2				42	354	.0	

MAR 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
22	ASD	EPN	08 29 55.6							
		EP	08 31 2.2							
22	ASB	EPN	08 29 56.2							
		E(S)	08 31 .4							
22	ASC	EPN	08 29 57.2							
		EP	08 31 4.6							

22	13 17 45.18	51.08 N 179.41 W DEPTH = 25.0 KM					FIXED DEPTH SOLUTION				
		DELAROF ISLANDS, ALEUTIAN ISLANDS									
22	ASD	IP	13 18 .5	23.4	.1	3.42	93	292	-.2	ODD. LOWER FREQ	
		ES	13 18 11.3						-.7		
22	ASB	IP D	13 18 1.4	152.7	.3	3.77	98	289	-.1	THAN USUAL.	
		ES	13 18 13.4						.1		
22	ASC	IP	13 18 2.7				108	294	-.2		
22	SSI	IP D	13 18 3.6	72.3	.1	3.98	114	323	-.2		
22	ANA	EP	13 18 8.9				147	295	.1		
22	RAT	E(P)	13 18 12.8	49.7	.1	3.98	176	298	.2		
		E(S)	13 18 33.7						1.1		

22	14 48 43.82	51.61 N 178.46 W DEPTH = 134.4 KM					FREE DEPTH SOLUTION				
		DELAROF ISLANDS, ALEUTIAN ISLANDS									
22	SSI	EP	14 49 9.4	22.6	.1	3.67	138	284	-.2	NOISY	
		ES	14 49 28.7						.2		
22	ASD	EP	14 49 11.0	16.5	.1	3.56	154	262	-.2	QS	
		ES	14 49 31.0						-.1		
22	ASB	EP	14 49 11.8	44.2	.2	3.70	161	261	-.1	QS	
		ES	14 49 32.2						-.1		
22	ASC	EP	14 49 12.9				165	265	.6		
22	ANA	EP	14 49 15.6				199	272	-.2	QP	

22	16 14 13.28	51.48 N 179.18 E DEPTH = 24.0 KM					FREE DEPTH SOLUTION				
		RAT ISLANDS, ALEUTIAN ISLANDS									
22	ASC	IPG	16 14 17.3				2	210	.0		
22	ASB	E(P)	16 14 17.9	1.4	.1	1.69	14	161	-.0		
		ES	16 14 21.3						.0		
22	ASD	EPG	16 14 18.0	1.4	.1	1.69	15	131	.0	V.SM.LOCAL	
		ES	16 14 21.4						-.0		

22	18 35 15.43	50.86 N 178.81 W DEPTH = 75.0 KM					FIXED DEPTH SOLUTION				
		DELAROF ISLANDS, ALEUTIAN ISLANDS									
22	ASD	EPN	18 35 37.3				142	295	-.6	QS	
		IPG	18 35 38.4	14.0	.2	3.09					
		E(S)	18 35 54.2						-.1		
22	ASB	EPN	18 35 38.5	7.7	.1	3.14	147	293	.0	QPN	
22	ASC	EPN	18 35 39.4				156	296	-.2	QPN	
		EPG	18 35 40.9								
22	SSI	EP	18 35 39.9	26.3	.1	3.71	160	317	-.1		
22	RAT	EP	18 35 48.9	16.4	.1		225	299	1.1		

22	ANA	E(P)	18 59 53.0							MAY BE NOISE.
22	RAT	EP	18 59 53.4	60.1	.1					
		ES	19 00 2.3							
22	ASC	EP	18 59 53.7							
22	ASB	EP	18 59 54.6	2.7	.1					
		ES	19 00 4.3							
22	ASD	EP	18 59 54.7	3.8	.1					

PAGE 71-03- 43

MAR 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
22	20 29 28.45		51.09 N 179.31 W			DEPTH = 50.0 KM				FIXED DEPTH SOLUTION
			DELAROF ISLANDS, ALEUTIAN ISLANDS							
22	ASD	EP	20 29 44.7	3.4	.1	2.63	100	290	-.4	
22	ASB	EP	20 29 46.0	3.1	.1	2.61	105	287	.2	QS
		E(S)	20 29 58.7						.3	
22	ASC	EP	20 29 46.8				114	292	-.1	
22	SSI	EP	20 29 47.6	10.6	.1	3.18	118	320	.3	
		ES	20 30 .8						-.3	
22	ADK	IP	20 50 18.0							
		IS	20 50 25.6							
22	23 49 7.40		51.72 N 178.31 E			DEPTH = 113.2 KM				FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
22	ANA	IP	23 49 23.3				26	113	-.0	
22	ASC	IP	23 49 25.4				66	115	.1	
22	ASB	IP	23 49 26.0	4.6	.1	2.85	76	121	-.0	
		ES	23 49 39.7						.1	
22	ASD	IP	23 49 26.3	13.2	.2	3.01	80	117	-.0	
		ES	23 49 40.1						-.1	
23	ADK	EP	01 07 24.0							
23	ADK	EP	01 26 58.3							
23	SSI	EP	02 07 57.4	22.9	.1					
23	ASD	EP	02 07 59.2	18.8	.2					
23	ASB	EP	02 08 .1	36.6	.2					POSS.REGIONAL NO S VISIBLE
23	ASC	EP	02 08 .9							
23	ANA	EP	02 08 4.7							
23	RAT	EP	02 08 7.6	22.4	.1					
23	2 15 26.90		22.88 S 176.36 W			DEPTH = 76.0 KM				TELESEISMIC SOLUTION
			SOUTH OF FIJI ISLANDS							
23	ASD	EP	02 26 54.4				8233	357		TELE
23	ASB	EP	02 26 55.5	31.3	.4		8230	357		
23	ASC	EP	02 26 55.9				8242	357		
23	SSI	EP	02 26 58.3	90.6	.4		8287	357		
23	RAT	EP	02 26 58.8	96.7	.4		8284	357		
23	3 4 23.73		51.60 N 179.55 E			DEPTH = 1.0 KM				FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
23	ASD	EP	03 04 28.7	1.4	.1	1.69	27	213	.0	V.SM.LOCAL
23	ASB	EP	03 04 29.9	3.6	.1	2.19	34	219	.0	
		IS	03 04 34.4						.0	
23	RAT	E(P)	03 04 39.3	5.7	.1	2.76	87	285	.0	
23	4 22 24.36		50.91 N 177.83 E			DEPTH = 20.7 KM				FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
23	RAT	IP	04 22 41.3	25.8	.1	3.50	105	19	-.2	
		ES	04 22 54.2						.2	
23	ASB	EP	04 22 42.6	23.5	.2	3.18	111	63	.2	
		ES	04 22 55.3						-.2	
23	ASD	IP	04 22 43.5	7.3	.2	2.69	118	63</		

MAR 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
23	6 59	56.00	61.29 N 56.47 E	DEPTH =			0.0 KM	MB = 5.6		TELESEISMIC SOLUTION
			URAL MOUNTAINS REGION							
23	ADK	EP	07 10 1.5				6615	35		
23	ADK	EP	07 20 37.2							
	ES		07 20 49.5							
23	7 55	54.64	51.19 N 179.66 E	DEPTH =			22.6 KM			FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
23	ASD	IPG	07 56 1.1	4.3	.1	2.32	32	315	-.0	
23	ASB	IPG	07 56 1.5	3.5	.1	2.25	35	304	-.0	
		IS	07 56 6.5						-.0	
23	ASC	EPG	07 56 3.1				46	311	-.0	
23	9 26	29.30	70.99 N 7.03 W	DEPTH =			33.0 KM	MB = 6.0	MS = 6.3	TELESEISMIC SOLUTION
			JAN MAYEN ISLAND REGION							
23	ADK	EP	09 36 14.8				6361	352		
23	9 42	12.36	51.19 N 179.53 E	DEPTH =			25.0 KM			FIXED DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
23	ASB	EPG	09 42 18.3	1.8	.1	1.92	28	314	-.2	
		IS	09 42 23.5						.5	
23	ASD	EPG	09 42 18.7	1.4	.1	1.80	26	329	.4	POOR LOCAL
23	ASC	EPG	09 42 19.1				40	320	-1.0	
23	SSI	E(P)	09 42 25.4	2.1	.1	2.31	78	3	-.3	
		E(S)	09 42 35.3						-.0	
23	ASB	EP	10 23 15.8	62.6	.4					
23	ASD	EP	10 23 17.1	32.3	.4					QP. TELE
23	13 22	29.12	50.10 N 177.73 E	DEPTH =			75.0 KM			FIXED DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
23	ASC	EP	13 22 55.6				182	33	-.8	
23	ASB	EP	13 22 55.8	3.0	.1	2.79	176	37	.1	QS
		E(S)	13 23 13.8						-1.2	
23	ANA	IP	13 22 56.0				182	21	-.4	
23	ASD	EP	13 22 56.5	2.7	.1	2.75	183	38	.0	
23	SSI	EP	13 23 4.3	11.7	.1		238	32	1.2	
		E(S)	13 23 29.1						1.1	
23	15 10	13.90	51.23 N 178.84 E	DEPTH =			35.9 KM			FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
23	ASB	IPG	15 10 21.7	3.1	.1	2.26	32	62	.1	
		ES	15 10 27.3						.0	
23	ASC	IPG	15 10 22.1				35	41	.2	
		ES	15 10 28.0						.2	
23	ASD	IPG	15 10 22.3	2.0	.1	2.10	39	62	-.2	
		ES	15 10 28.4						-.3	
23	RAT	EP	15 10 26.9	12.0	.1	3.06	73	331	.0	
		ES	15 10 36.2						-.1	
23	SSI	EP	15 10 29.4	7.3	.1	2.91	90	35	.0	QP

