

**OBSERVATOIRE ROYAL DE BELGIQUE
KONINKLIJKE STERRENWACHT VAN BELGIE**

BULLETIN D' OBSERVATIONS : SEISMOLOGIE

WAARNEMINGSBERICHTEN : SEISMOLOGIE

BULLETIN SEISMIQUE

Station : Uccle

ANNEE 1964

Section - Géodynamique

Sectie - Geodynamica

Mars 1971

BULLETIN SEISMIQUE

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INTRODUCTION

Coordonnées géographiques de la Station.

Latitude : 50°47'54" N. Longitude : 4°21'34" 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 1964, les séismographes ont fonctionné sans interruptions

Constantes approximatives des séismographes Galitzine :

E-W	$T_1 = 24^{\circ},5$	$l = 123,8$ mm	$A_1 = 1040$ mm
	$T = 21^{\circ},8$	$\mu = + 0,2$	$k = 38$
N-S	$T_1 = 24^{\circ},5$	$l = 124,7$ mm	$A_1 = 1040$ 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 1964, la température a varié entre 14,1° et 17,1°C et le degré d'humidité a été maintenu à 60 %.

Analyse des séismogrammes et bulletins. - En 1964, 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 Tablette 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)
 (...) : 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	01	17 26 43.5	45.4 N	151.9 E	.002	80.22	22.57	USCGS
		17 38 55	P	VG		80.2		
		17 49 00	S	EG				
		18 02,5	LQ	EG				
		18 10,5	M	EG				
		18 13,5	M	EG				
2	03	17 20 54.0	52.8 N	173.1 E	.000	76.43	7.01	USCGS
		17 54,5	LQ	VG				
3	03	21 24 56.3	20.4 S	178.2 O	.076	149.61	4.75	USCGS
		21 43 48	PKP	VG				
4	05	16 25 52.6	61.4 S	154.9 E	.000	160.55	134.50	USCGS
		17 30,5	LQ	EG				
		17 55,5	M	EG				
		18 00,5	M	EG				
5	06	23 46 10.7	52.3 S	028.6 E	.000	104.65	164.89	USCGS
		4 34	PP	EG				
		14 49	PPS	EG				
		19 16	SS	EG				
		32,0	LQ	EG				
		40,5	M	EG				
6	06	05 54 42.7	27.2 N	127.3 E	.012	87.51	48.43	USCGS
		6 07 18	P	VG				
		6 42,6	LM	EG				
7	06	15 07 09.6	44.2 N	082.6 E	.000	50.97	65.05	USCGS
		15 16 26	/*SP/	VG				
8	06	23 45 23.4	50.9 N	157.3 E	.000	76.18	17.26	USCGS
		23 57 09	IP	VG				
		24 10,5	L	EG				
		24 19,5	LR	EG				
		24 26,5	LM	EG				
9	08	22 30 49.7	03.7 S	119.4 E	.009	108.46	72.46	USCGS

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23 39,0

LM

EG

10	09	03 10	58.3	44.3 N	114.6 O	.000	71.56	318.51	USCGS
		3 46,5		LR	NG				

11	09	18 31	52.4	45.5 N	150.9 E	.001	79.88	23.20	USCGS
		18 43	57	P	VG	.000	79.8		
		18 44	01	P	EG				
		18 44	10	PCP	VG				
		18 54	00	S	EG				
		18 54	12	SKS	EG				
		18 54	22	SCS	EG				
		18 54	43	PS	EG				
		18 59	18	SS	EG				
		18 59,5		L	NG				
		19 16,5		M	NG				
		19 21,9		M	NG				
		19 24,9		M	NG				

12	10	04 50	53.4	42.0 N	142.6 E	.000	80.73	30.21	USCGS
		5 03	04	P	VG				
		5 13	31	SCS	EG				
		5 14	14	PPS	EG				
		5 19,5		LQ	NG				
		5 29,2		LR	NG				
		5 30,0		LR	EG				
		5 34,5		MR	EG,NG				
		5 39,5		M	NG				

13	12	06 00	13.2	53.2 N	166.3 O	.000	76.17	354.23	USCGS
		6 12	00	P	VG	.000	76.0		
		6 21	38	S	EG				
		6 22	09	SCS	EG				
		6 32,5		LQ	EG				
		6 46,5		LM	EG				

14	15	21 36	05.0	29.1 N	140.8 E	.006	91.69	37.11	USCGS
		21 49	07	P	VG	.003	92.0		
		21 52	47	PP	VG				
		21 59	35	SKS	VG				
		22 00	01	S	EG				
		22 00	17	SCS	VG				
		22 01	10	PS	EG				
		22 16,5		LQ	EG				

		22 24,5		M		EG				
		22 30,5		M		EG				
15	17	02 54 26.8		21.6 S		169.9 E	.000	148.72	26.59	USCGS
		4 27,5		L		EG				
16	18	12 04 40.0		23.1 N		120.5 E	.000	87.49	55.83	USCGS
		12 17 26		IP		VG	.000	87.6		
		12 17 33		*PP		VG				
		12 21 05		PP		VG				
		12 23 03		PPP		VG				
		12 27 56		SKS		EG				
		12 28 01		SKKS		EG				
		12 28 07		S		EG				
		12 29 06		PS		VG				
		12 29 37		PPS		VG				
		12 34 18		SS		EG				
		12 41,5		LQ		EG				
		12 49,5		L		EG				
		12 51,5		MR		NG				
17	20	17 08 37.4		20.7 S		169.9 E	.017	147.87	26.08	USCGS
		17 28 05		PKP		VG,EG	.015	148.0		
		17 28 41		*PPKP		EG				
		17 29 04		*SPKP		EG				
		17 32 03		PKS		VG				
		17 50 43		/SS/		VG,EG				
		17 57 24		/SSS/		EG				
		18 10,0		LQ		EG				
		18 19,5		LM		EG				
		18 29,5		LM		EG				
18	21	22 18 13.0		10.6 N		125.3 E	.000	100.33	59.00	USCGS
		23 11,5		LR		EG				
19	23	23 59 43.6		13.7 S		165.9 E	.000	140.08	28.66	USCGS
		19 12		/PKP/		VG	.000	140.0		
		22 07		PP		VG				
		22 32		/*SPPY		EG				
		22 43		PKS		VG				
		25 13		PPP		VG				
		32 35		PS		VG				
		40 34		SS		EG				
		1 01,5		LQ		EG				

