

~~NAO~~ NOAA

OBSERVATOIRE ROYAL DE BELGIQUE
KONINKLIJKE STERRENWACHT VAN BELGIE



BULLETIN D'OBSERVATIONS : SEISMOLOGIE
WAARNEMINGSBERICHTEN : SEISMOLOGIE

BULLETIN SEISMIQUE

ANNEE 1958

Station : Uccle

Section - Géodynamique
Sectie - Géodynamica

Mars 1968

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INTRODUCTION

Coordonnées géographiques de la Station.

Latitude : 50°47'55" N. Longitude : 4°21'30" E. Altitude : 100 m.
Sous-sol : sable (éocène moyen).

Appareils : Un séismographe vertical Wiechert (masse 1300 kg). Un séismographe horizontal Wiechert à deux composantes (N-S et E-W) (masse 1000 kg). Deux séismographes horizontaux Galitzine. Un séismographe à composante verticale type Wilip-Somville. Un séismographe vertical type Grenet.

En 1958, les séismographes ont fonctionné sans interruptions

Constantes approximatives des séismographes Galitzine :

E-W	$T_1 = 24^{\circ},5$	$l = 123,8 \text{ mm}$	$A_1 = 1040 \text{ mm}$
	$T = 21^{\circ},8$	$\mu = + 0,2$	$k = 38$
N-S	$T_1 = 24^{\circ},5$	$l = 124,7 \text{ mm}$	$A_1 = 1040 \text{ mm}$
	$T = 21^{\circ},8$	$\mu = + 0,2$	$k = 38$

Les constantes du séismographe à composante verticale et à enregistrement galvanométrique ont été approximativement les suivantes :

$$\mu = 0,0 ; \quad T = 10^{\circ},0 ; \quad T_1 = 10^{\circ},15 ; \quad k = 290$$

Les Constantes des séismographes Wiechert ont varié entre les valeurs extrêmes suivantes :

	Z*	E*	N*
T :	4°,22 et 4°,23	7°,35	7°,38 et 7°,36
$\frac{r}{T^2}$:	0,067 et 0,079	0,021 et 0,019	0,021 et 0,023
ϵ :	2,5 et 2,7	2,1	2,5
V :	157 et 159	140 et 142	162 et 161

Etat de la Cave. - Au cours de l'année 1958, la température a varié entre 14,5° et 16,5° C et le degré d'humidité a été maintenu à 60 %.

Analyse des séismogrammes et bulletins. - En 1958, 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 séismogrammes nous avons utilisé les tables de H. Jeffreys, B. Gutenberg et C.F. Richter, J.B. Macelwane et J.S. Joliat, 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
ANNEE

MOIS

N°		HEURE ORIGINE	ϕ	λ	h	Δ_c	α_c	M	CENTRE INTERNATIONAL (1)
		HEURES	PHASES	COMPOSANTES	h_o	Δ_o	α_o	T	REMARQUES A_μ (2)
135	2	00 39 22,0	53,0 N	168,5 W		76,3	355,6	6,5	U.S.C.G.S.
		01 20	LM	E*					
136	2	2 17 35,0	52,5 N	168,0 W		76,8	355,2	6,9	U.S.C.G.S.
		2 29 34	P	Z*, N*	O	76,5			
		2 39 30	S	N*					
		3 12,5	M	E*				18,0	+ 750

(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
- Z* : séismographe vertical Wiechert.
- E* : séismographe horizontal Wiechert (composante E-W)
- N* : séismographe horizontal Wiechert (composante N-S).
- VG : séismographe vertical Wilip-Somville
- EG : séismographe horizontal Galitzine (composante E-W)
- NG : séismographe horizontal Galitzine (composante N-S)
- ZG : séismographe vertical Grenet.
- (...) : douteux
- AG.MI. agitation microséismique
- AG.ATM agitation atmosphérique
- MBT : mauvaise base de temps
- COM : compression
- DIL : dilatation
- h=0 = foyer superficiel
- h=0,00 = profondeur 33 km.

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1	2	02 08	15.0	36.5 N	022.0 E	.000	19.08	131.74	USCGS
		2 12	46	P	EE,NE				
		2 12	57	E	NE,VG				
		2 16	03	/S/	VG				
		2 19,5		LR	VG				
2	3	06 49	55.0	30.5 N	041.0 O	.000	39.14	256.41	BCIS
		6 57	36	P	NE				
		7 15,7		LR	VG				
3	5	11 30	44.0	56.5 N	121.0 E	.000	60.88	34.50	USCGS
		11 41	04	P	EE,NE				
		12 01,7		LR	VG				
4	7	06 05	08.0	39.0 N	070.0 E	.000	46.43	78.10	USCGS
		6 13	46	P	NE,VG				
5	11	13 18	47.0	23.5 S	177.0 O	.000	152.72	2.72	USCGS
		13 38	43	PKP	VE,NE				
		13 39	02	E	NE				
6	13	20 14	27.0	11.5 N	092.5 E	.000	79.95	84.10	USCGS
		20 26	30	P	VE,EE				
7	14	05 54	48.0	22.0 S	175.0 O	.000	151.24	358.77	USCGS
		6 14	48	PKP	VE,EE				
8	15	19 14	29.0	16.5 S	071.5 O	.010	93.96	248.80	USCGS
		19 27	44	P	VE,EE	.006	94.7		D
		19 28	04	*PP	EE,VE				
		19 31	25	PP	VG				

19 31 54	*PPP	VG
19 38 15	SKS	EE, VG
19 38 48	S	EE
19 40 08	SP	VE
19 45 22	/SS/	VG
19 55,0	E	NE
19 59,7	LR	VE, EE

9	15	22 15	44.0	13.5 S	167.0 E	.000	140.17	26.94	USCGS
		22 35 20		PKP	VG				
		22 38 07		PP	VG				
		22 38 47		PKS	VG				
		23 34,4		LR	VG				

10	16	04 18	13.0	39.5 N	025.2 E	.000	18.45	119.70	BCIS
		4 22 38		P	EE, NE				
		4 22 53		PP	NE				
		4 26 38		E	NE				
		4 28,3		LR	VG				
		4 28,9		LR	NE				

11	18	15 14	26.0	29.0 S	013.0 O	.000	81.00	195.33	USCGS
		15 26 49		P	VE				

12	19	14 07	27.0	01.5 N	079.5 O	.004	84.90	266.19	USCGS
		14 20 01		P	VE, EE		84.7		
		14 20 05		IPCP	G				
		14 23 24		PP	VG				
		14 30 32		/S/	EE, VE				
		14 48,3		LR	VE, EE				

13	19	14 43	24.0	01.5 N	079.0 O	.004	84.58	265.80	USCGS
		14 56 04		P	VE, VG				
		14 56 09		IPCP	NG				

14	22	18 29	11.0	23.0 N	121.5 E	.026	87.99	55.09	USCGS
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		18	41	41	P	G				
15	23	02	34	09.0	44.5 N	146.5 E	.018	79.46	26.49	USCGS
		2	46	04	P	G				
16	23	13	35	07.0	64.7 N	007.0 E	.000	14.00	4.68	BCIS
		13	38	40	P	VE, VG				
17	24	05	53	58.0	56.5 N	163.0 E	.000	71.52	12.27	USCGS
		6	05	30	P	VG				
		6	39.6		LR	EE				
18	24	23	17	29.0	60.0 N	152.0 0	.004	67.82	347.46	USCGS
		23	28	23.3	P	G				
19	24	23	53	29.0	17.5 S	178.5 0	.081	146.68	4.97	USCGS
		24	12	14.3	PKP	G				
20	26	06	42	13.0	47.5 N	154.5 E	.000	78.67	20.11	USCGS
		6	54	20	P	G				
21	30	06	13	24.0	07.5 S	155.5 E	.000	130.58	39.06	USCGS
		6	32	43	/PKP/	VG				
		6	36	11	PKS	VG				
		7	44.6		LR	VG				
22	30	19	13	30.0	36.2 N	026.0 E	.000	21.30	124.91	USCGS
		19	18	11	E	EE, G				

23	31	20 59	30.0	23.0 S	175.0 0	.000	152.24	358.73	USCGS
		21 19	38	PKP	G				
24	2	16 10	15.0	02.0 N	079.0 0	.000	84.20	266.12	USCGS
		16 22	50	P	VE		84.8		D
		16 22	58	E	EE				
		16 23	26	E	NE				
		16 33	12	SKS	NE, VG				
		16 33	19	S	NE				
		16 33	59	E	VE				
		16 34	24	E	VE				
		16 51.0		LR	EE				
25	1	18 02	39.0	02.0 N	079.0 0	.000	84.20	266.12	USCGS
		18 15	16	P	VE, EE		84.8		D
		18 15	22	PCP	NE				
		18 25	36	SKS	EE				
26	1	20 45	45.0	01.5 N	079.0 0	.000	84.58	265.80	USCGS
		20 58	22	P	VE		84.5		
		20 58	40	E	EE, G				
		21 08	45	SKS	EE				
		21 09	06	/SCS/	EE				
27	2	08 11	53.0	48.5 N	154.5 E	.000	77.72	19.78	USCGS
		8 23	54	P	G				
28	5								
		5 18	02.4	IPG	G		.34		
		5 18	03.5	I	G				
		5 18	04.9	I	G				
		5 18	06.8	ISG	G				
		5 18	09.7	I	G				
29	7	23 23	30.0	31.5 N	104.0 E	.000	71.79	62.35	USCGS

