

INSTITUT ROYAL METEOROLOGIQUE DE BELGIQUE
KONINKLIJK METEOROLOGISCH INSTITUUT VAN BELGIE

OBSERVATOIRE ROYAL DE BELGIQUE
KONINKLIJKE STERRENWACHT VAN BELGIE

26 MAR 1971

BULLETIN SEISMIQUE

Station : Dourbes

ANNEE 1963

Novembre 1970

INTERNATIONAL SEISMOLOGICAL CENTRE

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INTRODUCTION

Coordonnées géographiques de la Station.

Latitude : 50°5'45",7 N, Longitude : 4°35'39",2 E. Altitude : 232 m.

Sous-sol : Dévonien.

Appareils : La Station sismologique de Dourbes comprend deux ensembles homogènes de sismographes :

- 1) le premier groupe est formé de trois sismomètres du type "Stuttgart" (Hiller),
- 2) le deuxième est constitué par trois sismomètres du type "Galitzine".

En 1963, les sismographes ont fonctionné sans interruptions.

Constantes des sismographes Stuttgart :

Composante	T_s	T_g	μ	l	A	k	V
Vertical	1,46	1,47	± 0	159,0 mm	1000 mm	-	-
E - W	1,51	1,51	± 0	165,0 mm	1000 mm	-	-
N - S	1,59	1,59	± 0	165,0 mm	1000 mm	-	-

Constantes des sismographes Galitzine :

Composante	T_s	T_g	μ	l	A	k	V
Vertical	11,68	11,65	± 0	159,0 mm	1000 mm	-	-
E - W	12,38	12,39	± 0	95,5 mm	1000 mm	-	-
N - S	12,46	12,44	± 0	95,5 mm	1000 mm	-	-

Locaux : voir "Publications Série A, N° 7" de l'Institut Royal Météorologique de Belgique: "Réalisation du Centre de Physique du Globe à Dourbes".

Analyse des sismogrammes et bulletins. - En 1963, les amplitudes n'ont pas été réduites en mouvement vrai du sol. C'est pour cette raison que les colonnes "Périodes" et "Amplitudes" ont été supprimées dans le Bulletin annuel.

Pour l'analyse des sismogrammes nous avons utilisé les tables de H. Jeffreys ainsi que les hodographes publiés par Mme Y. Labrouste.

Les calculs des distances et des azimuts ont été exécutés à l'ordinateur IBM 1620.

L'impression du présent bulletin a été réalisée à partir des "listings" obtenus à la Tabulatrice IBM 447.

EXEMPLE EXPLICATIF DES TABLEAUX

 STATION
ANNÉE

MOIS

N°	STATION	HEURE ORIGINE	φ	λ	h	Δ _c	α _c	M	CENTRE INTERNATIONAL (1)
									HEURES
135	2	00 39 22,0	53,0 N	168,5 W		76,3	355,6	6,5	U.S.C.G.S.
136	2	01 20 2 17 35,0	LM 52,5 N	EG 168,0 W		76,8	355,2	6,9	U.S.C.G.S.
		2 29 34 2 39 30 3 12,5	P S M	VS, VG NG EG	0	76,5			

(1) Chaque séisme enregistré est identifié, par un numéro suivi des déterminations obtenues dans les Centres Internationaux, ainsi que de la distance et de l'azimut de l'épicentre par rapport à la Station calculés à l'ordinateur IBM 1620.

(2) Les observations sont indiquées à la suite de chaque ligne d'identification.

LISTE DES ABREVIATIONS.

- Δ_o : distance observée (exprimée au 0,1 de degré).
- Δ_c : distance calculée (exprimée au 0,1 de degré).
- α : azimuth (exprimé en degrés, et mesuré du N vers l'Est).
- h : profondeur de l'hypocentre (exprimée en km ou en fraction du rayon terrestre).
- H : heure origine.
- VS : séismographe vertical Stuttgart.
- ES : séismographe horizontal Stuttgart (composante E-W)
- NS : séismographe horizontal Stuttgart (composante N-S)
- VG : séismographe vertical Galitzine.
- EG : séismographe horizontal Galitzine (composante E-W).
- NG : séismographe horizontal Galitzine (composante N-S).
- (...) : douteux.
- AC MI agitation microséismique.
- AG, ATM * atmosphérique
- MBT : mauvaise base de temps
- COM : compression
- DIL : dilatation.
- h = 0 ≡ foyer superficiel
- h = 0,00 ≡ profondeur 33 km.



1	01	12 17 38.6 12 39 43	06.8 S PKP	155.9 E VS	.000	130.56	38.87	BCIS
2	01	16 27 38.1 16 47 17	20.0 S PKP	175.4 O VS	.015	149.99	359.99	USCGS
3	01	19 35 55.1 20 43,6	40.2 S LM	081.3 E EG	.000	112.12	126.36	USCGS
4	01	23 39 05.6 23 50 31 23 50 49 23 51 00 23 53 09 23 59 47 24 00 28 24 10,3 24 15,3	56.6 N P PCP I PP S DPS LQ LR	157.7 O VS VS VG VS VG EG EG NG	.003 .000	72.75 72.3	349.85	USCGS
5	02	15 55 47.9 16 15 20 17 20,1	52.9 S PKP LM	118.2 O NG NG	.000	144.96	242.83	USCGS
6	03	03 05 03.5 3 51,8 4 01,4	29.7 N LM M	130.1 E NG NG	.000	87.08	45.17	USCGS
7	03	09 39 46.8 9 59 00	05.3 S PKP	151.5 E VS	.006	127.39	43.20	USCGS
8	04	00 23 55.1 33 /39/	01.2 N P	027.7 O VS	.000	55.88	220.15	USCGS
9	04	05 42 35.3 6 36,6	29.7 N LM	142.2 E NG	.000	92.16	35.95	USCGS
10	05	07 05 22.3	46.8 N	153.7 E	.000	79.93	21.00	USCGS

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1	01	19 35 55.1 20 45,5	40.2 S LM	081.3 O NG	.000	117.39	239.30		USCGS
2	01	23 39 05.6 23 50 26 23 59 40 24 00 06 24 10,1	56.6 N IP S SP L	157.7 O VG NG NG EG	.004	72.03 72.0	349.68	6.5	USCGS
3	02	14 43 06.0 15 57,6	03.4 N LM	122.9 E EG	.090	104.82	65.13		USCGS
4	03	03 05 03.3 3 49,6 3 55,4	29.7 N LQ LR	130.1 E EG NG	.000	86.69	45.02		USCGS
5	03	09 39 46.8 10 56,0	05.3 S LM	151.5 E EG	.006	126.98	42.57		USCGS
6	04	00 23 55.1 48,9	01.2 N LM	027.7 O NG	.000	56.32	219.59		USCGS
7	04	05 42 35.3 6 35,4	29.7 N LM	142.2 E NG	.000	91.68	35.75		USCGS
8	05	13 16 43.0 14 22,9	10.0 S LM	124.0 E NG	.000	116.19	72.66		USCGS
9	06	04 40 14.0 5 20,4	23.6 N L	108.6 O EG	.000	85.39	302.07		USCGS
10	06	06 17 28.0 6 53,4	01.8 S L	080.7 O EG	.003	88.19	265.05		USCGS
11	11	12 12 16.2	45.0 S	075.7 O	.000	117.72	232.21		USCGS

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		7	17	32	P	VS				
11	05	13 04	48.1	17.8 S	167.9 E	.000	145.09	28.58	USCGS	
		13 24	24	PKP	VS					
		14 24,8		LM	NG					
12	05	17 43	35.1	07.0 S	072.1 O	.080	86.80	255.34	USCGS	
		17 55	21	P	VS					
13	06	06 17	28.0	01.8 S	080.7 O	.003	88.27	265.25	USCGS	
		6 30	/17/	P	VS					
14	07	19 19	34.1	17.5 S	167.7 E	.000	144.75	28.72	USCGS	
		19 39	13	PKP	VS					
15	08	15 46	45.5	31.2 N	130.2 E	.013	85.85	44.31	USCGS	
		15 59	07	P	VS					
16	08	16 16	58.0	45.5 N	014.5 E	.000	8.10	120.81	BCIS	
		16 21	07	E	VS					
		16 21	24	E	VS					
17	08	19 50	04.9	17.0 S	171.8 O	.000	146.88	353.68	USCGS	
		20 09	41	PKP	VS					
18	09	11 43	38.0	20.0 S	168.7 E	.000	147.41	28.57	USCGS	
		19 50	31	E	VS					
19	11	12 12	16.2	45.0 S	075.7 O	.000	117.41	232.05	USCGS	
		13 15,3		LM	VG					
20	11	17 05	42.3	29.4 S	178.6 O	.030	159.19	7.87	USCGS	
		17 25	55	PKP	VS					

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21	12	03 40 3 52	34.8 40	04.8 N P	076.7 O VS	.011	80.70	266.41	USCGS
22	12	06 20 6 28	13.6 46	36.1 N P	069.6 E VS	.010	48.00	81.02	USCGS
23	14	11 19 11 39	47.5 34	21.2 S PKP	169.3 E VS	.000	148.72	28.31	USCGS
24	14	18 33 18 37	24.0 00	46.0 N P	026.8 E ES	.010	15.39	96.91	BCIS
25	15	01 32 1 37 1 37 1 43,1 1 45,4	20.0 07 36 43,1 45,4	68.9 N P PP LR MR	017.1 O VG VG EG NG	.000 .000	21.62 21.6	338.68	USCGS
26	15	05 23 5 27 5 28 5 31 5 32 5 33,6 5 34,7	00.0 57 23 56 04 33,6 34,7	69.5 N P PP S E LR MR	017.5 O VG NG EG NG VG EG	.000	22.17 22.0	339.43	BCIS
27	15	15 04 15 08 15 08 15 08	17.0 43 47 55	36.1 N P E E	024.0 E VS ES VS	.010	19.83	127.51	BCIS
28	15	17 39 17 58 17 58	19.2 32 42	17.1 S PKP E	179.6 O VS VS	.038	146.93	7.36	USCGS
29	15	19 26 19 45 19 45	34.3 22 29	20.5 S PKP1 /PKP2/	177.9 O VS VG	.072 .070	150.42 150.5	4.74	USCGS

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JANVIER

		19 47 36		*PPKP2	VG					
		19 49 02		/PP/	VS					
30	15	22 17 50.9		31.3 S	013.4 O	.008	82.50	195.47	USCGS	
		22 30 13		P	VG					
		23 03 12		LM	VG					
31	16	03 14 05.9		54.0 S	133.5 O	.000	154.10	245.02	USCGS	
		3 34 04		PKP	VG					
32	16	05 44 52.3		51.3 N	179.9 O	.001	79.01	2.87	USCGS	
		5 56 55		P	ES					
33	17	20 41 14.8		25.6 N	125.2 E	.017	88.15	51.04	USCGS	
		20 53 57		P	VS					
34	20	13 16 27.0		26.4 N	110.7 O	.000	84.77	305.48	USCGS	
		13 29 06		P	VS					
35	24	12 09 01.2		15.2 S	173.6 O	.000	145.19	356.95	USCGS	
		12 28 39		PKP	VS					
		12 28 45		E	VS					
36	24	15 42 23.5		28.6 N	056.4 E	.010	44.39	98.98	USCGS	
		15 50 29		P	VS					
37	24	22 44 16.5		08.0 N	126.6 E	.002	103.41	59.71	USCGS	
		23 22,8		L	NG					
		23 31,4		LM	VG					
38	25	00 16 05.7		20.3 S	169.6 E	.016	147.96	27.25	USCGS	
		35 36		PKP	VS					
39	27	19 35 09.0		41.1 N	049.7 E	.000	32.39	88.53	BCIS	

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		19 41 44	P	EG		32.2			
		19 42 44	E	VS					
		19 42 57	/PP/	VS					
		19 46 57	S	EG					
		19 47 13	E	VG					
		19 48,8	LR	EG					
		19 53,4	MR	VG					
40	28	02 12 14.3 2 25 22	10.8 S P	076.7 O VG	.011	92.59	256.47		USCGS
41	28	04 05 30.9 4 47,4 4 50,6	43.5 N L LM	144.6 E EG EG	.000	80.54	28.11		USCGS
42	28	10 03 21.4 10 23 25	52.4 S PKP	159.6 E VS	.000	164.08	108.01		USCGS
43	28	12 12 19.8 12 31 19 12 35 47 12 37 25 12 44 21 13 18,9 13 24,3	02.6 S PKP E E E LR MR	149.9 E VG EG EG VG VG VG	.000	124.29	43.49		USCGS
44	28	13 00 50.7 13 12 32 13 15 18	54.7 N P PP	161.6 O VG VS	.000	75.03	351.75		USCGS
45	28	13 50 28.3 14 09 13 15 28,1 15 35,3 15 39,3	19.7 S PKP LR LM M	178.1 O VS EG NG NG	.087	149.61	5.02		USCGS
46	29	09 21 14.3 9 32 56 9 33 40 9 39 05	49.7 N P *PP E	154.9 E VS VS EG	.015 .015	77.46 77.5	19.25		USCGS

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9 42 37	S	EG
9 58,3	LM	EG

47	30	10 10 04.1	55.6 S	028.3 0	.000	108.74	199.01	USCGS
		10 28 56	PP	VS	.000	108.6		
		10 29 07	E	VG				
		10 29 14	E	VG				
		10 35 26	E	NG				
		10 37 01	E	NG				
		10 37 21	I	EG				
		10 38 41	PPS	VG				
		10 43 54	E	EG				
		10 51 43	E	VG				
		11 03,6	LR	VG				
		11 14,0	MR	VG				

48	31	05 06 46.0	27.9 N	126.3 E	.000	86.79	48.95	USCGS
		5 19 34	P	VS		87.3		
		5 23 03	PP	VS				
		5 25 00	PPP	VS				
		5 30 03	SKS	EG				
		5 30 16	S	EG				
		5 30 28	/SKKS/	EG				
		5 30 34	E	NG				
		5 31 12	/PS/	NG				
		5 31 37	/PPS/	VG				
		5 50,2	LR	NG				
		5 58,8	MR	NG				

49	31	15 06 51.0	35.2 N	022.1 E	.000	19.61	132.77	BCIS
		15 11 25	P	VS		20.0		
		15 11 44	PP	NS				
		15 15 05	S	VS				
		15 18,0	LM	NG				

50	01	8 28 12	/S/	EG				
		8 30,2	L	NG				
		8 30,4	LR	NG				
		8 30,9	LM	EG				
		8 31,5	M	NG				

51	01	22 42 15.0	19.8 S	178.2 0	.026	149.71	5.22	USCGS
		23 44,7	L	EG				

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		23 46,7		LM	NG					
52	02	11 48 20.0 12 08 04		19.7 S PKP	174.6 O VG	.007	149.68	358.50		USCGS
53	03	12 52 13.8 13 04 00		07.6 N P	072.1 O VS	.000	75.63	264.68		USCGS
54	04	05 14 25.6 5 22 37		27.3 N P	054.2 E VS	.000	43.90	102.26		USCGS
55	04	07 18 06.9 7 26 15		27.7 N P	054.6 E VS	.000	43.87	101.50		USCGS
56	04	23 21 09.0 23 33 04 23 34 18		48.5 N P E	154.9 E VG VG	.008	78.60	19.65		USCGS
57	05	12 21 06.0 12 22 32 12 22 58 12 23 56 12 24 08		47.3 N PN PG S* SG	011.6 E VS VS VS VS	.000	5.42 5.4	118.43		BCIS
58	05	12 26 03.0 12 27 45 12 28 54		47.3 N P* S*	011.6 E VS EG	.000	5.41 5.4	118.46		USCGS
59	05	20 39 21.6 20 59 17 21 38,1		38.4 S PP LM	073.2 O VG EG	.001	111.37	235.62		USCGS
60	06	01 21 29.0 2 21,1		38.4 S LM	073.6 O VG	.000	111.58	235.87		USCGS

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61	06	05 53 6 12	53.9 43	18.1 S PKP	177.6 O VS	.073	148.05	3.94	USCGS
62	06	18 17 18 28	10.9 42	55.6 N P	166.1 E VG	.000	73.64	10.82	USCGS
63	09	03 53 4 38,7	06.0	36.4 N LM	137.9 E NG	.000	84.57	36.14	USCGS
64	09	16 05 16 17	03.0 39	43.7 N P	150.6 E VS	.000	82.07	24.17	USCGS
65	10	15 05 15 10	25.3 40	53.5 N P	033.4 O VS	.001	23.56	293.03	USCGS
66	10	16 36 16 41	11.1 42	44.6 N P	028.1 O VG	.000	22.71	268.63	USCGS
67	10	21 35 21 47	48.7 58	44.6 N P	147.8 E VS	.005	80.47	25.72	USCGS
68	12	23 07 23 26 23 26 23 28	28.9 11 52 32	17.8 S PKP E *PPKP	178.6 O VS VS VS	.086	147.70	5.70	USCGS
69	13	01 34 1 44	40.4 25	13.0 N P	057.9 E VS	.000	56.86	111.10	USCGS
70	13	08 50 9 02 9 03 9 04 9 06 9 13 9 13	02.2 49 58 51 14 11 29	24.5 N P E E PP /SKS/ S	121.8 E VG VS ES VG EG EG	.000	87.31 86.8	54.21	USCGS

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		9 13 37	E	NG					
		9 13 49	E	VG					
		9 23 20	E	VG					
		9 30,0	LR	VG					
		9 34,0	MR	EG					
71	13	12 45 10.0	40.5 N	015.8 E	.000	12.41	136.39		BCIS
		12 48 20	P	VS	.000	13.2			
		12 50 45	S	NS					
		12 52,1	LM	NG					
72	13	18 13 55.1	09.9 S	160.8 E	.000	135.34	34.44		USCGS
		18 33 25	E	VG					
		18 33 35	E	VS					
		18 35 52	PP	VG					
		18 46 28	E	EG					
		18 47 37	E	VG					
		18 53 55	E	EG					
		19 14,7	LQ	EG					
		19 21,2	MQ	NG					
		19 27,4	MR	VG					
		19 37,0	MR	VG					
73	13	19 55 36.0	11.6 N	057.7 E	.000	57.84	112.30		USCGS
		20 05 27	P	VS					
		20 05 32	E	ES					
74	14	07 04 40.8	07.2 S	128.2 E	.026	116.61	67.64		USCGS
		7 23 /06/	PKP	VS					
		7 23 /15/	E	VS					
		8 03	LM	EG					
75	14	12 09 11.4	00.9 N	030.0 O	.000	57.13	222.50		USCGS
		12 19 07	P	VS					
76	14	13 18 56.0	44.1 N	015.1 E	.000	9.34	125.95		BCIS
		13 21 15	E	VS					
		13 21 45	E	VG					
		13 22 15	E	VS					
		13 22 58	E	ES					
		13 23 18	S	VS					
		13 24,0	LM	VS					