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1 15,5 LM EG

20	23	17 05 48 17 05 51	PG SG	EG EG	.80			
21	24	17 17 45.5 17 28 38 18 03,0	38.7 N P L	129.4 E VG EG	.080	78.74	40.79	USCGS
22	26	09 09 33.9 9 22 39 9 33 05,5 9 33 36	16.3 S P ISKS S	071.7 O VG EG VG	.013 .010	93.85 93.5	249.11	USCGS
23	27	01 12 23.5 1 22 07 1 29 32 1 34 39	00.0 N E PS SSS	017.9 O VG VG EG	.000	53.98	207.91	USCGS
24	28	05 43 22.1 6 47,5	06.3 S LR	148.7 E EG	.000	126.62	46.24	USCGS
25	28	14 09 12.0 14 17 39 14 18 22 14 18 44 14 18 57 14 19 36 14 20 11 14 20 32 14 23 00 14 24 30 14 25 05 14 28,0 14 30,0	36.0 N IP I*PP I*SP IPCP PP *SPP PPP PCS S PPS LR LQ	071.6 E VG VG,EG EG EG VG,EG VG EG VG,EG VG,EG VG,EG VG EG	.029 .025	49.36 49.5	80.22	BCIS
26	30	17 45 42.0 17 50 54 17 51 29	36.5 N P /PP/	030.5 E VG,EG EG	.000	23.54 23.6	117.30	BCIS

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		17 51 36	PPP	VG,EG					
		17 55 01	S	EG					
		17 57,0	LQ	EG					
		18 00,0	MQ	EG					
27	02	08 54 48.3	24.2 N	122.6 E	.000	87.68	53.62		USCGS
		9 40,0	LR	EG					
		9 49,5	MR	EG					
28	05	11 30 15.7	36.5 N	141.0 E	.002	85.14	33.73		USCGS
		11 42 41	P	VG					
		12 05,5	L/Q/	EG					
		12 15,0	M	EG					
		12 20,5	MR	NG					
29	06	13 07 25.2	55.7 N	155.8 O	.000	72.68	348.38		USCGS
		13 18 52	P	VG,EG	.000	73.0			
		13 18 53	IP	VG					
		13 18 54	P	VE,EE					
		13 18 54	IP	VE,EE,					
		13 21 30	PP	VE					
		13 28 18	S	EG					
		13 28 19	IS	EE					
		13 28 37	/SP/	VG					
		13 33 01	SS	EG					
		13 36 24	SSS	EE					
		13 42,3	LR	EE					
		13 44,0	LR	EG					
		13 47,2	MR	VE					
		13 50,8	M	VE					
30	06	19 08 57.8	24.0 N	126.4 E	.000	89.76	50.83		USCGS
		19 58 00	M	EG					
31	07	12 58 53.6	39.8 N	142.8 E	.002	82.78	31.01		USCGS
		13 11 29	PCP	VG					
		13 42,6	LM	EG					
32	12	20 31 53.2	03.5 S	146.6 E	.000	123.19	46.93		USCGS
		21 30,5	LR	EG					

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33	14	16 29	45.0	05.1 S	151.7 E	.003	126.89	42.24	USCGS
		16 48	47,7	PKP	VG				
		17 09	13,7	/SS/	EG				
		17 29,6		LQ	EG				
		17 46,6		MR	EG				
34	17	12 19	01.0	46.9 N	008.2 E	.000	4.65	145.51	BCIS
		12 20	12	PN	EE,NE		4.5		
		12 20	26	/PG/	NE				
		12 21	04	SN	NE,VG				
		12 21	18	S*	EE				
		12 21	25	SG	EG				
		12 21	33	MR	VE,EG				
		12 21	40	IMR	VG,EG				
35	20	09 53	51.1	44.6 N	150.0 E	.003	80.49	24.14	USCGS
		10 37,0		LR	EG				
36	21	17 14	45.0	38.3 N	028.7 O	.000	26.43	254.64	USCGS
		17 27,0		LQ	EG				
37	23	22 41	04.0	39.1 N	024.1 E	.000	18.16	122.50	BCIS
		22 45	32	PP	EG				
		22 48	33	S	EG				
		22 50,0		LR	EG				
		22 51,0		LM	EG				
38	27	15 10	48.4	21.7 N	094.4 E	.011	73.51	75.89	USCGS
		15 22	25	P	VG,EG	.010	74.0		
		15 22	40	*PP	VG,EG				
		15 25	14	PP	EG				
		15 26	58	PPP	VG,EG				
		15 28	04	PPPP	EG,NG				
		15 32	58	S	EG				
		15 41,0		LQ	EG				
		15 52,0		LM	EG				
39	29	15 20	12.8	34.8 N	141.7 E	.000	86.91	33.95	USCGS
		16 05,0		LR	VG,EG				
		16 10,0		MR	VG				
		16 14,0		MR	VG				

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40	04	00 48 09.0 58,0	44.1 N LQ	030.4 O EG	.000	24.28 267.58	USCGS
41	04	02 58 29.2 3 10,0	43.6 N LQ	028.9 W EG	.000	23.53 265.20	USCGS
42	08	01 35 48.1 3 13,0	44.0 S LM	168.4 E EG	.000	167.14 63.96	USCGS
43	10	13 59 54.8 14 54,0	01.9 N LR	127.5 E EG	.013	108.71 62.10	USCGS
44	11	01 06 00.4 2 00,0	01.8 N LR	127.1 E EG	.004	108.57 62.50	USCGS
45	11	19 19 06.2 19 20 46 19 21 33 19 21 45	46.9 N /PG/ S* SG	008.3 E EG VG,EG VG	.000	4.69 144.80 4.8	BCIS
46	12	03 55 14.0 4 48,0	23.4 N LM	121.6 E EG	.000	87.82 54.83	USCGS
47	12	22 32 56.7 23 19,9	15.5 N LR	122.9 E EG	.000	94.90 58.19	USCGS
48	14	02 37 22.0 2 38 34 2 38 45 2 38 52,9 2 39 26,5 2 39 51,1 2 40 03,9 2 40 24	46.9 N PN P* PG SN SG IL IM	008.3 E VE,EE,NE VE VG VG,EG EG VG EG	.000	4.69 144.80 4.5	BCIS
49	14	15 12 22.4	15.9 N	060.5 W	.000	61.92 260.65	USCGS