		23 34 57	P	VE,EE					
		23 35 17	E	G					
		24 02,5	LR	VG					
30	9	23 21 05.0	52.9 N	000.0 E	.000	3.42	309.63		BCIS
		23 21 57	PN	VE,EE		3.60			
		23 22 11	PG	VE					
		23 22 24	E	NE					
		23 22 51	S*	EE					
		23 22 58	SG	NE,VG					
		23 23 08	E	EE,NE					
31	12	23 43 45.0	52.0 N	175.0 O	.000	77.48	359.60		USCGS
		23 55 55	P	VG					
		24 36,1	LR	VG					
32	15	01 46 40.0	44.0 N	147.0 E	.000	80.06	26.36		USCGS
		1 58 54	P	VG					
		1 58 59,3	PCP	G					
		1 59 07,2	E	G					
		2 38,8	LR	VG					
33	16	06 04 05.0	39.0 N	142.0 E	.002	83.07	31.89		USCGS
		6 16 36	P	VG					
		6 52,4	LR	VG					
34	16	23 01 59.0	67.5 N	019.0 O	.000	20.34	334.01		USCGS
		23 15,3	LR	VG					
35	17	05 18 35.0	35.5 N	070.0 E	.026	48.60	81.81		USCGS
		5 27 05	P	VG	.025	48.7			
		5 29 01	PP	VG					
		5 33 51	S	VG					
		5 38 29	SSS	VG					
		5 41,2	LR	VG					

36	18	19 48	43.0	20.5 N	120.5 E	.000	89.51	57.27	USCGS
		20 44.8		LR	VG				
37	22	10 50	23.0	50.5 N	175.0 O	.000	78.98	359.58	USCGS
		11 02	31	P	VE				
		11 02	35	E	VE.G				
		11 02	55	E	EE.NE				
		11 12	23	S	VG				
		11 12	38	SKS	VE				
		11 42.3		LR	VG				
		11 47.9		LR	VG				
38	23	08 14	48.0	27.5 S	063.0 O	.089	97.94	235.83	USCGS
		8 27	27	P	G				
39	24	12 27	06.0	45.0 N	099.0 E	.000	59.37	55.16	USCGS
		12 37	14	P	VG,NG				
		12 58.4		LR	VG				
		13 04.0		LM	NE				
40	27	NOUVELLE ZEMBLE							
		8 21.3		LR	VG				
41	28	23 27	49.0	21.0 N	120.0 E	.000	88.83	57.37	USCGS
		14.9		LR	VG				
42	28	09 54	53.0	27.0 N	044.0 O	.000	43.47	255.55	USCGS
		10 14.9		LR	VG				
43	3	16 18	17.0	55.5 N	166.5 E	.000	72.94	10.50	USCGS

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		16 29 50		P	VE, VG					
		17 07,8		LR	VG					
44	9	10 22 25.0		34.0 S		178.5 0	.000	163.08	8.18	USCGS
		10 42 36		PKP	VG					
		11 57,9		LR	VG					
45	11	00 25 56.0		25.5 N		125.0 E	.004	87.69	51.05	USCGS
		38 43		P	VE, EE		.004	88.2		
		38 55		E	NE					
		39 01		*PP	G, VG					
		39 05		*SP	VE					
		39 21		E	VG					
		42 22		/PP/	G					
		49 06		SKS	VG					
		49 35		*SSKS	EE					
		49 51		*SS	VG					
		55 09		/SS/	VG					
		1 06,2		E	NE					
		1 08,9		LR	VE					
		1 12,3		LM	EE					
		1 22,2		MR	VE					
46	14	23 49 23.0		12.5 N		123.5 E	.000	97.70	59.39	USCGS
		2 51		P	G					
		42 25		LR	VG					
47	15	00 24 01.0		23.0 N		121.5 E	.000	87.99	55.09	USCGS
		1 19,2		LR	VG					
48	15	06 27 08.0		40.9 N		021.2 E	.000	15.30	123.80	BCIS
		6 30 54		P	NE					
		6 35,2		LR	NG					
		6 35,9		LM	VG					
49	19	16 04 03.0		47.0 N		014.5 E	.010	7.68	115.75	USCGS

		16 05 43	PN	G					
		16 08 16	E	VG					
50	20	01 38 04.0	51.0 N	173.0 O	.000	78.46	358.30		USCGS
		1 50 11	P	G		79.4			
		1 50 20	PCP	VG					
		1 50 26	E	NE					
		2 00 16	S	EE,NE					
		2 22,3	LR	VG					
51	22	11 07 47.0	35.5 N	067.0 E	.000	46.72	83.92		USCGS
		11 39,3	L	VG					
52	28	12 06 24.0	37.0 N	071.0 E	.026	48.28	79.58		USCGS
		12 14 48	P	VE,EE	.025	48.3			
		12 15 52	*SP	VE					
		12 16 47	/PP/	VG					
		12 17 52	/PPP/	VE,EE					
		12 25,3	SS	NG					
53	30	16 10 11.0	45.8 N	005.8 E	.000	5.09	168.59		USCGS
		16 11 56	PG	G		5.0			
		16 12 15	E	VG					
		16 12 43	S*	VG					
		16 12 55	SG	VE,VG					
		16 13 00	E	VE					
		16 13 06	E	VG					
54	3	02 23 43.0	41.0 N	020.5 E	.000	14.86	125.00		USCGS
		2 27 14	P	VE		15.2			
		2 30 04	S	VG					
		2 31 32	E	VG,G					
		2 31 50	E	VE					
		2 32 09	E	VG,G					
55	3	07 18 34.0	35.0 N	027.5 E	.000	23.00	124.46		USCGS

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		7	23	44	P	VE					
56	4	07	29	55.0	05.5 S	152.0 E	.000	127.32	42.07		USCGS
		8	25.7		L	VG					
57	4	15	38	03.0	05.5 S	152.0 E	.000	127.32	42.07		USCGS
		16	56.1		LR	VG					
58	7	15	30	38.0	66.5 N	157.0 O	.000	62.09	351.68		USCGS
		15	41	07	P	VE		62.3			
		15	41	16	E	G					
		15	41	44	PCP	VG					
		15	42	43	E	VG					
		15	49	43	PS	NG					
		15	49	56	PPS	VG					
		15	57.1		SS	VG					
		16	02.7		LR	VE					
		16	10.4		MR	VG					
59	7	18	05	02.0	38.5 N	143.0 E	.000	83.85	31.39		USCGS
		18	17	32	P	G					
		18	20	53	PP	VE					
		18	29	03	E	VG					
		18	53.2		LR	VE					
60	7	18	30	12.0	38.5 N	142.5 E	.000	83.69	31.75		USCGS
		18	42	40	P	VE					
61	7	18	38	18.0	38.0 N	143.0 E	.000	84.31	31.60		USCGS
		18	50	49	P	VG					
62	7	19	13	20.0	45.0 N	098.0 E	.000	58.85	55.72		USCGS
		19	23	21	P	VE					

19 23 28	E	G
19 26 53	/PPP/	VE
19 42 47	L	VG
19 45 55	M	VE

63	11	00 58	13.0	38.5 N	142.5 E	.000	83.69	31.75	USCGS
		1 10 44		P	VG				
		1 47 41		L	VG				

64	11	23 11	26.0	47.5 N	153.5 E	.010	78.45	20.76	USCGS
		23 23 16		P	VE,EE				
		23 23 21		E	VE,EE				
		23 23 37		*PP	VG				
		23 24 07		E	VG				
		23 24 15		E	VG				
		23 30 11		E	VE,EE				

65	12	11 46	58.0	26.5 N	111.0 O	.000	84.20	305.57	USCGS
		12 27 46		L	VG				

66	12	13 25	22.0	25.0 N	126.0 E	.000	88.60	50.56	USCGS
		13 38 17		P	VE,VG				

67	13	12 29	07.0	53.0 N	161.0 E	.000	74.62	14.37	USCGS
		12 40 49		P	VE,NE				
		12 40 57		E	NE				
		12 41 15		E	NE				
		12 42 04		E	VG				
		12 43 31		/PP/	NE,VG				
		12 45 32		PPP	VG				
		13 07 03		L	EE				
		13 10 21		L	VG				
		13 11 11		L	VE				
		13 16 01		L	NE				

68	14	21 32	28.0	01.0 N	079.5 O	.000	85.28	265.87	USCGS
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		21	45	11	P	VE,EE		85.6		
		21	45	16	/PCP/	G				
		21	51	48	E	NG				
		21	55	40	S	NG				
		21	56	29	PS	NG				
		22	01	51	E	NG				
		22	09	44	LQ	NG				
		22	12	19	LR	VE				
		22	13	19	L	NG				
69	15	03	52	39.0	09.0 N	084.0 O	.000	81.99	274.45	USCGS
		4	34	55	LR	EE				
70	21	20	14	47.0	15.0 S	174.5 O	.000	144.26	358.11	USCGS
		20	34	31	PKP	VE,EE				
71	24	13	09	41.0	22.0 S	170.5 E	.000	149.25	25.76	USCGS
		13	29	31	PKP1	VG				
72	28	11	47	40.0	11.0 S	074.0 O	.000	91.16	254.11	USCGS
		12	33	03	LR	VG				
73	30	14	07	59.0	37.7 N	014.2 O	.000	18.58	232.32	BCIS
		14	12	19	P	EE				
		14	12	32	E	VG				
		14	12	50	E	VG				
		14	15	53	/S/	NE				
		14	23	38	LR	VE				
		14	25	54	LR	VG				
		14	27	21	LR	VG				
74	1	00	29	15.0	13.5 S	167.5 E	.000	140.32	26.21	USCGS
		48	21		PKP	VG,G				
		48	23		E	G				
		48	27		E	G				

49 20 E VG
51 16 E VG
52 09 /PKS/ VG

75	3	08 00	48.0	10.5 S	013.5 O	.000	63.05	199.76	USCGS
		8 38	20	LR	VG				
76	3	20 18	16.0	36.5 N	021.8 E	.000	18.98	132.14	BCIS
		20 29	42	LR	VG				
77	5	06 31	39.0	09.5 S	027.5 E	.000	63.37	154.32	USCGS
		6 42	12	P	VG		63.5		
		6 42	25	E	VG				
		6 50	48	S	VG				
		6 51	12	PPS	VG				
		6 52	16	E	VG				
		7 10	50	LR	VG				
78	7	00 00	00.0	55.0 N	026.0 E	.000	13.68	63.72	BCIS
		7 44	05	LR	VG				
79	8	02 47	14.0	45.5 N	028.0 O	.000	22.08	268.78	USCGS
		2 52	14	P	G				
		2 52	16	E	G				
		2 52	19	E	G				
		2 52	22	E	G				
		2 53	37	E	G				
		2 54	02	E	G				
80	9	02 40	47.0	36.5 N	027.7 E	.000	21.98	121.57	BCIS
		2 46	04	PP	VG				
		2 50	00	E	VG				
		2 53	50	LR	EE, NE				
		2 55	30	MR	VE				