MAR 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
23	SSI	IP	16 11 14.3	24.4	.1	3.50				
		ES	16 11 27.0							
23	ASD	EP	16 11 18.4	13.9	.2	3.08				
23	ASB	EP	16 11 19.6	21.7	.2	3.29				POSS P/S CONV.
		E(S)	16 11 37.7							
23	ASC	EP	16 11 20.4							EMERGENT
23	ANA	EP	16 11 24.0							
23	RAT	E(P)	16 11 27.4	15.8	.1					
23	17	5	14.35	51.54 N	179.46 E	DEPTH = 188.7 KM				FREE DEPTH SOLUTION
				RAT ISLANDS, ALEUTIAN ISLANDS						
23	ASD	EP	17 05 39.2	5.5	.1	3.05	19	205	-.1	
23	ASC	EP	17 05 39.4				22	246	.0	
		ES	17 05 57.7						.1	
23	ASB	EP	17 05 39.5	4.1	.1	2.93	25	216	.1	
		ES	17 05 57.6						-.1	
23	ANA	EP	17 05 40.2				56	280	-.0	QP
23	20	47	17.40	41.45 N	79.26 E	DEPTH = 33.0 KM				TELESEISMIC SOLUTION
				KIRGIZ-SINKIANG BORDER REGION						
23	ASD	EP	20 57 52.5	11.9	.4		7165	43		QP TELE
23	ASB	EP	20 57 53.8	19.9	.4		7161	43		QP
23	21	45	16.20	60.05 N	152.54 W	DEPTH = 137.0 KM				TELESEISMIC SOLUTION
				SOUTHERN ALASKA						
24	2	31	43.61	51.36 N	176.59 E	DEPTH = 50.0 KM				FIXED DEPTH SOLUTION
				RAT ISLANDS, ALEUTIAN ISLANDS						
24	RAT	IP C	02 32 3.4	397.3	.1	4.79	130	67	-.5	TAMP ESTIMATED
24	ANA	IP	02 32 6.0				147	78	.0	FROM ANA
24	ASB	EP	02 32 10.4				185	89	-.3	
		IPG	02 32 11.9	31.9	.1	3.82				
		ES	02 32 30.4						-.0	
24	ASC	EP	02 32 10.4				179	85	.4	PROB X TALK
24	ASD	EP	02 32 11.3	28.3	.1	3.78	191	88	-.2	LARGE
24	SSI	IP C	02 32 15.1	79.8	.1		215	73	.6	
		ES	02 32 37.0						.0	
24	6	26	40.57	50.96 N	178.92 E	DEPTH = 0.0 KM				FREE DEPTH SOLUTION
				RAT ISLANDS, ALEUTIAN ISLANDS						
24	ASB	EPG	06 26 49.8	5.2	.1	2.50	50	27	.2	
		IS	06 26 55.5						-.7	
24	ASD	EPG	06 26 50.6	9.1	.1	2.79	56	32	-.2	
		IS	06 26 59.0						.8	
24	ASC	IPG	06 26 51.0				58	17	-.1	
24	ANA	EP	06 26 54.5				76	346	.1	QP
24	SSI	IPG	08 29 45.1	22.3	.1	3.40				
		ES	08 29 55.8							
24	ASD	EPG	08 29 48.6	3.1	.1	2.36				EMERGENT LOCAL
24	ASB	EPG	08 29 48.9	3.7	.1	2.46				VQS
		ES	08 29 56.0							
24	ASC	EPG	08 29 49.2							

MAR 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
24	ADK	EP	10 22 35.7							
		ES	10 23 23.8							
24	10 36 32.29	51.36 N 176.51 E	DEPTH = 50.0 KM							FIXED DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
24	RAT	IP C	10 36 52.8				135	68	-.4	WHITE OUT
24	ANA	IPN	10 36 55.1				152	78	-.2	FM ANA TO ASC
24	ASC	EPN	10 36 59.6				185	85	.2	PROB X TALK
24	ASB	EPN	10 36 59.9				190	89	-.1	
		IP	10 37 2.2	132.0	.1	4.45				
		E(S)	10 37 20.1						-.2	
24	ASD	EPN	10 37 .9	113.1	.1	4.39	197	88	.0	LARGE
24	SSI	IP C	10 37 4.4				221	73	.6	WHITE OUT
		ES	10 37 27.0						.2	
24	13 54 17.70	35.46 N 98.17 E	DEPTH = 13.0 KM MB = 5.8 MS = 6.4							TELESEISMIC SOLUTION
			TSINGHAI PROVINCE, CHINA							
24	ASD	EP	14 04 11.5	19.9	.4		6459	47		TELE
24	RAT	E(P)	14 04 12.5	91.0	.5		6379	47		
24	ASB	EP	14 04 12.6	26.7	.4		6454	47		
24	SSI	E(P)	14 04 17.7	25.1	.4		6458	46		
24	22 38 9.02	52.07 N 176.73 E	DEPTH = 130.1 KM							FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
24	RAT	IP D	22 38 32.2	362.6	.1	4.84	114	105	-.1	
		ES	22 38 49.3						.0	
24	ANA	EP	22 38 34.9				142	109	.1	
24	ASC	IP	22 38 39.0				181	111	.2	
24	ASB	IP	22 38 39.7	56.0	.1	4.14	191	113	-.1	
		IS	22 39 2.3						-.0	
24	ASD	IP	22 38 40.3	98.8	.2	4.09	195	112	-.0	
24	SSI	IP D	22 38 40.5	55.4	.1	4.14	197	95	-.0	
25	3 8 .95	50.91 N 179.22 E	DEPTH = 25.0 KM							FIXED DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
25	ASD	IPGC	03 08 10.3	39.2	.1	3.45	54	9	-.4	P SPIKE.SM.LOC.
25	ASB	IPGD	03 08 10.5	31.9	.1	3.33	50	2	.4	P SPIKE.
		IS	03 08 16.7						-.1	
25	ASC	IPG	03 08 11.7				61	356	-.0	
25	ANA	IPG	03 08 16.1				89	334	.3	
25	RAT	EP	03 08 19.6	31.3	.1	3.63	117	328	-.4	
25	3 31 53.60	50.52 N 176.76 W	DEPTH = 11.0 KM MB = 5.3							TELESEISMIC SOLUTION
			ANDREANOF ISLANDS, ALEUTIANS ISLANDS							
25	ADK	IP	03 32 19.4				151	2	1.5	ML4.5 D1.4 FELT
		IS	03 32 37.5						2.0	
25	ASD	IP D	03 32 36.1				290	291	-.3	WHITE OUT.
		E(S)	03 33 7.1						-.4	
25	ASB	EP	03 32 36.1	185.7	.1		295	290	-.9	LARGE
25	ASC	IP	03 32 38.2				304	292	.1	
25	SSI	EPN	03 32 38.4				296	302	1.2	WHITE OUT
		IPG	03 32 39.3							
		ES	03 33 11.0						2.0	
25	ANA	EP	03 32 43.1				343	293	.2	
25	RAT	EP	03 32 46.7				371	294	.3	WHITE OUT

MAR 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
25	CSA	EP	03 33 57.0				922	56	2.5	
25	ADK	IP	08 29 51.5							
		IS	08 30 14.6							
25	ASD	EP	08 30 13.4	45.8	.2					
25	ASB	EP	08 30 14.1	31.9	.2					
		ES	08 30 44.4							
25	ASC	EP	08 30 15.4							
25	SSI	EP	08 30 15.5	40.8	.1					
25	RAT	E(P)	08 30 23.2							
25	GMA	EP	08 33 30.5							
25	ADK	EP	14 12 38.0							
		ES	14 12 50.2							
25	21	6 57.91	51.40 N 178.82 E	DEPTH = 41.3 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
25	ASC	E(P)	21 07 5.6				25	73	-.0	QP
25	ASB	EP	21 07 6.1				30	98	.1	QP. V.NOISY
		ES	21 07 11.9						-.1	
25	ASD	EP	21 07 6.6	4.3	.1	2.46	36	91	-.1	V.EMERGENT LOC.
		ES	21 07 13.1						.1	
25	23	4 54.09	51.22 N 178.76 E	DEPTH = 22.8 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
25	ASB	EP	23 05 1.2	41.8	.1	3.35	37	66	-.1	
		ES	23 05 6.6						.0	
25	ASC	IP	23 05 1.9				39	47	.4	
25	ASD	EP	23 05 2.2	27.4	.1	3.22	45	65	-.2	LOCAL
		ES	23 05 8.1						-.3	
25	ANA	IP	23 05 2.8				45	351	.3	
25	RAT	EP	23 05 5.9	53.1	.1	3.67	71	335	-.3	QTAMP
		IS	23 05 14.7						-.2	
25	SSI	EP	23 05 9.7	51.0	.1	3.75	94	37	.1	
26	2	3 17.59	51.40 N 179.86 W	DEPTH = 51.4 KM			FREE DEPTH SOLUTION			
			DELAROF ISLANDS, ALEUTIAN ISLANDS							
26	ASD	IPG	02 03 29.3	27.0	.1	3.38	56	269	.2	
		ES	02 03 37.5						.0	
26	ASB	IPG	02 03 29.9	26.9	.1	3.40	62	266	.1	
		ES	02 03 38.4						-.4	
26	SSI	IP	02 03 30.0	39.9	.1	3.59	66	325	-.3	
		IS	02 03 39.9						.3	
26	ASC	EPG	02 03 30.5				68	276	.0	
26	ANA	IPG	02 03 35.0				105	284	.1	
26	2	59 39.31	51.61 N 179.19 E	DEPTH = 63.7 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
26	ASC	IPG	02 59 49.1				16	186	.1	
26	ASD	EPG	02 59 49.4	19.6	.1	3.20	26	156	-.1	
26	ASB	EPG	02 59 49.6	7.8	.1	2.80	28	172	.0	QP
		ES	02 59 57.0						-.0	
26	RAT	E(P)	02 59 52.4	22.8	.1	3.37	63	290	-.0	
26	ASB	IP D	13 30 13.7	312.1	.3	4.22				
		ES	13 30 29.5							