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		15	37,0		LQ	EG					
		15	44,0		M	EG					
50	14	16	36	52.1	01.9 S	012.9 O	.000	54.48	201.35		USCGS
		17	07,0		LM	EG					
51	15	22	30	28.0	36.0 N	007.5 O	.000	17.08	214.56		BCIS
		22	34	21	P	EE,NE	.000	17.0			
		22	34	28	IP2	VG,EG					
		22	34	38	PP1	VG,EG					
		22	34	44	PP2	EG					
		22	37	33	S1	VE,EG					
		22	37	38	IS2	EG					
		22	37	54	SS	EG					
		22	38	09	SSS	EG					
		22	39,5		M	EG					
52	18	04	37	26.9	52.5 N	153.6 E	.064	73.93	19.00		USCGS
		4	48	17	P	VE,VG	.064	74.0			
		4	49	48	/*PP/	VG					
		4	51	15	/PP/	VG					
		5	00	01	/*SS/	EG					
		5	04,5		LM	EG					
53	19	09	42	34.9	14.7 N	056.3 E	.000	54.98	111.56		USCGS
		10	09,5		LR	EG					
54	19	21	44	03.8	15.1 S	172.6 O	.000	144.33	354.96		USCGS
		22	03	41	PKP	VG,EG	.000				
		22	03	50	*PPKP	EG					
		23	00	00	L	EG					
55	21	03	42	19.6	06.4 S	127.9 E	.052	115.67	66.85		USCGS
		4	00	24	PKP	EG	.050	116.0			
		4	01	40	*PPKP	VG,EG					
		4	06	37	SKS	EG					
		4	10	29	SP	EG					
		4	11	11	/PS/	EG					
		4	11	33	SPP	VG					
		4	17	12	SS	VG					
		4	26,0		LM	EG					

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56	21	15 08 14.3 15 57,5	18.7 N LM	103.1 O EG	.008	86.22 295.02	USCGS
57	22	08 35 06.4 9 34,0	35.7 N LM	072.9 W EG	.000	55.67 286.17	USCGS
58	25	15 32 26.0 15 52 13	20.1 S PKP	168.8 E EG	.000	146.98 27.57	USCGS
59	26	13 29 56.2 14 21,0 14 32,0	04.4 S LR M	104.7 W EG EG	.000	105.33 282.19	USCGS
60	28	03 36 12.7 3 47 02 3 47 30 3 49 29 3 51 05 3 55 53 3 56 14 3 59 59 4 03 55 4 08 31 4 08 41	61.1 N IP IPCP IPP IPPP S IPS /SS/ LQ LR MQ	147.6 O EE,NE,VG VG,EG NE,EG NE EE NE NE NE EE NE	.000 .000	66.29 345.55 66.6	USCGS
61	28	10 35 38.9 10 46 54	57.2 N P	152.4 O VE	.000	70.76 346.84	USCGS
62	28	12 20 49.8 12 32 11 12 41 31	56.5 N P S	154.0 O VE,VG EG	.000 .000	71.66 347.55 72.0	USCGS
63	28	14 47 37.1 14 58 26 15 07 13 15 19 37	60.4 N P S LQ	146.5 O VE EG EG	.000	66.77 344.74 66.0	USCGS
64	28	20 29 08.0	59.8 N	148.7 O	.001	67.70 345.66	USCGS

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20 40 02	P	VG	.000	67.8
20 42 34	PP	VG		
20 49 02	S	EG		
20 57,0	LM	EG		

65	29	06 04 44.5	56.1 N	154.3 0	.000	72.10	347.62	USCGS
		6 16 07	P	VG	.000	72.0		
		6 25 25	S	EG				
		6 36,0	LM	EG				

66	29	16 40 57.9	59.7 N	147.0 0	.000	67.52	344.74	USCGS
		16 51 54	P	VG		67.5		
		17 00 57	S	EG				
		17 08 48	/SSS/	EG				
		17 13,3	LM	EG				

67	29	19 12,0	LM	EG				
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68	30	02 18 06.3	56.6 N	152.9 0	.000	71.41	346.96	USCGS
		2 29 27	P	VE	.000	72.0		
		2 38 45	S	EG				
		2 43 33	SS	EG				
		2 46 55	SSS	EG				
		2 48,5	LM	VE				