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81	18	02 32	52.0	13.0 S	167.0 E	.000	139.70	26.71	USCGS
		2 52	06	/PKP/	VG				
82	18	03 31	18.0	13.0 S	167.0 E	.000	139.70	26.71	USCGS
		3 50	44	PKP	NE				
		3 51	20	E	VG				
		3 54	10	E	EE				
83	18	12 21	18.0	13.0 S	167.0 E	.000	139.70	26.71	USCGS
		12 40	53	PKP	VG				
		12 43	45	PP	VG				
84	18	ILES KERMADEC			DON. DISC.				BCIS
		13 37	46	PKP	VG				
		13 45	23	E	VG				
		13 49	22	E	VG				
85	22	15 08	00.0	03.0 S	146.0 E	.000	122.42	47.25	USCGS
		16 03	15	LR	EG				
		16 02	50	LQ	NG				
86	24	23 53	38.0	12.0 N	043.5 E	.000	50.11	126.44	USCGS
		21	50	LM	NG				
87	25	00 35	23.0	51.5 N	177.0 O	.000	77.98	.87	USCGS
		24	12	L	EG				
		30	56	LM	EG				
88	25	14 54	30.0	51.5 N	177.0 O	.000	77.98	.87	USCGS
		15 42	12	LR	EG				
		15 45	20	LR	NG				

89	25	21 11	45.0	03.0 S	077.0 O	.010	86.80	261.41	USCGS
		21 24	29	P	G		86.2		
		21 24	38	PCP	VE,EE				
		21 24	45	E	G				
		21 25	11	E	VG				
		21 28	08	/PP/	VG				
		21 35	04	S	EG				
		21 35	10	E	EE,NE				
		21 36	12	E	VG				
		21 47	24	L	VG,NG				
		21 53	47	M	EG				
90	27	18 27	42.0	35.5 N	027.0 E	.018	22.36	124.44	BCIS
		18 32	18	P	VE,EE		21.6		
		18 33	06	*SP	VG,NG				
		18 36	05	S	VG,NG				
		18 37	05	E	VG				
91	27	23 32	43.0	05.5 S	146.0 E	.000	124.61	48.66	USCGS
		27 35		L	EG				
		28 43		L	NG				
		36 35		L	NG				
92	30	18 04	50.0	52.5 N	169.0 O	.000	76.83	355.84	USCGS
		18 16	46	P	EE				
		18 26	40	S	NG				
		18 31	49	E	VG,EG				
93	31	03 50	08.0	.41.5 N	044.0 E	.000	28.65	93.36	BCIS
		4 03	24	L	NG				
94	31	19 32	30.0	15.0 S	169.0 E	.000	142.16	24.65	USCGS
		19 52	04	PKP1	VE,NE				
		19 52	10	E	G				
		19 52	45	E	VG				

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		19 53	30	E	VG					
		19 55	26	/PP/	EG,NG					
		19 55	51	E	NE					
		19 56	42	E	VE					
		19 59	04	/SKS/	VG					
		20 00	09	E	EG					
		20 00	56	E	EG					
		20 05	29	/PS/	EG					
		20 23	57	L	EG					
		20 28	56	L	EG					
		20 47	09	L	NE					
		21 25	24	M	EG					
95	1	18 21	17.0	60.5 N	143.5 O	.000	65.99	343.28		USCGS
		18 58	40	L	EG					
96	3	19 31	52.0	15.0 S	168.0 E	.000	141.89	26.16		USCGS
		19 51	23	PKP	VG					
		19 52	44	E	EG					
		19 54	25	PP	VG,EG					
		19 55	18	E	VG					
		19 56	56	E	VG					
		20 02	33	E	VG					
		20 06	26	E	VG					
		20 31	30	LQ	NG					
		20 43	42	LR	EG					
97	4	14 29	50.0	52.5 N	167.0 O	.000	76.73	354.59		USCGS
		14 41	43	P	VG		76.5			
		14 42	23	E	VG					
		14 51	30	S	EG					
		14 51	48	E	NE					
		15 15	45	L	NG					
98	5	13 29	50.0	37.5 N	021.2 E	.010	17.89	131.50		BCIS
		13 33	54	P	NE	.000	17.8			
		13 37	15	S	NG					
		13 39	48	LR	NE,VG					
		13 43	03	M	EG					



99	6	09 11	16.0	08.0 N	084.5 O	.000	83.08	274.19	BCIS
		9 23	46	P	VE		83.1		
		9 27	04	/PP/	VG				
		9 33	20	E	EG				
		9 34	04	S	NG				
		9 35	38	E	VG				
		9 39	24	SS	VG				
		9 45	50	E	NG				
		9 46	32	LQ	EG				
		9 50	17	LR	EG				
100	6	19 15	28.0	05.5 N	082.5 O	.000	83.72	271.05	USCGS
		19 28	10	/P/	NE, VG				
		19 28	50	E	VG				
		19 38	27	S	VG				
		19 43	49	E	EG				
		19 50	20	L	NG				
		19 55	03	L	NG				
		19 56	14	L	EE				
101	6	22 44	05.0	08.0 N	084.5 O	.000	83.08	274.19	USCGS
		23 09	20	E	EG				
		23 11	30	E	NG				
		23 19	31	L	NG				
		23 25	26	L	EG				
102	8	00 38	52.0	53.0 N	167.0 O	.000	76.23	354.64	USCGS
		51 08		P	NG				
		55 30		/PPP/	NG				
		57 20		E	EG				
		1 25	20	L	NG				
103	8	21 09	25.0	07.0 N	034.0 O	.000	54.02	229.54	BCIS
		21 26	30	S	EG, NG				
		21 30	35	E	EG				
		21 33	15	L	NG				
		21 45	36	L	EG				
104	10	08 28	52.0	41.5 N	019.2 E	.000	13.83	126.51	BCIS

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		8	36	16	LR	EG				
105	12	20	52	57.0	53.0 N	167.0 0	.000	76.23	354.64	USCGS
		21	04	51	P	VG		76.5		
		21	04	54	E	VG				
		21	14	42	/S/	EG				
		21	22	49	SSS	NG				
		21	24	09	L	VG				
		21	24	44	L	EG				
		21	35	32	L	NG				
106	16	18	51	45.0	20.0 S	178.0 0	.000	149.19	4.33	BCIS
		19	12	05	/PKP/	VG				
107	17	19	06	43.0	25.0 N	142.5 E	.004	95.88	37.47	USCGS
		19	56	19	LQ	EG				
		20	02	08	LR	VG				
108	18	01	15	01.0	68.7 N	017.2 0	.000	20.74	337.77	BCIS
		1	19	43	P	NE		20.7		
		1	20	10	PP	VG				
		1	20	16	PPP	VG				
		1	20	41	E	VG				
		1	23	31	S	EG				
		1	25	53	L	EG				
		1	26	37	L	VG				
109	18	02	23	25.0	68.7 N	017.2 0	.000	20.74	337.77	BCIS
		2	30	29	E	EG				
		2	34	59	L	VG				
110	18	04	34	04.0	68.7 N	017.2 0	.000	20.74	337.77	BCIS
		4	38	46	P	VG				
		4	42	43	/S/	EG				
		4	45	42	L	VG				

111	19	05 18	00.0	49.5 N	156.0 E	.000	77.08	18.49	USCGS
		5 29	53	P	EG		76.4		
		5 35	49	E	VG				
		5 39	39	S	EG				
		5 49	43	L	EG				
		5 59	47	L	EG				
		6 03	43	L	EE				
		6 05	25	L	NE				
112	23	05 10	03.0	49.0 N	102.0 E	.000	58.18	50.09	USCGS
		5 18	47	L	NG				
		5 43	05	L	NE, VG				
113	24	04 48	15.0	40.5 N	078.5 E	.000	50.71	71.19	USCGS
		5 04	31	S	NG				
		5 08	23	/SS/	EG				
		5 14	05	L	NG				
		5 16	44	L	VG				
114	24	06 07	04.0	42.4 N	013.5 E	.000	10.48	139.76	BCIS
		6 11	37	LQ	NG				
		6 11	50	LR	VG				
115	24	06 36	24.0	47.0 S	080.0 O	.000	121.39	232.89	BCIS
		7 27	29	L	NG				
		7 39	29	L	VG				
116	25	09 36	30.0	03.0 S	144.5 E	.000	121.71	48.81	USCGS
		9 55	36	/PKP/	VG		121.8		
		9 57	13	E	VE				
		9 57	32	E	EG				
		9 57	49	E	VG				
		9 58	11	/PP/	VG, EG				
		9 59	37	PPP	VE, EE				
		10 05	49	E	EE				

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10 06	55	PS	EG
10 09	05	E	EE
10 12	30	E	EG
10 13	54	/SSP/	EG
10 22	09	E	EE
10 28	41	L	VG
10 34	51	L	VE
10 36	42	L	VG
10 45	41	M	NE

117	26	04 38	12.0	54.5 N	159.5 E	.015	72.94	14.84	USCGS
		4 49	43	P	NE	.010	74.0		
		4 50	17	*SP	VG				
		4 50	26	E	VG				
		4 59	01	S	EG				
		4 59	51	/PPS/	EG				
		5 03	39	SS	EG				
		5 17	55	L	VG				

118	26	23 29	32.0	31.0 N	141.5 E	.000	90.10	35.70	USCGS
		23 53	37	/S/	EG				
		23 54	38	PS	VG				
		24 22	29	LR	EG				

119	29	03 25	42.0	15.5 S	070.5 O	.018	92.59	248.66	USCGS
		3 39	23	*PP	EG				
		3 49	03	SKKS	EG				
		4 19	04	L	EG				

120	30	08 42	41.0	36.5 N	027.4 E	.006	21.82	122.05	BCIS
		8 47	29	P	EE,NE	.006	21.8		
		8 47	35	E	EE,EG				
		8 47	49	E	EE,NE				
		8 48	04	PPP	EG				
		8 51	22	*SS	EG				
		8 52	01	E	EE				
		8 53	44	E	VG				
		8 55	34	L	VG				