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77	14	21 51 22 11	12.7 19	22.1 S PKP	170.3 E VS	.000	149.87	27.15	USCGS
78	14	21 59 22 19	34.3 19	22.0 S PKP	170.1 E VS	.002	149.71	27.43	USCGS
79	14	22 07 22 27	54.3 08	05.0 S PKP	144.6 E VS	.007	123.87	50.48	USCGS
80	16	08 31 8 50	17.5 04	17.7 S PKP	178.6 O VS	.078	147.60	5.69	USCGS
81	17	20 12 20 14 20 14 20 16 20 17,9	12.0 47 57 44	43.8 N P PP S L	017.2 E VS VS VS NG	.000 .000	10.67 10.7	121.37	BCIS
82	18	14 25 14 33	18.9 45	36.4 N P	070.9 E VS	.030	48.64	79.83	USCGS
83	21	13 16 13 35	05.6 57	20.6 S PKP	175.1 O VS	.000	150.58	359.42	USCGS
84	21	14 28 14 48	29.0 22	20.5 S PKP	173.9 O VS	.000	150.46	357.14	USCGS
85	21	17 14 17 19 17 19 17 20 17 23 17 27,0	29.0 21 46 19 14	32.6 N P PP E S LM	021.0 E VG VG ES NG EG	.000	21.30 21.3	138.98	BCIS
86	21	18 33	06.8	32.9 N	021.1 E	.000	21.08	138.37	USCGS

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		18	37	51	P	VS					
87	22	02	47	21.6	32.9 N	021.1 E	.000	21.08	138.37	USCGS	
		20	31	29	P	VS					
88	22	02	47	21.6	32.9 N	021.1 E	.000	21.08	138.40	USCGS	
		2	52	05	P	VS					
89	22	07	10	28.0	85.0 N	098.9 E	.000	40.78	7.71	USCGS	
		7	18	10	P	VG					
		7	18	19	E	VS					
		7	19	55	/PP/	VG					
		7	27	08	/SS/	EG					
		7	33,0		LQ	NG					
		7	41,7		LR	VG					
90	22	07	58	57.0	17.8 S	178.8 O	.090	147.65	6.05	USCGS	
		8	17	43	PKP	VS					
91	22	14	12	52.0	40.4 N	020.4 E	.000	14.73	125.13	BCIS	
		14	16	21	P	VS		14.3			
		14	16	31	PP	NG					
		14	16	46	/PPPP/	VS					
		14	19	01	/S/	ES					
		14	19	35	E	VG					
		14	20,5		LR	EG					
		14	21,0		MQ	EG					
		14	22,5		MR	EG					
92	22	21	14	06.1	18.1 N	071.3 O	.003	67.30	271.34	USCGS	
		21	25	01	P	VS					
93	24	13	34	15.7	14.6 N	091.4 O	.016	82.71	283.92	USCGS	
		13	46	28	P	VS					
94	25	17	11	01.7	24.4 N	123.4 E	.000	88.22	53.06	USCGS	
		17	23	54	P	VS					
		17	24	11	E	VS					

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FEVRIER - MARS

95	26	20 14	08.7	07.5 S	146.2 O	.022	131.03	320.10	USCGS
		20 32	58	PKP	VS				
		20 33	17	E	VS				
		20 33	45	*PPKP	VS				
		20 34	58	PP	VS				
		20 35	38	E	VS				
		20 35	58	E	VS				
		20 37	17	E	VS				
		20 41	35	E	ES				
		20 46	05	E	VS				
96	27	04 30	00.8	06.0 S	149.4 E	.003	127.06	45.93	USCGS
		4 49	12	PKP	VS				
		4 49	22	E	VS				
		4 49	55	E	VS				
97	27	20 28	34.9	04.6 S	152.9 E	.010	127.38	41.23	USCGS
		20 47	32	PKP	VG				
98	28	01 31	13.2	16.3 S	066.0 E	.000	85.17	122.21	USCGS
		1 43	52	P	VS				
99	01	10 45	55.7	41.2 N	142.9 E	.001	82.08	30.45	USCGS
		10 58	14	P	VS				
		10 58	24	E	ES				
100	02	22 16	35.4	17.1 S	175.0 O	.032	147.11	359.29	USCGS
		22 35	49	PKP	VS				
101	04	07 41	51.0	82.9 N	007.7 O	.000	33.18	357.22	USCGS
		7 48	35	P	VS				
		7 48	43	E	ES				
102	04	13 38	41.0	24.2 N	121.7 E	.000	87.50	54.45	USCGS
		13 51	41	P	VS		89.4		
		14 02	14	SKS	EG				
		14 25,7		LM	NG				

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MARS

103	04	15 10	16.0	35.2 N	025.3 E	.000	21.19	126.78	BCIS
		15 15	07	P	VG		21.7		
		15 15	31	PP	NG				
		15 15	44	PPP	VG				
		15 19	03	S	EG				
		15 19	14	PCP	EG				
		15 24	32	E	VG				
104	04	15 43	04.0	04.5 S	081.6 O	.000	90.90	264.21	USCGS
		15 56	13	P	VS				
		16 32,3		LM	EG				
105	04	19 04	02.9	19.3 S	169.5 E	.001	146.99	26.84	USCGS
		19 23	47	PKP	VS				
106	05	07 05	01.7	04.5 S	081.5 O	.000	90.84	264.14	USCGS
		7 18	09	P	VS				
107	05	07 53	39.2	36.1 N	026.2 E	.007	20.98	123.61	USCGS
		7 58	15	P	VS				
108	06	23 23	03.1	37.0 N	140.8 E	.006	85.12	33.79	USCGS
		23 35	18	P	VS				
109	07	05 22	01.1	27.0 S	113.5 O	.000	127.91	272.23	USCGS
		5 53	13	PS	VG				
		6 22,5		LM	EG				
110	08	03 33	03.4	19.3 S	169.6 E	.000	147.02	26.68	USCGS
		3 52	53	PKP	VS				
111	08	15 06	05.3	01.1 N	029.9 O	.000	56.90	222.49	USCGS
		15 15	51	P	VS				
112	09	02 17	39.5	21.9 N	062.0 E	.000	52.69	100.42	USCGS
		2 25	57	P	VS		52.5		

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MARS

		2	28	05	PCP	VS					
113	09	22	43	50.5	21.5 S	179.0 O	.078	151.34	6.99	USCGS	
		23	02	48	PKP	VS					
114	10	01	26	04.1	56.2 N	153.8 O	.000	72.65	347.54	USCGS	
		1	37	33	P	VS					
115	10	01	19	38.1	15.2 S	167.2 E	.017	142.43	28.26	USCGS	
		1	38	55	PKP	VS					
116	10	05	51	32.0	51.0 N	005.4 E	.000	1.04	29.28	BCIS	
		5	51	55,1	P*	ES		1.1			
		5	51	56,6	PN	VS					
		5	52	00,1	E	VS					
		5	52	08,1	E	EG					
		5	52	10,6	SG	VS					
		5	52	12,1	SN	VG					
		5	52	13,1	I	VS					
117	11	07	27	22.0	38.0 N	029.2 E	.000	21.31	115.18	BCIS	
		7	32	10	P	VS					
		7	33	19	E	VS					
		7	55,9		LM	NG					
118	14	18	30	40.6	46.5 N	153.4 E	.000	80.15	21.30	USCGS	
		18	42	49	P	VS					
119	16	08	44	48.3	46.5 N	154.7 E	-.002	80.27	20.41	USCGS	
		8	56	55	P	VG		78.0			
		8	57	02	I	VG					
		8	57	03,5	PCP	VS					
		8	57	07,5	I	VS					
		8	57	17,0	I	VS					
		8	57	25,5	I	VS					
		9	00	32	I	VG					
		9	07	05	SKS	EG					
		9	07	12	SCS	VS					
		9	16,4		LR	VG					
		9	31,3		LR	ES					

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MARS

120	17	13 08 13 26	55.0 26	46.2 N E	155.6 E V	.000	80.93	19.94	USCGS
121	17	14 17 14 21 14 26.5	18.0 09	39.4 N P LR	021.0 E VG EG	.000	15.78	126.42	BCIS
122	18	10 02 10 07	00.8 36	24.1 N P	005.0 E VS	.000	25.94	179.15	USCGS
123	18	13 16 13 35	23.5 01	15.7 S PKP	178.4 O VS	.083	145.63	5.11	USCGS
124	19	05 46 6 06	50.1 09	22.8 S PKP	170.5 E VS	.005	150.58	27.24	USCGS
125	21	04 00 4 12	11.1 46	36.5 N P	140.9 E VG	.003	85.60	33.94	USCGS
126	24	02 07 2 25 2 26 2 29 2 32 2 36 2 59.1 3 09.9	12.8 50 48 19 31 07	09.7 S PKP PP /PPP/ SKS E LQ LR	120.4 E VS VG VG EG EG EG VG	.000 .000	113.78 113.8	76.05	USCGS
127	24	08 19 8 39	24.4 17	22.6 S PKP	170.8 E VS	.000	150.48	26.58	USCGS
128	24	09 43 9 57	20.2 16	09.0 N P	125.6 E VS	.003	102.04	59.97	USCGS
129	24	12 44	01.0	34.8 N	048.0 E	.000	34.95	99.19	BCIS

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MARS

		12 50 55	P	VG					
		12 52 08	PP	VS			34.5		
		12 56 01	E	EG					
		12 56 32	/S/	NG					
		12 58,5	LQ	EG					
		13 00,4	LR	VG					
		13 04,2	MQ	NG					
		13 06,5	MR	VG					
130	24	21 35 24.4 21 47 22	51.8 N P	178.1 O VG	.004	78.55	1.71		USCGS
131	25	21 53 05.0 21 50,3	10.6 S LM	120.4 E EG	.000	114.47	76.67		USCGS
132	25	22 46 16.2 22 59 21 22 59 32 23 00 04	00.7 N P E E	096.5 E VS VS VS	.000	90.63	88.09		USCGS
133	26	09 48 19.7 10 08 21 10 08 44 10 09 01 10 09 17 10 12 57 10 16 45 10 20 52	29.7 S PKP1 E PKP2 E /PP/ /PPP/ SKKKS	177.8 O VG VS VG VS VS VS VS	.002	159.55 159.5	5.97		USCGS
134	26	13 25 02.6 13 45 01 13 45 14 13 45 41 13 47 21 13 49 17 13 52 01 13 52 47	29.8 S PKP1 E PKP2 E E SKS E	177.9 O VS VS NS VS VG VG VG	.001	159.65 159.5	6.24		USCGS
135	26	21 34 41.1 21 47 11 21 50 10 21 57 40	36.0 N P E /S/	135.7 E VG VG EG	.000	84.07	37.91		USCGS

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MARS

			21 58 11		E	EG				
			22 11,7		LQ	EG				
			22 14,7		LR	VG				
			22 20,2		MQ	EC				
			22 23,2		MR	VG				
136	28	00 15	46.0	66.3 N	019.4 O	.000	20.37	331.80		BCIS
			20 28	P	NG					
			20 52	E	VS					
			24 18	/S/	NS					
			27,3	LR	ES					
			33,5	MR	VS					
137	28	00 26	27.0	66.3 N	020.2 O	.000	20.62	331.20		USCGS
			31 48	P	ES					
			32 17	E	ES					
138	28	00 59	38.9	66.4 N	019.6 O	.000	20.50	331.87		USCGS
			1 04 19	P	NS					
			1 04 46	E	VS					
139	28	11 12	31.3	30.2 S	177.8 O	.001	160.05	6.08		USCGS
			11 32 30	PKP1	VS	.000	160.0			
			11 33 10	PKP2	VS					
140	28	23 29	14.6	29.6 S	177.5 O	.003	159.47	5.21		USCGS
			23 49 32	PKP	VS					
			23 49 49	E	VS					
141	30	01 53	28.8	19.1 S	169.1 E	.020	146.68	27.39		USCGS
			2 12 57	PKP	VS					
			2 12 58	I	VG					
			2 13 40	E	VG					
142	30	16 51	56.6	44.2 N	148.0 E	.000	80.90	25.74		USCGS
			17 04 14	P	VS	.000	80.9			
			17 04 15	I	VG					
			17 14 10	S	NG					
			17 31,5	LQ	EG					
			17 37,1	LM	NG					

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MARS - AVRIL

143	31	04 46 00.8	06.5 S	081.1 O	.000	92.10 262.55	USCGS
		4 59 14	P	VS			
		5 09 50	E	EG			
		5 11 20	E	NG			
		6 23,0	LM	NG			
144	31	05 30 49.3	29.9 S	177.7 O	.002	159.76 5.76	USCGS
		5 50 47	PKP	VS			
		5 50 53	E	VG			
		5 54 30	E	VG			
		5 59 11	E	VG			
		6 52,9	LM	NG			
145	31	07 07 36.3	06.1 S	149.0 E	.004	126.96 46.43	USCGS
		7 26 39	PKP	VS			
		8 10,0	LM	EG			
146	31	12 26 11.6	35.8 N	132.6 E	.000	82.98 40.20	USCGS
		13 19,8	LM	VG			
147	31	14 58 06.0	35.5 N	008.2 O	.000	17.31 217.40	BCIS
		15 02 20	P	VS	.000	18.4	
		15 02 34	PP	VS			
148	31	14 58 02.4	35.1 N	009.3 O	.000	18.09 219.34	USCGS
		15 05 20	P	VS			
149	31	00 00 00.0	00.8 N	096.6 E	.000	90.62 87.95	USCGS
		17 41 58	P	VS			
150	31	19 22 53.3	30.0 S	178.0 O	.003	159.84 6.54	USCGS
		19 42 51	PKP	VS			
		19 43 08	E	VS			
		19 43 30	E	VS			
		20 45,4	LM	EG			
151	01	04 28 44.3	44.8 N	141.1 E	.035	78.27 30.04	USCGS

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AVRIL

		4 40	20	P	VS	.035	78.7		
		4 40	31	PCP	VS				
		4 49	53	S	EG				
152	01	09 22	51.8	35.4 N	069.8 E	.010	48.56	81.61	USCGS
		9 41,5		LM	NG				
153	02	16 18	55.6	53.2 N	171.7 O	.017	77.13	357.71	USCGS
		16 30	37	P	VS	.017	77.5		
		16 31	14	E	VS				
		16 31	18	E	VS				
		16 40	15	S	NG				
154	03	14 47	55.5	55.4 S	128.2 O	.000	151.28	240.95	USCGS
		15 07	48	PKP	VS				
		15 07	58	*PPKP	VS				
		15 14	54	SKS	EG				
		15 18	31	E	EG				
		16 01,2		LR	NG				
		16 19,2		MR	NG				
155	05	13 49	07.0	44.2 N	011.2 E	.000	7.42	140.15	BCIS
		13 52	50	/S*/	VS				
156	06	07 03	06.5	17.5 S	178.9 O	.077	147.38	6.19	USCGS
		7 21	55	PKP	VS				
157	06	11 19	23.3	63.4 N	149.5 O	.001	65.10	347.47	USCGS
		11 30	03	P	VS				
158	07	11 16	03.8	71.5 N	013.0 O	.000	22.96	345.66	USCGS
		11 27,7		TRACES	NG				
159	07	15 07	34.9	27.0 N	129.2 E	.000	88.94	47.27	USCGS
		15 56,8		LQ	NG				
		16 04,7		LR	NG				
		16 05,7		LM	NG				

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AVRIL

176	17	08 23 34.0 8 43 04	15.7 S PKP	174.1 O VS	.014	145.70 357.77	USCGS
177	18	01 51 55.2 2 10 50	20.3 S PKP	177.7 O VS	.078	150.23 4.34	USCGS
178	19	07 30 19.2 7 35 00 7 44 41 7 57,4 8 09,6 8 11,6	35.3 N P S L MR M	025.2 E VG EG EG VG VG	.002	21.06 126.78 75.7	USCGS
179	19	07 35 23.7 7 46 02 7 46 21 7 48 29 7 49 57 7 51 28 7 54 24 7 54 49	35.8 N P E PP /PPP/ E E /S/	096.9 E VG VS VG VG VG VG NG	.000 .000	64.90 63.78 65.0	USCGS
180	21	04 38 21.7 4 51 10 5 25,5	24.1 N P LM	122.1 E VG EG	.000	87.79 54.21	USCGS
181	23	02 51 17.2 3 01 37 3 24,0 3 25,1 3 27,4	46.9 N P LQ LM LR	103.7 E VS NG EG EG	.000	60.90 50.82	USCGS
182	23	09 55 06.8 10 34,4 10 36,6	25.7 N LM M	099.5 E NG NG	.000	73.73 69.46	USCGS
183	23	14 02 56.0 14 06 10	42.3 N P	019.5 E VS	.000	12.92 121.42	BCIS

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AVRIL

		14 19,7		LQ		NG				
		14 25,0		LR		VG				
		14 29,4		MR		NG				
184	24	06 05 34.0		42.4 N		019.6 E	.000	12.91	120.87	BCIS
		6 12,1		LR		NG				
185	25	11 09 29.5		04.3 N		062.4 E	.000	66.42	113.02	USCGS
		11 20 22		P		VS				
186	25	13 36 11.0		44.6 N		005.4 E	.000	5.53	174.01	BCIS
		13 37 28,4		PN		VG		8.4		
		13 37 31,5		I		NS				
		13 37 32,4		I		VS				
		13 37 39,2		P*		VS				
		13 37 51,0		PG		VG				
		13 38 08,7		E		NG				
		13 38 27		SN		EG				
		13 38 39		E		EG				
		13 38 58,7		SG		ES				
		13 39 04,8		I		EG				
		13 39 15,8		E		EG				
187	25	16 35 56.2		01.3 S		128.7 E	.000	112.18	63.41	USCGS
		17 33,5		LM		EG				
188	25	17 50 25.3		21.6 S		178.0 O	.054	151.50	5.06	USCGS
		18 09 37		PKP		VG				
189	25	20 27 08		E		VS				
		20 27 14		/P*/		VS				
		20 27 22		PG		NG				
190	26	23 45 01.2		24.1 N		122.5 E	.000	88.00	53.91	USCGS
		23 57 51		P		VG				
		24 33,2		LQ		NG				
		24 39,5		LR		VG				