69	30	07 09 34.0	59.9 N	145.7 0	.000	67.11	344.14	USCGS
		7 20 28	P	VG		67.0		
		7 29 25	S	EG				
		7 41,6	LM	EG				

70	30	08 53 17.9	56.3 S	153.1 W	.000	165.48	238.85	USCGS
		9 49,0	L	EG				

71	30	13 03 34.9	56.5 N	152.7 0	.000	71.48	346.82	USCGS
		13 24 16	S	EG				
		13 32,0	LM	EG				

72	30	16 09 28.4	56.6 N	152.1 0	.000	71.30	346.51	USCGS
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		16	20	46	P	VG	.000	71.5		
		16	30	05	S	EG				
		16	39,6		LM	EG				
73	31	00	14	11.7	45.3 N	151.0 E	.004	79.92	23.18	USCGS
			26	16	P	VG				
			51,0		L	EG				
74	31	09	01	30.2	50.8 N	130.2 O	.018	71.73	331.55	USCGS
			9	12	55	P	VG	.000	72.6	
			9	22	18	S	EG			
			9	35,0		L	EG			
			9	39,0		LM	EG			
75	31	11	53	14.4	56.5 N	152.3 O	.000	71.42	346.59	USCGS
			12	23,0		LQ	EG			
76	01	03	27	17.2	57.2 N	151.3 W	-.002	70.42	346.25	USCGS
			3	53,0		L	EG			
77	02	01	11	55.0	05.9 N	095.7 E	.016	86.28	85.24	USCGS
			1	24	30	P	VG,EG	.010	87.0	
			1	25	06	*SP	EG			
			1	27	57	PP	VG			
			1	35	08	SCS	EG			
			1	35	32	*PSCS	VG			
			1	50,0		L	EG			
			2	00,7		M	EG			
78	02	15	56	52.6	05.8 N	125.8 E	.016	104.50	61.26	USCGS
			16	55,0		LM	EG			
79	02	22	34	31.7	59.8 N	144.3 O	.000	66.95	343.39	USCGS
			22	54	23	S	EG			
			23	12,5		L	EG			
80	03	08	46	27.0	57.9 N	150.5 O	.000	69.80	346.00	USCGS
			9	14,0		LQ	EG			

81	03	22 33 42.2	61.6 N	147.6 O	.001	65.81 345.73	USCGS
		22 44 27	P	VG,EG	.000	65.8	
		22 53 09	S	EG			
		23 00,0	L	EG			
		23 11,0	M	EG			
82	04	04 54 01.9	60.1 N	146.7 O	.001	67.09 344.73	USCGS
		5 04 52	P	VG	.000	66.2	
		5 13 52	*SS	EG			
		5 18 03	SS	EG			
		5 25,0	L	EG			
		5 33,0	M	EG			
83	04	08 40 29.8	56.5 N	152.6 O	.000	71.47 346.76	USCGS
		8 51 52	P	VG,EG		71.6	
		9 01 04	S	EG			
84	04	09 10 55.1	56.9 N	152.7 O	.000	71.09 346.93	USCGS
		9 22 13	P	VE			
		9 52,0	LM	VG			
85	04	17 46 08.6	56.3 N	154.4 O	.000	71.91 347.73	USCGS
		17 57 30	P	VE,EG	.000	72.0	
		18 06 52	S	VG			
		18 07 15	PS	VE			
		18 22,0	LR	VG			
		18 29,5	M	VE			
86	04	17 59 43.3	56.4 N	154.5 O	.000	71.83 347.81	USCGS
		18 11 06	P	VG	.000	72.0	
		18 20 24	S	EE,VG			
87	04	22 16 54.5	59.4 N	145.2 O	.000	67.49 343.70	USCGS
		22 28 06	P	VG			
88	05	01 22 13.3	56.2 N	153.5 O	.000	71.89 347.19	USCGS
		1 33 34	P	VG	.000	72.0	
		1 33 39	*PP	EE,EG			

		1 42 56	IS	EE, VG					
		2 05,0	LM	VE					
89	07	13 18 18.9	00.1 N	123.2 E	.018	107.67	66.86	USCGS	
		14 11,5	LR	EG					
90	08	10 58 09.1	45.8 N	150.8 E	.001	79.40	23.13	USCGS	
		11 10 14	P	EG					
		11 29,5	LQ	VG					
		11 33,0	LR	VG					
		11 48,0	MR	EG					
91	08	14 12 33.0	35.3 N	024.3 E	.011	21.16	129.41	BCIS	
		14 17 09	P	VG	.010	21.0			
		14 21 14	*PS	EG					
		14 25,0	L	EG					
92	08	19 50 16.8	60.4 N	145.9 O	.000	66.67	344.43	USCGS	
		20 01 13	P	EG					
93	08	19 33 19.0	59.6 N	147.0 O	.000	67.61	344.70	USCGS	
		20 13,0	LM	EG					
94	09	04 15 23.0	13.5 N	089.9 W	.009	82.25	281.84	USCGS	
		5 00,0	LM	EG					
95	09	13 06 15.2	59.6 N	146.1 O	.000	67.46	344.24	USCGS	
		13 43,0	LM	EG					
96	09	21 54 42.1	18.5 S	071.5 W	.001	95.53	247.57	USCGS	
		22 44,0	L	EG					
97	10	01 08 00.2	58.4 N	150.6 O	.000	69.34	346.21	USCGS	
		1 45,0	LM	EG					

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98	10	19 05 52.6 19 45,0	59.7 N LM	148.2 O EG	.000	67.72 345.36	USCGS
99	10	21 44 06.7 21 55 07 22 04 03 22 14,0	60.1 N P S L	153.7 O VG EG EG	.000	68.13 348.36 67.8	USCGS
100	11	16 00 39.0 16 04 50 16 08 14 16 08,5 16 10,9	40.0 N P S LR MR	025.3 E EG VG,EG VG VG,EG	.000	18.18 118.35 18.0	BCIS
101	12	01 24 31.2 1 35 50 1 45 07 1 49 39 1 53,7 1 58,0 2 06,8	56.6 N P S SS LQ LR M	152.2 O VG EG EG EG EG EG	.000 .000	71.31 346.56 71.5	USCGS
102	12	12 48 02.2 13 34,0	56.6 N L	151.3 W EG	.000	71.00 346.08	USCGS
103	13	08 30 05.0 8 32 38 8 34 44 8 35,0 8 37,0	45.3 N P S LR MR	018.2 E EG EG EG EG	.000	10.77 115.37 10.8	BCIS
104	13	12 25 36.0 12 56,0	59.4 N L	143.9 W EG	.001	67.08 343.04	USCGS
105	13	16 14 06.3 16 56,0	56.6 N L	152.1 W EG	.000	71.12 346.52	USCGS
106	13	21 43 16.5	59.4 N	143.1 W	.000	66.93 342.63	USCGS