121	30	18 26	20.0	31.0 N	141.5 E	.000	90.10	35.70	USCGS
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18 39	20	P	VG	90.3
18 40	05	E	VG	
18 43	29	E	VG	
18 49	53	SKS	EG	
18 50	19	S	VG	
18 51	16	/PS/	VG	
19 01	06	/SSS/	EG,NG	
19 13	24	L	NG	
19 14	15	L	EE	
19 18	49	L	NE	
19 23	26	L	VG	

122	1	05 53	07.0	51.5 N	176.5 O	.000	77.98	.55	USCGS
		6 05	07	P	VG		78.0		
		6 15	02	S	EG,NG				
		6 25	29	LQ	EG				
		6 31	29	LR	EG				
		6 41	29	LM	EG				

123	2	04 48	03.0	18.0 S	177.0 O	.050	147.24	2.39	USCGS
		5 08	40	*PPKP	VG				

124	3	05 45	15.0	17.5 S	065.5 E	.000	86.49	123.17	BCIS
		5 58	04	PCP	VG				
		5 08	45	SCS	EG				
		5 21	02	LQ	EG				
		5 34	59	LM	EG				

125	3	06 27	44.0	29.0 S	179.0 O	.057	158.07	7.89	USCGS
		6 47	38	PKP2	VG,NG		158.0		
		6 51	15	PP	VG				
		6 53	32	SKS	VG				
		6 57	07	/SKKS/	EG				

126	4	00 19	28.0	19.0 S	173.5 O	.000	148.21	356.16	USCGS
		39 17		PKP	VG				

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127	4	18 34	03.0	06.0 N	125.0 E	.000	103.89	61.83	USCGS
		18 54	40	PPP	VG				
		19 00	19	E	EG				
		19 28	39	LR	EG,NG				
		19 37	29	LM	NG				
128	5	23 21	50.0	31.2 N	141.5 E	.000	89.92	35.62	USCGS
		24 08	59	LR	VG				
		24 15	49	LM	EG				
129	6	04 40	59.0	55.0 N	160.5 O	.000	73.72	351.00	USCGS
		5 00	59	E	NG				
130	8	05 02	26.0	50.8 N	010.2 E	.000	3.70	87.71	USCGS
		5 03	27	PN	VG		3.7		
		5 03	58	E	NG				
		5 04	18	S*	VG				
		5 04	37	/SG/	VG				
		5 04	49	E	EG,NG				
		5 05	07	E	VG				
		5 05	16	E	VG				
131	8	06 06	28.0	21.5 S	174.0 O	.000	150.72	356.88	USCGS
		6 26	19	PKP	VG				
		7 33	59	LM	NG				
132	8	22 48	36.0	43.0 S	041.5 E	.000	98.93	153.40	USCGS
		23 14	09	E	EG				
		23 15	25	PS	EG				
		23 28	29	/SSSS/	EG				
		23 41	24	LR	EG				
		23 43	24	LM	NG				
133	10	06 15	51.0	58.6 N	137.1 O	.000	66.42	339.19	BCIS
		6 26	47	P	EE,NE		67.0		

6 26	55	E	NE
6 27	13	PCP	VG
6 35	41	S	VG
6 36	17	/PPS/	EE
6 36	45	SKS	EE
6 40	25	E	NE
6 44	29	LQ	EE
6 46	29	LQ	NE
6 49	27	LR	EE
6 52	53	LM	NE

134	10	14 59	14.0	00.5 S	024.0 0	.000	56.54	214.68	BCIS
		15 16	59	S	EG				
		15 23	04	L	EG				
135	11	19 10	20.0	21.0 S	069.0 0	.000	96.05	244.16	USCGS
		19 24	23	E	NG				
		19 34	29	SKS	EG				
		19 34	55	SKKKS	NG				
		19 52	59	LQ	EG,NG				
		20 02	09	LR	EG				
		20 05	39	LM	NG				
		20 09	59	LM	NG				
136	12	00 48	30.0	05.0 S	106.5 0	.000	106.91	283.27	USCGS
		1 16	29	PS	EG				
		1 22	29	SSP	EG				
		1 32	29	E	NG				
		1 37	59	LQ	EG				
		1 42	59	LR	EG				
		1 50	29	LM	EG				
137	15	07 59	18.0	35.4 N	029.6 E	.000	23.82	120.52	BCIS
		8 04	04	P	NG				
		8 07	59	S	NG				
		8 11	11	LQ	NG				
138	17	19 02	10.0	51.0 N	176.0 0	.000	78.49	.23	USCGS
		19 24	18	S	EG				

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		19 24	39		SCS		NG				
		19 35	29		LQ		EG				
		19 47	29		LQ		NG				
		19 51	25		LM		NG				
		19 55	29		LM		EG				
139	17	20 59	17.0		51.0 N		177.0 O	.000	78.48	.88	USCGS
		21 11	25		P		EG,NG				
		21 21	21		S		VG				
		21 26	59		E		NG				
		21 32	35		LQ		VG				
		21 48	19		LM		VG				
		21 53	29		LM		VG				
140	18	00 39	18.0		51.0 N		176.5 O	.000	78.48	.55	USCGS
		51 24			P		NG				
		51 54			E		NG				
		1 01	29		/S/		NG				
		1 02	20		PPS		VG				
		1 06	41		/SS/		NG				
		1 10	49		E		VG				
		1 17	59		LR		NG				
		1 30	59		LM		NG				
141	18	21 38	05.0		25.5 N		124.0 E	.000	87.19	51.81	USCGS
		21 50	54		P		VG				
		21 17	34		/SS/		EG				
		21 23	34		LR		NG				
142	19	06 30	19.0		04.0 S		138.5 E	.018	119.56	55.41	USCGS
		6 50	18		PP		VG				
		6 50	27		E		VG				
		6 51	23		E		VG				
		6 59	52		E		EG				
		7 01	49		PPS		VG				
		7 02	13		E		EG				
		7 27	19		LR		EG				
		7 41	59		LM		EG				
143	19	14 57	24.0		41.0 N		143.5 E	.000	81.75	29.98	USCGS

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15	19	39	/S/	NG
15	45	06	LM	EG
15	48	39	LM	NG

144	19	18 16	52.0	00.0 N	129.5 E	.000	111.34	61.42	USCGS
		18 36	17	PP	EG				
		18 42	11	E	EG				
		18 45	41	PS	EG				
		18 45	51	E	NG				
		18 51	59	SS	EG				
		19 05	59	LQ	EG,NG				
		19 12	29	LR	EG				
		19 15	09	LR	VG				
		19 22	49	LM	VG				
		19 35	05	LM	VG				

145	20	19 27	17.0	46.0 N	001.2 0	.000	6.06	219.72	USCGS
		19 28	54	PN	NG		6.2		
		19 29	25	/PG/	NE				
		19 29	48	E	NE				
		19 30	11	/SN/	NG				
		19 30	31	E	NG				
		19 30	40	SG	VE				

146	21	07 24	58.0	44.5 N	147.5 E	.000	79.74	25.83	USCGS
		7 37	10	P	VG				
		7 47	10	S	EG,NG				
		8 02	06	LQ	EG				
		8 10	58	LM	VG,NG				
		8 16	58	LM	VG,EG				

147	21	14 37	18.0	51.5 N	178.0 0	.000	77.97	1.51	USCGS
		14 49	18	P	VG,NG				
		14 50	19	E	EG				
		14 59	08	S	EG				
		15 10	05	LQ	EG				
		15 21	58	LM	EG				
		15 27	18	LM	NG				
		15 29	48	EG					

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148	23	10 27	19.0	31.0 N	142.0 E	.000	90.28	35.31	USCGS
		10 40	24	P	VG,EG		90.0		
		10 43	58	PP	VG				
		10 51	17	S	EG				
		10 52	23	PS	VG				
		11 04	56	LQ	EG				
		11 14	58	LR	EG				
		11 19	58	LM	EG				
		11 30	53	LM	VG				

149	26	06 13	50.0	40.0 S	045.5 E	.000	97.40	149.40	USCGS
		6 38	12	SKS	EG				
		6 45	23	/SS/	EG				
		6 56	58	LQ	EG				
		7 08	00	LM	EG				

150	26	17 37	09.0	13.5 S	069.0 O	.097	90.12	248.72	USCGS
		17 49	06	P	VE	.097	90.0		
		17 49	17	E	EG				
		17 49	44	E	VE,VG				
		17 51	32	*PP	VE				
		17 51	58	E	VE				
		17 53	02	PP	VE,EG				
		17 58	46	/SKS/	EE,NE				
		17 58	58	S	VG				
		18 02	06	E	VG				
		18 02	28	E	NE				
		18 03	06	*SS	EE				
		18 05	51	E	VG				
		18 15	48	LQ	VG				

151	27	18 30	33.0	55.0 N	034.5 O	.000	23.56	295.47	USCGS
		18 35	43	P	EG				
		18 40	13	E	EG				
		18 42	08	LR	EG				
		18 46	00	LM	EG				

152	28	15 57	24.0	55.5 N	037.5 O	.000	25.21	297.14	USCGS
		16 02	44	P	EG				
		16 07	00	S	EG				

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		16 08 30	LQ	VG,NG						
		16 09 58	LR	EG						
153	28	18 33 45.0	26.5 S	115.5 O	.000	128.70	274.65			USCGS
		19 17 18	L	EG						
		19 28 15	L	NG						
154	29	21 37 25.0	04.0 N	026.5 O	.000	53.36	219.59			USCGS
		21 46 48	P	VG,EG						
		21 54 23	S	VG						
		22 01 24	LQ	NG						
		22 15 23	LM	NG						
155	30	02 47 17.0	44.5 N	148.5 E	.000	80.01	25.15			USCGS
		2 59 28	P	VG,NG						
		3 09 26	S	EG,NG						
		3 24 28	LQ	EG,NG						
		3 35 40	LM	VG						
		3 43 39	LM	EG						
156	30	04 44 53.0	02.5 S	140.0 E	.000	119.05	53.06			USCGS
		5 22 08	/SS/	NG						
		5 46 28	LR	NG						
		5 50 48	LM	NG						
		5 52 54	LM	EG						
		5 59 48	LM	NG						
157	1	05 37 50.0	16.0 S	176.5 O	.065	145.26	1.45			USCGS
		5 56 46	PKP	VG,EG						
		5 58 58	E	VG						
		6 12 18	E	EG						
		6 18 08	SS	EG						
158	3	01 06 24.0	21.5 S	179.0 O	.081	150.63	6.38			USCGS
		1 25 19	PKP	VG,EG						