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AVRIL

191	27	03 42 33.9	66.7 N	019.2 O	.000	20.58 332.81	USCGS
		3 47 14	P	VG			
		3 54 50	E	NG			
		4 01,0	L	NG			
192	27	05 28 19.0	44.9 N	005.7 E	.000	5.25 171.40	BCIS
		5 29 39,8	PN	VS			
		5 30 01,6	PG	VS			
		5 31 03,3	SG	ES			
		5 31 13,3	E	EG			
193	27	08 42 58.0	00.6 S	128.4 E	.000	111.44 63.24	USCGS
		9 38,2	LQ	NG			
		9 47,2	LR	VG			
194	28	00 42 11.0	40.5 N	027.4 E	.020	18.63 112.28	USCGS
		52,8	LM	NG			
195	29	21 44 17.1	51.4 N	178.6 E	.004	78.85 3.82	USCGS
		21 56 15	P	VG		79.0	
		21 56 19	E	VS			
		21 56 26	PCP	NG			
		21 56 45	E	VS			
		21 59 14	PP	NG			
		22 06 14	S	EG			
		22 06 44	E	NG			
		22 15 16	E	EG			
		22 23 28	E	EG			
		22 30,4	LR	EG			
		22 35,8	MR	EG			
196	30	00 58 18.3	00.7 S	129.0 E	.000	111.87 62.78	USCGS
		1 17 40	PP	VS			
		1 18 04	E	EG			
		1 27 24	E	NG			
		1 27 36	E	VG			
		1 28 26	/PPS/	NG			
		1 54,3	L	EG			
		2 10,7	MR	EG			
197	30	18 43 14.0	08.2 S	079.9 O	.004	92.63 260.56	USCGS
		18 56 20	P	VS	.000	92.0	

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AVRIL - MAI

		18 56 24	E	VS					
		19 07 48	/S/	NG					
		19 36,5	LM	EG					
198	01	10 03 20.0	19.0 S	169.0 E	.017	146.56	27.49		USCGS
		10 22 45	PKP1	VG	.016	146.5			
		10 22 47	PKP2	VG					
		10 23 21	*PPKP1	VG					
		10 23 24	*PPKP2	EG					
		10 23 42	E	VS					
		10 23 58	I	EG					
		10 24 16	I	NG					
		10 27 04	I	NG					
		10 45 01	SS	EG					
		10 46 18	E	EG					
		10 50 23	SSS	EG					
		11 08,8	LQ	EG					
		11 13,3	LR	NG					
199	04	05 56 04.1	51.8 N	175.4 O	.006	78.58	360.00		USCGS
		6 08 04	P	VS					
200	05	17 11 47.2	17.5 S	173.7 O	.000	147.47	356.97		USCGS
		17 31 33	PKP	VS					
201	06	19 30 29.0	39.1 N	020.7 E	.000	15.85	127.79		BCIS
		19 39,5	LM	NG					
202	08	02 09 11.0	46.0 N	012.3 E	.000	6.59	125.50		BCIS
		2 11 12	P*	VS		6.9			
		2 11 59	E	ES					
		2 12 23	SN	VS					
		2 12 40	S*	NG					
		2 12 46	E	VS					
		2 12 52	E	VG					
203	08	10 22 11.2	36.6 N	141.0 E	.003	85.55	33.82		USCGS
		10 34 46	P	VG	.004	85.6			
		10 35 01	*PP	VS					
		10 38 07	PP	VG					
		10 44 26	E	EG					
		10 45 13	S	VG					

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MAI

10 45 42	*SS	NG
11 02,3	LQ	EG
11 05,2	LR	NG
11 07,6	LM	EG
11 09,7	MQ	EG
11 19,0	MR	NG

204	09	15 03 41.0 15 41,1	12.2 N LM	086.9 O NG	.000	81.68 279.00	USCGS
205	10	04 28 41.8 4 48 23 4 48 31	20.0 S PKP E	168.1 E VG VG	.000	147.22 29.56	USCGS
206	10	22 22 42.2 22 35 24 22 35 27 22 36 39 22 45 47 22 46 01 22 47 55 22 54,4 22 59,4 23 07,7	02.2 S P I E SKS SCS E LQ LR MR	077.6 O ES VG VS EG NG VG EG EG EG	.000 .000	86.59 262.61 86.6	USCGS
207	11	04 44 19.4 5 03 16	15.4 S PKP	177.1 O VS	.057	145.39 2.88	USCGS
208	11	17 49 41.9 18 35,9 18 40,5 18 43,1	24.1 N LQ LR LM	122.3 E NG VG NG	.000	87.78 54.02	BCIS
209	12	20 08 43.0 20 20 01 20 20 10 20 20 44 20 29 44 20 54,1	57.4 N P I E PS LR	153.9 O VS VG VG VG VG	.007 .000	71.50 347.91 71.3	USCGS

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MAI

5 17 08	P*	NS	1.4
5 17 27	S*	ES	

211	13	14 07 46.8	19.5 S	169.3 E	.020	147.12	27.29	USCGS
		14 27 13	PKP	VS				
		14 27 33	E	VS				
		14 27 53	E	VS				
212	15	12 08 11.0	39.0 N	026.7 O	.000	24.73	255.36	BCIS
		12 13 33	/P/	VG				
		12 14 13	PP	VS				
		12 14 25	E	VG				
		12 14 39	E	VG				
		12 18 02	E	EG				
		12 18 27	E	VG				
		12 20,0	LR	EG				
213	17	04 06 36.2	45.3 N	150.8 E	.000	80.63	23.45	USCGS
		4 18 48	P	VG				
214	17	06 09 18.2	15.7 N	120.1 E	.000	93.51	60.57	USCGS
		6 22 28	P	VG	.000	93.0		
		6 33 28	S	EG				
		6 58,1	LM	NG				
215	17	12 09 05.6	41.7 N	141.9 E	.002	81.30	30.92	USCGS
		12 52,9	LM	EG				
216	17	22 40 06.7	24.4 S	177.2 E	.006	153.71	15.36	USCGS
		22 59 56	PKP	VS				
		23 00 02	E	VS				
217	18	05 33 25.0	29.6 S	068.5 O	.000	102.18	238.52	USCGS
		6 29,4	LR	VG				
		6 32,5	MR	VG				
218	18	23 47 17.3	49.5 N	156.2 E	.006	77.92	18.49	USCGS
		23 59 13	P	VS				

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MAI

219	19	01 03	04.1	46.5 S	075.1 O	.000	118.15	230.50	USCGS
		1 21	47	PKP	VG	.000	118.0		
		1 23	04	E	VG				
		1 23	13	I	VG				
		1 24	26	E	NG				
		1 25	37	E	NG				
		1 26	45	E	NG				
		1 28	29	E	NG				
		1 29	01	/SKS2/	EG				
		1 30	21	E	EG				
		1 31	11	E	NG				
		1 32	32	E	NG				
		1 32	54	PKKP	VG				
		1 33	15	I	EG				
		1 54,4		LQ	NG				
		2 00,5		LR	VG				
		2 10,2		MR	EG				
220	19	10 00	04.0	46.0 N	014.8 E	.000	7.97	117.04	BCIS
		10 01	58	PN	VG		7.4		
		10 02	14	P*	VG				
		10 03	22	SN	NG				
		10 03	38	E	ES				
		10 03	48	S*	EG				
		10 04	07	SG	EG				
		10 04,5		LR	VS				
		10 05,2		MR	NG				
221	19	21 35	49.6	23.8 N	045.9 O	.000	46.96	255.16	USCGS
		21 44	19	P	VG	.000	46.5		
		21 44	23	E	VS				
		21 46	05	PP	VS				
		21 46	46	PPP	VG				
		21 47	01	E	VG				
		21 47	06	I	NG				
		21 51	01	S	EG				
		21 51	13	PPS	EG				
		21 51	34	E	VG				
		21 54	21	/SS/	VG				
		21 55	27	/SSS/	VG				
		21 56,1		LQ	NG				
		21 58,1		LR	EG				
		21 58,8		MQ	NG				
		22 00,1		MR	VG				
222	20	11 38	00.9	30.7 S	178.3 O	.000	160.51	7.49	USCGS

		11 57 58	PKP	VG	.000	160.5		
		11 58 37	E	ES				
		11 58 55	E	ES				
		12 02 19	PP	VG				
		12 03 01	E	ES				
		12 08 05	E	EG				
		12 09 10	E	NG				
		12 10 28	E	VG				
		12 12 09	E	EG				
		12 15 54	E	VG				
		12 44,8	LQ	EG				
		12 53,4	LR	EG				
		13 02,1	MR	EG				
		13 09,5	MR	VG				
		13 15,4	MQ	NG				
223	21	17 40 44.6	11.0 S	163.2 E	.006	137.20	31.82	USCGS
		18 47,0	LM	EG				
224	22	13 56 43.0	48.6 N	154.7 E	.000	78.46	19.74	USCGS
		14 08 45	P	VG	.000	78.6		
		14 08 47	I	VG				
		14 08 55	PCP	VG				
		14 09 12	F	VS				
		14 10 15	E	VS				
		14 11 41	PP	VG				
		14 15 00	E	NG				
		14 15 15	E	VG				
		14 18 34	S	NG				
		14 18 36	I	EG				
		14 19 21	/PS/	NG				
		14 22 29	PPS	EG				
		14 23 37	SS	EG				
		14 24 45	E	EG				
		14 33,2	LR	EG				
		14 41,7	MR	EG				
225	22	21 53 03.7	08.2 S	115.7 E	.002	109.68	78.87	USCGS
		22 11 42	PKP	VG				
		22 12 05	E	VS				
		22 14 34	PP	EG				
		22 18 08	E	EG				
		22 21 27	S	EG				
		22 22 28	E	EG				
		22 53,9	LM	NG				
226	23	03 33 19.1	15.0 S	176.7 0	.038	145.01	2.18	USCGS

		3 52 17	PKP	VG					
		3 52 46	E	NS					
		4 46,5	LM	NG					
227	23	03 57 41.1 16 39 47	01.3 S P	080.7 O VG	.000	87.89	265.57		USCGS
228	23	16 27 42.5 19 09,5	46.6 N LM	152.3 E EG	.003	79.79	21.99		USCGS
229	25	01 51 13.0 2 31,4	22.2 S LM	066.1 O EG	.043	95.07	241.43		USCGS
230	25	16 08 00.8 16 27 23 16 34 45 16 36 27 16 36 52 16 40 28 16 41 34 16 46 33 17 00,6 17 07,7	56.8 S PP E E E E E E LR MR	025.0 O VG VG NG VG NG VG NG EG EG	.000	109.22	196.73		USCGS
231	25	19 57 28.5 20 45,7	31.8 N LM	141.3 E NG	.012	89.94	35.73		USCGS
232	26	04 52 24.0 5 35,9 5 41,7 5 44,9	51.6 N LQ LR M	160.0 E EG NG NG	.000	76.45	15.46		BCIS
233	26	23 06 55.0 23 18 25 23 22 07 23 28 00 23 28 20 23 36 30 23 43,5 23 53,2	55.2 N P E S E E LR MR	159.9 E VS VG EG EG NG EG EG	.002 .000	73.15 74.0	14.50		USCGS

234	27	03 58 47.9	55.3 N	160.1 E	.003	73.09	14.36	USCGS
		4 10 14	P	VG	.003	73.0		
		4 20 24	/SKS/	NG				
		4 38,5	LM	NG				
		4 45,0	M	NG				
235	28	8 05 19	P*	VS		1.3		
		8 05 37	S*	ES				
		8 05 47	LR	NG				
236	28	21 04 10.0	47.5 N	152.4 E	.014	78.97	21.60	USCGS
		21 16 06	P	VG				
		21 23 35	E	EG				
237	29	00 47 50.8	28.3 N	052.2 E	.002	41.94	103.06	USCGS
		55 48	P	NS				
		56 29	E	VG				
238	29	08 27 44.5	17.7 S	178.8 0	.075	147.59	6.04	USCGS
		8 45 22	E	VG				
		8 46 20	E	VS				
		8 50 15	E	EG				
		8 54 10	E	EG				
239	30	06 56 09.3	54.2 S	143.7 E	.000	154.72	115.25	USCGS
		7 16 07	PKP	VS				
		7 16 30	E	VS				
		7 32 46	E	EG				
		8 08,3	L	NG				
		8 13,0	LM	NG				
240	31	05 29 30.4	55.2 N	160.0 E	.004	73.17	14.44	USCGS
		6 15,1	LM	EG				
241	01	02 07 38.2	46.7 N	152.4 E	.000	79.72	21.89	USCGS
		2 19 41	P	VS				

242	01	10 49	54.8	36.4 N	071.5 E	.006	49.02	79.43	USCGS
		10 58	37	P	VG				
243	01	12 30	55.8	15.0 S	172.4 O	.000	144.94	354.94	USCGS
		12 50	34	PKP	VG				
244	01	21 08	17.3	22.2 S	169.6 E	.000	149.75	28.43	USCGS
		21 28	11	PKP	VS				
245	01	21 13	52.0	15.2 S	173.5 O	.000	145.19	356.78	USCGS
		21 33	30	PKP	VG				
		21 33	40	*PPKP	VG				
		21 37	14	E	NG				
		21 39	12	E	VS				
		21 49	14	E	NG				
		21 49	19	E	NG				
		21 54	44	E	NG				
		22 26,4		LR	NG				
		22 36,4		LM	NG				
246	02	21 04	24.2	58.5 S	015.6 O	.003	109.40	191.09	USCGS
		21 23	15	PP	VG				
		21 25	31	E	VG				
		21 32	46	E	NG				
		21 33	12	E	VG				
		21 33	28	PS	VG				
		21 33	59	E	NG				
		21 52,0		LR	NG				
		22 00,1		MR	VG				
247	03	11 31	48.7	05.3 N	072.9 O	.000	77.88	263.79	USCGS
		11 44	26	P	ES				
		11 44	44	E	VS				
		12 09,5		LM	NG				
248	04	11 54	09.1	30.5 S	177.8 O	.000	160.35	6.15	USCGS
		12 18	34	PP	VG				
		13 18,3		LM	EG				
249	04	21 04	42.3	01.2 S	127.3 E	.000	111.29	64.58	USCGS

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		16 13 36	SKS	EG					
		16 35,9	LR	NG					
255	07	19 30 35.6	08.5 N	103.1 O	.000	94.63	289.00	USCGS	
		20 15,0	LR	NG					
256	07	21 28 48.5	08.8 N	102.5 O	.000	94.03	288.72	USCGS	
		22 17,3	LR	EG					
257	07	22 31 54.8	15.2 S	173.1 O	.000	145.17	356.10	USCGS	
		22 51 30	PKP	VG					
258	07	22 37 30.0	15.3 S	173.2 O	.000	145.27	356.26	USCGS	
		22 57 06	PKP	VG					
		22 57 19	E	VS					
		23 08 54	E	NG					
		23 19 13	E	EG					
		23 49,6	LR	EG					
		24 09,1	MQ	NG					
259	08	01 01 51.9	15.1 S	173.0 O	.000	145.07	355.94	USCGS	
		1 21 28	PKP	VG					
		2 24,2	LQ	EG					
		2 29,2	LR	NG					
260	08	04 22 52.2	22.9 S	013.5 W	.000	74.50	197.27	BCIS	
		4 39 32	E	VS					
		4 43 59	/S/	EG					
		4 51,5	LQ	NG					
		5 00,6	LR	VG					
261	09	20 37 51.6	10.7 N	041.9 O	.000	54.73	240.78	USCGS	
		20 47 18	P	NG	.000	54.7			
		20 54 59	S	EG					
		21 01,0	LR	NG					
262	10	04 16 37.7	55.4 S	146.4 E	.000	156.39	117.81	USCGS	
		4 36 31	PKP	VS					

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13 00	35,8	PG	EG	
13 00	38,8	I	NG	.0
13 00	39,9	SG	NS	
13 00	40,1	I	VS	

270	15	15 30	37.7	36.3 S	098.9 O	.000	124.79	253.32	USCGS
		16	30,8	LM	NG				

271	17	18 32	14.5	60.4 N	140.8 O	.000	66.45	342.08	USCGS
		18 43	02	P	VG				
		18 52	04	E	VG				
		18 57	11	E	EG				
		19 08,1		LM	EG				

272	17	20 08	37.0	20.4 S	174.4 O	.000	150.37	358.09	USCGS
		20 28	28	PKP	VG				

273	17	23 02	06.6	04.1 S	102.2 E	.006	97.94	86.80	USCGS
		23 19	34	E	VS				
		23 19	47	PP	VG				
		23 26	19	/S/	EG				

274	18	04 02	31.0	29.0 N	129.9 E	.000	87.58	45.69	USCGS
		4 15	19	P	VG				
		4 48,8		LQ	EG				
		4 53,9		LR	VG				
		4 57,8		LM	EG				

275	19	09 09	04.0	04.7 N	126.5 E	.008	106.05	61.71	USCGS
		9 23	12	P	VG				
		9 27	36	E	VG				
		9 37	12	E	VG				
		10 01,6		LR	EG				
		10 11,8		LM	EG				