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AVRIL

		22 21,0	L	EG					
107	14	22 55 31.3 23 06 16 23 25,0	58.0 N E L	152.6 O VG EG	.000	70.01	347.18	USCGS	
108	15	15 30 47.1 15 42 08 15 51 31 16 00,0 16 13,6	56.5 N P S L M	154.4 O VG EG EG EG	.000 .000	71.72 72.0	347.78	USCGS	
109	16	19 26 57.4 19 38 20 19 47 37 19 56,0 20 10,5	56.4 N P S L M	152.9 O VG,EG EG EG EG	.000 .000	71.61 72.0	346.90	BCIS	
110	17	04 49 30.5 5 00 53 5 10 12 5 18,7	56.4 N P S LQ	152.9 O VG EG EG	.000 .000	71.61 72.0	346.90	USCGS	
111	18	05 27 44.6 6 04,0	45.5 N L	151.1 E EG	.000	79.93	23.07	USCGS	
112	18	07 58 26.9 8 47,0	29.0 N L	129.8 E EG	.000	87.15	45.61	USCGS	
113	18	20 16 16.3 20 37,0	56.1 N S	153.7 O EG	.000	72.01	347.28	USCGS	
114	19	05 13 01.6 6 15,0	41.7 S L	083.9 W EG	.000	119.85	239.62	USCGS	
115	19								

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AVRIL

15 00,0 L EG

116	20	11 56 41.6 12 24,0	61.4 N L	147.3 O EG	.000	65.96 345.51	USCGS
117	22	09 46 54.2 9 52 08 9 57,0 9 59,0	56.1 N P L M	034.9 O VG,EG EG EG	.000	23.74 298.22	BCIS
118	23	01 51 10.6 2 36,0	32.1 N L	138.7 E EG	.000	88.05 37.36	USCGS
119	23	03 32 50.3 3 51 38 3 53 01 4 04 13 4 09 13 4 24,2 4 36,1 5 41,8	05.3 S PKP PP PPS SS L M W2	134.0 E VG EG EG EG EG EG EG	.000 .000	118.25 60.56 119.0	USCGS
120	23	14 23 43.2 14 40,0	36.9 N LM	037.9 E EG	.004	27.62 107.18	USCGS
121	24	03 51 05.0 4 28,0	59.5 N L	144.5 O EG	.000	67.27 343.37	USCGS
122	24	05 56 10.1 6 15 02 6 16 58 6 19 39 6 28 28 6 45,0 6 55,0	05.1 S PKP PP PPP PPS LQ M	144.2 E VG VG VG VG EG EG	.011 .010	123.43 50.35 124.5	USCGS
123	25	18 37 58.1 19 24,0	24.4 N L	125.3 E EG	.000	88.88 51.46	USCGS

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AVRIL - MAI

124	27	06 44 25.1 7 28,0	60.1 S E	151.0 E EG	.000	159.05 129.34	USCGS
125	29	17 00 02.0 17 04 /14/ 17 09,0	39.0 N P L	024.3 E EG EG	.000	18.34 122.35	BCIS
126	30	16 03 31.4 17 00,0	04.6 S L	153.2 E EG	.007	127.01 40.24	USCGS
127	02	16 11 00.2 16 23 06 16 23 10 16 23 26 16 26 04 16 27 54 16 29 14 16 32 59 16 41 20 16 46,0 16 54,5 16 57,0	45.5 N P IPCP *PP PP PPP PPPP S SSS LQ LR MR	150.3 E VG VG,EG VG,EG VG VG VG EG EG EG VG EG	.000 .000	79.73 23.60 79.5	USCGS
128	06	08 10 47.5 9 21,0	11.1 S L	162.2 E EG	.001	136.44 32.50	USCGS
129	06	15 26 35.5 15 37 57 15 47 13 16 00 16 09,0	56.7 N P S L MR	152.1 O VG VG EG VG,EG	.000	71.20 346.54 71.0	USCGS
130	07	05 45 30.0 5 55 39 5 57 55 6 03 54 6 04 13 6 10,0 6 16,0	03.9 S P PP S PPS L M	034.9 E VG,EG EG EG EG VG,EG VG	.000	60.40 144.35 59.9	BCIS

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MAI

131	07	07 58	14.3	40.4 N	139.0 E	.000	80.95	33.39	USCGS
		8 10	26	IP	VG,EG		80.6		
		8 10	27	IP	VE,EE				
		8 13	37	PP	VE,VG				
		8 15	22	PPP	VE				
		8 20	33	S	EG				
		8 20	42	ISKS	EE,VG,EG				
		8 20	44	SS	EG				
		8 33,5		L	EG				
		8 38,5		LR	VE				
		8 40,0		M	EE				
		8 41,9		M	EG				
		8 45,0		MR	VG				
		8 46,0		MR	VE,EE				
132	07	20 12	49.3	40.5 N	139.0 E	.000	80.86	33.34	USCGS
		20 25	01	IP	VG	.000	81.0		
		20 35	10	S	EG				
		20 48,0		LQ	EG				
		20 56,4		M	NE,EG				
133	08	16 21	49.8	56.7 N	154.0 O	.000	71.47	347.60	USCGS
		17 00,0		LM	EG				
134	08	21 34	40.6	60.8 N	143.6 O	.000	65.89	343.43	USCGS
		22 12,0		LM	EG				
135	09	23 40	44.1	52.2 N	169.5 O	.000	77.34	356.13	USCGS
		23,0		LM	EG				
136	09	02 02	28.8	52.2 N	169.6 O	.000	77.35	356.19	USCGS
		2 51,0		LM	EG				
137	12	18 16	41.9	56.6 N	152.4 O	.000	71.34	346.68	USCGS
		18 28	05	P	VE,VG,EG		71.3		
		18 37	23	S	EG				
		18 50,0		LR	EG				
		18 59,0		M	EG				
138	13	05 25	26.1	32.8 S	178.3 O	.000	161.91	7.23	USCGS