MAR 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
26	ASD	IP C	13 30 14.3	116.9	.2	3.98				
26	ASC	IP	13 30 14.9							
26	ANA	IP	13 30 16.4							
26	RAT	E(P)	13 30 19.1	43.8	.2	3.64				QP.QTAMP.
		IS	13 30 39.0							
26	SSI	EP	13 30 22.8	61.2	.1					
26	ADK	EP	13 30 44.6							
		E	13 31 24.4							

26 15 58 58.96 52.21 N 178.63 E DEPTH = 119.1 KM FREE DEPTH SOLUTION
RAT ISLANDS, ALEUTIAN ISLANDS

26	RAT	IP C	15 59 16.5	155.0	.1	4.35	50	205	-.0
		ES	15 59 29.2						-.2
26	ANA	EP	15 59 17.7				65	178	.3
26	ASC	EP	15 59 19.4				91	156	.1
26	ASB	EP	15 59 20.1	12.0	.1	3.32	103	156	-.2
		ES	15 59 36.0						.0
26	ASD	EP	15 59 20.2	7.3	.1	3.10	103	151	-.1
		ES	15 59 36.0						.1

26 17 35 18.00 60.34 N 140.99 W DEPTH = 7.0 KM MB = 5.5 MS = 5.7 TELESEISMIC SOLUTION
SOUTHEASTERN ALASKA

26	ADK	EP	17 40 10.0				2378	263	
		ES	17 44 10.0						
		ER	17 47 0.0						

26 18 27 21.69 51.52 N 178.40 E DEPTH = 73.2 KM FREE DEPTH SOLUTION
RAT ISLANDS, ALEUTIAN ISLANDS

26	ANA	EP	18 27 32.7				21	57	-.0
26	ASB	EP	18 27 35.4	8.4	.1	2.97	61	107	-.0
		ES	18 27 45.4						.0
26	ASD	EP	18 27 35.9	4.3	.1	2.69	67	102	-.0

26 19 13 23.82 51.15 N 179.58 E DEPTH = 41.2 KM FREE DEPTH SOLUTION
RAT ISLANDS, ALEUTIAN ISLANDS

26	ASD	IPGC	19 13 32.1	35.8	.1	3.35	31	328	-.0	P SPIKE
		ES	19 13 38.2						.0	
26	ASB	IPGD	19 13 32.3	28.7	.1	3.26	33	315	.0	P SPIKE
		IS	19 13 38.4						-.0	
26	ASC	IPG	19 13 33.6				45	320	.0	

27	ADK	EP	06 50 58.6						
		ES	06 51 18.6						

27	ASB	E(P)	10 25 58.4	18.3	.1	3.15			
		IS	10 26 5.5						

27	ASD	EP	12 56 51.7	12.9	.1				
27	ASB	EP	12 56 52.1	15.7	.1				

		IS	12 57 17.2						
27	ASC	EP	12 56 52.2						
		ES	12 57 17.2						
27	ANA	EP	12 56 53.5						

27	ASD	EP	16 07 57.0	6.2	.1				
27	ASB	EP	16 07 57.1						
		ES	16 08 19.8						

QP

QTAMP

MAR 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
27	ASC	EP	16 07 57.3							
27	ASB	IPG	16 26 38.6	9.3	.1	2.92				
		IS	16 26 47.0							
27	ASC	IPG	16 26 39.9							
27	SSI	EPG	16 26 40.3	29.7	.1					

..... TELESEISMIC SOLUTION

27 17 9 52.30 52.55 N 174.53 W DEPTH = 138.0 KM MB = 5.6
ANDREANOF ISLANDS, ALEUTIANS ISLANDS

27	ADK	IP C	17 10 19.9				165	244	-1.1	ML4.9 D1.7 FELT
		ES	17 10 41.5						-.4	
27	SSI	IP C	17 10 49.0				408	262	.6	
		E(S)	17 11 33.4						4.0	
27	ASD	EP	17 10 52.4				440	255	.1	LARGE.QS
		IP	17 10 52.7							
		E(S)	17 11 36.2						.2	
27	ASB	IP	17 10 53.3				447	255	.2	OL.ALL STATIONS
		IP	17 10 53.5							
27	ASC	IP	17 10 54.0				449	257	.6	
27	ANA	EP	17 10 57.4				477	260	.7	
27	RAT	IP D	17 10 59.6				494	263	.7	
27	CSA	EP	17 11 21.0				677	67	-.0	
27	SMY	EP	17 11 32.0				767	276	-.1	
27	GMA	EP	17 13 14.8				1621	22	-2.3	

..... SMALL LOCAL

27	ASD	EPG	18 55 6.4	7.3	.1	2.50				
		ES	18 55 10.2							
27	ASB	EPG	18 55 7.5	6.0	.1	2.50				
		IS	18 55 12.2							
27	ASC	E(P)	18 55 8.4							

..... FIXED DEPTH SOLUTION

27 21 18 8.21 50.51 N 176.75 E DEPTH = 50.0 KM
RAT ISLANDS, ALEUTIAN ISLANDS

27	ANA	EP	21 18 33.9				182	46	-1.1	
27	ASB	EP	21 18 36.5	27.0	.2	3.47	199	61	-.5	
		ES	21 18 58.0						-.0	
27	ASD	EP	21 18 37.5	3.8	.1		206	61	-.4	
27	ASC	E(P)	21 18 37.9				199	57	.8	
27	SSI	E(P)	21 18 44.8	23.5	.1		250	51	1.4	

..... FIXED DEPTH SOLUTION

27 21 32 20.10 50.68 N 179.02 E DEPTH = 50.0 KM
RAT ISLANDS, ALEUTIAN ISLANDS

27	ASB	IPGD	21 32 34.0	137.2	.2	3.86	77	12	.0	P SPIKE
		IS	21 32 44.1						-.0	
27	ASD	IPGC	21 32 34.5	39.1	.1	3.64	82	16	-.1	
27	ASC	IPG	21 32 35.3				87	7	.1	
27	ANA	EPG	21 32 37.7				108	347	-.0	

..... VERY POOR

28	ANA	EP	00 21 55.0							
		E(S)	00 22 22.1							

..... FREE DEPTH SOLUTION

28 1 8 40.29 51.57 N 178.76 W DEPTH = 21.0 KM
DELAROF ISLANDS, ALEUTIAN ISLANDS

28	SSI	EP	01 08 59.6	16.4	.1	3.35	119	288	-.1	
28	ASD	IP	01 09 1.6	10.1	.1	3.18	133	262	-.1	
		ES	01 09 17.5						.2	
28	ASB	IP	01 09 2.7	26.7	.1	3.62	140	261	-.1	POSS S/P CONV.
		IS	01 09 19.0						-.2	

MAR 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
28	ASC	IP	01 09 3.7				144	266	.3	
28	ANA	EP	01 09 8.4				178	273	-.0	
.....										
28	3 11	10.87	51.49 N 179.37 E	DEPTH = 61.3 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
28	ASD	IPG	03 11 19.9	6.4	.1	2.68	12	189	-.2	
		ES	03 11 26.9						.0	
28	ASB	IPG	03 11 20.2	7.7	.1	2.77	17	210	-.1	
		IS	03 11 27.5						.3	
28	ASC	IPG	03 11 20.3				14	256	.1	
28	SSI	EPG	03 11 22.3	16.4	.1	3.17	47	19	.0	
28	ANA	IPG	03 11 22.8				51	287	.2	
		I(S)	03 11 30.9						-.3	
28	RAT	E(P)	03 11 25.6	22.4	.1	3.41	79	296	.1	
.....										
28	3 15	28.47	50.87 N 179.26 W	DEPTH = 25.0 KM			FIXED DEPTH SOLUTION			
			DELAROF ISLANDS, ALEUTIAN ISLANDS							
28	ASD	EP	03 15 46.7	6.6	.1	2.94	113	301	-.3	
28	ASB	EP	03 15 47.6	3.5	.1	2.68	117	298	.0	
		E(S)	03 16 1.5						.0	
28	ASC	EP	03 15 49.4				128	301	.2	
28	SSI	E(P)	03 15 50.8	15.4	.1	3.38	139	325	.0	
.....										
28	6 23	34.22	51.07 N 179.70 W	DEPTH = 50.0 KM			FIXED DEPTH SOLUTION			
			DELAROF ISLANDS, ALEUTIAN ISLANDS							
28	ASD	IP	06 23 47.5	5.2	.1	2.74	76	299	-.5	
28	ASB	EP	06 23 48.1	5.0	.1	2.74	80	294	-.4	
		E(S)	06 23 58.8						-.2	
28	ASC	EP	06 23 49.6				91	299	-.1	
28	SSI	IP D	06 23 51.3	12.4	.1	3.21	104	332	-.1	
28	ANA	EP	06 23 55.4				130	299	.8	
28	RAT	EP	06 23 58.6	15.8	.1	3.46	159	301	.4	
.....										
28	ASD	IP	06 59 52.0							QS
		I	06 59 53.1	7.1	.1					
		E(S)	07 00 3.8							
28	ASB	IP	06 59 53.3	4.2	.1					QS
		E(S)	07 00 5.8							
28	SSI	IP	06 59 54.7	11.1	.1					
28	ASC	EP	06 59 55.2							
28	RAT	EP	07 00 3.3	19.6	.2					
28	SSI	IPGD	07 59 6.4	16.4	.1	2.87				
		IS	07 59 10.3							
28	ASD	IPGD	07 59 9.7	9.5	.1	2.85				P SPIKE
28	ASB	IPG	07 59 10.8	6.9	.1	2.76				P SPIKE
		IS	07 59 18.5							
28	ASC	E(P)	07 59 11.2							QP
.....										
28	9 4	42.45	50.98 N 179.18 E	DEPTH = 30.2 KM			FREE DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
28	ASB	IPGC	09 04 51.0	108.9	.1	3.84	42	7	.1	
		ES	09 04 57.0						-.0	
28	ASD	IPGD	09 04 51.3	75.6	.1	3.71	47	14	-.2	NICE LOCAL
28	ASC	IPG	09 04 52.5				53	359	.1	
28	ANA	IPG	09 04 56.3				80	333	.1	
28	SSI	IP	09 04 59.9	19.9	.1	3.39	105	16	.0	