276	19	10 47	24.7	25.0 N	092.1 E	.003	69.69	75.14	USCGS
		10 58	33	P	VG				
		11 27,4		LR	EG				

277	19	23 01	51.5	31.5 N	140.3 E	.001	89.83	36.62	USCGS
		23 14	52	P	VS		89.2		
		23 18	25	PP	VG				
		23 25	41	S	NG				
		23 26	45	PS	VG				
		23 48,0		LM	NG				
278	20	19 47	45.0	36.2 N	004.2 O	.000	15.28	207.98	BCIS
		19 51	20	P	EG	.000	15.3		
		19 51	33	PP	NG				
		19 54	17	/S/	EG				
		19 54	38	/SS/	EG				
		19 55	22	E	NG				
		19 55,6		LQ	NG				
		19 56,2		LR	EG				
		19 58,0		MR	VG				
279	21	13 44	24.6	47.9 N	130.3 E	.000	71.83	35.12	USCGS
		14 18,8		LQ	EG				
		14 21,9		LR	EG				
		14 24,1		M	EG				
280	21	15 26	31.0	25.2 N	092.2 E	.004	69.61	74.93	USCGS
		15 37	36	P	VG				
281	23	03 49	33.9	29.6 S	177.9 O	.003	159.45	6.20	USCGS
		4 10	09	PKP	VS				
		5 14,6		LR	NG				
		5 23,2		LM	EG				
282	23	09 33	52.0	45.4 N	015.4 E	.000	8.66	118.72	BCIS
		9 36	00	P	VS				
		9 37	48	LQ	EG				
		9 37	58	LR	VG				
283	24	04 26	37.9	59.5 N	151.7 O	.003	69.16	347.32	USCGS
		4 37	42	P	VG	.000	69.0		
		4 37	49	I	NG		67.3		
		4 37	56	I	VG				
		4 38	04	PCP	ES				
		4 40	10	PP	VG				
		4 42	26	PPPP	EG				

		4 46 37	S	EG					
		4 46 51	PS	NG					
		4 54,6	LR	VG					
		5 02,4	LR	VG					
		5 04,0	MQ	NG					
		5 09,9	MR	NG					
284	24	06 19 07.4 6 59,8	59.2 N LM	152.0 O EG	.000	69.49	347.39		USCGS
285	24	15 01 44.2 15 20 38	15.5 S PKP	177.5 O VG	.059	145.48	3.56		USCGS
286	24	16 17 15.4 16 29 14 16 39 07 16 54,6 17 00,5	52.3 N P /S/ LQ LR	171.2 O VG NG EG VG	.000	78.01	357.36		USCGS
287	25	17 42 02.5 17 42 35,9 17 42 37,5 17 42 38,0 17 42 43,4 17 42 59,5 17 43 02,7 17 43 03,9 17 43 08,4	50.4 N PN P* PG E SN SG E E	007.2 E VG ES ES ES NG VS VS NS	.000	1.70 1.8	78.69		BCIS
288	25	22 16 10.5 22 16 43,6 22 16 46,6 22 16 47,1 22 16 49,6 22 16 53,6 22 17 07,2 22 17 10,2 22 17 11,3 22 17 12,4 22 17 19,1	50.3 N PN PG E E E SN SG E E E	007.2 E VG VS ES VS VS NG ES VS NS NG	.000	1.69 1.8	82.05		BCIS
289	26	10 27 10.0	36.0 N	004.2 O	.000	15.47	207.70		BCIS

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		10 30 48	P	VS					
		10 33 43	E	NG					
		10 34,8	LQ	NG					
		10 35,6	LR	EG					
		10 37,4	MR	VG					
290	26	14 09 13.0	36.4 N	076.9 E	.000	52.42	75.91		USCGS
		14 18 27	P	VS					
		14 19 05	E	VS					
291	26	17 42 40.6	07.1 N	082.3 O	.000	82.57	272.19		USCGS
		17 55 06	P	VG		82.5			
		17 56 34	E	EG					
		18 05 24	S	EG					
		18 17,2	LR	NG					
		18 21,2	LM	NG					
292	27	07 08 01.7	60.5 N	140.7 O	.000	66.33	342.07		USCGS
		7 18 49	P	VG					
		7 42,5	LR	NG					
293	27	10 29 14.0	44.2 N	012.2 E	.000	7.85	135.81		BCIS
		10 34,3	LR	NG					
294	28	02 28 51.6	27.5 S	066.1 E	.000	94.40	128.46		USCGS
		2 42 12	P	VS					
		2 52 53	/SKS/	EG		79.8			
295	28	21 55 38.8	46.5 N	153.2 E	.000	80.10	21.43		USCGS
		22 07 48	P	VG		79.8			
		22 07 51	I	VG					
		22 07 57	PCP	VS					
		22 08 05	E	VG					
		22 10 49	PP	NG					
		22 17 51	S	NS					
		22 18 36	PS	VG					
		22 23 05	SS	EG					
		22 31,3	LQ	EG					
		22 37,3	LR	VG					
		22 41,0	MQ	EG					
		22 46,2	MR	VG					

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296	28	22 25 04.5 22 37 14	46.7 N P	153.4 E VS	.000	79.96	21.23	USCGS
297	28	22 57 03.4 23 09 15	46.4 N P	153.4 E VS	.000	80.24	21.33	USCGS
298	29	23 53 56.1 6 07	46.4 N P	153.5 E VS	.000	80.26	21.27	USCGS
299	30	07 41 08.2 18 29,8	33.3 N LR	049.1 E NG	.001	36.61	100.14	USCGS
300	30	22 04 52.8 22 17 01 22 27 06 22 47,9 22 53,4	46.5 N P S LQ LR	153.3 E VG EG NG NG	.000 .000	80.12 80.4	21.37	USCGS
301	01	10 27 48.0 10 37,9	65.0 N LR	018.0 O EG	.000	19.04	330.04	BCIS
302	01	17 53 12.0 18 12 48 18 13 02	20.8 S PKP E	169.2 E VS NS	.000	148.31	28.23	USCGS
303	01	21 10 28.5 21 20 31 21 43,6 21 49,3	37.0 N P LQ LR	096.1 E VS EG VG	.000	63.60	63.33	USCGS
304	01	22 39 57.8 22 52 06	46.5 N P	153.6 E VS	.006	80.19	21.17	USCGS
305	02	00 15 22.4 42,0	43.9 N LR	085.2 E NG	.001	52.82	63.55	USCGS

306	04	06 55 16.8 7 42,9 7 48,4	24.0 N LQ LR	122.4 E NG EG	.005	88.03	54.04	USCGS
307	04	10 58 13.2 11 17 49 11 17 59 11 18 03 11 18 17 11 18 35 11 19 06 11 21 49 11 21 54 11 25 30 11 28 21 11 32 11 11 33 11 12 20,1 12 27,1	26.3 S PKP1 E E PKP2 *PPKP1 *PPKP2 E PP PPP E E E LM LM	177.7 0 VG VG VS VG EG VS VS VG VG NG NG NG EG VG	.020 .022	156.18 151.0	5.10	USCGS
308	04	22 56 15.7 23 07 28 23 10 06 23 16 38 23 29,1 23 35,9 23 36,4	18.5 S P PP S LQ LR M	012.6 0 VG VG NG EG VG EG	.000	69.89 70.3	197.37	USCGS
309	05	05 48 13.4 6 01 28 6 05 02 6 11 57 6 33,6	11.6 S P PP SKS LR	077.5 0 VG EG VG EG	.003 .000	93.70 93.7	256.57	USCGS
310	05	13 11 37.5 13 37,2	37.2 N L	073.0 E NG	.012	49.48	77.62	USCGS
311	05	14 21 28.5 14 25 38 14 25 52 14 28 52 14 30,4 14 31,2	39.1 N P PP S LR MR	022.9 E VG VG VG NG EG	.000	17.00 17.7	123.31	USCGS

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312	06	22 32 31.7 22 43 39	16.3 S P	039.7 E VG	.000	72.91 144.72	USCGS
313	07	19 20 42.3 19 32 22 20 00,3	39.6 N P LR	111.9 O VG EG	.000	74.76 314.21	USCGS
314	08	11 05 07.5 11 14 25 11 21 58 11 22 10 11 31,4	00.3 N P S PS LR	017.8 O VG EG VG NG	.000	53.12 208.42 53.6	USCGS
315	08	16 02 26.8 16 07 19 16 15,2	36.6 N P LR	028.0 E VS EG	.000	21.60 119.74	USCGS
316	08	17 49 30.9 18 00 02 18 30,9	65.8 N P L	153.9 O VS EG	.000	63.34 350.26	USCGS
317	09	03 04 37.4 3 16 48 3 50,0 3 55,2	46.3 N P LQ LR	153.7 E VG EG VG	.000	80.41 21.17	USCGS
318	09	09 24 33.3 9 36 54 9 40 07 9 47 11 10 02,0 10 05,7	08.5 N P PP S LR M	083.0 O VS VG NG EG NG	.000 .	81.96 273.64 81.6	USCGS
319	09	17 34 33.2 18 22,0 18 27,7	24.2 N LQ LR	122.4 E NG VG	.000	87.87 53.93	USCGS
320	09	18 56 12.6	29.1 S	068.1 O	.000	101.57 238.56	USCGS

		18 49 06	PKP	VG					
		19 51,1	LM	EG					
321	10	02 11 58.3	36.5 N	071.8 E	.000	49.15	79.13	USCGS	
		2 20 04	P	VG					
322	10	03 14 41.8	46.3 N	153.4 E	.000	80.34	21.37	USCGS	
		3 26 51	P	VG	.000	80.3			
		3 37 03	SKS	EG					
		3 37 09	E	EG					
		3 57,4	LQ	EG					
		4 02,0	LR	EG					
323	10	05 22 57.1	46.3 N	152.9 E	.000	80.22	21.70	USCGS	
		5 35 05	P	VG	.000	80.1			
		5 35 10	/PCP/	VG					
		5 38 08	PP	NG					
		5 45 07	S	NG					
		5 45 13	E	EG					
		5 51 19	SS	NG					
		5 58,7	LR	NG					
		6 09,4	MQ	EG					
		6 16,1	MR	VG					
324	10	07 19 41.0	39.8 N	023.9 E	.015	17.06	119.75	USCGS	
		7 28,0	LM	EG					
325	10	09 49 29.6	13.4 N	044.9 O	.001	54.29	245.63	USCGS	
		9 58 55	P	VG					
		10 14,4	LR	EG					
326	10	13 54 22.6	46.1 N	153.9 E	.000	80.64	21.10	USCGS	
		14 42,5	LQ	EG					
		14 46,5	LR	NG					
327	12	15 28 08.5	46.8 N	153.6 E	.000	79.91	21.06	USCGS	
		15 40 15	P	VG		79.7			
		15 43 /14/	PP	VG					
		15 50 17	S	EG					
		15 50 25	SKS	EG					

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15 50 39	E	EG
15 55 22	SS	NG

328	13	23 51 16.0	05.5 S	153.3 E	.004	128.35	41.26	USCGS
		11 33	PKP	VG				

329	13	23 42 03.0	33.9 N	140.7 E	.006	87.84	35.25	USCGS
		28,2	LQ	EG				
		30,3	LR	NG				

330	13	13 58 25.7	44.3 N	148.8 E	.000	81.03	25.17	USCGS
		14 10 41	P	VS				

331	13	14 06 23.7	24.3 N	122.3 E	.000	87.74	53.95	USCGS
		14 19 11	P	VG				
		14 53,3	LM	EG				

332	14	00 02 22.8	30.5 S	177.2 O	.000	160.38	4.62	USCGS
		22 21	PKP	VS	.000	160.5		
		22 29	E	VG				
		26 41	PP	VG				
		1 27,3	LM	EG				

333	14	05 41 43.0	10.4 N	062.6 O	.000	67.45	259.00	USCGS
		5 52 39	P	VG		67.0		
		5 55 10	PP	NG				
		6 01 32	S	NG				
		6 09 52	E	NG				
		6 16,3	LR	EG				

334	14	17 06 38.6	39.4 S	174.9 E	.024	167.25	36.38	USCGS
		17 26 18	PKP	VS				
		17 26 22	E	VS				
		17 27 29	E	VG				

335	16	18 27 18.4	43.1 N	041.5 E	.000	26.10	91.25	USCGS
		18 32 51	P	VG	.00	26.0		
		18 32 55	I	VS				

		18 33 10		I	VG					
		18 33 35		E	VG					
		18 37 17		S	EG					
		18 37 33		*SS	NG					
		18 38,0		LR	EG					
		18 41,6		MQ	NG					
		18 44,0		MR	EG					
336	16	22 11 23.0		43.3 N	041.6 E	.000	26.07	90.77		USCGS
		22 17 01		P	VS					
337	17	11 57 06.7		43.1 N	041.5 E	.000	26.10	91.25		USCGS
		12 02 42		P	VG					
		12 07 08		S	EG					
		12 07 22		*SS	EG					
		12 10,7		LM	NG					
		12 12,3		LM	NG					
338	17	15 07 22.3		49.5 N	156.3 E	.007	77.95	18.43		USCGS
		15 19 16		P	VS					
339	18	00 04 05.3		49.1 N	128.9 O	.000	73.50	330.17		USCGS
		39,4		L	EG					
		45,9		LM	VG					
340	18	04 58 09.2		61.0 S	022.3 O	.000	112.75	193.84		USCGS
		5 16 44		PKP	VS	.000	113.0			
		5 17 33		/PP/	VG					
		5 23 32		/SKS/	NG					
		5 24 30		E	VG					
		5 24 35		/SKKS/	NG					
		5 57,3		LM	EG					
341	19	05 45 26.0		43.3 N	008.2 E	.000	7.24	158.62		BCIS
		5 47 09,9		PN	NS		7.1			
		5 47 12,4		E	ES					
		5 47 15,1		PN	NG		7.1			
		5 47 16,9		E	VS					
		5 47 19,7		E	VS					
		5 47 22,9		P*	VS		7.1			
		5 47 27,1		PN	NG		7.0			
		5 47 30,1		E	NS					

5 47	31,9	P*	NS	7.1
5 47	35,9	E	NS	
5 47	38,9	E	VS	
5 47	40,9	E	ES	
5 47	41,9	P*	ES	7.0
5 47	43,9	PG	NS	7.1
5 47	47,9	E	NS	
5 47	50,9	PG	NS	7.1
5 47	52,9	E	NS	
5 47	56,4	E	ES	
5 47	58,4	PG	ES	7.0
5 48	01,5	E	VS	
5 48	03,5	E	NS	
5 48	06,7	E	VS	
5 48	09,4	E	VS	
5 48	12,4	E	VS	
5 48	14,7	E	VS	
5 48	17,1	E	VS	
5 48	18,9	E	ES	
5 48	21,4	E	VS	
5 48	25,3	E	NS	
5 48	27,1	E	VS	
5 48	30,7	SN	VS	7.1
5 48	35,4	E	VS	
5 48	37,9	E	VS	
5 48	40,1	SN	NS	7.1
5 48	48,8	SN	NS	7.0
5 48	51,9	E	NS	
5 48	56,6	S*	NS	7.1
5 49	02,9	S*	NS	7.1
5 49	06,9	E	VS	
5 49	16,9	SG	NS	7.1
5 49	19,4	SG	NS	7.1
5 49	28,3	E	NS	
5 49	30,1	SG	VS	7.0
5 49	34,6	E	NS	
5 49	37,9	E	NS	
5 49	41,2	E	NS	
5 49	43,9	E	NS	
5 49	47,4	E	NS	
5 49	50,9	E	NS	
5 49	57,6	E	NS	
5 49	58,7	E	VS	
5 50	00,9	E	NS	
5 50	15,4	E	NS	
6 33	59	PN	VS	
6 34	14	P*	VS	
6 34	26	E	VS	
6 34	46	E	VS	
7 03	26	PN	VS	
7 04	39	SN	ES	

		9 13 22	P	VS					
		9 45,8	LM	NG					
343	20	00 51 55.7	43.4 N	041.2 E	.000	25.77	90.88		USCGS
		57 30	P	EG					
		1 01 44	/S/	EG					
		1 08,9	LQ	EG					
		1 09,4	LR	VG					
344	20	02 13 45.3	47.2 N	152.2 E	.012	79.20	21.84		USCGS
		2 25 40	P	NG					
345	20	06 36 10.8	57.6 S	148.5 E	.000	157.54	123.50		USCGS
		6 56 19	PKP1	VG					
		6 56 24	E	VG					
		6 56 47	E	VG					
		6 56 57	E	NS					
		6 57 05	PKP2	VG					
		6 57 25	E	NG					
		6 58 20	E	VG					
		6 58 59	E	EG					
		7 00 43	PP	VG					
		7 01 08	E	EG					
		7 01 31	E	NG					
		7 20 19	E	EG					
346	21	06 01 57.3	14.8 N	056.1 E	.000	54.38	111.43		USCGS
		6 11 24	P	VG					
347	21	11 08 25.0	42.5 N	013.4 E	.000	9.73	138.00		BCIS
		11 10 50	P	VS		9.6			
		11 11 06	PPP	VS					
		11 11 18	E	ES					
		11 11 34	E	ES					
		11 12 31	E	NS					
		11 12 40	S	NG					
		11 12 53	SS	VG					
		11 13 35	E	VG					
		11 14,1	LQ	EG					
		11 14,6	LR	EG					
348	22	00 29 14.9	06.1 S	148.9 E	.004	126.91	46.54		USCGS

48	17	PKP	VS
1 08	17	E	EG
1 32,0		LM	NG

349	23	06 17 51.5	41.5 N	141.9 E	.009	81.48	31.01	USCGS
		6 30 01	P	VG				
		7 03,4	LM	NG				

350	23	12 40 55.4	43.1 N	147.5 E	.000	81.77	26.52	USCGS
		12 52 13	P	VG				

351	24	11 32 17.7	24.6 N	122.0 E	.000	87.33	54.00	USCGS
		11 45 05	P	VS		87.0		
		11 45 15	E	VS				
		11 45 39	E	VS				
		11 55 31	SKS	EG				
		11 55 39	E	EG				
		11 55 46	S	NG				
		12 14,3	LR	NG				
		12 20,9	MQ	NG				
		12 26,4	MR	EG				

352	26	09 26 46.4	39.6 N	015.2 E	.048	12.90	140.43	USCGS
		9 29 40	P	VS				

353	26	19 46 33.2	36.9 N	029.1 E	.000	22.01	117.48	USCGS
		19 51 24	P	VG				
		19 55 36	E	NG				

354	27	05 58 20.0	43.3 N	008.2 E	.000	7.24	158.62	BCIS
		6 00 07	PN	VS		7.2		
		6 00 11	E	VS				
		6 00 14	E	VS				
		6 00 23	P*	VS				
		6 00 40	PG	EG				
		6 01 20	E	NS				
		6 01 31	SN	ES				
		6 01 40	I	ES				
		6 01 45	E	VS				
		6 01 59	S*	NG				
		6 02 04	E	VS				
		6 02 13	I	EG				