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MAI

		6 53,0 6 56,7	LR M	VE EE					
139	13	13 46 22.0 13 54,2	35.4 N L	001.9 O EG	.000	16.04	198.80		BCIS
140	15	10 50 21.0 11 50,0 12 01,0	03.5 S LR M	149.1 E EG EG	.002	124.33	44.25		USCGS
141	16	16 07 46.2 17 39,0	32.8 S LM	178.3 O EG	.000	161.91	7.23		USCGS
142	17	00 50 17.9 1 01 09 1 10 07 1 20,0 1 31,0	59.4 N P S LQ M	142.7 O VG EG EG EG	.000	67.03 68.0	342.40		USCGS
143	17	19 26 20.0 19 32 53 19 34 01 19 38 11 19 41,0 19 43,4	35.0 N P PP S LR IMR	035.0 O VE EG VE,EG VG,EG EE,EG	.000	32.42 32.4	256.17		BCIS
144	18	14 12 10.1 14 32 02 15 40,0	21.2 S PKP LM	174.5 O EG EG	.000	150.46	357.84		USCGS
145	19	06 09 04.1 6 20,0	77.7 N LQ	018.3 E EG	.000	27.54	6.42		USCGS
146	19	10 39 24.8 11 25,0	45.5 N LM	150.3 E EG	.000	79.73	23.60		USCGS
147	19	23 03 41.8	00.7 S	080.2 W	.003	87.03	265.34		USCGS

23 16 22	P	VG	87.0
23 26 59	S	EG	
23 27 08	SCS	VG	
23 41,0	LQ	EG	
23 47,7	M	EG	

148	20	06 01 14.8	32.7 N	139.3 E	.005	87.75	36.64	USCGS
		7 20,0	L	EG				

149	21	15 36 01.5	59.0 N	153.5 W	.000	68.99	347.96	USCGS
		16 04,0	L	EG				

150	22	12 11 49.3	41.9 N	112.1 W	.000	72.26	315.50	USCGS
		13 16,0	L	EG				

151	24	04 13 05.3	22.6 S	174.1 O	.000	151.84	356.98	USCGS
		4 32 54	PKP	VG				
		5 35,0	LM	EG				

152	24	10 31 24.1	34.3 N	141.1 E	.000	87.14	34.62	USCGS
		10 44 08	P	VG,EG	.000			
		10 44 18	*PP	VG,EG				
		11 17,0	LR	EG				
		11 20,0	LM	EG				

153	25	19 44 07.0	09.1 S	088.9 E	.000	93.46	99.94	USCGS
		20 28	LR	EG				
		20 42,5	M	EG				

154	26	10 59 12.3	56.2 S	027.8 O	.014	109.82	198.45	USCGS
		11 13 37	P	VE,NE,VG		109.0		
		11 17 45	PKP	VE				
		11 18 06	*PPKP	VE				
		11 18 31	PP	VE,VG				
		11 24 01	SKS	VG				
		11 24 41	SKS	VE,EE				
		11 25 03	SKKS	NE				
		11 27 30	SP	VE				
		11 27 40	PS	EE				
		11 28 18	/*SSP/	EE				

		11 32 58	PCPPKP	EE					
		11 37 11	PKPPKP	EE					
		11 43,4	L	EE					
		11 56,8	M	EE					
		11 58,9	M	VE,NE					
155	28	01 56 58.9	24.5 N	122.0 E	.001	87.13	53.91		USCGS
		2 40,0	LR	VG					
		2 44,0	M	EG					
156	28	12 33 10.2	00.8 S	024.7 W	.000	57.07	215.33		USCGS
		12 52,0	L	VG					
		13 04,5	M	EG					
157	29	05 08 02.2	44.7 N	149.4 E	.003	80.24	24.50		USCGS
		5 55,0	LM	EG					
158	29	10 17 34.5	60.2 N	146.3 O	.000	66.93	344.56		USCGS
		10 28 29	P	VG		67.0			
		10 37 25	S	EG					
		10 48,0	LQ	EG					
		10 57,0	M	EG					
159	30	14 30 45.3	36.2 N	141.1 E	.003	85.44	33.79		USCGS
		14 43 18	*PP	VG	.005	85.0			
		14 46 41	/PP/	EG					
		14 53 40	SKS	EG					
		14 54 08	*SSKS	EG					
		14 54 52	/PS/	VG					
		15 09,0	L	EG					
		15 16,2	M	EG					
160	31	00 40 36.4	43.5 N	146.8 E	.002	80.64	26.72		USCGS
		52 45	IP	VG		79.4			
		52 54	PCP	VG					
		55 49	PP	VE,VG					
		1 02 46	IS	EE,EG					
		1 03 03	SCS	VG					
		1 03 48	SPP	EG					
		1 15,0	G	EG					
		1 18,0	L	EG					
		1 20,2	M	EG					