		1	27	16	E	VG				
		1	27	46	*PPKP	VG				
		1	31	03	E	VG				
		1	38	58	/SP/	EG				
159	4	04	13	19.0	06.0 S	130.0 E	.018	116.54	64.67	USCGS
		4	33	01	PP	EG				
		4	39	36	E	EG				
		4	40	56	E	NG				
		4	43	40	/PPS/	VG				
		4	44	52	E	VG				
160	6	21	09	09.0	17.0 S	173.0 0	.000	146.20	355.46	USCGS
		21	28	53	PKP	VG,EG				
		21	29	30	E	VG				
		21	51	16	SS	EG				
		22	17	26	LQ	EG				
		22	23	52	LR	EG				
		22	25	26	LR	NG				
		22	30	46	LM	EG				
161	8	05	29	34.0	41.4 N	002.8 E	.000	9.46	187.14	BCIS
		5	32	47	E	VG		9.6		
		5	34	26	S*	VG,EG				
		5	34	44	SG	VG,NG				
		5	34	49	E	VG				
		5	35	36	E	EG				
162	8	20	37	26.0	41.4 N	002.8 E	.000	9.46	187.14	BCIS
		20	42	29	E	EG,NG				
		20	42	36	E	VG				
		20	42	45	SG	EG				
		20	43	28	E	NG				
		20	43	46	E	VG,NG				
163	9	12	47	56.0	50.0 S	013.0 0	.000	101.60	191.32	BCIS
		13	15	26	/PS/	NG				
		13	38	06	LR	NG				

164	12	19 25	05.0	00.0 N	126.5 E	.000	109.65	64.07	USCGS
		19 43	42	PKP	VG		110.0		
		19 50	15	SKS	EG				
		19 51	58	/S/	VG				
		19 53	29	PS	VG				
		19 54	18	E	EG				
		20 21	34	LR	VG				
		20 25	15	LR	EG				
		20 29	10	LM	VG				
		20 31	05	LM	EG				
165	13	20 13	00.0	51.0 N	177.5 O	.000	78.47	1.20	USCGS
		20 25	06	P	VG				
		20 35	05	S	VG				
		21 25	16	E	NG				
166	14	11 27	00.0	34.5 N	048.0 E	.000	35.37	100.37	USCGS
		11 35	23	PP	EG		35.6		
		11 35	56	/PPP/	NG				
		11 39	38	S	EG				
		11 42	17	/SS/	EG				
		11 42	31	SSS	EG				
		11 43	20	LQ	NG				
		11 49	35	LM	NG				
		11 50	44	LM	EG				
167	14	14 55	10.0	52.0 N	175.0 O	.000	77.48	359.60	USCGS
		15 07	07	P	VG				
		15 13	41	E	VG				
		15 17	02	S	EG				
		15 23	25	E	NG				
		15 25	51	E	EG				
		15 27	27	LQ	NG				
		15 34	37	LR	EG				
		15 37	17	LM	NG				
		15 42	17	LM	EG				
168	14	15 26	29.0	34.0 N	047.5 E	.000	35.38	101.49	USCGS
		15 33	18	P	EG				

15	34	45	PP	VG
15	41	31	/SS/	NG
15	45	37	LR	NG
15	51	17	/LM/	EG
15	54	44	/LM/	EG

169 15 19 55 39.0 53.0 N 160.5 E .004 74.54 14.67 USCGS

20	07	12	P	VE,EE	.005	75.7
20	07	24	PCP	VE		
20	09	53	E	VG		
20	16	47	S	NE		
20	17	00	E	NG		
20	17	18	*SS	EG		
20	18	33	E	NG		
20	22	05	/SS/	EG		
20	31	58	LR	NG		
20	35	58	LR	EG		
20	41	58	LM	VG		
20	46	18	LM	NG		

170 15 22 29 17.0 01.5 N 125.0 E .026 107.57 64.47 USCGS

22	43	18	P	VG,EG
22	43	40	E	NE
22	44	02	*PP	VG
22	46	28	E	NE
22	47	45	PP	VG
22	48	51	E	VG
23	14	48	LQ	NG
23	23	32	LM	EG
23	24	08	LM	VG

171 16 11 13 47.0 24.5 S 175.0 0 .000 153.73 358.68 BCIS

11	33	37	PKP	VG
12	30	49	LR	VG
12	42	59	LM	VG
12	44	20	LM	VG

172 16 13 17 52.0 51.5 N 176.0 0 .000 77.99 .23 USCGS

13	29	56	P	VG
13	50	50	LQ	EG
14	05	30	LM	EG

173	16	19 13	44.0	34.0 N	048.0 E	.000	35.69	101.01	BCIS
		19 20	42	P	VE,EE		36.2		
		19 22	04	PP	EE,EG				
		19 22	20	PPP	EG				
		19 24	27	E	VG				
		19 26	22	S	EG,NG				
		19 28	50	SS	NG				
		19 33	16	LR	EG				
		19 36	08	LM	EG,NG				
		19 41	24	LM	EG				
174	17	09 08	35.0	51.5 N	176.0 O	.000	77.99	.23	USCGS
		9 20	42	P	VG				
		9 30	34	S	NG				
		9 53	20	LM	NG				
175	17	18 01	00.0	03.0 S	145.5 O	.000	125.97	321.72	USCGS
		18 21	53	E	NG				
		19 03	30	LR	VG,NG				
		19 05	35	LR	EG				
		19 13	50	LM	VG				
176	17	21 11	09.0	35.5 S	179.5 O	.000	164.45	11.81	USCGS
		21 31	15	PKP	VG				
		21 35	53	/PP/	VG				
		22 43	20	LM	EG				
177	19	04 45	45.0	19.0 S	175.0 E	.000	147.39	16.58	USCGS
		5 05	23	PKP	VG				
178	19	21 48	07.0	01.0 S	149.5 E	.000	122.21	42.49	USCGS
		22 25	30	SS	NG				
		22 30	24	/SSS/	EG				
		22 46	11	LR	NG				
		22 54	45	LR	EG				

		22	60	34	LM	NG					
179	20	03	40	07.0	14.0 S	167.0 E	.000	140.65	27.17		USCGS
		4	02	43	PP	VG		141.0			
		4	03	03	E	EG					
		4	03	20	/PKS/	NG					
		4	08	00	PCPPKP	EG					
		4	08	35	E	NG					
		4	21	12	SS	EG					
		4	44	45	LQ	NG					
		4	47	36	LR	EG					
		4	53	40	LR	EG					
		4	58	50	LM	EG					
180	20	08	46	04.0	24.0 N	122.0 E	.000	87.42	54.15		USCGS
		8	58	56	P	VG,EG					
		9	05	35	E	EG					
		9	07	20	E	VG					
		9	30	40	LR	EG					
		9	32	20	LR	NG					
		9	41	07	LM	EG					
181	21	01	09	00.0	24.0 S	176.0 O	.000	153.24	.73		USCGS
		1	29	12	PKP	VG,NG					
		2	37	10	LM	EG					
		2	44	20	LM	EG					
182	26	12	20	43.0	14.0 S	167.0 E	.000	140.65	27.17		USCGS
		12	43	18	PP	VG					
183	26	12	45	02.0	14.0 S	167.0 E	.000	140.65	27.17		USCGS
		13	04	38	PKP	VG					
		13	40	21	LQ	NG					
		13	50	51	LR	NG					
		14	04	21	LM	NG					
		14	12	21	LM	NG					

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184	26	17 55	34.0	14.0 S	167.0 E	.000	140.65	27.17	USCGS
		18 18	15	PP	VG				
		18 36	36	SS	EG				
		18 47	51	E	NG				
		19 04	31	LR	EG				
		19 31	41	LM	EG				
185	26	23 31	38.0	14.0 S	167.0 E	.000	140.65	27.17	USCGS
		25 40	51	L	EG,NG				
		26 00	31	L	VG				
186	27	02 25	32.0	04.5 S	104.5 O	.000	105.28	281.96	USCGS
		2 50	31	E	EG				
		2 15	36	LR	EG				
		2 18	11	LR	NG				
		2 20	51	LR	NG				
		2 27	01	LM	EG				
187	27	15 16	34.0	37.8 N	020.5 E	.000	17.32	132.39	BCIS
		15 20	42	P	NE,NG		17.5		
		15 20	51	PP	VE,NE				
		15 21	18	/PPP/	NG				
		15 24	03	S	VE,EE				
		15 25	41	LQ	EG				
		15 26	21	LR	VG,NG				
		15 26	42	LR	EG				
		15 27	09	LR	NG				
		15 27	26	LM	NG				
		15 27	51	LM	NE				
188	29	12 24	23.0	14.5 S	167.0 E	.000	141.12	27.41	USCGS
		13 37	11	LQ	NG				
189	30	07 35	42.0	37.6 N	020.8 E	.000	17.63	132.15	BCIS
		7 43	11	S	EG,NG				
		7 45	33	LR	VG				