				6 02 17	SG	VS				
355	27	13 44 13 49.15	32.9	34.3 N P	023.1 E VS	.000	20.81	132.32		USCGS
356	28	04 17 4 29	50.7	51.7 N P	174.5 O VS	.000	78.67	359.42		USCGS
357	28	12 11 12 23	27.9	52.6 N P	158.9 E VG	.000	75.48	15.86		USCGS
358	28	13 25 13 30 13 30 13 34 13 37,4	18.2	72.0 N P E S LR	000.0 W NS EG EG VG	.000	22.06 22.3	356.21		USCGS
359	28	18 51 19 03 19 37,4 19 44,2	36.7	46.6 N P LQ LM	153.1 E VG NG VG	.000	79.98	21.46		USCGS
360	29	06 10 6 18 6 18 6 18 6 18 6 39,7	22.6	27.8 N P E E LQ LR	055.6 E VG VS EG NG NG	.001	44.43	100.50		USCGS
361	29	20 14 20 34 20 34 20 36 20 37 20 40 20 42 20 49 20 50 20 58 20 59	07.3	30.2 S PKP1 PKP2 PKP1 PKP2 PP PPP E E SS E	177.3 O VG VS VS EG VG NG EG NG EG VG	.001 .000	160.08 160.0	4.82		USCGS

21 35,8	LM	NG
21 42,1	MR	NG
21 53,2	M	VG

362	30	05 45	53.3	29.6 S	177.3 O	.000	159.48	4.71	USCGS
		6 05	53	PKP1	VG		159.5		
		6 06	04	*PPKP1	ES				
		6 06	14	E	NG				
		6 06	34	PKP2	ES				
		6 06	42	*PPKP2	EG				
		6 10	14	PP	VG				
		6 10	26	*PPP	EG				
		6 12	56	SKS	NG				
		6 21	00	E	NG				
		6 23	37	PPS	NG				
		6 30	40	/SS/	NG				
		6 36	42	/SSS/	NG				
		7 01,5		LQ	NG				
		7 09,7		LM	NG				
		7 16,3		MQ	EG				
		7 19,2		MR	NG				
		7 28,3		M	EG				

363	30	06 52	22.7	51.7 N	158.1 E	.000	76.20	16.62	USCGS
		7 04	10	P	VG				
		7 04	24	/PCP/	VS				
		7 13	45	/S/	EG				
		7 14	14	/PPS/	VG				

364	30	13 51	57.8	55.9 S	027.5 O	.000	108.86	198.45	USCGS
		14 10	25	PKP	VS				
		14 10	44	E	VS				
		14 36,2		LQ	EG				
		14 40,0		LR	NG				
		14 49,0		LM	EG				

365	30	14 23	13.7	29.5 S	177.1 O	.000	159.39	4.20	USCGS
		14 43	46	PKP	NS				

366	30	15 04	38.7	29.9 S	177.4 O	.007	159.78	5.01	USCGS
		15 35	34	E	EG				
		16 30,7		LM	EG				

367	31	01 44 18.8 2 04 31 2 05 04 3 11,7	29.8 S PKP E LM	177.2 O VS VS EG	.005	159.69	4.50	USCGS
368	01	10 45 02.7 11 31,4	55.3 N LM	161.8 E NG	.003	73.35	13.38	USCGS
369	02	09 07 18.0 9 12 31 9 16 52 9 17 02 9 19,7 9 25,8	56.2 N P E E LR MR	034.1 O VG EG EG NG NG	.001	23.76	299.83	USCGS
370	02	09 13 46.8 9 18 59	56.3 N P	034.5 O VS	.000	23.99	300.10	USCGS
371	02	10 49 16.1 10 53 34 10 56 47	34.7 N /P/ S	008.9 O NS NS	.000	18.28	217.79	USCGS
372	02	12 49 35.0 13 02,0	57.5 N LM	038.5 O EG	.000	26.14	303.11	USCGS
373	02	19 26 26.0 20 29,7	06.0 N LM	125.1 E EG	.013	104.20	62.13	USCGS
374	03	03 48 06.4 4 06 34	07.5 S PKP	156.8 E VG	.058	131.61	38.20	USCGS
75	03	10 21 36.6 10 30 59 10 31 01 10 31 03 10 31 08 10 31 19 10 31 32	07.7 N P I I PCP E E	035.8 O VG VG VS VG VS VS	.000 .000	53.95 53.7	232.56	USCGS

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		10 31	37	E	VS				
		10 32	57	PP	NG				
		10 34	06	PPP	EG				
		10 38	26	S	NG				
		10 38	36	PS	EG				
		10 38	41	PPS	VG				
		10 44,4		LQ	NG				
		10 46,4		LR	VG				
		10 48,2		MQ	NG				
		10 51,8		MR	VG				
376	03	10 34	25.7	07.8 N	035.9 O	.000	53.91	232.73	USCGS
		10 43	51	P	VS				
377	03	16 29	35.8	52.0 N	174.3 O	.000	78.37	359.30	USCGS
		16 41	36	P	VG				
378	03	20 07	19.9	01.4 N	028.2 O	.000	55.91	220.80	USCGS
		20 17	01	P	VG		56.2		
		20 24	55	S	NG				
		20 30,8		LR	EG				
379	03	20 26	04.1	30.7 S	178.3 O	.001	160.51	7.49	USCGS
		20 46	02	PKP1	VS	.000	160.3		
		20 46	43	PKP2	VS				
		21 53,6		LM	EG				
380	04	09 13	17.8	22.6 S	173.4 E	.006	151.18	21.85	USCGS
		9 33	04	PKP	VS				
381	04	12 07	24.4	04.1 S	080.3 O	.000	89.76	263.47	USCGS
		12 20	23	P	VG				
		12 20	35	E	VG				
382	05	23 54	14.0	17.5 S	179.1 O	.075	147.37	6.54	USCGS
		12 59		PKP1	VG	.075	147.5		
		13 03		PKP2	VS				
		14 01		E	EG				
		15 01		*PPKP1	VG				
		15 04		*PPKP2	NG				

		19	18	E	VG				
383	05	15 39	07.0	60.7 S	154.3 E	.000	159.90	133.54	USCGS
		15 59	24	PKP	VG				
		16 01	28	E	VG				
		16 02	27	E	VG				
		16 04	26	E	EG				
		16 08	21	E	VG				
		17 03,9		LQ	EG				
		17 06,9		LR	VG				
		17 13,4		MR	VG				
		17 16,2		M	NG				
384	06	09 28	30.0	38.1 S	072.3 O	.010	110.67	235.27	USCGS
		9 47	09	PKP	VG				
385	06	13 36	35.6	57.0 N	033.6 O	.000	23.48	301.83	USCGS
		13 41	42	P	VG		23.1		
		13 41	50	E	VG				
		13 42	07	/PP/	ES				
		13 46	01	S	EG				
		13 46	07	E	NG				
		13 47	10	E	NG				
		13 48,3		LR	EG				
		13 48,4		LM	NG				
		13 49,9		M	NG				
386	07	04 33	42.7	54.0 N	142.1 E	.000	70.38	25.06	USCGS
		4 44	57	P	VS				
		5 12,9		LQ	EG				
		5 18,4		LM	EG				
387	07	07 17	25.8	07.5 N	037.2 O	.000	54.84	233.89	USCGS
		7 27	51	P	VG				
		7 34	14	E	EG				
		7 40,9		LQ	NG				
		7 44,7		LR	VG				
388	08	02 14	54.4	54.2 N	168.1 E	.000	75.25	9.94	USCGS
		2 26	36	P	VG	.000	75.4		
		2 27	10	E	NS				
		2 29	28	PP	VG				

2	31	15	PPP	VG
2	32	09	E	VG
2	36	12	S	EG
2	36	20	SKS	NG
2	37	02	PS	NG
2	41	18	/SS/	NG
2	49,5		LQ	EG
2	50,4		LR	NG
3	03,7		MQ	EG
3	05,9		MR	NG

389	08	11 16	11.2	05.8 S	151.1 E	.002	127.66	43.92	USCGS
		11 37	18	/PP/	VG				
		11 49	00	E	VG				
		12 14,2		LQ	EG				
		12 21,9		LM	NG				
		12 32,9		MR	VG				

390	09	06 05	29.0	44.3 N	012.2 E	.000	7.77	135.35	BCIS
		6 07	21,6	PN	VG		7.5		
		6 07	31,3	E	VS				
		6 07	37,3	P*	EG				
		6 07	43,5	E	VS				
		6 07	57,0	PG	NG				
		6 08	44,3	SN	NS				
		6 08	50,1	E	EG				
		6 08	58,3	LR	EG				
		6 09	05,1	E	VG				
		6 09	12,4	S*	NG				
		6 09	18,2	E	VS				
		6 09	34,1	/SG/	EG				
		6 09	39,9	MR	NG				
		6 09	49,4	M	VS				

391	09	14 36	45.9	15.3 S	175.7 O	.000	145.32	.50	USCGS
		14 56	22	PKP	VG				
		15 17	03	E	EG				
		15 23	04	E	EG				
		15 23	37,2	L	EG				
		15 23	51,8	LM	EG				

392	09	19 14	06.5	51.2 N	006.6 E	.000	1.69	48.31	BCIS
		19 14	37,2	P*	EG		1.4		
		19 14	38,4	PG	VS				
		19 14	39,5	E	ES				
		19 14	55,5	S*	VG				

393	10	04 27 33.5 4 53,4	28.1 N LM	053.3 E NG	.002	42.77	102.26	USCGS
394	10	18 07 26.2 18 27 16	54.4 S PKP	132.8 O VG	.000	153.75	243.98	USCGS
395	11	01 34 22.2 3 07,0	60.5 S LM	154.9 E NG	.000	160.25	133.26	USCGS
396	12	07 19 54.9 7 27 57	27.7 N P	053.2 E VS	.000	42.99	102.77	USCGS
397	12	18 29 38.8 18 38 39 18 45 56 19 00,4	25.3 N P S LM	062.7 E VG NG EG	.000 .000	50.70 51.1	96.84	USCGS
398	13	03 26 45.4 3 38 21 4 29,9	55.0 N P LM	156.4 O EG EG	.000	74.16	348.75	USCGS
399	13	06 29 19.1 6 48 09	20.6 S PKP	178.5 O VS	.083	150.48	5.89	USCGS
400	13	06 52 06.1 7 11 56	19.1 S PKP	173.9 O VG	.000	149.07	357.23	USCGS
401	13	07 03 49.6 7 12 13	36.6 N P	070.9 E VG	.033	48.52	79.62	USCGS
402	13	21 52 37.4 22 12 21 22 12 25 22 12 28	19.3 S PKP1 E PKP2	173.7 O VG VG VS	.000	149.26	356.85	USCGS

22 35 21	E	EG
23 13,3	L	NG
23 17,3	LM	EG

403	14	02 46 44.1	21.4 S	175.2 O	.000	151.38	359.60	USCGS
		3 06 38	PKP	VG				
		4 08,6	L	NG				
		4 11,7	LM	EG				

404	14	03 32 33.5	04.9 S	152.3 E	.005	127.39	42.07	USCGS
		3 51 36	PKP	VS				
		4 38,0	L	NG				
		4 47,0	LM	EG				

405	14	16 18 18.0	24.1 N	122.4 E	.000	87.95	53.98	USCGS
		17 05,7	L	NG				
		17 11,5	LM	VG				

406	14	18 43 55.5	03.4 S	135.4 E	.000	117.68	58.61	USCGS
		19 02 41	PKP	VG				
		19 52,6	L	EG				
		19 55,5	LM	NG				

407	15	06 11 34.6	37.9 N	141.6 E	.004	84.60	32.81	USCGS
		6 24 04	P	VG		84.3		
		6 27 21	PP	VS				
		6 29 12	PPP	VS				
		6 30 40	PPPP	VG				
		6 34 23	SKS	EG				
		6 34 27	S	NG				
		6 34 42	SCS	VG				
		6 34 48	E	EG				
		6 35 05	E	NG				
		6 35 19	PS	EG				
		6 35 42	PPS	VG				
		6 40 16	/SS/	EG				
		6 43 27	SSS	NG				
		6 49,2	LQ	EG				
		6 52,2	LR	NG				
		6 56,5	LM	NG				
		7 03,8	MR	VG				

408	15	17 25 05.9	13.8 S	069.3 O	.080	90.35	248.97	USCGS
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		17 37	11		P	VG			.080	91.3		
		17 37	13,5		E	VS						
		17 37	15,0		E	VS						
		17 37	16,5		E	VS						
		17 37	28		I	VG						
		17 37	31		I	VG						
		17 37	36,0		I	VS						
		17 39	29		*SP	VS						
		17 40	56		PP	EG						
		17 42	58		PPP	EG						
		17 47	06		SKS	EG						
		17 47	29		S	NG						
		17 47	36		SCS	NG						
		17 48	09		E	VG						
		17 48	38		I	EG						
		17 48	47		SP	NG						
		17 49	19		SPP	VG						
		17 49	59		*SSKS	VG						
		17 50	21		*SS	VG						
		17 50	56		I	EG						
		17 51	10		E	ES						
		17 53	49		SS	VS						
		17 53	55		SSP	VG						
409	15	22 29	47.1	21.0	S	179.2	0	.088	150.82	7.28	USCGS	
		22 48	36	PKP		VS						
410	16	23 06	24.6	12.8	S	014.5	0	.000	64.76	200.64	USCGS	
		23 17	15	P		VG						
		23 40,1		LQ		EG						
		23 44,0		LR		VG						
411	17	11 12	41.2	30.6	N	130.9	E	.000	86.68	44.11	USCGS	
		11 25	23	P		VG		.000	86.8			
		11 28	47	PP		VG						
		11 35	48	SKS		NG						
		11 36	03	S		EG						
		11 36	23	E		NG						
		11 37	23	/PPS/		NG						
		11 41	49	SS		EG						
		11 42	08	E		NG						
		11 50,1		LQ		EG						
		11 53,4		LR		VG						
		11 56,3		LM		EG						
		12 01,2		MQ		NG						
		12 06,3		MR		NG						

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412	18	18 43	16.1	50.3 N	176.9 O	.000	80.07	.97	USCGS
		18 55	25	P	VG		80		
		18 55	27	I	VG				
		18 58	26	PP	VG				
		19 05	29	S	EG				
		19 29,3		LM	VG				
413	20	15 48	12.2	41.2 N	142.7 E	.003	82.01	30.59	USCGS
		16 00	32	P	VS	.003			
		16 00	46	/*PP/	VS				
		16 11	06	E	EG				
		16 31,5		LQ	EG				
		16 34,1		LR	EG				
414	21	03 39	22.6	14.3 N	072.5 O	.000	70.87	269.54	USCGS
		3 50	41	P	VS				
415	21	18 02	44.4	49.0 N	158.2 E	.000	78.80	17.37	USCGS
		18 53,5		LM	EG				
416	22	09 27	09.3	42.0 N	126.2 O	.000	78.74	324.87	USCGS
		10 11,1		LM	VG				
417	22	19 52	25.0	09.4 S	158.0 E	.000	133.81	37.75	USCGS
		20 11	43	PKP	VG		133.8		
		20 14	15	PP	VG				
		20 15	22	PKS	EG				
		20 20	26	E	EG				
		20 21	41	E	EG				
		20 25	26	E	NG				
		20 27	50	E	EG				
		20 31	28	E	EG				
		20 33	00	E	NG				
		20 53,0		LQ	EG				
		20 55,4		LR	VG				
		21 03,9		MQ	EG				
		21 07,8		MR	VG				
418	23	13 09	25.3	52.4 N	159.6 E	.000	75.79	15.50	USCGS
		13 21	16	P	VS				
		13 50,5		L	EG				
		13 57,2		LM	NG				

419	25	06 11	43.3	38.9 N	038.4 E	.000	26.36	102.12	USCGS
		6 17	14	E	VG		26.5		
		6 18	07	PP	VS				
		6 18	20	PPP	EG				
		6 21	59	S	NG				
		6 22	55	E	NG				
		6 23,7		LQ	NG				
		6 26,5		LR	NG				
		6 27,8		LM	NG				
420	25	12 18	12.5	17.5 S	178.8 O	.084	147.39	6.01	USCGS
		12 36	44	PKP1	VG				
		12 36	48	PKP2	VG				
		12 36	53	I	VG				
		12 37	06	E	EG				
		12 38	58	E	VG				
		12 39	07	E	VG				
		12 39	59	E	VG				
		12 44	20	E	EG				
		12 58	26	/SS/	EG				
		13 02	10	E	NG				
		13 31,2		LM	EG				
421	26	04 49	43.8	17.7 S	178.8 O	.085	147.59	6.04	USCGS
		5 08	21	PKP	VS				
422	27	03 23	32.6	45.9 S	075.3 O	.000	117.83	231.10	USCGS
		4 20,1		LR	NG				
		4 27,1		LM	EG				
		4 30,9		MR	EG				
423	28	12 48	22.1	61.9 S	164.5 E	.000	163.73	144.39	USCGS
		14 19,1		L	EG				
		14 24,1		LM	VG				
424	28	16 57	46.2	39.1 S	091.8 O	.000	122.31	246.37	USCGS
		18 02,4		LM	EG				
425	29	08 53	48.4	39.6 N	074.2 E	.000	48.78	74.35	USCGS
		9 02	35	P	VG	.000	49.0		

9 04 30	PP	EG
9 05 26	PPP	VG
9 09 39	S	EG
9 09 46	I	NG
9 13 01	/SS/	EG
9 14 32	SSS	ES
9 19,5	LQ	NG
9 22,2	MQ	NG
9 24,9	LR	VG
9 27,9	MR	VG

426	29	15 30	31.4	07.1 S	081.6 0	.000	92.87	262.55	USCGS
		15 43	49	P	VG		92.9		
		15 44	03	E	VG				
		15 47	32	PP	VG				
		15 49	35	PPP	VG				
		15 54	15	SKS	VG				
		15 54	48	S	EG				
		15 56	03	SP	VG				
		16 01	28	/SS/	EG				
		16 02	33	E	EG				
		16 05	03	/SSS/	EG				
		16 12,5		LM	NG				

427	29	20 57	31.5	15.5 S	172.9 0	.000	145.46	355.74	USCGS
		21 17	11	PKP	VG		145		
		21 17	17	E	VS				
		21 17	29	E	VS				
		21 20	33	PP	VG				
		21 39	26	SS	EG				
		22 14,0		LQ	NG				
		22 19,6		LR	VG				