1	22,0	LR	EG
1	24,9	M	EG
1	31,0	MR	VE

161	31	17 15 26.8	13.6 S	172.1 E	.006	141.60	19.41	USCGS
		17 34 50	PKP	VG				
		17 38 03	PP	VG				

162	04	02 57 07.6	36.4 N	069.3 E	.000	47.67	81.38	USCGS
		3 26,0	LM	EG				

163	04	04 28 54.7	17.5 N	100.8 O	.000	85.83	292.55	USCGS
		5 15,0	LM	EG				

164	05	00 11 51.9	39.3 N	043.1 E	.000	29.36	97.90	USCGS
		31,0	LM	EG				

165	05	04 44 37.0	49.5 N	028.0 O	.000	20.70	279.05	BCIS
		4 49 29	PP	VG				
		4 53 32	SS	EG				
		4 54,0	L	EG				

166	05	22 06 53.0	58.1 N	152.1 O	.000	69.85	346.94	USCGS
		22 45,0	LM	EG				

167	06	19 07 51.4	26.6 S	114.4 O	.000	128.03	273.67	USCGS
		19 46 39	SSP	EG				
		20 08,0	LM	EG				

168	07	20 30 55.5	45.3 N	150.9 E	.000	80.07	23.28	USCGS
		21 05,0	LQ	EG				

169	08					25.8		
		2 36 41	P	VG				
		2 41 09	S	EG				
		2 41 30	L	EG				

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170	10	22 16 44.8	05.0 N	127.4 E	.018	106.04	60.35	USCGS
		22 31 09	*PP	VG		106.5		
		22 41 14	SKS	EG				
		22 44 04	SP	EG				
		22 55,0	SSS	EG				
171	11	17 01 48.5	02.0 S	140.8 E	-.003	119.03	51.98	USCGS
		17 31 49	SP	EG				
		17 38 49	SSP	EG				
		17 58,0	LR	EG				
		18 12,0	MR	EG				
172	12	10 50 09.1	02.1 S	141.1 E	.000	119.32	51.78	USCGS
		11 50,0	LR	EG				
		12 00,5	M	EG				
173	13	04 20 53.5	53.6 N	172.1 E	.000	75.37	7.50	USCGS
		5 00,0	L	EG				
		5 07,0	LM	EG				
174	13	08 28 38.7	46.4 N	153.3 E	.000	79.44	21.26	USCGS
		9 10,0	L	EG				
175	14	12 15 31.3	38.0 N	038.5 E	.000	27.28	104.69	USCGS
		12 21 18	P	VE, VG, EG		27.3		
		12 22 05	PP	VG, EG				
		12 25 59	S	EG				
		12 29,0	LR	EG				
		12 33,5	MR	VG, EG				
176	15	00 05 31.1	05.4 N	097.0 E	.000	87.48	84.56	USCGS
		18 21	P	VG, EG				
		29 15	/S/	EG				
		42,0	LQ	EG				
177	16	04 01 44.3	38.3 N	139.1 E	.004	82.85	34.29	USCGS
		4 14 04	P	VG	.004	83.0		
		4 14 09	IP	VG				

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4	14	21	*PP	NE, VG, EG
4	17	20	PP	VE
4	24	23	SKS	EG
4	25	12	SP	VG
4	25	33	SSP	VG
4	33,7		L	EE
4	38,0		LQ	VG, EG
4	41,5		LR	NE, VG
4	44,0		M	EG
4	49,5		M	EG

178	18	18 01	47.6	47.5 N	154.9 E	.000	78.94	19.87	USCGS
		18 13	49	P	VG		80.0		
		18 23	49	S	VG				
		18 45,0		LM	EG				
179	18	20 33	53.3	39.3 S	074.7 W	-.001	113.22	235.95	USCGS
		21 03	03	S	VG				
		21 24,0		LQ	EG				
180	19	00 50	23.0	40.8 N	032.8 E	.000	22.08	105.88	BCIS
		55 21		P	VG				
181	21	01 33	11.2	51.0 N	157.0 E	.003	76.03	17.42	USCGS
		2 16,0		LM	EG				
182	22	00 16	27.4	15.7 S	172.8 O	.000	144.94	355.24	USCGS
		36 02		PKP	VG	.000	145.0		
		36 19		*PPKP	VG				
		58 13		SS	EG				
		1 24,0		LR	EG				
183	22	03 03	37.9	10.4 S	161.1 E	.006	135.36	33.57	USCGS
		3 25	42	E	VG				
		4 00,0		L	EG				
184	22	17 50	44.0	54.9 N	040.2 W	.000	26.82	296.29	USCGS
		18 02,0		LQ	EG				

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185	22	21 23 33.6 22 14,0	13.6 N LR	120.3 E EG	.004	95.12	61.39	USCGS
186	23	01 26 37.0 1 38 42 1 38 46 1 41 42 1 43 41,5 1 48 41 1 48 52 1 49 24 2 00,0 2 05,0 2 11 24 2 16,0	43.3 N IP IPCP PP /PPP/ S SCS IPS LQ LR M MR	146.1 E VE NE VE,VG VG EG VG VE,NE,VG NE VE,NE EG NE	.007	80.62	27.28	USCGS
187	24	12 56 26.0 13 44,0	32.2 N LM	129.4 E EG	.000	84.11	44.20	USCGS
188	30	13 46 21.6 14 05 12 14 07 38 14 12 42 14 15 29 14 20 30 14 36,0 14 39,0	00.8 S PP /PPP/ S SPP SS LQ LR	122.5 E VE VE NE VE NE NE EE	.000	107.98 108.0	68.01	USCGS
189	05	19 07 57.8 19 47,0 19 55,0	26.2 N LR MR	110.2 O VE,EE EE,NE	.000	84.14	304.77	USCGS
190	06	23 39 10.3 17,0 23,0	44.7 N LR MR	149.6 E VE EE	.002	80.12	24.34	USCGS
191	06	02 14 36.0 2 27 24 2 37 40 2 58,0 3 01,4	26.2 N E SCS LR MR	110.4 O NE NE NE NE	.000	84.25	304.92	USCGS

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192	06	07 22	11.7	18.3 N	100.4 O	.011	84.97	292.74	USCGS
		7 34	39,0	IP	VE,NE	.010	85.0		
		7 34	41,0	IPCP	EE				
		7 35	05,0	I*PP	VE,NE				
		7 45	09	SCS	NE				
		7 45	37	*SS	NE				
		7 45	49	*SSCS	NE				
		7 46	16	/PS/	EE				
		7 49	55	SS	VE				
		7 57,5		LQ	NE				
		8 03,0		LR	VE,EE				
		8 05,0		M/Q/	EE,NE				
		8 11,0		MR	NE				
193	09	11 22	05.4	23.3 S	175.7 W	.002	152.54	.12	USCGS
		11 41	52	PKP	NE,VG,EG		152.0		
		11 42	02	PKP2	NE				
		11 45	44	PP	VG				
		11 52	26	SKKS	NE				
		12 05	08	SS	EG				
		12 40,0		LR	EG				
		12 48,5		M	EG				
		12 53,5		M	EG				
194	09	16 39	49.3	15.5 S	167.6 E	.014	142.28	27.03	USCGS
		16 59	08	IPKP	VG		142.0		
		17 02	17	PP	NE				
		17 02	44	PKS	NE,EG				
		17 05	24	PPP	VG				
		17 09	04	SKKS	NE,VG				
		17 11	10	PKKS	VG				
		17 14	34	PPS	VG				
		17 20	44	ISS	VG				
		17 21	41	PSPS	EE				
		17 35,0		LQ	NE,EG				
195	11	17 44	29.8	66.4 N	019.7 W	-.003	19.80	331.09	USCGS
		17 49	03	P	VG				
		17 52	39	S	EG				
		17 55,0		L	EG				
196	11	20 25	40.3	59.7 N	146.2 W	.001	67.21	344.35	USCGS
		20 36	34	P	VG				
		20 57,0		L	EG				
		21 04,0		M	EG				