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AOUT

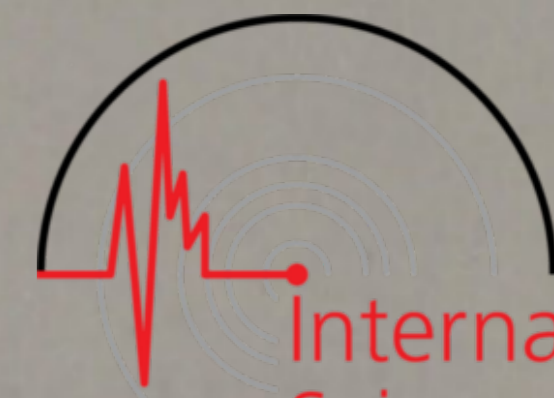
SEPTEMBRE

190	30	18 38	18.0	27.5 N	112.0 O	.000	83.89	306.88	USCGS
		19 12	51	LQ	NG				
		19 18	21	LR	EG,NG				
		19 21	31	LR	VG				
		19 27	35	LM	EG				
191	30	23 00	16.0	63.0 N	144.5 O	.000	63.83	344.78	USCGS
		23 10	50	P	VE,NG		63.6		
		23 13	10	PP	VG				
		23 19	28	S	EG,NG				
		23 29	26	LQ	EG				
		23 35	01	LR	EG				
		23 40	21	LM	NG				
192	1	00 57	10.0	24.0 S	175.5 O	.000	153.24	359.71	USCGS
		2 25	21	L	EG				
193	1	01 13	22.0	37.7 N	020.9 E	.000	17.59	131.74	BCIS
		1 17	31	P	NE,NG				
		1 20	56	S	NE,NG				
		1 23	47	LR	NG				
		1 26	51	LM	EE				
		1 30	41	LM	NG				
194	2	02 07	04.0	15.0 N	092.5 O	.000	82.71	284.76	USCGS
		20 46	51	L	EG,NG				
		20 54,1		L	NG				
		21 01,0		L	EG				
195	3	03 44	24.0	00.0 N	017.8 O	.000	54.04	207.76	BCIS
		3 53	51	P	VG,EG				
		4 01	30	S	EE				
		4 06	18	F	VG				
		4 09	01	LQ	EG				
		4 12	34	LR	NG				
		4 13	43	LR	VG				
		4 15	51	LM	NG				



196	3	08 10	26.0	44.5 N	143.0 E	.004	78.43	28.82	USCGS
		8 22	43	P	VG				
		8 33	05	S	NG				
		8 51	51	LQ	EG				
		8 58	25	LM	EG				
197	4	00 02	50.0	35.8 N	026.4 E	.004	21.82	124.93	USCGS
		7 43		P	VG,EG				
		11 44		S	NG				
		14,9		LM	EG				
		18,8		LM	NG				
198	4	21 51	08.0	33.5 S	069.5 O	.000	106.10	236.62	USCGS
		22 09	56	PP	VG,EG				
		22 16	21	E	EG				
		22 17	41	E	NG				
		22 18	51	E	VG				
		22 19	27	/PS/	NG				
		22 25	19	/SS/	EG				
		22 43	31	LR	VG				
		22 44	01	LR	EG				
		22 46	51	LR	NE,EG				
		22 51	31	LM	VG				
		22 55	31	LM	VG				
199	6	04 40	57.0	10.0 S	159.0 E	.000	134.23	36.07	USCGS
		5 50,9		LR	EG				
200	8	05 25	37.0	53.5 N	159.0 E	.000	73.82	15.42	USCGS
		5 37	15	P	VG,EG		74.0		
		5 37	36	PCP	VG				
		5 46	43	S	NG				
		5 47	08	/SCS/	EG				
		5 47	51	PPS	VG				
		6 02,9		LQ	NG				
		6 08,0		LM	EG				
		6 16,1		LM	NG				

201	8	22 24	55.0	34.0 S	070.0 O	.000	106.75	236.62	USCGS
		23 22	31	L	NG				
202	9	22 23	37.0	54.0 N	171.0 E	.000	74.88	8.11	USCGS
		22 35	30	P	VG,NG				
		22 50	02	SS	NG				
		22 52	13	E	VG				
		23 00,5		LR	NG				
203	11	18 01	44.0	07.5 N	126.5 E	.000	103.48	59.70	USCGS
		18 53	15	LR	NG				
		19 02	21	LM	NG				
		19 13	21	LM	NG				
204	15	19 45	40.0	02.5 N	120.5 E	.089	104.15	67.68	USCGS
		19 58	45	P	VG	.080	104.0		
		19 03	16	PP	VG				
		19 05	16	PPP	VG				
		19 05	23	E	EG				
		19 08	21	SKS	EG				
		19 09	43	S	NG				
		19 11	18	E	VG				
		19 14	05	/PPS/	NG				
		19 17	26	SS	VG,NG				
205	18	14 41	40.0	00.5 N	030.0 O	.000	57.97	221.70	USCGS
		14 59	39	S	EG,NG				
		14 59	46	E	VG				
		15 03	33	SS	EG				
		15 05	54	SSS	NG				
		15 12	11	LR	NG				
		15 21	09	LM	NG				
206	20	17 09	24.0	06.5 S	154.5 E	.000	129.27	39.72	USCGS
		17 32	02	PKS	NG				
		17 49	07	E	NG				
		17 07	59	LQ	NG				



		17	19	25	LR	NG					
207	22	19	05	44.0	33.5 S	177.5 O	.000	162.66	5.21		USCGS
		19	25	47	PKP1	VG					
		19	26	37	PKP2	VG					
		19	30	17	PP	VG					
		19	31	15	E	VG,EG					
		20	32	40	LR	EG					
		20	45	15	LM	EG					
208	24	03	44	14.0	59.2 N	143.5 O	.000	67.20	342.76		USCGS
		3	55	45	PCP	VG					
		4	03	37	E	VG					
		4	04	28	PS	EG					
		4	05	01	SKS	VG					
		4	05	25	E	NG					
		4	17	05	LR	EG					
		4	23	35	LM	NG					
		4	27	15	LM	NG					
209	25	07	20	01.0	09.0 N	039.5 O	.000	55.09	236.53		USCGS
		7	29	45	P	VG		55.0			
		7	31	42	PP	VG					
		7	32	16	E	VG					
		7	33	24	E	VG					
		7	34	45	/PCS/	EG					
		7	37	37	PPS	EG					
		7	40	40	SS	EG					
		7	43	15	LQ	NG					
		7	45	05	LQ	NG					
		7	53	25	LM	EG					
		7	56	25	LM	EG					
210	24	23	48	32.0	45.5 N	028.5 O	.000	22.40	269.18		BCIS
		24	00	25	L	EG					
211	27	12	37	07.0	37.0 N	141.5 E	.000	84.70	33.11		USCGS
		13	20	42	LR	EG					

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		13 25	11	LM	EG					
		13 31	00	LM	EG					
212	1	09 29	43.0	57.0 S	147.0 E	.000	157.30	120.46		USCGS
		10 14	01	SS	NG					
		10 52	08	LR	NG					
		10 53	25	LR	EG					
		11 08	00	LM	NG					
		11 13	05	LM	NG					
213	2	04 24	27.0	58.0 S	009.5 O	.000	109.12	187.74		USCGS
		5 12	23	LQ	EG					
		5 15	11	LR	NG					
214	6	09 29	22.0	37.5 N	054.5 E	.000	37.58	90.87		USCGS
		9 51	42	LM	EG					
215	6	18 52	43.0	56.0 N	163.0 E	.000	72.01	12.40		USCGS
		19 37	25	LM	NG					
		19 44	25	LM	EG					
216	7	12 32	38.0	05.2 S	151.7 E	.000	126.92	42.25		BCIS
		12 51	51	PKP	NG					
		13 38	25	LR	EG					
		13 41	25	LR	EG					
		13 44	28	LM	NG					
		13 45	52	LM	EG					
217	9	11 20	17.0	55.5 S	027.5 O	.000	109.28	198.52		USCGS
		11 47	10	E	EG					
		11 48	55	PS	NG					
		11 54	49	SS	EG, NG					
		12 05	30	LQ	EG					
		12 13	59	LR	NG					
		12 17	35	LR	EG					

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		12	28	28	LM	NG					
218	10	08	30	26.0	53.5 N	160.5 E	.010	74.06	14.53		USCGS
		8	41	57	P	VG					
		9	10	09	LM	NG					
		9	11	55	LM	EG					
219	12	07	53	43.0	74.0 N	051.8 E	.000	30.47	23.70		USCGS
		8	14	31	L	EG					
		8	14	40	L	NG					
220	12	15	18	42.0	27.5 N	125.5 E	.034	86.27	49.59		USCGS
		15	31	03	P	VG,EG	.035	68.7			
		15	32	33	*SP	VG					
		15	34	28	PP	VG					
		15	41	07	S	NG					
		15	43	05	PPS	NG					
		15	54	25	LQ	EG					
		16	07	35	LM	NG					
221	13	08	58	00.0	40.2 N	075.7 E	.000	49.21	73.21		BCIS
		9	25	05	L	NG					
222	15	NOUVELLE ZEMBLE			EXPLOSION NUCLEAIRE						
		8	07	54	L	EG					
		8	09	54	L	NG					
		8	12	24	L	NG					
223	18	09	51	10.0	74.0 N	051.8 E	.000	30.47	23.70		USCGS
		10	11	34	LM	EG					
		10	12	00	LM	NG					
224	19	01	53	54.0	19.0 S	172.5 O	.000	148.16	354.37		USCGS

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		2	13	50	PKP	VG					
		3	19	34	LM	EG					
		3	30	44	LM	NG					
		3	41	24	LM	EG					
225	22	08	21	11.0	74.0 N	051.8 E	.000	30.47	23.70	USCGS	
		8	42	04	LM	VG,EG					
		8	43	38	LM	VG					
226	24	H = 08. 06. (00)				EXPLOSION NUCLEAIRE					UPPSALA
		8	25	35	L	VG					
227	28	10	46	27.0	30.5 N	085.0 E	.000	61.28	76.00	USCGS	
		10	56	44	P	VG					
		10	58	04	E	VG					
		11	05	04	S	EG					
		11	05	14	E	VG					
		11	15	38	LQ	EG					
		11	17	26	LR	VG					
		11	24	14	LM	VG					
228	29	23	50	08.0	52.0 N	179.5 E	.000	77.40	3.07	USCGS	
		24	23	08	LQ	EG					
		24	34	54	LR	EG					
229	29	07	44	10.0	51.5 N	179.5 E	.000	77.90	3.10	USCGS	
		7	56	14	P	VG,EG					
		8	06	02	S	EG					
		8	07	54	E	VG					
		8	12	00	E	EG					
		8	17	06	LQ	EG					
		8	21	00	LR	EG					
		8	37	24	LM	VG					
		8	39	58	LM	VG					
230	31	19	02	54.0	03.5 S	143.5 E	.000	121.66	50.12	USCGS	