428	01	11 11	13.7	05.4 N	082.4 0	.004	83.91	271.17	USCGS
		11 23	42	P	VS				

429	02	01 34	31.6	33.9 N	074.7 E	.002	52.63	79.78	USCGS
		1 43	44	P	VS				
		1 44	13	E	VG				
		1 44	56	E	VG				
		2 03,8		LM	NG				

430	02	11 44	00.2	45.4 N	158.9 E	.000	82.39	17.95	USCGS
		11 56	13	P	VS				

431	02	14 10 44.7 14 50,4 14 54,5	25.7 N LQ LR	109.5 O EG EG	.000	84.70 304.19	USCGS
432	02	23 45 00.1 23 57 11 24 30,4	45.4 N P LM	150.8 E VG EG	.000	80.54 23.41	USCGS
433	03	05 29 39.5 5 41 53	45.4 N P	150.9 E VS	.000	80.56 23.35	USCGS
434	03	09 13 33.1 9 18 10 9 22 14 9 25,0	62.8 N P /S/ LR	025.2 O VS EG EG	.000	20.58 319.46	USCGS
435	04	05 06 41.0 5 10 04 5 10 13 5 12 38 5 13 01 5 13,5 5 13,7 5 14,8 5 16,1	36.0 N P PP S SS LQ LR MQ MR	005.4 E VG VG EG EG EG EG EG EG VG	.000	14.10 177.32 14.0	BCIS
436	04	08 37 40.2 8 45,1	36.3 N LM	005.1 E NG	.000	13.79 178.29	USCGS
437	04	13 32 12.3 13 39 44 13 39 45 13 39 58 13 41 18 13 41 23 13 45 16 13 45 40 13 45 49 13 48 22 13 48,6	71.4 N P I *PP PP I E E S SS LQ	073.3 O VG VG VG VS VG NG NG NG NG EG	.000 .000	39.88 330.67 39.9	USCGS

13	50,4	LR	NG
13	51,5	LM	EG
13	52,9	MQ	EG
13	56,4	MR	NG

438	05	00 55 59.1 1 14 44	17.8 S PKP	178.5 O VS	.082	147.70	5.52	USCGS
439	05	11 44 36.0 11 46 24 11 46 36 11 46 42 11 47 39 11 48,2	43.3 N PN E E E LM	008.2 E VG VS ES ES EG	.000	7.24	158.62	BCIS
440	05	11 36 31.6 11 47 55	50.3 N P	129.1 O VG	.000	72.52	330.90	USCGS
441	05	17 11 08.0 17 14 29 17 17 35 17 18,8 17 20,0	36.0 N P LQ LM LM	005.7 E VS NG EG NG	.000	14.11	176.32	USCGS
442	06	01 40 45.0 2 00 24	19.3 S PKP	176.9 O VG	.005	149.27	2.76	USCGS
443	06	06 03 52.1 6 16 09 6 16 33 6 26 25 6 26 33 6 30 09 6 35 13 6 42,3 6 46,4 6 49,4 6 51,8	36.4 N P E /S/ E E /SSS/ LQ LR MQ MR	130.6 E VG NG NG EG EG NG NG NG EG EG	.000	81.63	41.28	USCGS
444	07	01 16 55.1	36.4 N	130.6 E	.000	81.63	41.28	USCGS

450	08	19 29 19 49	47.6 39	21.9 S PKP	174.6 O VS	.000	151.87	358.41	USCGS
451	08	19 50 20 09 20 09 20 11	29.8 22 39 39	23.6 S /PKP1/ PKP2 E	179.8 E VG VG VS	.081 .080	153.30	9.82	USCGS
452	09	02 45 3 04 3 08 3 12 3 13 3 50,2 3 55,9 4 00,2	45.5 50 29 03 38 	04.4 S PKP PKS SKS E LQ LR LM	152.7 E VG VS NS ES EG VG EG	.000	127.11 127.0	41.35	USCGS
453	10	17 01 17 12	07.3 47	53.8 N P	159.9 O VS	.000	75.75	350.58	USCGS
454	10	19 14 19 34 20 25,2 20 33,4	26.8 04 	19.0 S PKP LM LM	175.8 E VG NG VG	.000	148.20	15.93	USCGS
455	11	15 11 15 29	16.0 04	03.6 S PKP	127.4 E ES	.028	113.28	66.00	USCGS
456	12	03 11 3 31 4 28,2 4 41,5	53.9 40 	22.5 S PKP LR LM	170.7 E VG NG EG	.003	150.36	26.69	USCGS
457	12	08 18 8 24 8 32,6 8 33,7	57.9 18 	34.9 N P LQ LR	032.2 E VG EG NG	.003	25.20	116.56	USCGS
458	12	13 10	17.9	07.7 N	035.9 O	.000	54.00	232.67	USCGS

		13 19 41	P	VG					
		13 21 27	E	NG					
		13 24,5	E	NG					
459	14	02 13 41.2 2 26 31	22.0 N P	121.3 E VS	.009	89.08	56.01		USCGS
460	15	00 46 54.1 1 06 18 1 06 28 1 06 35 1 09 04	10.3 S PKP E E PP	165.6 E VG VS VS VS	.002	137.33 136.8	28.20		USCGS
461	17	05 54 33.7 6 07 34 6 18 02 6 19 03 6 25 12 6 32,2	10.6 S P SKS E E LR	078.2 O VS EG EG EG NG	.004	93.38	257.74		USCGS
462	17	07 34 38.7 7 46 50	01.5 S P	077.9 O VG	.023	86.25	263.29		USCGS
463	17	19 20 08.2 19 39 25 19 39 34 19 40 23 19 42 13 19 43 02 19 43 19 19 46 39 19 52 20 19 52 37 19 53 25 19 55 44 20 30,6 20 35,9 20 39,4 20 39,4 20 54,0	10.1 S PKP E E PP PKS I SKS SKSP PS E E LQ LQ LR MQ MR	165.3 E VS VS EG VG EG EG EG VS EG EG NG VG ES EG VS NG VG	.000	137.05 137	28.52		USCGS
464	17	22 28 29.6	10.2 S	165.1 E	.000	137.08	28.84		USCGS

		22	47	47	PKP	ES				
465	18	16	58	11.0	40.9 N	029.5 E	.000	19.65	108.35	BCIS
		17	02	38	P	VG	.000	19.3		
		17	02	40	E	VG				
		17	02	44	I	VS				
		17	02	50	/PP/	VS				
		17	03	04	PPP	VG				
		17	06	05	S	EG				
		17	06	19	LQ	EG				
		17	06	29	SS	VG				
		17	06	50	/SSS/	VG				
		17	07	47	E	VG				
		17	08	18	LR	NS				
		17	08,9		LM	NG				
		17	09	15	LM	ES				
		17	09,3		MQ	NG				
		17	11,1		MR	VS				
466	19	16	49	29.9	47.1 N	027.4 O	.000	21.29	274.28	USCGS
		16	54	13	P	VG	.000	21.0		
		16	57	59	S	NG				
		16	58	11	LQ	NG				
		17	00,1		LM	EG				
467	20	03	03	32.9	76.5 N	007.9 E	.000	26.56	1.74	USCGS
		3	13,7		LQ	NG				
		3	17,3		LR	VG				
468	22	02	49	03.4	52.5 N	174.9 O	.011	77.87	359.68	USCGS
		3	00	50	P	VG				
469	22	02	56	24.3	19.3 S	175.9 E	.000	148.51	15.86	USCGS
		3	16	07	PKP1	ES	.000	148.5		
		3	16	10	E	VG				
		3	16	34	E	VS				
		3	17	36	E	NS				
		3	23	06	SKS	NG				
		3	27	08	E	NG				
		4	07,9		LM	NG				
470	22	19	21	57.1	19.2 S	175.9 E	.000	148.41	15.82	USCGS

		19 41 40	PKP1	VG	.000	148.5		
		19 41 45	PKP2	VS				
		19 41 59	E	VS				
		19 45 06	E	NS				
		20 40,9	LM	EG				
471	22	22 32 10.0	37.5 N	020.6 E	.000	17.04	131.56	USCGS
		22 36 21	PP	VS				
		22 39 29	L	NG				
		22 42,2	LM	NG				
472	23	09 01 56.8	16.6 S	028.8 E	.000	69.68	155.23	USCGS
		9 13 04	P	VG				
		9 13 10	E	VS				
		9 14 10	E	EG				
		9 15 09	E	VG				
		9 15 20	E	NG				
		9 22 18	/S/	EG				
		9 23 14	E	NG				
		9 35,6	LR	EG				
		9 41,0	LM	EG				
		9 47,0	MR	NG				
473	23	15 02 23.3	16.7 S	028.4 E	.000	69.67	155.65	USCGS
		15 46,8	LM	EG				
474	23	17 02 36.6	51.3 N	179.2 O	.000	79.03	2.43	USCGS
		17 14 38	P	VG				
		17 51,2	LM	EG				
475	23	22 23 37.7	16.6 S	028.7 E	.000	69.65	155.32	USCGS
		23 06,3	LM	EG				
476	24	02 10 40.0	40.8 N	029.2 E	.000	19.53	109.00	BCIS
		2 15 09	P	EG	.000	19.8		
		2 15 29	PP	ES				
		2 21,1	LR	NG				
		2 21,8	MR	NG				
477	24	16 30 16.0	10.6 S	078.0 O	.007	93.25	257.58	USCGS

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16 43 25	P	VG	.006	93.5
16 43 45	*PP	VS		
16 44 01	E	EG		
16 44 42	E	VG		
16 47 12	PP	VS		
16 49 11	PPP	ES		
16 53 54	SKS	EG		
16 54 28	S	NG		
16 55 44	SP	EG		
16 56 16	SPP	EG		
17 00 32	E	EG		
17 00 59	/SSP/	EG		
17 04 27	SSS	EG		
17 09,3	LR	NG		
17 13,5	LM	NG		
17 23,9	MR	EG		

478	25	07 03 54.6	16.7 S	028.7 E	.000	69.75	155.35	USCGS
		7 15 02	P	VG				
		7 25 14	/PPS/	EG				
		7 32 08	/SSS/	NG				
		7 40,4	LQ	EG				
		7 41,7	LM	NG				
		7 43,3	LR	NG				
		7 45,2	MQ	NG				
		7 48,8	MR	VG				

479	26	05 28 07.3	50.4 N	176.9 O	.000	79.97	.97	USCGS
		5 40 18	P	VG				
		5 43 27	/PP/	VS				
		5 50 25	S	NG				
		5 50 47	/SCS/	ES				
		5 51 02	E	ES				
		5 52 13	E	VS				
		5 53 52	E	ES				
		6 30,5	LM	NG				

480	26	22 31 39.0	47.6 N	012.3 E	.000	5.67	113.21	BCIS
		22 34 14	/SN/	ES				
		22 34 41	/SG/	ES				
		22 34 53	E	VS				
		22 35 16	E	ES				

481	27	11 25 53.6	17.2 S	174.7 E	.000	146.24	17.19	USCGS
		11 45 36	PKP	VS				
		12 37,7	LM	NG				

		12 45		LM	EG				
482	27	22 20 06.6 22 29 28		00.1 S P	018.4 O VS	.000	53.68	208.98	USCGS
483	29	07 08 46.0 7 10 02 7 10 56 7 11 28		44.5 N PN SN LR	003.0 E NS ES EG	.000	5.70	191.56	BCIS
484	29	13 35 45.3 13 40 42 13 48,7		36.6 N P LM	029.2 E VS NG	.000	22.28	117.90	USCGS
485	29	22 16 41.0 22 20 32 22 20 42 22 23 33 22 26,8		36.6 N P PP S LM	018.3 E VG VG EG EG	.003 .000	16.73 16.5	138.53	BCIS
486	02	05 47 05.5 6 06 51 6 10 55 6 11 00 6 11 17 6 16 34 7 08,9 7 11,2 7 14,9		20.8 S PKP E E E E LQ LM LM	174.1 O VS NG NG NG EG NG NG EG	.000	150.76	357.50	USCGS
487	02	21 05 14.7 21 09 45 21 09 48 21 09 59 21 10 11 21 18,5		35.1 N P E E E LM	023.5 E VS ES VS VG NG	.006	20.36	130.23	USCGS
488	03	15 48 17.2 16 43,1		58.5 S LM	025.1 O EG	.003	110.84	196.17	USCGS

489	03	23 24	34.7	32.2 N	131.6 E	.000	85.63	42.77	USCGS
		23 37	10	P	VS		86.0		
		23 40	31	PP	VG				
		23 42	28	PPP	EG				
		23 47	36	S	NG				
		23 47	46	E	EG				
		23 48	47	/PS/	VG				
		23 49	05	PPS	VG				
		23 54	22	E	EG				
		23 57	49	E	NG				
		24 06,9		LR	EG				
		24 11,0		MQ	EG				
		24 19,0		MR	NG				
490	04	02 47	32.1	20.7 S	174.0 O	.000	150.66	357.31	USCGS
		3 07	22	PKP	VS				
491	04	17 01	21.0	34.9 N	023.1 E	.000	20.33	131.33	USCGS
		17 05	58	P	VS				
		17 06	11	E	VS				
492	05	01 55	35.2	16.0 S	173.2 O	.007	145.97	356.21	USCGS
		2 15	06	PKP	VS				
		2 15	55	E	VS				
493	05	04 39	59.0	34.7 N	022.9 E	.000	20.39	132.05	USCGS
		4 44	33	P	VS				
494	05	14 57	46.0	11.2 N	042.9 E	.000	49.91	127.38	BCIS
		15 06	36	P	VS	.000	49.9		
		15 09	23	/PPP/	NG				
		15 13	47	S	EG				
		15 17	28	/SS/	EG				
		15 21,2		LQ	NG				
		15 22,6		LM	EG				
		15 25,7		LM	VG				
		15 27,2		LM	VG				
		15 28,7		M	NG				
495	07	13 14	24.6	23.6 S	179.9 E	.081	153.31	9.62	USCGS
		13 33	20	PKP	VS				
		13 35	31	E	VS				

		13 38 33	E	NG					
		13 42 41	E	VG					
		13 54,5	L	EG					
496	08	23 34 26.6	42.7 N	110.5 E	.000	67.28	50.25		USCGS
		6,9	LQ	EG					
		11,3	LR	NG					
		12,1	LM	NG					
497	08	00 17 01.1	15.1 S	173.2 0	.000	145.07	356.28		USCGS
		36 34	PKP	VS	.000	145.0			
		36 46	E	VS					
		39 43	E	VG					
		39 51	E	VS					
		50 22	E	NG					
		1 23,7	LM	NG					
		1 30,1	LM	EG					
498	08	13 12 15.8	45.5 S	035.3 E	.000	98.78	158.69		USCGS
		14 04,8	LM	EG					
499	09	07 40 57.0	14.3 S	172.6 0	.000	144.25	355.34		USCGS
		8 00 09	PKP	NS					
500	09	10 36 53.4	20.3 S	174.4 0	.000	150.27	358.10		USCGS
		10 56 42	PKP	VS					
501	09	21 41 40.0	46.3 N	012.4 E	.000	6.45	123.08		BCIS
		21 44 45	LM	EG					
		21 45 15	LM	EG					
		21 45 24	LM	ES					
		21 46 25	LM	EG					
502	11	09 59 41.9	50.0 N	029.2 0	.000	21.61	282.83		USCGS
		10 04 23	P	VS					
503	11	10 17 07.6	17.8 N	105.9 0	.000	88.99	296.80		USCGS
		11 00,3	LM	NG					

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504	12	11 26	57.9	44.8 N	149.0 E	.001	80.62	24.84	USCGS
		11 39	06	P	VS				
		11 39	09	I	VG				
		11 42	09	PP	VS				
		11 44	00	PPP	VS				
		11 49	11	S	EG				
		11 49	24	I	NG				
		11 49	30	E	VG				
		12 12,4		LR	ES				
		12 16,9		LM	ES				
12 17,7		MR	VS						
505	12	13 07	07.9	44.5 N	149.4 E	.003	81.00	24.69	USCGS
		13 19	18	P	VS				
506	12	18 48	35.5	44.7 N	149.4 E	.003	80.82	24.61	USCGS
		19 00	46	P	VS				
507	12	19 57	00.2	44.6 N	149.4 E	.003	80.91	24.65	USCGS
		20 09	09	P	VS				
508	13	05 17	57.1	44.8 N	149.5 E	.004	80.75	24.51	USCGS
		5 30	04	P	VS				
		5 30	10	E	ES				
		5 30	13	E	VS				
		5 30	44	E	VS				
		5 31	03	I	VS				
		5 31	24	I	VS				
		5 31	36	I	VS				
		5 32	29	I	EG				
		5 33	27	/PP/	EG				
		5 35	12	/PPP/	VS				
		5 40	22	S	VS				
		5 40	39	/SCS/	VS				
		5 50,1		LR	VS				
		6 00,2		LM	ES				
		6 04,5		MQ	ES				
6 07,3		MR	ES						
509	13	05 42	14.2	46.5 N	151.6 E	.003	79.71	22.48	USCGS
		5 54	17	P	VS				

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510	13	06 05 6 17	29.5 36	45.9 N P	151.9 E VS	.003	80.35	22.50	USCGS
511	13	06 09 6 21 6 21 6 22	02.2 09 22 07	45.3 N P I E	151.3 E VS VS ES	.004	80.76	23.12	USCGS
512	13	06 46 6 58	54.0 56	45.3 N P	147.5 E VS	.003	79.75	25.64	USCGS
513	13	06 48 7 00	26.3 33	45.5 N P	151.8 E VS	.003	80.70	22.71	USCGS
514	13	07 03 7 15	23.8 32	45.5 N P	150.6 E VS	.003	80.39	23.51	USCGS
515	13	07 19 7 31	11.1 37	45.0 N P	151.5 E VS	.001	81.09	23.09	USCGS
516	13	07 31 7 44	50.8 03	45.0 N P	151.4 E VS	.001	81.06	23.16	USCGS
517	13	08 11 8 23	32.0 41	44.5 N P	151.6 E VS	.004	81.58	23.20	USCGS
518	13	09 11 9 24	53.9 14	43.8 N P	150.8 E VS	.000	82.03	24.00	USCGS
519	13	09 16 9 28	25.9 35	44.6 N P	149.6 E VS	.003	80.97	24.52	USCGS
520	13	09 22 9 34	44.6 56	44.9 N P	151.0 E VS	.003	81.06	23.46	USCGS