MAR 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
28	RAT	IP	09 05 .2	21.9	.1	3.45	108	327	-.1	
28	SSI	IP	09 24 59.1	10.0	.1	3.19				
		IS	09 25 14.4							
28	ASD	EP	09 24 59.7	2.0	.1	2.51				
28	ASB	EP	09 25 .7	2.7	.1	2.67				
		ES	09 25 17.8							
28	ANA	EP	09 25 6.4							
28	RAT	EP	09 25 9.6	8.4	.1					
28	9 49 40.67		51.10 N 179.84 E	DEPTH = 50.0 KM			FIXED DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
28	ASD	EP	09 49 50.9	3.6	.1	2.47	47	313	-.3	
28	ASB	EP	09 49 51.2	11.1	.2	2.67	50	305	-.3	
		ES	09 49 59.0						-.5	
28	ASC	EP	09 49 52.8				62	311	.0	QP
28	SSI	IP	09 49 56.1	12.0	.1	3.15	90	349	.0	
28	RAT	EP	09 50 2.1	9.9	.1	3.19	130	307	1.0	
28	ADK	EP	16 46 15.2							
		ES	16 46 39.9							
28	17 6 45.40		56.66 N 151.59 W	DEPTH = 33.0 KM			TELESEISMIC SOLUTION			
			KODIAK ISLAND REGION							
28	20 12 40.54		51.22 N 178.75 E	DEPTH = 0.0 KM			FIXED DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
28	ASB	EPG	20 12 47.3	3.9	.1	2.26	38	66	-.1	
		IS	20 12 52.5						.1	
28	ASC	EPG	20 12 48.1				39	47	.4	
28	ASD	EPG	20 12 48.6	1.7	.1	1.97	45	65	-.1	
		ES	20 12 54.4						-.3	
28	ANA	EPG	20 12 48.7				45	352	-.1	
		ES	20 12 54.8						-.0	
28	20 12 52.38		51.49 N 176.01 E	DEPTH = 0.0 KM			FIXED DEPTH SOLUTION			
			RAT ISLANDS, ALEUTIAN ISLANDS							
28	RAT	EP	20 13 20.2	780.9	.2	4.85	164	77	.6	
		E(S)	20 13 36.1						-3.3	
28	ANA	IP	20 13 22.5				184	84	-.2	
28	ASC	E(P)	20 13 28.1				219	90	.3	
28	ASD	EP	20 13 28.8	172.9	.3		231	92	-.6	NEAR REGIONAL
28	ASB	EP	20 13 28.9	84.3	.2		225	93	.3	
		E(S)	20 13 55.1						.0	
28	SSI	EP	20 13 31.5	226.8	.3		251	78	-.3	
		E(S)	20 13 59.7						-.8	
28	ADK	EP	20 14 4.2				506	82	.9	
		ES	20 14 57.1						2.1	
29	4 2 12.32		51.69 N 179.99 W	DEPTH = 17.4 KM			FREE DEPTH SOLUTION			
			DELAROF ISLANDS, ALEUTIAN ISLANDS							
29	ASD	IPG	04 02 22.2	10.4	.1	2.87	57	234	-.0	
29	ASC	IPG	04 02 23.2				64	247	-.0	
29	ASB	IPG	04 02 23.3	7.4	.1	2.77	64	235	-.0	

MAR 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
IS 04 02 31.3 -0										
29	4 47 49.83		51.03 N 179.41 W				DEPTH = 24.0 KM			FREE DEPTH SOLUTION
DELAROF ISLANDS, ALEUTIAN ISLANDS										
29	ASD	IP	04 48 5.5	24.6	.1	3.45	96	295	-.2	
29	ASB	IP	04 48 6.4	26.6	.1	3.50	101	292	-.0	
		ES	04 48 18.5						-.0	
29	ASC	IP	04 48 7.7				111	296	-.2	
29	SSI	EP	04 48 9.1	31.0	.1	3.63	119	324	-.0	
29	ANA	EP	04 48 14.4				150	297	.6	
29	RAT	EP	04 48 17.7	78.5	.2	3.89	179	299	-.0	QP
29	ADK	EP	06 29 30.1							
		ES	06 29 47.2							
29	ASD	EP	07 54 23.8	2.9	.1	2.72				QP.QS.
		E(S)	07 54 41.8							
29	ASC	EP	07 54 26.7							QP
29	RAT	EP	07 54 35.0	7.7	.1					
29	ADK	EP D	09 09 7.8							
		ES	09 09 17.7							
29	SSI	EP	09 09 28.8	19.1	.1					
29	ASD	IP	09 09 29.0	10.9	.1					
29	ASB	IP	09 09 30.1	20.4	.2					QS
		E(S)	09 10 1.9							
29	ASC	IP	09 09 31.0							
29	ANA	EP	09 09 38.5							QP
29	RAT	EP	09 09 39.1	81.8	.3					POOR TAMP
29	9 52 46.86		50.89 N 179.99 E				DEPTH = 50.0 KM			FIXED DEPTH SOLUTION
RAT ISLANDS, ALEUTIAN ISLANDS										
29	ASD	EP	09 52 59.4	4.3	.1	2.64	72	321	-.7	
29	ASB	E(P)	09 53 .8	11.7	.2	2.78	74	316	.4	QP.VERY NOISY
		ES	09 53 9.5						-.7	
29	ASC	EP	09 53 1.2				86	318	-.6	
29	SSI	EP	09 53 5.7	17.7	.1	3.40	115	346	.3	
29	RAT	EP	09 53 10.6	10.1	.1	3.25	153	312	.5	
		E(S)	09 53 27.7						.7	
29	10 16 46.80		50.67 N 176.59 E				DEPTH = 0.0 KM			FIXED DEPTH SOLUTION
RAT ISLANDS, ALEUTIAN ISLANDS										
29	RAT	IP	10 17 15.5	39.7	.1	3.88	175	43	-.2	
		ES	10 17 36.8						.0	
29	ANA	EP	10 17 16.6				180	53	.1	
29	ASB	IP	10 17 19.7	66.4	.2		202	67	-.1	
		ES	10 17 43.9						.1	
29	ASC	IP	10 17 19.8				201	63	.1	
29	ASD	IP	10 17 20.5	9.2	.1		209	66	-.4	
29	SSI	EP	10 17 26.4	28.8	.1		250	56	.3	
29	ADK	EP	12 43 10.6							

MAR 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
.....										
29	12 51 35.33	52.72 N 179.55 W DEPTH = 125.0 KM DELAROF ISLANDS, ALEUTIAN ISLANDS						FIXED DEPTH SOLUTION		
29	ASD	EP	12 52 3.1	8.0	.1	3.25	166	208	-.1	
		ES	12 52 23.7						.2	
29	ASC	IP	12 52 3.3				165	213	.2	
29	ASB	IP	12 52 3.5	11.2	.1	3.41	172	209	-.3	
		ES	12 52 24.4						-.2	
29	RAT	IP	12 52 3.9	34.8	.1	3.91	177	236	-.4	
29	ANA	E(P)	12 52 4.5				172	226	.7	QP
.....										
29	13 19 54.77	51.41 N 179.55 E DEPTH = 57.0 KM RAT ISLANDS, ALEUTIAN ISLANDS						FREE DEPTH SOLUTION		
29	ASD	IPGD	13 20 3.5	46.5	.1	3.52	15	262	-.1	PERIODS V.SHORT
29	ASB	IPGD	13 20 3.9	104.2	.1	3.88	22	256	-.0	
		IS	13 20 10.7						.1	
29	ASC	IPG	13 20 4.4				28	283	.1	
29	SSI	IPG	13 20 6.6	20.4	.1	3.27	54	3	.1	
		IS	13 20 14.9						-.1	
29	ANA	IPG	13 20 7.9				66	292	.1	
29	RAT	IPG	13 20 10.9	32.8	.1	3.62	95	298	-.1	
.....										
29	17 30 24.86	52.13 N 179.33 E DEPTH = 200.6 KM RAT ISLANDS, ALEUTIAN ISLANDS						FREE DEPTH SOLUTION		
29	SSI	IP	17 30 51.5				32	146	-.0	
29	ASC	IP	17 30 53.0				76	189	.1	
29	ANA	IP	17 30 53.0				73	219	.2	
29	RAT	IP C	17 30 53.0				78	242	-.1	
		I	17 31 1.8							
		IS	17 31 13.6						-.1	
29	ASD	IP	17 30 53.3	100.0	.1	4.36	83	179	.0	PROB. DEEP
29	ASB	IP	17 30 53.3	40.4	.1	3.97	86	184	-.2	
		I	17 30 58.8							
		IS	17 31 14.4						.0	
.....										
29	ASB	EP	17 47 25.4	11.3	.1	3.38				POOR TAMP
		ES	17 47 47.1							
29	ASD	EP	17 47 25.6	5.5	.1	3.07				
29	ASC	EP	17 47 25.6							
29	RAT	IP	17 47 26.8	19.4	.1					
29	SSI	EP	17 47 33.7	16.4	.1					
.....										
29	20 38 27.56	52.14 N 179.51 E DEPTH = 75.0 KM RAT ISLANDS, ALEUTIAN ISLANDS						FIXED DEPTH SOLUTION		
29	ASC	EP	20 38 43.2				79	197	.1	
29	ANA	E(P)	20 38 43.3				82	226	-.0	
29	ASD	EP	20 38 43.5	2.8	.1	2.55	84	188	-.1	
29	ASB	E(P)	20 38 44.1	10.8	.2	2.85	89	192	.0	QP. POOR TAMP
		IS	20 38 56.1						-.0	
.....										
29	23 52 59.46	51.48 N 179.93 E DEPTH = 60.8 KM RAT ISLANDS, ALEUTIAN ISLANDS						FREE DEPTH SOLUTION		
29	ASD	IP	23 53 10.3	10.8	.1	2.97	42	257	-.1	
		IS	23 53 18.5						.1	
29	ASB	IP	23 53 11.1	8.2	.1	2.87	49	255	.0	
		IS	23 53 19.4						-.1	