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		20 05	34	LR	EG					
		20 09	41	LM	EG					
		20 17	37	LM	EG					
231	31	23 39	27.0	25.0 N	122.5 E	.010	86.85	53.21		USCGS
		24 19	54	LR	EG					
232	1	03 38	35.0	03.0 S	150.0 E	.000	124.22	42.97		USCGS
		3 58	37	PP	VG		125.0			
		4 02	54	E	VG					
		4 10	56	PPS	VG					
		4 11	32	E	VG					
		4 16	39	SSP	EG					
		4 33	24	LQ	EG					
		4 41	24	LR	EG					
		4 45	04	LR	VG					
		4 54	24	LM	VG					
233	1	12 16	36.0	17.5 S	168.0 E	.000	144.26	27.39		USCGS
		12 36	14	PKP	VG					
		12 37	06	E	VG					
		12 58	04	SS	EG					
		13 23	16	LQ	EG					
		13 32	01	LR	EG					
		13 53	16	LM	EG					
234	1	15 50	10.0	17.5 S	168.0 E	.000	144.26	27.39		USCGS
		16 09	53	PKP	VG					
		16 11	57	E	VG					
		16 21	56	E	EG					
		16 32	02	SS	EG					
		17 02	12	LQ	EG					
		17 09	06	LR	EG					
		17 27	01	LM	EG					
235	4	08 31	00.0	28.0 N	141.0 E	.000	92.60	37.39		USCGS
		9 19	50	LQ	EG					
		9 23	07	LR	EG					

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		9 26	04	LR	EG					
		9 27	34	LM	EG					
236	4	22 54	46.0	50.0 S	115.0 O	.000	142.25	246.84		USCGS
		23 57	52	LQ	EG					
		24 05	41	LR	EG					
		24 14	08	LM	NG					
		24 19	10	LM	EG					
237	6	22 58	06.0	44.5 N	148.5 E	.004	80.01	25.15		USCGS
		23 10	14	P	VE,EG	.000	80.0			
		23 10	30	*SP	VE					
		23 10	34	E	VE					
		23 10	42	E	VE,EE					
		23 13	20	PP	VG					
		23 13	38	*PPP	VG					
		23 16	32	E	NE					
		23 16	50	E	NE					
		23 20	11	S	VG					
		23 20	56	PS	EE					
		23 21	10	PPS	EE					
		23 25	09	SS	EE					
		23 26	42	E	EE					
		23 30	42	L	VG					
		23 32	00	LQ	NE					
		23 33	30	LQ	EE					
		23 39	08	LR	VE					
		23 39	53	LR	VE					
		23 40	58	LR	EE					
		23 43	34	M	NE					
		23 44	04	M	VE					
238	7	01 42	56.0	44.5 N	149.5 E	.004	80.28	24.48		USCGS
		1 55	12	PCP	VE					
239	7	01 55	33.0	44.5 N	149.3 E	.000	80.23	24.62		USCGS
		2 07	54	P	VG					
240	7	04 59	56.0	44.5 N	149.0 E	.000	80.15	24.82		USCGS

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		5	12	08	P	VE, VG				
241	7	07	40	36.0	44.5 N	149.0 E	.000	80.15	24.82	USCGS
		7	52	59	P	VG				
		8	28	09	LM	EG				
242	7	08	14	28.0	54.0 N	035.5 O	.000	24.26	293.20	BCIS
		8	19	48	P	VG				
243	7	11	24	25.0	44.5 N	149.5 E	.004	80.28	24.48	USCGS
		11	36	35	P	VG				
		11	36	50	*PP	VG				
		12	04	40	LQ	EG				
		12	07	28	LR	EG				
		12	16	37	LM	VG				
244	7	17	32	48.0	44.0 N	148.5 E	.000	80.47	25.35	USCGS
		17	44	58	P	VG				
		18	16	48	LR	EG				
		18	23	08	LM	EG				
245	7	19	14	31.0	44.5 N	149.5 E	.000	80.28	24.48	USCGS
		19	26	58	E	VG				
246	8	09	22	53.0	52.0 N	159.5 E	.000	75.34	15.56	USCGS
		9	34	41	P	VE, NE				
		9	34	58	PCP	EG				
		10	03	20	LQ	EG				
		10	04	52	LQ	NG				
		10	09	09	LR	EG				
		10	10	50	LR	VG				
		10	12	21	LM	NG				
		10	15	14	LM	EG				

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247	9	00	02	54.0	46.5 N	151.0 E	.000	78.80	22.75	BCIS
		47	30		LQ	EG				
		50	53		LR	EG				
		51	52		LM	NG				
248	9	03	14	47.0	44.0 N	148.5 E	.000	80.47	25.35	USCGS
		3	57	18	LQ	NG				
		4	01	44	LR	NG				
		4	05	39	LM	NG				
249	9	17	52	52.0	44.0 N	148.0 E	.000	80.34	25.68	USCGS
		18	31	15	LR	EG				
		18	39	50	LM	EG				
250	9	21	04	46.0	44.0 N	148.0 E	.000	80.34	25.68	USCGS
		21	48	48	LR	EG				
		21	56	46	LM	EG				
251	10	11	13	05.0	09.0 S	110.0 O	.000	112.18	283.53	USCGS
		12	07	34	LQ	EG				
		12	10	42	LR	NG				
		12	17	47	LM	EG				
252	11	11	20	57.0	17.6 N	106.6 O	.000	89.01	297.06	USCGS
		11	52	08	L	EG				
		12	03	30	LQ	EG				
253	11	22	37	46.0	22.0 S	069.0 O	.000	96.84	243.55	USCGS
		23	31	14	LR	EG				
254	12	03	58	21.0	19.5 N	122.0 E	.000	91.13	56.67	USCGS
		4	50	41	LR	EG				



		4	55	25	LM	EG					
255	12	20	23	26.0	44.5 N	148.5 E	.000	80.01	25.15		USCGS
		20	35	42	P	VE,EE	.000	80.1			
		20	35	55	*PP	VE,VG					
		20	36	03	*SP	EE					
		20	36	13	*SPCP	VE					
		20	38	53	/PP/	VG					
		20	40	33	PPP	NG					
		20	41	59	E	VG					
		20	45	41	S	NE					
		20	46	00	SCS	EE,NE					
		20	46	16	/PS/	EG					
		20	52	10	SS	NG					
		20	53	27	L	EG					
		20	55	06	L	NE					
		21	00	25	LQ	EG					
		21	03	34	LQ	NE					
		21	08	28	LR	VG					
		21	09	10	LR	NE					
		21	10	55	LM	EE					
		21	15	47	LM	VG					
256	13	02	56	26.0	44.0 N	148.5 E	.000	80.47	25.35		USCGS
		3	35	27	LQ	EG					
		3	39	58	LR	EG					
		3	42	46	LR	NG					
		3	44	00	LM	EG					
		3	47	57	LM	NG					
257	13	04	04	37.0	44.5 N	148.0 E	.000	79.88	25.49		USCGS
		4	16	52	P	VE,NG					
		4	27	12	SCS	EG					
		4	37	14	L	EG					
		4	43	32	LQ	EG					
		4	45	56	LQ	NG					
		4	50	51	LR	NG					
		4	52	04	LM	EG					
		4	56	37	LM	VG					
258	13	05	59	53.0	43.5 N	139.0 E	.000	78.04	31.91		USCGS
		6	40	40	LR	EG					

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		6 42	26	LR	NG					
		6 44	55	LM	EG					
259	14	05 34	53.0	44.0 N	149.0 E	.000	80.61	25.01		USCGS
		5 47	09	P	VG					
		6 07	21	LQ	EG					
		6 20	13	LR	EG					
		6 27	27	LM	NG					
260	14	13 48	20.0	06.0 S	131.0 E	.000	117.11	63.76		USCGS
		14 06	50	E	VG					
		14 15	47	E	VG					
		14 18	13	E	EG					
		14 24	28	SS	NG					
		14 40	10	LQ	EG					
		14 49	02	LR	EG					
		14 55	47	LM	EG					
		14 59	57	LM	EG					
261	14	15 22	16.0	13.0 N	086.0 O	.010	80.20	278.56		USCGS
		15 58	50	LQ	NG					
		16 05	47	LR	EG					
		16 10	20	LM	EG					
262	15	05 42	42.0	37.7 N	022.0 E	.000	18.12	129.48		USCGS
		5 46	56	P	VE,EE		18.0			
		5 47	08	PP	EG					
		5 47	44	E	VG					
		5 49	45	E	EG					
		5 49	54	E	VG					
		5 50	32	SS	NE					
		5 52	44	LR	EG					
		5 52	56	LM	VG					
263	15	09 00	45.0	44.0 N	149.0 E	.000	80.61	25.01		USCGS
		9 13	01	P	VE,EE		80.0			
		9 13	26	E	VG					
		9 13	34	E	VG,EG					

9	13	41	E	EG
9	15	37	E	NG
9	22	58	S	EG
9	23	42	PS	VG
9	31	28	SSS	EG
9	37	00	LQ	EG
9	39	34	LR	EG

264	16	04	47	31.0	44.5 N	149.0 E	.000	80.15	24.82	USCGS
		5	30	36	LR	EG				
		5	34	50	LM	EG				
		5	35	12	LM	NG				

265	16	06	15	36.0	44.0 N	148.5 E	.004	80.47	25.35	USCGS
		6	59	01	LR	EG				
		7	03	06	LM	EG,NG				

266	16	17	44	48.0	16.0 S	172.0 O	.000	145.14	353.87	USCGS
		18	04	28	PKP	VE,NE		145.0		
		18	04	39	E	VG				
		18	07	45	PP	VG				
		18	26	47	SS	EG				
		18	52	00	LQ	NG				
		18	54	18	LQ	EG				
		18	59	11	LR	EG				
		19	05	52	LM	EG				
		19	13	36	LM	EG				