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521	13	10 10 28.2 10 22 39 10 51,7	44.5 N P LM	149.6 E ES EG	.002	81.06	24.55	USCGS
522	13	11 15 40.4 11 27 50	44.9 N P	151.1 E VS	.002	81.08	23.40	USCGS
523	13	11 22 58.6 11 35 09 11 35 20	44.9 N P E	150.7 E VS VS	.003	80.98	23.67	USCGS
524	13	12 29 39.2 12 41 48 13 14,3	45.9 N P LM	151.8 E VS NG	.000	80.32	22.57	USCGS
525	13	12 42 13.0 12 54 22 13 25,4	44.4 N P LM	149.4 E VS NG	.003	81.10	24.73	USCGS
526	13	12 58 21.6 13 10 30 13 10 45 13 42,5	45.0 N P I LM	150.1 E VS VS EG	.003	80.73	24.03	USCGS
527	13	13 54 24.8 14 06 27 14 40,7	44.9 N P LM	151.7 E VS EG	.003	81.23	22.99	USCGS
528	13	14 03 56.3 14 16 08	45.3 N P	151.0 E VS	.000	80.68	23.32	USCGS
529	13	14 26 11.9 14 38 22 15 15,4	44.5 N P LM	149.5 E VS EG	.003	81.03	24.62	USCGS

530	13	15 59 52.9 16 12 00 16 12 11 16 22 09 16 22 23 16 36,4	45.6 N P *PP E S LM	150.5 E VS VS EG EG NG	.000 .00	80.27 80	23.54	USCGS
531	13	16 28 58.2 16 41 07	44.9 N P	150.3 E VS	.001	80.87	23.93	USCGS
532	13	17 25 55.4 17 38 09 17 38 20 18 11,6	44.5 N P E LM	150.8 E VS VS EG	.002	81.38	23.75	USCGS
533	13	17 31 18.7 17 43 29 17 43 47	44.3 N P E	149.2 E VS VG	.002	81.14	24.90	USCGS
534	13	18 10 55.2 18 23 24 18 55,8	44.0 N P LM	150.0 E VS EG	.002	81.63	24.47	USCGS
535	13	18 14 57.5 18 27 07	45.2 N P	150.8 E VS	.002	80.72	23.49	USCGS
536	13	19 26 04.2 19 38 13	45.7 N P	151.5 E VS	.000	80.44	22.84	USCGS
537	13	19 27 38.2 19 39 46 20 12,4	45.7 N P LM	151.7 E VS NG	.002	80.48	22.71	USCGS
538	13	19 41 20.5 19 53 29 19 53 45	45.3 N P E	151.4 E VS VG	.002	80.78	23.05	USCGS

539	13	20 27 20 39	38.2 48	45.6 N P	151.7 E VS	.000	80.58	22.74	USCGS
540	13	21 35 21 47	37.3 58	45.3 N P	151.7 E VS	.002	80.86	22.85	USCGS
541	13	21 55 22 07 22 41,9	00.8 13	44.7 N P LM	152.1 E VS NG	.003	81.52	22.80	USCGS
542	13	22 02 22 15	58.1 07	45.1 N P	150.9 E VS	.002	80.84	23.46	USCGS
543	14	23 52 4 36 4 49 14 54 33,8	22.8	44.5 N P E /S/ LM	150.1 E NG NS EG NG	.003	81.19	24.22	USCGS
544	14	00 03 15 13	04.1 13	45.0 N P	150.9 E VS	.004	80.94	23.49	USCGS
545	14	03 31 3 43	07.8 17	45.9 N P	151.8 E VS	.000	80.32	22.57	USCGS
546	14	04 06 4 18	01.7 10	44.9 N P	150.2 E NS	.003	80.85	24.00	USCGS
547	14	04 11 4 23 4 33 4 50,3	14.0 25 44	44.7 N P S LM	150.6 E VS EG NG	.002	81.14	23.81	USCGS
548	14	05 24 5 36	12.3 41	44.5 N P	151.0 E VS	.003	81.43	23.61	USCGS

549	14	07 54 8 06	33.9 45	44.8 N P	151.2 E VS	.003	81.20	23.37	USCGS
550	14	13 21 13 33 13 34 13 37 13 44 14.06,1	45.2 54 08 13 05	44.8 N P *PP PP S LM	151.0 E VS ES VG EG EG	.004 .000	81.15 81.0	23.50	USCGS
551	14	17 50 18 02	15.3 22	45.2 N P	151.3 E VS	.004	80.85	23.15	USCGS
552	14	21 19 21 32 21 32	54.7 08 19	44.3 N P E	149.3 E VS VS	.002	81.16	24.83	USCGS
553	15	06 49 7 01 7 37,6	37.8 53	42.2 N P LM	152.3 E VS EG	.001	83.91	23.53	USCGS
554	15	07 06 7 26	59.9 50	20.5 S PKP	173.9 O VS	.000	150.46	357.14	USCGS
555	15	08 00 8 12	11.5 22	45.0 N P	151.1 E VS	.001	80.99	23.36	USCGS
556	15	09 32 9 44	08.7 18	45.2 N P	150.2 E VS	.001	80.57	23.89	USCGS
557	15	09 59 10 04 10 04 10 04 10 05 10 07 10 08 10 09,3	26.0 07 29 35 10 55 08	67.4 N P PP PPP E S E LR	017.9 O VS ES ES VS EG VS EG	.000	20.70 20.6	335.25	BCIS

10 11,3				MR	EG					
558	15	10 47 10 59	12.6 24	44.6 N P	149.0 E VS	.003	80.80	24.92	USCGS	
559	15	11 53 12 05 12 40,4	45.5 55	45.1 N P LM	151.9 E VS EG	.003	81.10	22.79	USCGS	
560	15	17 54 18 06	04.3 13	45.2 N P	151.3 E VS	.000	80.85	23.15	USCGS	
561	15	18 23 18 36 18 36 19 08,8	57.8 04 39	45.3 N P E LM	151.0 E VS VS NG	.000	80.68	23.32	USCGS	
562	15	20 41 20 53	30.2 52	45.4 N P	151.1 E NS	.003	80.61	23.21	USCGS	
563	16	01 25 1 37	06.7 12	46.1 N P	151.8 E VS	.002	80.14	22.50	USCGS	
564	16	05 15 5 27	36.1 47	44.8 N P	150.4 E ES	.000	80.99	23.90	USCGS	
565	16	15 43 15 51 15 52 15 52 15 53 15 58 16 02 16 09,4 16 15,1	00.8 43 00 11 40 51 38	38.6 N P *PP *SP PP S /SS/ LR MR	073.4 E ES ES VG ES EG NG VG VG	.000 .000	48.88 48.8	75.90	USCGS	
566	17	23 24	34.4	44.6 N	149.0 E	.002	80.80	24.92	USCGS	

		23 36 43	P	VS	.002	81.0			
		23 36 56	*PP	VS					
		23 37 03	*SP	VG					
		23 46 49	S	NG					
		23 47 04	SCS	EG					
		23 52 28	/SS/	NG					
		23 59,3	LQ	NG					
		24 04,2	LR	EG					
		24 09,0	LM	EG					
		24 13,1	M	EG					
		24 17,1	M	EG					
567	18	23 54 56.9 7 07	44.5 N P	149.0 E VS	.002	80.90	24.96		USCGS
568	18	04 01 21.7 4 47,6	44.5 N LM	150.4 E EG	.004	81.27	24.01		USCGS
569	18	08 53 33.9 9 37,4 9 41,7	44.8 N LM LM	150.2 E EG NG	.004	80.94	24.04		USCGS
570	18	17 55 00.2 18 07 05	45.6 N P	150.6 E VS	.001	80.30	23.47		USCGS
571	18	20 05 14.4 20 17 16 20 58,0	47.6 N P LM	154.3 E VS NG	.001	79.32	20.34		USCGS
572	18	21 22 52.7 21 35 01 21 35 14	45.2 N P E	151.1 E VS VS	.001	80.80	23.29		USCGS
573	19	02 18 37.9 2 30 43 2 40 54 2 41 42 3 04,0	46.8 N P SKS /PPS/ LM	153.7 E VS EG NG EG	.001 .001	79.93 79.9	21.00		USCGS

574	19	03 15 3 27	02.5 09	46.5 N P	153.9 E VS	.001	80.26	20.97	USCGS
575	19	03 34 3 46 3 56 4 19,3	19.6 26 32	46.6 N P S LM	153.8 E VS EG EG	.000 .000	80.15 80.1	21.00	USCGS
576	19	03 47 3 59	07.7 15	46.8 N P	153.8 E VS	.000	79.96	20.93	USCGS
577	19	16 15 16 27	21.4 26	44.4 N P	150.9 E VS	.014	81.50	23.71	USCGS
578	19	19 10 19 22	15.4 26	45.2 N P	151.2 E VS	.002	80.83	23.22	USCGS
579	20	00 53 1 05 1 15 1 15 1 38,1	07.2 22 27 42	44.7 N P S SCS LM	150.7 E VS VG ES ES	.000	81.16 80.2	23.74	USCGS
580	20	01 14 1 26	05.2 27	44.6 N P	150.1 E VS	.002	81.10	24.18	USCGS
581	20	01 22 1 34	35.1 45	45.9 N P	153.6 E NS	.001	80.76	21.37	USCGS
582	20	02 09 2 21	29.4 39	44.7 N P	150.0 E VS	.001	80.98	24.21	USCGS
583	20	03 00 3 18	10.9 56	20.8 S PKP	178.6 O VS	.089	150.67	6.11	USCGS

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584	20	04 46 57.9 4 59 13 4 59 21	44.6 N P E	149.8 E VS VS	.001	81.02	24.38	USCGS
585	20	09 10 43.9 9 22 56 9 23 16 10 30,5	44.4 N P E LM	150.0 E VS ES VG	.001	81.26	24.32	USCGS
586	20	11 52 20.7 12 04 30 12 04 45 12 35,8	44.7 N P E LM	150.2 E VS VG EG	.002	81.03	24.07	USCGS
587	20	12 59 58.6 13 05 32 13 05 36	24.1 N P E	005.1 E VS ES	.000	25.94	178.94	USCGS
588	20	13 21 14.1 13 33 21	45.1 N P	150.5 E VS	.002	80.74	23.73	USCGS
589	20	17 41 27.3 17 53 47 18 33,3	44.2 N P LM	149.6 E ES EG	.002	81.34	24.67	USCGS
590	20	17 58 58.7 18 11 12 18 11 23	44.2 N P E	149.6 E VS VS	.002	81.34	24.67	USCGS
591	21	13 09 05.4 13 21 28	45.2 N P	151.6 E VS	.002	80.93	22.95	USCGS
592	21	15 38 24.3 15 50 29	45.5 N P	149.7 E VS	.003	80.16	24.11	USCGS
593	21	17 20 46.0	44.1 N	150.3 E	.005	81.62	24.23	USCGS

		17 32 59		P		VS					
		18 10,9		LM		EG					
594	21	23 18 41.3		44.0 N		150.3 E		.003	81.71	24.27	USCGS
		23 30 54		P		VS					
595	21	23 29 20.7		44.0 S		150.1 E		.003	155.74	88.71	USCGS
		23 41 25		P		VS					
		23 41 49		E		VS					
596	22	03 17 15.2		45.0 N		150.2 E		.002	80.75	23.96	USCGS
		3 29 26		P		VS		.000	80.7		
		3 39 39		SKS		EG					
		3 58,5		LM		EG					
		4 02,5		LM		EG					
597	22	22 14 07.0		44.1 N		006.0 E		.000	6.08	170.39	BCIS
		22 15 32		P		VS					
598	23	05 32 33.9		45.0 N		151.2 E		.002	81.01	23.29	USCGS
		5 44 44		P		VS					
599	23	09 47 08.1		41.2 N		144.2 E		.003	82.50	29.56	USCGS
		9 59 25		P		VS					
		9 59 38		*PP		VS					
		10 31,9		LM		EG					
600	24	01 06 25.9		44.5 N		150.3 E		.002	81.24	24.08	USCGS
		1 18 37		P		VS		.003	81.5		
		1 18 51		*PP		VS					
		1 28 47		SKS		EG					
		1 49,4		LM		EG					
601	24	07 26 23.9		04.9 S		102.9 E		.003	99.00	86.78	USCGS
		7 39 58		P		VS		.004	99.0		
		7 44 05		PP		VS					
		7 46 25		PPP		VS					
		7 50 39		SKS		NG					

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		7 55 20		E	EG				
		8 24,9		LM	NG				
602	24	19 19 10.2		28.3 N	128.5 E	.000	87.51	47.10	USCGS
		20 07,4		LM	EG				
603	25	04 45 31.0		50.8 N	001.1 O	.000	3.71	283.14	BCIS
		4 46 19,4		PN	NS		2.9		
		4 46 24,8		P*	NS				
		4 46 27,5		I	ES				
		4 46 28,9		PG	VS				
		4 46 37,3		E	ES				
		4 46 38		E	EG				
		4 46 47		I	EG				
		4 46 59,0		S*	ES				
		4 47 08		SG	NG				
		4 47 19,4		I	VS				
		4 47 23,4		LR	VS				
604	25	10 17 57.1		45.3 N	150.2 E	.001	80.47	23.85	USCGS
		10 30 04		P	VS				
605	25	19 58 58.3		12.3 N	144.5 E	.000	108.66	41.63	USCGS
		20 52,6		LM	EG				
		21 02,7		LM	VG				
606	26	03 55 39.7		44.5 N	150.1 E	.003	81.19	24.22	USCGS
		4 07 51		P	VS				
		4 37,4		LM	NG				
607	26	05 59 44.2		44.5 N	149.8 E	.004	81.11	24.42	USCGS
		6 11 53		P	VS				
608	26	07 24 28.7		51.2 N	177.5 O	.000	79.16	1.34	USCGS
		7 36 30		P	VS				
609	26	11 21 47.6		44.7 N	149.7 E	.003	80.90	24.41	USCGS
		11 33 56		P	VS				

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12 05,8

LM

EG

610	26	11 31 11 44	53.0 03	44.6 N P	149.8 E VS	.003	81.02	24.38	USCGS
611	26	12 33 12 53	50.1 15	15.8 S PKP	174.0 0 VS	.013	145.80	357.59	USCGS
612	26	22 41 23 00	29.8 27	05.2 S P	152.0 E VS	.006	127.52	42.58	USCGS
613	27	08 45 9 04	43.8 21,8	17.9 S PKP	178.5 0 VS	.087	147.80	5.53	USCGS
614	27	18 24 18 44	42.9 39	24.3 S PKP	176.1 0 VS	.000	154.26	1.46	USCGS
615	27	20 05 20 17	38.1 48	44.5 N P	150.1 E VS	.003	81.19	24.22	USCGS
616	28	04 58 5 10	42.9 51	45.4 N P	151.3 E VG	.002	80.66	23.08	USCGS
617	28	07 55 8 15 9 21,3	12.3 07	24.3 S PKP LM	176.0 0 VS NG	.000	154.26	1.25	USCGS
618	28	12 03 12 14 12 17 12 18 12 24 12 24 12 43,3	19.8 53 52 20 36 55	52.8 N P /PP/ E /S/ E LM	159.8 E VS VS VS NG EG EG	.000	75.44	15.26	USCGS

619	28	20 36 56.0 20 49 06 21 22,4	44.8 N P LM	149.6 E VS EG	.002	80.78	24.44	USCGS
620	28	21 48 24.1 22 00 12	49.9 N P	154.7 E VS	.011	77.23	19.30	USCGS
621	29	22 41 12.0 22 43 32	43.2 N E	017.4 E VS	.000	11.17	123.23	BCIS
622	30	01 17 31.1 1 30 26	04.8 S P	077.9 O VS	.000	88.77	261.19	USCGS
623	31	03 17 42.0 3 37 27 3 37 35 3 38 45 3 40 59 3 41 21 3 43 07 3 44 23 3 51 37 4 00 41 4 05 47 4 20 44 4 33,4 4 43,1 4 46,7 4 53,1	21.8 S PKP1 PKP2 E /PKS/ E E /PPP/ E E E /SSS/ E LQ LR MQ MR	175.0 O VS VS NG VS VS ES ES NG EG EG EG EG EG EG EG EG EG EG	.000	151.77	359.20	USCGS
624	31	09 57 01.0 10 05 14	27.4 N P	055.6 E VS	.000	44.71	100.91	USCGS
625	01	03 52 25.9 4 04 15	51.7 N P	159.8 O VS	.000	77.81	350.13	USCGS
626	01	22 41 23.8 22 53 30 23 28,3	44.9 N P LM	148.9 E VS NG	.004	80.50	24.87	USCGS

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627	02	19 51 58.6 20 03,6	43.3 N LM	029.5 O NG	.000	24.20 266.87	USCGS
628	03	03 10 12.7 3 23 00 3 23 00 3 23 03 3 23 14 3 23 24 3 26 15 3 26 40 3 28 24 3 33 15 3 33 25 3 33 42 3 34 24 3 34 50 3 37 05 3 39 30 3 42 52 3 45 25 3 48,5 3 52,2 4 02,0	03.5 S P P PCP E E /PP/ E PPP E SKS S E /PS/ E SS SSS E LQ LR MR	077.8 O VG EG VS VG EG VG NG VG ES EG NG EG EG EG NG EG NG NG EG EG	.000	87.71 261.94 87.1	USCGS
629	03	14 36 01.0 14 39 50 14 40 06 14 42 56 14 43 28 14 45,0	38.9 N P PP S SSS LR	021.2 E VS VG EG EG NG	.000	16.26 127.20 16.5	BCIS
630	04	01 17 08.9 1 32 06 1 32 20 1 32 32 1 35 33 1 35 46 1 35 50 1 36 42 1 37 00 1 42 45 1 46 31	06.8 S P E E E PKP E E PP SKS /PS/	129.6 E VG VG EG VG VS VS VG VS ES ES	.007 .007	117.13 66.12 117.0	USCGS
631	04	01 14 32.8 1 33 46	15.1 S PKP	167.3 E VS	.019	142.37 28.06	USCGS