MAR 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
29	SSI	EP	23 53 11.3	17.7	.1	3.22	52	333	.0	
29	ASC	IP	23 53 11.5				53	269	.1	
29	ANA	E(P)	23 53 15.5				90	281	.2	QP
29	RAT	IP	23 53 18.2	10.9	.1	3.20	116	289	-.2	
30	ADK	EP	04 51 55.2							
		ES	04 52 20.0							
30	8 44 39.63	51.29 N 179.25 E	DEPTH = 27.2 KM							FREE DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
30	ASB	EPG	08 44 44.3				8	360	.0	QP.SHORT S/P
		IS	08 44 47.7						.0	
30	ASD	EPG	08 44 44.6	3.4	.1	2.11	13	30	.0	QP.SMALL LOCAL
30	ASC	EPG	08 44 45.2				20	343	.0	QP
30	ASD	EP	11 11 56.5	2.8	.1	2.68				
30	ASC	EP	11 11 56.5							
		E(S)	11 12 13.5							
30	11 30 38.90	51.35 N 177.40 W	DEPTH = 16.0 KM MB = 5.7 MS = 5.3							TELESEISMIC SOLUTION
			ANDREANOF ISLANDS, ALEUTIANS ISLANDS							
30	ADK	EP C	11 30 55.5				77	39	3.7	ML5.1 00.9 FELT
		ES	11 31 8.2						6.9	
30	ASD	EP	11 31 12.4				227	272	-1.0	O.L. ALL STAS.
30	SSI	EP	11 31 13.1				217	287	.9	
30	ASB	EP	11 31 13.8				233	272	-.4	CANT FIND AN S.
30	ASC	EP	11 31 14.4				239	274	-.6	
30	ANA	EP	11 31 20.2				275	278	.8	
30	RAT	EP	11 31 23.4				300	281	.9	
30	ADK	EP	11 38 12.3							
		ES	11 38 23.7							
30	SSI	EP	11 38 30.5							
30	ASD	EP	11 38 30.9	15.4	.2					QP
30	ASB	EP	11 38 32.1	17.3	.2					QP
		E(S)	11 39 .7							
30	ASC	EP	11 38 32.5							QP
30	RAT	IP	11 38 41.6							
30	ADK	EP	11 40 31.2							
		ES	11 40 42.8							
30	ASD	EP	14 43 26.5	1.5	.1	2.36				
30	ASC	EP	14 43 28.3							
		E(S)	14 43 44.3							
30	ASC	EP	15 01 58.1							
		ES	15 02 17.6							
30	ASD	EP	15 01 58.3	2.8	.1	2.74				
30	RAT	IP	15 01 58.3	18.3	.1					
30	SSI	IP	15 02 15.2	14.1	.1					
30	15 18 34.15	50.43 N 177.82 E	DEPTH = 0.0 KM							FIXED DEPTH SOLUTION
			RAT ISLANDS, ALEUTIAN ISLANDS							
30	ASB	IP C	15 18 58.5	35.7	.2	3.45	144	44	.2	
		E(S)	15 19 16.7						.8	
30	ANA	IP	15 18 58.9				145	24	.3	
30	ASD	EP	15 18 59.2	2.0	.1	2.51	151	44	-.2	
		E(S)	15 19 17.0						-.8	
30	ASC	IP	15 18 59.3				148	39	.3	

MAR 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	PAZI (DEG)	RES (SEC)	REMARKS
. 30	RAT	IP	15 19 0.0				155	13	-.2	
. 30	SSI	IP	15 19 7.1				204	37	-.4	
.....										
. 30	15 56 29.88	51.27 N 179.73 E	DEPTH = 18.9 KM							FREE DEPTH SOLUTION
		RAT ISLANDS, ALEUTIAN ISLANDS								
. 30	ASD	IP	15 56 35.9	5.3	.1	2.37	30	296	.0	
. 30	ASB	IP	15 56 36.6				35	286	.0	
		ES	15 56 41.5						.0	
. 30	ASC	IP	15 56 38.0				45	298	.0	
.....										
30	SSI	IP	18 05 52.7							
		IS	18 06 9.0							
30	ASD	IP	18 05 55.5	2.4	.1					
		IS	18 06 24.3							
30	ASB	EP	18 05 56.2	11.5	.2					POOR TAMP
		IS	18 06 25.4							
30	ASC	EP	18 05 56.7							
30	ANA	E(P)	18 06 1.1							QP
30	ASD	EPG	19 27 34.8	1.8	.1	2.07				
		ES	19 27 40.6							
.....										
. 30	20 37 48.27	51.46 N 179.59 W	DEPTH = 73.0 KM							FREE DEPTH SOLUTION
		DELAROF ISLANDS, ALEUTIAN ISLANDS								
. 30	ASD	EP	20 38 3.2	2.2	.1	2.43	74	264	.0	
. 30	ASB	EP	20 38 3.9	1.1	.1	2.14	81	262	.0	QP
		ES	20 38 15.3						.0	
. 30	ASC	EP	20 38 4.4				86	271	.0	QP
.....										
. 30	20 52 22.22	51.36 N 179.58 W	DEPTH = 64.6 KM							FREE DEPTH SOLUTION
		DELAROF ISLANDS, ALEUTIAN ISLANDS								
. 30	ASD	EP	20 52 36.6	2.2	.1	2.40	75	273	-.0	
. 30	ASB	EP	20 52 37.3	3.4	.1	2.61	81	270	-.0	
		ES	20 52 48.3						-.0	
. 30	ASC	EP	20 52 38.0				88	278	-.0	
.....										
. 30	21 47 52.59	51.56 N 179.82 E	DEPTH = 70.4 KM							FREE DEPTH SOLUTION
		RAT ISLANDS, ALEUTIAN ISLANDS								
. 30	ASD	EPG	21 48 4.2	5.7	.1	2.73	38	241	.0	
		ES	21 48 12.7						.0	
. 30	ASB	EPG	21 48 4.7	5.3	.1	2.71	45	242	-.0	
		IS	21 48 13.5						-.1	
. 30	ASC	EPG	21 48 4.8				47	257	-.0	
. 30	ANA	EPG	21 48 8.2				81	276	.2	
. 30	RAT	EP	21 48 10.6				106	285	-.2	
.....										
. 30	23 40 34.27	51.31 N 179.27 W	DEPTH = 25.0 KM							FIXED DEPTH SOLUTION
		DELAROF ISLANDS, ALEUTIAN ISLANDS								
. 30	ASD	IPGO	23 40 50.1	7.7	.1	2.95	97	276	-.2	
		ES	23 41 2.0						.0	
. 30	ASB	IPGO	23 40 51.2	16.3	.1	3.30	103	273	-.1	
		IS	23 41 3.8						.2	
. 30	SSI	IP	23 40 51.2	26.3	.1	3.50	102	310	.1	
		IS	23 41 3.1						-.2	

MAR 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
30	ASC	IP	23 40 52.4				110	279	.1	
.....										
31	1 36 47.71		51.03 N 179.69 W	DEPTH = 25.0 KM			FIXED DEPTH SOLUTION			
DELAROF ISLANDS, ALEUTIAN ISLANDS										
31	ASD	IP	01 37 1.0	4.5	.1	2.63	78	301	.0	
		IS	01 37 10.5						-.1	
31	ASB	IP	01 37 1.6	4.1	.1	2.61	82	297	.0	
31	ASC	EP	01 37 3.2				93	301	.1	
31	SSI	IP	01 37 5.3	24.9	.1	3.50	108	333	-.1	
		IS	01 37 18.4						.1	
.....										
31	3 56 5.51		51.38 N 178.86 E	DEPTH = 58.5 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
31	ASC	IP	03 56 14.9				23	65	-.0	
		IS	03 56 21.8						.0	
31	ASB	IP	03 56 15.1	7.3	.1	2.75	27	94	-.0	
31	ASD	IP	03 56 15.5				33	87	-.1	
		IS	03 56 23.0						.1	
31	SSI	IP	03 56 19.8				76	41	.1	
		IS	03 56 29.9						-.1	
.....										
31	ADK	EP	05 17 15.5							
		ES	05 17 27.7							
31	SSI	IP	05 17 32.5	6.6	.1					
		I	05 17 33.9							
31	ASD	EP	05 17 32.9							
		IS	05 18 1.0							
31	ASB	EP	05 17 34.0	6.9	.1					
31	ASC	EP	05 17 35.2							
31	RAT	EP	05 17 43.4							
.....										
31	6 15 51.72		51.54 N 179.70 E	DEPTH = 72.0 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
31	ASD	IP C	06 16 2.9	62.3	.1	3.75	30	236	-.1	GOOD RECORDING
		IS	06 16 11.2						-.0	
31	ASB	IP	06 16 3.4				37	237	-.0	
		ES	06 16 11.9						-.1	
31	ASC	IP	06 16 3.6				38	257	.1	
31	SSI	IP	06 16 3.6				40	349	.0	
31	ANA	IP	06 16 6.6				72	278	.2	
31	RAT	IP	06 16 8.9				99	287	-.2	
.....										
31	10 23 57.30		8.95 N 125.68 E	DEPTH = 33.0 KM			MB = 5.4 MS = 5.1 TELESEISMIC SOLUTION			
MINDANAO, PHILIPPINE ISLANDS										
31	ADK	EP	10 34 26.1				7040	36		
.....										
31	15 17 19.47		51.56 N 179.64 E	DEPTH = 69.6 KM			FREE DEPTH SOLUTION			
RAT ISLANDS, ALEUTIAN ISLANDS										
31	ASD	EP	15 17 30.2				28	228	-.2	
31	ASB	EP	15 17 30.8				35	231	.0	
		E	15 17 36.8							
		IS	15 17 38.9						-.2	
31	SSI	IP	15 17 30.9	17.8	.1	3.21	37	354	-.0	
		IS	15 17 39.3						.0	