267	16	18	02	25.0	20.0 S	169.0 E	.000	146.92	27.15	USCGS
		18	22	11	PKP2	VE				
		19	18	07	LR	EG				
		19	25	44	LM	NG				

268	17	09	46	30.0	10.5 S	162.5 E	.000	135.94	31.77	USCGS
		10	38	27	L	EG				
		10	57	16	LR	EG				
		11	04	02	LM	NG				

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269	18	07 45	20.0	50.5 N	179.0 E	.000	78.88	3.48	USCGS
		7 27	11	LQ	NG				
		8 31	04	LR	EG				
		8 35	48	LM	EG				
		8 38	36	LM	NG				
270	18	18 33	00.0	44.0 N	149.0 E	.000	80.61	25.01	USCGS
		19 15	42	LR	EG				
		19 20	00	LM	NG				
		19 25	41	LM	NG				
271	19	05 18	52.0	43.5 N	148.5 E	.000	80.94	25.54	USCGS
		6 10	34	LM	EG				
272	19	09 23	51.0	44.0 N	149.0 E	.004	80.61	25.01	USCGS
		9 36	12	*PP	VG,EG				
		9 55	40	L	NG				
		10 01	08	LQ	EG				
		10 11	00	LR	EG				
		10 15	39	LM	NG				
273	20	05 36	33.0	52.0 N	159.5 E	.000	75.34	15.56	USCGS
		5 48	36	PCP	VG				
		5 58	46	PS	NG				
		6 14	46	LQ	EG				
		6 17	29	LR	NG				
		6 19	00	LR	EG				
		6 21	31	LM	NG				
		6 28	43	LM	VG				
274	20	14 18	04.0	45.0 N	149.5 E	.000	79.81	24.29	USCGS
		14 30	12	P	VE,EE				
		14 40	00	E	VG				
		14 40	44	SCS	NG				
		14 56	06	LQ	EG				
		15 02	56	LR	EG				
		15 07	22	LM	EG				

275	22	00 04	20.0	10.5 S	112.5 E	.000	109.46	82.57	USCGS
		1 10	28	LM	EG				
276	24	06 48	57.0	57.5 S	065.5 O	.000	122.22	216.75	USCGS
		7 51	38	LQ	EG				
		7 59	01	LR	EG				
		8 04	16	LM	EG				
277	25	02 23	56.0	43.0 N	000.3 E	.000	8.28	201.11	BCIS
		2 26	05	P	EG		8.4		
		2 26	27	E	EE, VG				
		2 26	44	PG	NG				
		2 28	09	S*	VG				
		2 28	25	E	EE				
		2 28	32	SG	EE, NE				
		2 28	37	LR	EE				
		2 28	48	LR	VG				
		2 28	56	LM	NE				
		2 29	21	LM	EG				
278	30	01 32	41.0	32.0 N	142.5 E	.000	89.56	34.50	USCGS
		1 45	42	P	VG				
		1 49	10	E	VG				
		1 56	44	S	EG				
		2 17	57	LQ	EG				
		2 29	14	LM	EG				
		2 31	26	LM	VG				
		2 32	25	LM	NG				
279	1	03 21	17.0	32.3 N	115.8 O	.000	81.80	312.34	USCGS
		4 02	42	LR	EG				
		4 09	36	LM	EG				
		4 23	15	LM	NG				
280	2	01 12	22.0	44.0 N	149.0 E	.000	80.61	25.01	USCGS
		1 55	33	LR	EG				

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		1 59 55	LM	EG					
281	3	09 48 26.0	19.0 N	121.5 E	.000	91.27	57.34		USCGS
		10 12 05	SKS	EG					
		10 18 35	SS	EG					
		10 34 35	LQ	EG					
		10 37 08	LR	NG					
		10 45 12	LM	VG					
282	4	19 19 23.0	11.5 N	086.5 O	.010	81.66	277.97		USCGS
		19 57 55	LQ	NG					
		20 04 44	LR	EG					
		20 05 20	LM	NG					
283	6	09 33 45.0	06.5 N	083.0 O	.000	83.28	272.08		USCGS
		9 55 48	E	EG					
		9 56 36	S	EG					
		9 57 30	PS	EG					
		10 05 35	SSS	EG					
		10 08 32	LQ	NG					
		10 10 31	LQ	NG					
		10 12 19	LR	EG					
		10 15 02	LR	EG					
284	7	01 09 18.0	21.5 N	121.0 E	.000	88.95	56.32		USCGS
		2 05 43	LM	NG					
285	7	02 45 49.0	04.0 N	127.0 E	.000	106.65	61.27		USCGS
		3 40 53	LR	EG					
		3 53 00	LM	EG					
		3 57 10	LM	EG					
286	7	06 21 46.0	02.5 S	147.0 E	.000	122.44	45.92		USCGS
		7 34 40	LM	EG					
		7 35 26	LM	NG					

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DECEMBRE

287	7	17 58	08.0	18.0 N	105.0 O	.000	87.78	296.07	USCGS
		18 21	40	S	NG				
		18 22	44	PS	EG				
		18 23	54	E	EG				
		18 27	28	SS	NG				
		18 36	10	LQ	EG				
		18 41	58	LR	NG				
		18 48	51	LM	EG				
288	8	12 08	33.0	44.0 N	149.5 E	.000	80.74	24.67	USCGS
		12 20	36	P	VE,EE				
		12 28	54	E	EG				
		12 30	57	SCS	EG				
		12 33	57	E	EG				
		12 45	46	LQ	NG				
		12 46	25	LQ	EG				
		12 52	14	LR	EG				
		12 54	26	LR	NG				
		12 56	08	LM	EG				
		13 01	01	LM	NG				
289	9	20 41	31.0	35.2 N	028.7 E	.000	23.49	122.23	BCIS
		20 54	33	LM	NG				
		20 57	18	LM	EG				
290	10	03 43	43.0	36.5 N	071.5 E	.018	48.91	79.76	USCGS
		3 52	20	P	VG				
		3 52	36	E	VG				
291	10	07 02	59.0	37.0 S	176.5 E	.042	165.08	25.17	USCGS
		7 22	30	PKP1	VE,VG	.042	165.0		
		7 23	18	E	VG				
		7 23	30	/PKP2/	VE,VG				
		7 23	40	*PPKP1	VE,VG				
		7 24	17	E	VG				
		7 26	15	E	VE				
		7 27	15	PP	NE				
		7 27	22	E	EE				

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		7 31 09	PPP	VE, VG						
		7 31 36	E	VG						
		7 53 21	E	VG						
		7 53 53	SSS	EG						
		7 59 48	E	EG						
292	10	21 49	20.0	24.5 N	109.0 0	.000	84.77	302.93		USCGS
		22 20 46	L	EG						
		22 24 25	LQ	NG						
		22 28 49	LR	EG						
		22 32 57	LR	NG						
		22 35 42	LM	NG						
293	14	07 11	28.0	35.0 S	108.5 0	.000	130.02	261.28		USCGS
		8 23 40	LR	EG						
		8 24 33	LR	NG						
294	15	11 46	25.0	44.5 N	149.0 E	.004	80.15	24.82		USCGS
		12 31 36	LM	NG						
295	17	15 34	15.0	28.5 N	127.5 E	.000	86.38	47.56		USCGS
		16 21 14	LQ	EG						
		16 24 15	LR	EG						
		16 30 01	LM	NG						
		16 33 44	LM	NG						
296	18	19 23	53.0	16.0 S	173.0 0	.000	145.20	355.55		USCGS
		19 43 36	PKP	VE, NE						
297	19	03 27	24.0	37.7 N	029.5 E	.000	22.11	116.60		BCIS
		3 39 31	M	EG						
298	19	11 14	40.0	16.0 S	072.0 0	.010	93.87	249.49		USCGS

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DECEMBRE

		12	01	07	LR	EG					
299	20	19	20	43.0	28.5 N	127.5 E	.000	86.38	47.56		USCGS
		20	07	36	LQ	EG					
		20	10	40	LR	EG					
		20	14	56	LM	NG					
		20	16	40	LM	VG,NG					
300	21	05	46	26.0	44.5 N	081.0 E	.000	49.78	65.59		USCGS
		5	55	25	P	VE,EE		49.8			
		5	55	38	E	VG					
		5	56	51	E	VG					
		5	57	17	PP	VG					
		5	58	50	E	VG					
		6	02	28	S	EG					
		6	06	00	SS	EG					
		6	11	46	LR	EG					
		6	12	36	LR	VE					
		6	12	55	LM	EE					
		6	14	26	M	VG					
301	25	08	05	38.0	05.5 S	151.0 E	.004	126.89	43.20		USCGS
		8	24	44	PKP	VE	.000	127.0			
		8	24	55	*PPKP	VG					
		8	25	48	E	VG					
		8	26	41	PP	VG					
		8	37	06	E	EG					
		8	38	17	SPP	NG					
		8	48	34	SSS	NG					
		8	52	34	E	EG					
		9	04	58	LQ	EG					
		9	11	18	LR	NG					
		9	21	22	LM	VG					
302	28	05	34	36.0	29.5 N	080.0 E	.000	58.87	80.32		USCGS
		5	44	36	P	VE					
		5	52	40	S	NG					
		6	04	19	LQ	NG					
		6	06	24	LR	EG					
		6	11	20	LM	EG					

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303	28	11 46	56.0	71.5 N	007.5 0	.000	21.44	349.68	USCGS
		11 51	46	P	NG		21.2		
		11 52	10	PP	VG				
		11 52	15	PPP	EG				
304	31	01 45	52.0	23.5 S	178.5 0	.057	152.65	5.72	USCGS
		2 05	09	PKP2	NG				
		2 05	17	E	NS				
		2 22	14	/PPS/	NG				