		1 37 15	/PP/	VG					
		1 44 01	E	ES					
		1 44 39	E	NS					
		1 46 19	E	VS					
632	04	15 45 49.0	44.5 N	011.0 E	.000	7.09	139.70		BCIS
		15 47 34	PN	ES		7.0			
		15 47 49	P*	EG					
		15 48 07	PG	VS					
		15 48 59	SN	NS					
		15 49 22	/S*/	ES					
		15 49 37	SG	NS					
		15 49,9	LR	NG					
633	04	19 52 04.0	06.9 S	129.5 E	.011	117.15	66.28		USCGS
		20 11 26	PKP	VS					
634	04	22 25 03.0	00.9 S	139.7 E	.000	117.89	53.00		USCGS
		23 18,9	LM	EG					
635	06	02 13 16.8	02.6 S	138.4 E	.000	118.64	55.26		USCGS
		2 28 35	P	NG		119.0			
		2 33 17	E	VS					
		2 41 11	E	NG					
		2 43 20	PS	NG					
		2 45 55	E	VG					
		2 49 44	E	VG					
		2 49 56	SS	NG					
		3 06,5	LQ	EG					
		3 15,6	LM	VG					
		3 23,3	MR	EG					
636	06	09 24 49.2	46.3 N	154.8 E	.000	80.66	20.44		USCGS
		9 37 00	P	VS					
637	08	08 08 09.2	45.0 N	150.9 E	.001	80.94	23.49		USCGS
		8 20 33	P	VS					
638	09	02 46 50.0	56.9 N	032.5 O	.000	22.88	301.61		BCIS
		2 52 20	P	VS		25.1			

2	52	31	E	NS
2	52	54	PP	VS
2	56	43	S	EG
2	58,5		LR	EG
3	01,0		MR	NG

639	09	08 51	18.6	45.3 N	150.8 E	.000	80.63	23.45	USCGS
		9 03	26	P	VG				
640	09	21 15	30.4	09.0 S	071.5 O	.089	87.97	253.63	USCGS
		21 27	13	P	VS	.090	87.0		
		21 27	16	PCP	VG				
		21 27	23	I	VS				
		21 29	22	*PP	VG				
		21 29	27	*PPCP	EG				
		21 30	23	*SP	VS				
		21 31	34	E	VG				
		21 32	53	PPP	NS				
		21 33	42	E	VG				
		21 36	47	SKS	ES				
		21 36	52	SKKS	NS				
		21 37	00	S	NS				
		21 37	09	SCS	ES				
		21 37	49	E	VS				
		21 38	05	E	VG				
		21 38	41	SPP	VS				
		21 40	59		ES				
641	10	01 00	38.8	09.2 S	071.5 W	.089	88.17	253.48	BCIS
		1 12	22	P	VS	.088	88.0		
		1 12	23	PCP	VS				
		1 14	29	*PP	VS				
		1 14	31	*PPCP	VS				
642	10	11 18	32.0	36.5 N	025.9 E	.000	20.52	123.37	USCGS
		11 23	00	P	VS				
643	10	17 17	42.7	44.4 N	149.0 E	.001	80.99	24.99	USCGS
		17 29	47	PKP	VS				
		17 29	52	E	VS				
		17 32	27	E	VS				
644	11	00 10	25.6	43.8 N	149.5 E	.003	81.68	24.89	USCGS

		22	27		P	ES				
645	11	23 44	37.0	50.6 N	007.3 E	.000	1.81	72.73	BCIS	
		23 45	06.5	PN	VS		1.6			
		23 45	08.5	PG	VS					
		23 45	28.5	SN	ES					
		23 45	30.5	SG	VS					
		23 45	34.0	I	ES					
646	12	07 06	33.0	35.8 N	029.7 E	.000	23.13	118.60	BCIS	
		7 11	40	P	VS					
		7 11	52	E	VS					
		7 12	14	/PP/	ES					
		7 13	35	E	ES					
647	12	13 00	00.7	44.2 N	149.4 E	.003	81.28	24.80	USCGS	
		13 12	01	P	VS					
648	14	04 35	48.5	17.5 S	167.7 E	.000	144.75	28.72	USCGS	
		4 55	24	PKP	VS					
649	14	14 01	18.4	17.4 S	167.6 E	.000	144.62	28.82	USCGS	
		14 20	54	PKP	VS					
650	14	14 05	35.6	17.5 S	167.7 E	.000	144.75	28.72	USCGS	
		14 25	11	PKP	VS					
651	14	20 11	03.7	19.0 S	168.8 E	.000	146.50	27.82	USCGS	
		20 30	43	PKP	VS					
652	15	00 44	38.5	44.4 N	149.1 E	.001	81.02	24.93	USCGS	
		56	28	P	VS					
653	15	05 15	46.0	46.0 N	014.8 E	.000	7.97	117.04	BCIS	
		5 17	55	P	VS		8.5			
		5 19	30	S	VS					

654	15	16 15	31,1	PG	VS		.1		
		16 15	32,5	SG	ES				
		16 15	32,8	I	NS				
655	15	21 06	34.0	44.3 N	149.0 E	.003	81.08	25.03	USCGS
		21 18	45	P	VG	.004	81.5		
		21 18	45	P	NG				
		21 18	49	P	EG				
		21 19	01	*PP	VS				
		21 19	06	/*SP/	VG				
		21 22	00	/PP/	VG				
		21 28	55	S	EG				
		21 29	06	E	NG				
		21 44,7		LQ	EG				
		21 48,5		LR	EG				
		21 53,5		MQ	EG				
		21 54,9		LM	VG				
		21 57,3		MR	VG				
656	16	02 30	07.0	44.3 N	149.0 E	.003	81.08	25.03	USCGS
		2 42	18	P	VG				
		2 42	31	/*PP/	VG				
		3 16,4		LM	NG				
657	16	22 43	26.4	22.3 S	175.0 0	.000	152.27	359.19	USCGS
		23 03	20	PKP	VS				
		23 03	37	E	VG				
658	17	23 39	58.3	22.1 S	175.3 0	.000	152.07	359.79	USCGS
		8		PKP	VS				
659	17	00 48	02.6	07.6 N	037.4 0	.000	54.86	234.16	USCGS
		57 30		P	VS	.000	55.0		
		59 35		PP	ES				
		1 05	14	S	EG				
		1 12,4		LM	ES				
660	17	13 13	49.3	17.4 S	178.5 0	.075	147.31	5.47	USCGS
		13 32	25	P	VS				

661	18	14 38 14 50	28.9 58	29.9 N P	113.6 O VS	.000	83.42	309.61	USCGS
662	19	04 37 4 49	56.8 02	39.7 N P	129.5 E VS	.079	78.38	40.25	USCGS
663	19	10 45 11 05	49.1 38	22.5 S PKP	171.3 E VS	.000	150.53	25.62	USCGS
664	19	11 00 11 13	54.3 07	44.4 N P	149.2 E VS	.000	81.04	24.86	USCGS
665	19	17 38 17 50	39.7 20	53.1 N P	159.6 E VS	.001	75.12	15.29	USCGS
666	20	22 33 22 45	30.3 50	44.1 N P	149.1 E VS	.002	81.29	25.04	USCGS
667	21	18 42 18 53	44.8 29	13.8 S P	014.5 O VS	.000	65.73	200.39	USCGS
668	22	14 45 14 58 15 30,6 15 34,9	51.7 04	44.4 N P LQ LM	149.0 E VS EG NG	.000	80.99	24.99	USCGS
669	22	17 03 17 23	38.9 22	17.9 S PKP	172.8 O VS	.000	147.83	355.34	USCGS
670	22	20 26 20 30 20 34 20 39,4	01.0 55 57	37.5 N P S LM	030.0 E VS EG NG	.000 .000	22.12 22.3	115.01	BCIS

671	22	21 41 21 46	31.0 26	37.5 N P	030.0 E VS	.000	22.12	115.01	USCGS
672	23	07 50 8 03 8 13	46.3 14 44	30.1 N P S	114.0 O VS EG	.000	83.45 83.6	310.01	USCGS
673	23	13 29 13 30	51.0 09.9	P* S*	ES ES		1.4		
674	23	19 00 19 12	35.6 47	45.1 N P	151.5 E VS	.002	81.00	23.06	USCGS
675	23	19 30 19 49	19.4 11	20.2 S PKP	178.1 O VS	.075	150.11	5.08	USCGS
676	24	18 09 18 21	08.7 16	46.4 N P	150.0 E VS	.001	79.40	23.57	USCGS
677	25	10 02 10 14	23.8 20	44.3 N P	149.5 E VS	.003	81.22	24.70	USCGS
678	26	22 50 23 09	08.9 47	16.6 S PKP	175.2 E VG	.000	145.75	16.14	USCGS
679	27	9 04 9 05	52 15	PN SG	ES VS		1.6		
680	28	15 13 15 25	11.0 05	52.2 N P	174.2 E VS	.000	77.79	6.53	USCGS
681	02	06 49	09.0	47.9 N	016.4 E	.000	8.07	101.28	BCIS

		6 51 04	PN	VS						
		6 51 04	PN	ES			7.6			
		6 51 20	P*	ES						
		6 52 28	SN	EG						
		6 52 41	E	VG						
		6 52 59	S*	VS						
		6 53 20	SG	EG						
		6 53 27	LM	EG						
682	02	20 55 57.0	80.1 N	001.5 O	.000	30.23	357.91			BCIS
		21 02 10	P	VS		30.0				
		21 03 13	/PP/	VS						
		21 07 08	S	EG						
		21 10,4	LM	EG						
683	03	23 03 41.6	22.4 S	069.3 O	.000	97.05	243.65			USCGS
		23 17 18	P	VS						
		23 57,1	LM	EG						
684	04	00 44 37.4	34.0 S	179.3 O	.000	163.66	11.57			USCGS
		1 03 37	PKP	VS						
685	04	01 27 34.1	46.2 N	153.1 E	.000	80.36	21.60			USCGS
		1 39 50	P	VS						
		2 14,2	LQ	EG						
		2 18,3	LM	VG						
686	04	02 43 30.4	45.9 N	153.2 E	.003	80.66	21.64			USCGS
		2 55 36	P	VS						
687	04	08 24 17.1	46.1 N	152.9 E	.000	80.40	21.77			USCGS
		8 36 26	P	VS						
688	04	11 26 41.0	45.0 N	005.3 E	.000	5.12	174.38			BCIS
		11 27 57,9	PN	VS		5.0				
		11 28 09	/P*/	ES						
		11 28 19	/PG/	NS						
		11 28 58	SN	ES						
		11 29 14	S*	VS						
		11 29 25	SG	VS						

		11 29	29	E	EG					
689	04	15 44	52.9	46.0 N	153.2 E	.001	80.57	21.60	USCGS	
		15 57	02	P	VS					
690	07	04 07	52.8	22.1 S	179.4 0	.080	151.90	7.88	USCGS	
		4 26	46	PKP	VS	.070	152.0			
		4 29	02	E	VS					
		4 29	06	E	VS					
691	07	10 39	00.0	45.0 N	005.3 E	.000	5.12	174.38	BCIS	
		10 40	16,7	PN	VS		4.9			
		10 40	16,7	PN	NS					
		10 40	38,8	PG	VG					
		10 41	12,8	SN	ES					
		10 41	29,6	S*	ES					
		10 41	43,4	SG	NS					
		10 41	46,7	E	NG					
692	09	10 53	39.4	21.1 S	178.0 0	.079	151.01	5.00	USCGS	
		11 12	35	PKP	VS					
		11 12	43	E	VG					
		11 13	29	E	VS					
693	09	12 22	42.0	45.2 N	151.2 E	.003	80.83	23.22	USCGS	
		12 34	52	P	VS					
694	10	03 31	21.1	06.2 S	128.1 E	.052	115.76	67.07	USCGS	
		3 50	34	PP	VS	.050	115.8			
		3 59	35	SP	EG					
		4 38,8		LM	EG					
695	10	10 19	52.0	43.0 N	014.0 E	.000	9.61	134.06	BCIS	
		10 22	18	P	VS					
		10 22	25	/PP/	VS					
		10 23	43	E	ES					
		10 24	06	S	ES					
696	10	15 39	49.2	21.3 S	174.4 0	.000	151.27	358.05	USCGS	

		15	59	40	PKP	VS					
697	11	00	47	48.3	15.1 S	173.6 O	.000	145.09	356.95		USCGS
		1	07	23	PKP	VS					
		1	07	35	E	VS					
		2	03,5		LM	NG					
		2	08,6		LM	NG					
698	11	02	31	19.4	17.8 S	178.6 O	.079	147.70	5.70		USCGS
		2	50	04	PKP	NS					
699	11	17	08	12.3	51.2 N	179.3 O	.000	79.12	2.49		USCGS
		17	20	15	P	VS					
700	12	13	24	57.0	45.0 N	005.3 E	.000	5.12	174.38		BCIS
		13	26	14,4	PN	VS		4.9			
		13	26	14,4	PN	ES					
		13	26	21,7	P*	NS					
		13	26	37,2	PG	VS					
		13	27	12,8	SN	ES					
		13	27	29,8	S*	ES					
		13	27	40,2	SG	VS					
		13	27	46,1	E	VS					
701	12	13	37	32.0	45.0 N	005.3 E	.000	5.12	174.38		BCIS
		13	38	49,1	PN	VS		4.9			
		13	39	09,4	PG	VS					
		13	39	47,1	SN	ES					
		13	40	00,5	S*	ES					
		13	40	14,4	SG	VS					
702	12	17	23	54.0	45.0 N	005.3 E	.000	5.12	174.38		BCIS
		17	25	11,4	PN	VS		4.9			
		17	25	20,9	P*	VS					
		17	25	31,8	PG	VS					
		17	26	08,9	SN	ES					
		17	26	29,9	/S*/	ES					
		17	26	39,2	/SG/	NS					
703	12	23	24	36.6	46.3 N	150.5 E	.009	79.62	23.28		USCGS

		23 36 37	P	VS	.010	80.0		
		23 45 25	S	EG				
		23 45 57	PPS	EG				
704	14	00 05 39.8 17 38	02.3 S P	061.2 0 VS	.000	76.44 249.59		USCGS
705	15	19 34 45.5 19 47 35 19 50 36 19 50 59 19 57 12 19 20 12.6 19 51 42 19 51 57 20 01 23 20 27.2	04.8 S P E E E E E PP S LM	108.0 E VS VS VS EG NG VS VS EG NG	.090 #090	102.19 82.75 102		BCIS
706	16	01 51 30.6 2 48.9	06.4 S LM	105.4 E NG	.005	101.74 85.83		USCGS
707	16	13 47 59.0 13 52 00 13 52 01 13 52 02 13 52 03 13 52 08 13 52 11 13 52 15 13 52 21 13 52 23 13 52 29 13 52 37 13 53 00 13 53 37 13 55 14 13 55 18 13 55 24 13 55 28 13 55 34 13 55 42 13 55 45 13 55 55 13 56 47 13 57 01 13 57.7	37.3 N P P P P I I PP E PPP E E E E S E E E E SS E SSS E PCP E LQ	020.9 E VS VG EG VG VG VG EG NG VG ES EG VG NG NG ES EG VG EG ES NG ES ES ES EG	.000	17.34 131.33 17.3		BCIS

		13 58,2		LR	VG					
		13 58,6		LM	NG					
		13 59,2		LM	VG					
		14 00,3		MQ	NG					
		14 01,2		MR	NG					
708	16	16 41 09.5		01.6 S	078.0 O	.021	86.39	263.30		USCGS
		16 53 33		P	VS					
709	17	17 31 43.0		45.0 N	005.3 E	.000	5.12	174.38		BCIS
		17 34 12		S*	VS		4.9			
		17 34 29		SG	VS					
710	18	00 30 02.6		24.8 S	176.6 O	.002	154.74	2.54		USCGS
		49 52		PKP1	VS	.00	153.7			
		50 00		*PPKP1	VS					
		50 12		PKP2	NG					
		50 23		*PPKP2	ES					
		50 49		E	EG					
		51 48		E	NG					
		53 33		E	EG					
		53 54		/PP/	EG					
		57 05		/SKS/	ES					
		1 00 17		E	EG					
		1 00 30		E	NG					
		1 00 40		E	NG					
		1 01 06		E	VG					
		1 01 26		E	NG					
		1 11 51		E	VG					
		1 13 16		SS	NG					
		1 43,3		LM	VG					
711	18	06 40 05.9		41.7 N	082.5 E	.000	52.57	67.27		USCGS
		6 49 19		P	VS					
		6 49 25		E	VS					
712	19	17 04 07.8		09.7 S	079.1 O	.004	93.26	258.99		USCGS
		17 17 17		P	VS					
713	19	18 43 38.3		35.6 N	025.7 E	.000	21.09	125.38		USCGS
		18 48 23		P	VS					

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714	20	15 49 16 02	44.9 24	12.8 S P	066.0 E VS	.000	82.31	120.22	USCGS
715	20	23 21 23 24	45.0 33	46.4 N P	009.1 E ES	.000	4.77	139.15	BCIS
716	21	12 34 12 54 12 54 13 56,9	22.7 21 46	21.2 S PKP E LM	175.8 O VS VS EG	.009	151.18	.76	USCGS
717	21	13 09 13 22	09.6 34	16.1 N P	119.7 E VS	.003	92.97	60.65	USCGS
718	24	03 00 3 13	57.3 08	45.4 N P	151.3 E VS	.003	80.66	23.08	USCGS
719	26	08 48 8 53 8 57,6	52.1 42	69.3 N P LM	016.5 O VS EG	.000	21.79	339.82	USCGS
720	28	05 45 6 04 6 04	20.2 47 55	05.1 S PKP E	153.5 E VG VS	.006	128.08	40.82	USCGS
721	29	17 15 17 28 17 29	39.2 45 20	18.5 S P E	069.7 O VS VS	.013	94.25	246.37	USCGS
722	30	13 29 13 41 13 41 14 14,4	25.3 27 51	45.5 N P E LM	150.6 E VS VS NG	.001	80.39	23.51	USCGS
723	31	17 37 17 53	32.1 14	56.5 S /P/	026.0 O EG	.000	109.12	197.39	USCGS

		18 02 31	/S/		NG				
		18 05 38	E		NG				
		18 05 45	E		NG				
		18 29,7	LR		NG				
		18 35,9	M		NG				
724	31	19 16 54.9	17.4 S		174.2 0	.007	147.39	357.86	USCGS
		19 36 22	P		VS				
		19 55,5	LM		EG				