MAR 1971	STA	PHASE	TIME (GMT)	AMP (MU)	PER (SEC)	MAG	DIST (KM)	AZI (DEG)	RES (SEC)	REMARKS
. 31	ASC	EP	15 17 31.0				35	252	.2	
. 31	ANA	IP	15 17 33.9				68	277	.4	
. 31	RAT	IP	15 17 35.9				94	287	-.4	
.....										
. 31	15 49 27.25	51.47 N 179.54 E	DEPTH = 63.2 KM						FREE DEPTH SOLUTION	
		RAT ISLANDS, ALEUTIAN ISLANDS								
. 31	ASD	IP	15 49 36.6	2.7	.1	2.32	16	236	-.3	
. 31	ASB	IP	15 49 37.1	3.7	.1	2.47	24	238	-.1	
.		IS	15 49 44.6						.1	
. 31	ASC	EP	15 49 37.7				25	267	.4	
. 31	SSI	IP	15 49 39.0				47	4	.2	
.		IS	15 49 47.0						-.2	
. 31	RAT	IP	15 49 43.2				91	294	-.1	
.....										
. 31	ASD	EP	17 23 13.4							
		ES	17 23 36.6							
. 31	SSI	IP	17 23 13.8	24.8	.2					
. 31	ASB	EP	17 23 14.8	4.5	.1					
. 31	ASC	EP	17 23 16.9							
.....										
. 31	19 8 18.78	51.20 N 178.79 E	DEPTH = 42.4 KM						FREE DEPTH SOLUTION	
		RAT ISLANDS, ALEUTIAN ISLANDS								
. 31	ASB	EP	19 08 27.7				37	60	-.0	
.		ES	19 08 34.2						-.0	
. 31	ASC	EP	19 08 28.0				39	41	-.0	
. 31	ASD	EP	19 08 28.5				44	60	-.0	
.....										

MAR HYPOCENTER SUMMARY

PAGE 71-03- 58

MAR 1971	ORIGIN TIME (GMT)	LAT	LONG	DEPTH* (KM)	MB	MS	GEOGRAPHIC REGION
01	0 45 12.35	51.72 N	178.15 W	81.1 F			ANDREANOF ISLANDS, ALEUTIANS ISLANDS
01	4 56 17.45	51.37 N	179.43 E	56.8 F			RAT ISLANDS, ALEUTIAN ISLANDS
01	13 29 28.05	51.19 N	178.42 E	20.3 F			RAT ISLANDS, ALEUTIAN ISLANDS
01	15 18 4.74	50.94 N	178.95 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
01	16 15 59.10	51.98 N	179.58 E	149.4 F			RAT ISLANDS, ALEUTIAN ISLANDS
01	23 30 48.82	51.39 N	179.67 E	41.7 F			RAT ISLANDS, ALEUTIAN ISLANDS
02	0 45 42.60	54.36 S	54.09 W	33.0 T	4.9		SOUTH ATLANTIC OCEAN
02	6 41 23.90	50.88 N	178.75 W	24.0 T			DELAROF ISLANDS, ALEUTIAN ISLANDS
02	8 40 5.17	51.38 N	178.43 W	40.3 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
02	9 42 12.60	51.81 N	176.80 W	59.0 T	4.5		ANDREANOF ISLANDS, ALEUTIANS ISLANDS
2	12 46 36.40	63.39 N	149.82 W	111.0 T	4.8		CENTRAL ALASKA
02	19 36 43.68	52.88 N	178.62 E	89.0 F			RAT ISLANDS, ALEUTIAN ISLANDS
02	23 6 2.80	50.39 N	175.67 E	33.0 T	4.0		RAT ISLANDS, ALEUTIAN ISLANDS
03	0 48 11.40	17.66 N	99.29 W	77.0 T	5.1		GUERRERO, MEXICO
03	5 22 58.93	50.94 N	179.84 E	22.8 F			RAT ISLANDS, ALEUTIAN ISLANDS
03	5 26 19.89	52.11 N	176.75 E	75.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
03	6 39 35.49	51.40 N	178.34 W	12.5 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
03	7 39 13.06	51.66 N	177.87 E	62.7 F			RAT ISLANDS, ALEUTIAN ISLANDS
3	10 36 27.50	62.07 N	149.68 W	85.0 T			CENTRAL ALASKA
03	12 0 26.91	50.54 N	177.91 E	0.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
03	14 13 40.59	50.98 N	179.83 W	38.7 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
03	18 7 45.36	51.04 N	179.23 E	31.0 F			RAT ISLANDS, ALEUTIAN ISLANDS
03	19 30 5.35	50.92 N	179.45 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
03	21 9 41.93	51.22 N	179.51 E	47.0 F			RAT ISLANDS, ALEUTIAN ISLANDS
03	21 54 9.10	48.28 N	153.01 E	120.0 T	5.8		KURIL ISLANDS
04	0 28 36.30	30.40 N	138.32 E	428.0 T	5.7		SOUTH OF HONSHU, JAPAN
04	5 11 39.44	51.64 N	179.68 W	62.0 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
04	7 34 21.88	51.40 N	177.89 E	55.7 F			RAT ISLANDS, ALEUTIAN ISLANDS
4	13 43 7.60	66.76 N	135.78 W	33.0 T	5.2		NORTHERN YUKON TERRITORY, CANADA
04	15 9 48.66	51.82 N	179.50 W	47.3 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
04	17 37 54.28	50.93 N	179.19 E	0.0 D			RAT ISLANDS, ALEUTIAN ISLANDS

MAR HYPOCENTER SUMMARY

PAGE 71-03- 59

MAR 1971	ORIGIN TIME (GMT)	LAT	LONG	DEPTH* (KM)	MB	MS	GEOGRAPHIC REGION
04	23 51 45.90	50.21 N	178.97 E	18.0 T			RAT ISLANDS, ALEUTIAN ISLANDS
05	1 13 32.87	51.10 N	179.15 E	34.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
05	2 23 22.63	50.99 N	178.76 E	0.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
05	6 8 43.36	50.93 N	177.94 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
05	11 50 40.36	51.23 N	179.94 W	38.8 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
05	12 30 51.57	52.54 N	179.49 W	124.7 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
05	13 5 3.18	52.05 N	177.90 E	88.8 F			RAT ISLANDS, ALEUTIAN ISLANDS
05	13 52 54.00	50.87 N	176.06 E	33.0 T	4.5		RAT ISLANDS, ALEUTIAN ISLANDS
05	14 4 23.20	51.25 N	179.51 W	33.0 T			DELAROF ISLANDS, ALEUTIAN ISLANDS
05	16 52 1.33	51.94 N	179.67 E	63.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
05	20 53 17.60	18.50 N	145.41 E	221.0 T	5.3		MARIANA ISLANDS
06	4 33 22.87	51.23 N	178.05 E	23.4 F			RAT ISLANDS, ALEUTIAN ISLANDS
07	1 29 10.79	51.44 N	179.00 W	75.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
07	3 55 49.91	51.74 N	179.61 W	93.4 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
7	6 26 53.40	60.08 N	152.33 W	125.0 T			SOUTHERN ALASKA
07	10 22 7.32	51.20 N	178.64 E	30.6 F			RAT ISLANDS, ALEUTIAN ISLANDS
7	12 38 16.60	62.80 N	149.32 W	29.0 T			CENTRAL ALASKA
07	15 26 53.90	51.27 N	178.10 E	31.5 F			RAT ISLANDS, ALEUTIAN ISLANDS
7	23 6 14.80	59.92 N	153.14 W	112.0 T	3.5		SOUTHERN ALASKA
08	1 14 26.54	51.08 N	179.86 E	28.3 F			RAT ISLANDS, ALEUTIAN ISLANDS
8	12 5 45.20	61.33 N	151.43 W	112.0 T			SOUTHERN ALASKA
08	16 34 14.00	50.86 N	179.01 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
09	6 16 45.76	51.62 N	178.51 E	76.3 F			RAT ISLANDS, ALEUTIAN ISLANDS
9	8 8 53.90	63.97 N	149.83 W	140.0 T	4.3		CENTRAL ALASKA
09	10 36 10.83	50.89 N	178.78 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
9	10 38 16.10	57.70 N	153.85 W	53.0 T	4.3		KODIAK ISLAND REGION
09	10 43 18.85	51.49 N	179.27 E	58.8 F			RAT ISLANDS, ALEUTIAN ISLANDS
9	10 56 36.00	63.96 N	149.82 W	138.0 T	4.0		CENTRAL ALASKA
09	10 58 48.45	50.93 N	178.83 E	24.5 F			RAT ISLANDS, ALEUTIAN ISLANDS
09	11 38 31.38	51.65 N	177.90 E	71.7 F			RAT ISLANDS, ALEUTIAN ISLANDS
09	12 42 22.22	51.62 N	178.24 E	64.4 F			RAT ISLANDS, ALEUTIAN ISLANDS

MAR HYPOCENTER SUMMARY

PAGE 71-03- 60

MAR 1971	ORIGIN TIME (GMT)	LAT	LONG	DEPTH* (KM)	MB	MS	GEOGRAPHIC REGION
09	16 15 37.20	51.09 N	178.45 W	33.0 T	4.0		DELAROF ISLANDS, ALEUTIAN ISLANDS
09	21 22 40.24	51.37 N	178.52 E	39.1 F			RAT ISLANDS, ALEUTIAN ISLANDS
09	22 12 42.72	51.18 N	178.52 E	0.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
10	0 33 15.50	63.00 N	149.99 W	140.0 T			CENTRAL ALASKA
10	3 34 55.43	51.60 N	179.91 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
10	11 57 50.10	51.34 N	176.84 W	37.0 T	4.0		ANDREANOF ISLANDS, ALEUTIANS ISLANDS
10	21 39 22.53	51.48 N	178.90 E	62.8 F			RAT ISLANDS, ALEUTIAN ISLANDS
11	0 23 56.58	51.14 N	178.75 E	22.1 F			RAT ISLANDS, ALEUTIAN ISLANDS
11	0 28 43.43	51.12 N	178.70 E	0.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
11	5 26 12.84	51.19 N	178.73 E	25.1 F			RAT ISLANDS, ALEUTIAN ISLANDS
11	8 26 16.29	52.04 N	179.47 E	181.7 F			RAT ISLANDS, ALEUTIAN ISLANDS
11	15 25 45.90	59.33 N	146.65 W	18.0 T	5.0		GULF OF ALASKA
11	19 23 15.62	50.32 N	178.20 E	0.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
12	2 10 25.56	51.66 N	176.77 E	75.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
12	5 16 41.76	51.30 N	179.88 E	54.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
12	7 15 57.10	52.27 N	179.24 W	221.9 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
12	8 25 13.36	52.08 N	179.60 E	186.8 F			RAT ISLANDS, ALEUTIAN ISLANDS
12	14 38 39.96	51.24 N	179.64 W	50.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
12	18 35 8.28	51.56 N	178.07 E	54.9 F			RAT ISLANDS, ALEUTIAN ISLANDS
13	3 27 44.39	51.14 N	178.60 E	18.6 F			RAT ISLANDS, ALEUTIAN ISLANDS
13	5 33 29.85	52.00 N	179.24 E	29.9 F			RAT ISLANDS, ALEUTIAN ISLANDS
13	8 8 48.04	51.96 N	178.25 E	125.0 F			RAT ISLANDS, ALEUTIAN ISLANDS
13	9 22 47.48	51.08 N	178.71 E	51.6 F			RAT ISLANDS, ALEUTIAN ISLANDS
13	9 40 11.02	51.87 N	177.14 E	75.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
13	9 47 38.71	51.45 N	179.25 E	61.5 F			RAT ISLANDS, ALEUTIAN ISLANDS
13	12 10 43.48	51.33 N	179.92 W	30.8 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
13	13 58 7.35	51.89 N	179.14 E	93.7 F			RAT ISLANDS, ALEUTIAN ISLANDS
13	14 28 8.16	51.61 N	179.70 E	105.4 F			RAT ISLANDS, ALEUTIAN ISLANDS
13	14 41 37.83	50.95 N	178.67 E	30.7 F			RAT ISLANDS, ALEUTIAN ISLANDS
13	17 33 41.13	51.02 N	178.58 W	50.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
13	18 53 43.35	51.82 N	179.78 E	193.7 F			RAT ISLANDS, ALEUTIAN ISLANDS

MAR HYPOCENTER SUMMARY

PAGE 71-03- 61

MAR 1971	ORIGIN TIME (GMT)	LAT	LONG	DEPTH* (KM)	MB	MS	GEOGRAPHIC REGION
13	19 12 25.00	5.72 S	145.37 E	118.0 T	6.3		EAST NEW GUINEA REGION
13	23 22 17.14	51.36 N	179.88 W	52.9 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
14	1 30 3.99	51.55 N	178.97 E	72.3 F			RAT ISLANDS, ALEUTIAN ISLANDS
14	1 47 59.83	51.96 N	178.22 E	133.5 F			RAT ISLANDS, ALEUTIAN ISLANDS
14	6 52 12.37	51.27 N	178.86 E	31.8 F			RAT ISLANDS, ALEUTIAN ISLANDS
14	8 33 24.37	50.93 N	179.18 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
14	9 3 3.48	50.93 N	179.19 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
14	12 15 14.10	53.86 N	160.52 E	35.0 T	5.4		NEAR EAST COAST OF KAMCHATKA
14	12 50 31.80	51.74 N	179.83 E	89.3 F			RAT ISLANDS, ALEUTIAN ISLANDS
14	13 49 56.54	51.25 N	179.94 E	70.5 F			RAT ISLANDS, ALEUTIAN ISLANDS
14	13 52 19.51	51.39 N	178.79 E	41.5 F			RAT ISLANDS, ALEUTIAN ISLANDS
15	3 36 37.52	51.54 N	178.91 E	48.0 F			RAT ISLANDS, ALEUTIAN ISLANDS
15	5 33 28.48	51.88 N	178.52 E	109.8 F			RAT ISLANDS, ALEUTIAN ISLANDS
15	6 6 26.05	50.93 N	179.06 W	18.6 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
15	7 23 49.00	51.05 N	178.19 W	33.0 T			ANDREANOF ISLANDS, ALEUTIANS ISLANDS
15	7 52 32.16	51.07 N	179.65 W	25.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
15	9 23 4.30	50.96 N	178.80 E	25.9 F			RAT ISLANDS, ALEUTIAN ISLANDS
15	12 11 56.22	51.33 N	178.57 E	53.6 F			RAT ISLANDS, ALEUTIAN ISLANDS
15	23 2 16.01	51.66 N	178.79 E	78.9 F			RAT ISLANDS, ALEUTIAN ISLANDS
15	23 16 47.20	51.44 N	178.02 W	33.0 T			ANDREANOF ISLANDS, ALEUTIANS ISLANDS
16	6 51 15.81	51.12 N	179.24 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
16	9 2 31.61	51.91 N	178.26 E	75.7 F			RAT ISLANDS, ALEUTIAN ISLANDS
16	9 14 29.48	52.00 N	178.07 E	147.0 F			RAT ISLANDS, ALEUTIAN ISLANDS
16	12 32 30.60	10.92 S	163.69 E	42.0 T	5.8	6.4	SOLOMON ISLANDS
16	15 53 44.91	50.69 N	173.86 E	50.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
16	20 15 38.50	51.55 N	179.62 W	81.8 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
16	20 35 18.80	8.32 N	127.14 E	52.0 T	5.7		PHILIPPINE ISLANDS REGION
17	2 36 24.34	51.20 N	178.06 E	10.8 F			RAT ISLANDS, ALEUTIAN ISLANDS
17	9 56 49.22	51.38 N	179.75 E	7.9 F			RAT ISLANDS, ALEUTIAN ISLANDS
17	12 38 .80	51.87 N	178.26 W	33.0 T			DELAROF ISLANDS, ALEUTIAN ISLANDS
17	15 56 20.34	51.13 N	178.20 W	50.0 D			ANDREANOF ISLANDS, ALEUTIANS ISLANDS

MAR HYPOCENTER SUMMARY

PAGE 71-03- 62

MAR 1971	ORIGIN TIME (GMT)	LAT	LONG	DEPTH* (KM)	MB	MS	GEOGRAPHIC REGION
17	21 27 13.28	52.56 N	179.55 W	97.5 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
17	21 30 2.35	51.60 N	179.91 W	109.9 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
17	23 39 40.30	51.28 N	178.39 E	39.7 F			RAT ISLANDS, ALEUTIAN ISLANDS
18	0 42 57.15	51.62 N	179.44 E	23.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
18	2 55 55.14	50.14 N	178.89 E	0.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
18	5 38 10.40	51.73 N	179.53 W	105.6 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
18	6 59 56.99	51.80 N	177.98 E	121.8 F			RAT ISLANDS, ALEUTIAN ISLANDS
18	19 2 11.36	51.19 N	178.71 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
18	19 23 19.99	50.77 N	179.46 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
19	2 25 32.91	51.21 N	179.51 E	49.9 F			RAT ISLANDS, ALEUTIAN ISLANDS
19	11 51 22.88	51.54 N	179.46 E	20.5 F			RAT ISLANDS, ALEUTIAN ISLANDS
19	16 50 .08	52.17 N	178.21 E	135.9 F			RAT ISLANDS, ALEUTIAN ISLANDS
19	23 0 22.50	51.07 N	179.05 E	27.1 F			RAT ISLANDS, ALEUTIAN ISLANDS
19	23 5 1.68	51.05 N	179.10 E	28.0 F			RAT ISLANDS, ALEUTIAN ISLANDS
19	23 18 56.35	51.50 N	179.34 E	82.0 F			RAT ISLANDS, ALEUTIAN ISLANDS
20	11 51 12.20	51.49 N	177.48 E	113.8 F			RAT ISLANDS, ALEUTIAN ISLANDS
20	16 18 1.99	51.25 N	179.71 W	25.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
20	19 36 49.85	51.65 N	179.49 E	0.0 F			RAT ISLANDS, ALEUTIAN ISLANDS
20	19 45 52.30	60.20 N	150.61 W	41.0 T	3.9		KENAI PENINSULA, ALASKA
20	23 28 23.56	51.53 N	179.14 E	68.9 F			RAT ISLANDS, ALEUTIAN ISLANDS
21	2 6 52.70	52.25 N	176.80 W	211.0 T			ANDREANOF ISLANDS, ALEUTIANS ISLANDS
21	4 53 21.18	51.74 N	179.09 E	93.5 F			RAT ISLANDS, ALEUTIAN ISLANDS
21	22 21 6.31	51.20 N	178.75 E	24.4 F			RAT ISLANDS, ALEUTIAN ISLANDS
22	1 59 22.24	51.18 N	178.73 E	25.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
22	2 15 1.90	51.11 N	178.54 W	75.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
22	4 32 57.80	49.74 N	78.19 E	0.0 T	5.8		EASTERN KAZAKH SSR
22	5 31 40.66	52.76 N	177.85 W	50.0 D			ANDREANOF ISLANDS, ALEUTIANS ISLANDS
22	7 30 22.62	51.43 N	179.30 E	37.7 F			RAT ISLANDS, ALEUTIAN ISLANDS
22	7 43 59.80	51.09 N	179.23 E	30.6 F			RAT ISLANDS, ALEUTIAN ISLANDS
22	13 17 45.18	51.08 N	179.41 W	25.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
22	14 48 43.82	51.61 N	178.46 W	134.4 F			DELAROF ISLANDS, ALEUTIAN ISLANDS

MAR HYPOCENTER SUMMARY

PAGE 71-03- 63

MAR 1971	ORIGIN TIME (GMT)	LAT	LONG	DEPTH* (KM)	MB	MS	GEOGRAPHIC REGION
22	16 14 13.28	51.48 N	179.18 E	24.0 F			RAT ISLANDS, ALEUTIAN ISLANDS
22	18 35 15.43	50.86 N	178.81 W	75.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
22	20 29 28.45	51.09 N	179.31 W	50.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
22	23 49 7.40	51.72 N	178.31 E	113.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
23	2 15 26.90	22.88 S	176.36 W	76.0 T	6.0		SOUTH OF FIJI ISLANDS
23	3 4 23.73	51.60 N	179.55 E	1.0 F			RAT ISLANDS, ALEUTIAN ISLANDS
23	4 22 24.36	50.91 N	177.83 E	20.7 F			RAT ISLANDS, ALEUTIAN ISLANDS
23	6 59 56.00	61.29 N	56.47 E	0.0 T	5.6		URAL MOUNTAINS REGION
23	7 55 54.64	51.19 N	179.66 E	22.6 F			RAT ISLANDS, ALEUTIAN ISLANDS
23	9 26 29.30	70.99 N	7.03 W	33.0 T	6.0	6.3	JAN MAYEN ISLAND REGION
23	9 42 12.36	51.19 N	179.53 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
23	13 22 29.12	50.10 N	177.73 E	75.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
23	15 10 13.90	51.23 N	178.84 E	35.9 F			RAT ISLANDS, ALEUTIAN ISLANDS
23	17 5 14.35	51.54 N	179.46 E	188.7 F			RAT ISLANDS, ALEUTIAN ISLANDS
23	20 47 17.40	41.45 N	79.26 E	33.0 T	6.0	5.8	KIRGIZ-SINKIANG BORDER REGION
23	21 45 16.20	60.05 N	152.54 W	137.0 T			SOUTHERN ALASKA
24	2 31 43.61	51.36 N	176.59 E	50.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
24	6 26 40.57	50.96 N	178.92 E	0.0 F			RAT ISLANDS, ALEUTIAN ISLANDS
24	10 36 32.29	51.36 N	176.51 E	50.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
24	13 54 17.70	35.46 N	98.17 E	13.0 T	5.8	6.4	TSINGHAI PROVINCE, CHINA
24	22 38 9.02	52.07 N	176.73 E	130.1 F			RAT ISLANDS, ALEUTIAN ISLANDS
25	3 8 .95	50.91 N	179.22 E	25.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
25	3 31 53.60	50.52 N	176.76 W	11.0 T	5.3		ANDREANOF ISLANDS, ALEUTIANS ISLANDS
25	21 6 57.91	51.40 N	178.82 E	41.3 F			RAT ISLANDS, ALEUTIAN ISLANDS
25	23 4 54.09	51.22 N	178.76 E	22.8 F			RAT ISLANDS, ALEUTIAN ISLANDS
26	2 3 17.59	51.40 N	179.86 W	51.4 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
26	2 59 39.31	51.61 N	179.19 E	63.7 F			RAT ISLANDS, ALEUTIAN ISLANDS
26	15 58 58.96	52.21 N	178.63 E	119.1 F			RAT ISLANDS, ALEUTIAN ISLANDS
26	17 35 18.00	60.34 N	140.99 W	7.0 T	5.5	5.7	SOUTHEASTERN ALASKA
26	18 27 21.69	51.52 N	178.40 E	73.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
26	19 13 23.82	51.15 N	179.58 E	41.2 F			RAT ISLANDS, ALEUTIAN ISLANDS

MAR 1971	ORIGIN TIME (GMT)	LAT	LONG	DEPTH* (KM)	MB	MS	GEOGRAPHIC REGION
27	17 9 52.30	52.55 N	174.53 W	138.0 T	5.6		ANDREANOF ISLANDS, ALEUTIANS ISLANDS
27	21 18 8.21	50.51 N	176.75 E	50.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
27	21 32 20.10	50.68 N	179.02 E	50.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
28	1 8 40.29	51.57 N	178.76 W	21.0 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
28	3 11 10.87	51.49 N	179.37 E	61.3 F			RAT ISLANDS, ALEUTIAN ISLANDS
28	3 15 28.47	50.87 N	179.26 W	25.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
28	6 23 34.22	51.07 N	179.70 W	50.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
28	9 4 42.45	50.98 N	179.18 E	30.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
28	9 49 40.67	51.10 N	179.84 E	50.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
28	17 6 45.40	56.66 N	151.59 W	33.0 T			KODIAK ISLAND REGION
28	20 12 40.54	51.22 N	178.75 E	0.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
28	20 12 52.38	51.49 N	176.01 E	0.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
29	4 2 12.32	51.69 N	179.99 W	17.4 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
29	4 47 49.83	51.03 N	179.41 W	24.0 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
29	9 52 46.86	50.89 N	179.99 E	50.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
29	10 16 46.80	50.67 N	176.59 E	0.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
29	12 51 35.33	52.72 N	179.55 W	125.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
29	13 19 54.77	51.41 N	179.55 E	57.0 F			RAT ISLANDS, ALEUTIAN ISLANDS
29	17 30 24.86	52.13 N	179.33 E	200.6 F			RAT ISLANDS, ALEUTIAN ISLANDS
29	20 38 27.56	52.14 N	179.51 E	75.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
29	23 52 59.46	51.48 N	179.93 E	60.8 F			RAT ISLANDS, ALEUTIAN ISLANDS
30	8 44 39.63	51.29 N	179.25 E	27.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
30	11 30 38.90	51.35 N	177.40 W	16.0 T	5.7	5.3	ANDREANOF ISLANDS, ALEUTIANS ISLANDS
30	15 18 34.15	50.43 N	177.82 E	0.0 D			RAT ISLANDS, ALEUTIAN ISLANDS
30	15 56 29.88	51.27 N	179.73 E	18.9 F			RAT ISLANDS, ALEUTIAN ISLANDS
30	20 37 48.27	51.46 N	179.59 W	73.0 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
30	20 52 22.22	51.36 N	179.58 W	64.6 F			DELAROF ISLANDS, ALEUTIAN ISLANDS
30	21 47 52.59	51.56 N	179.82 E	70.4 F			RAT ISLANDS, ALEUTIAN ISLANDS
30	23 40 34.27	51.31 N	179.27 W	25.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
31	1 36 47.71	51.03 N	179.69 W	25.0 D			DELAROF ISLANDS, ALEUTIAN ISLANDS
31	3 56 5.51	51.38 N	178.86 E	58.5 F			RAT ISLANDS, ALEUTIAN ISLANDS

MAR HYPOCENTER SUMMARY

PAGE 71-03- 65

MAR 1971	ORIGIN TIME (GMT)	LAT	LONG	DEPTH* (KM)	MB	MS	GEOGRAPHIC REGION
31	6 15 51.72	51.54 N	179.70 E	72.0 F			RAT ISLANDS, ALEUTIAN ISLANDS
31	10 23 57.30	8.95 N	125.68 E	33.0 T	5.4	5.1	MINDANAO, PHILIPPINE ISLANDS
31	15 17 19.47	51.56 N	179.64 E	69.6 F			RAT ISLANDS, ALEUTIAN ISLANDS
31	15 49 27.25	51.47 N	179.54 E	63.2 F			RAT ISLANDS, ALEUTIAN ISLANDS
31	19 8 18.78	51.20 N	178.79 E	42.4 F			RAT ISLANDS, ALEUTIAN ISLANDS

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

SEISMICITY MAPS

ALEUTIAN EARTHQUAKES WHICH WERE LOCATED DURING THE MONTH BY THE ALEUTIAN SEISMIC NETWORK AND BY THE WORLD NETWORK OF SEISMOLOGICAL STATIONS REPORTING TO THE ENVIRONMENTAL RESEARCH LABORATORIES (ERL) 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 NATIONAL OCEAN SURVEY 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.

IMPORTANT NOTICE

THE SEISMICITY OF THE ALEUTIAN ARC HAS BEEN DEPICTED PREVIOUSLY IN THE SEISMOLOGICAL BULLETIN OF THE ALEUTIAN SEISMIC PROGRAM BY OVERPRINTING SIX BASE MAPS, MODIFIED VERSIONS OF LARGE PLATES PUBLISHED IN ESSA MONOGRAPH NO. 3 (BATHYMETRY OF THE ALEUTIAN ARC). OWING TO DEPLETED STOCKS OF THESE BASE MAPS, THE SEISMICITY SYMBOLS AND REGISTRATION GRIDS WILL BE PRINTED ON REGULAR PAPER STOCK, BEGINNING WITH THE APRIL 1971 SEISMOLOGICAL BULLETIN (CGS-746-119). THESE PRINTED SHEETS WILL BE SUITABLE FOR OVERLAYING THE SIX BASE MAPS (COMPLETE SETS OF WHICH WILL BE SUPPLIED UPON REQUEST) BY HOLDING THE COMBINATION OF THE PRINTED SHEET AND THE CORRESPONDING BASE MAP IN FRONT OF A BRIGHT LIGHT SOURCE.

	DEPTH OF FOCUS (km)				
	0-50	50-100	100-150	150-200	200-250
$m_B = 3.0$	*	□	×	◇	+
$m_B = 4.0$	✱	□	×	◇	+
$m_B = 5.0$	✱	□	×	◇	+
$m_B = 6.0$	✱	□	×	◇	+
$m_B = 7.0$	✱	□	×	◇	+