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197	12	01 45 25.6 1 57 50 2 08 04 2 25,0 2 31,0 2 34,5	38.6 N P S LR M MR	139.2 E VG EG EG EG VG	-.004	82.46 82.3	34.04	USCGS
198	13	16 22 26.0 16 32 07 16 34,0 16 35,5	53.7 N E LR M	035.2 W EG EG EG	.000	24.14	292.41	USCGS
199	13	21 01 33.3 21 19 31 21 26,0 21 29,0	07.7 N E LQ LR	034.7 W VG EG VG,EG	.000	53.75	230.71	USCGS
200	14	09 55 24.4 10 25,0	19.0 N LR	066.5 W EG	.002	63.39	267.79	USCGS
201	14	22 59 09.2 23 36,0	59.5 N LM	144.8 W EG	-.002	67.16	343.55	USCGS
202	15	09 49 06.0 9 55,0 9 58,0	35.5 N LQ M	004.2 E EG EG	.000	15.29	180.49	BCIS
203	17	02 34 26.0 2 38 36 2 38 52 2 38 57 2 41 59 2 42 33 2 42 48 2 43,0 2 45,0	38.0 N P PP PPP S SS SSS ILR MR	023.5 E VE EE,EG VG VG,EG NE VG,EG EG EG	.020 .020	18.66 19.0	125.93	BCIS
204	17	22 54 42.2 23 30,0 23 40,0	44.6 N LQ M	149.2 E EG EG	.000	80.11	24.65	USCGS

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205	18	03 40 09.0 3 45 01 3 45 26 3 45 43,5 3 48 53 3 49 26 3 51,0 3 53,5	35.7 N P PP /PPP/ S SS L M	026.4 E VG,EG VG,EG EG EG EG EG EG	.000	21.91 125.07 21.2	BCIS
206	20	18 49 43.5 19 25,0 19 31,0	19.8 N L M	109.0 W EG EG	.000	88.57 300.19	USCGS
207	21	01 09 25.8 1 47,5	19.8 N L	108.8 W EG	.000	88.46 300.04	USCGS
208	21	03 48 59.1 4 08 52 4 12 25 4 19 01	26.0 S PKP2 PP SKKS	178.0 W VG VG VG	.030	155.16 5.06	USCGS
209	21	09 56 16.6 10 24,0	42.7 N LM	130.2 E EG	.000	75.53 38.05	USCGS
210	23	09 40 29.2 10 04,0 10 07,0	00.7 S L M	016.3 W EG EG	.000	54.28 205.74	USCGS
211	24	06 50 52.8 7 02 56 7 03 02 7 12 55 7 13 02 7 25,0 7 32,5 7 38,0 7 43,0	46.9 N P PCP S SKS LQ LR MR MR	153.4 E VE EG EG VG EG EG VG VE,EE,VG	.000 .000	78.99 21.03 80.0	USCGS
212	24	08 12 40.0	47.2 N	153.8 E	.000	78.80 20.66	USCGS

		8 24	41,7	P	VE	.000	79.0		
		8 24	44,9	IP	VE,EE,VG				
		8 27	41	PP	VE,NE,VG				
		8 30	49	PPPP	VG				
		8 34	39	S	NE				
		8 35	22	PS	VG				
		8 39	55	SS	EG				
		8 47,0		L/Q/	EG				
		8 53,0		LR	VE,NE,VG				
		8 57,0		MR	NE				
		9 01,0		MR	NE				
		9 08,0		MR	VG				
213	24	13 25	18.3	47.0 N	153.7 E	.000	78.96	20.80	USCGS
		13 37	21	P	VG		79.0		
		13 37	39	PCP	EG				
		13 47	19	S	EG				
		14 00,0		L	EG				
		14 06,8		M	EG				
214	24	17 02	49.2	47.1 N	153.6 E	.000	78.85	20.83	USCGS
		17 14	52	P	VG,EG		79.0		
		17 14	59	PCP	NE,VG				
		17 24	50	S	EG				
		17 36,0		L	EG				
		17 43,0		M	EG				
		17 48,0		M	EE				
		17 50,0		M	NE				
215	25	19 31	07.0	27.9 S	070.9 W	-.002	102.52	241.23	USCGS
		19 49	15	PP	EG				
		19 58	16	PS	VG,EG				
		20 15,0		LQ	EG				
		20 25,9		MR	EG				
216	27	23 00	36.3	46.8 N	153.8 E	.000	79.17	20.80	USCGS
		23 42,0		LR	EG				
217	28	21 38	43.5	14.3 N	096.2 E	.000	80.14	79.47	USCGS
		21 50	54	P	EG	.000	80.7		
		21 51	04	*PP	VG				
		22 01	38	PS	EG				
		22 06	25	/SS/	EG				
		22 10,0		L	EG				

		22 26,0		LM		EG			
		22 33,5		M		EG			
218	29	05 16 03.3		11.1 N		086.2 W	.001	81.78 277.49	USCGS
		5 47,5		/SSS/		EG			
		5 54,0		LR		EG			
		6 01,0		M		VG,EG			
219	31	05 52 18.8		06.1 S		149.4 E	.004	126.71 45.31	USCGS
		6 11 21		PKP		VE			
		6 13 27		PP		EG			
		6 56,0		LR		EE			
		7 00,2		LR		EE			
220	01	08 36 16.9		56.2 N		149.9 W	.000	71.16 345.17	USCGS
		8 56 56		S		EG			
		9 17,2		LM		EG			
		9 19,2		LM		VG,EG			
221	03	01 48 23.3		19.8 N		070.7 O	.000	65.51 271.64	USCGS
		1 59 14		P		VG,EG		66.0	
		2 07 53		S		EG			
		15 15,9		LQ		EG			
		15 19,2		LR		EG			
		15 21,8		LR		NG			
222	03	07 44 44.3		22.6 N		121.3 E	.000	88.32 55.51	USCGS
		7 57 36		P		VG		58.5	
		8 01 03		PP		VG,EG			
		8 08 07		SKS		EG			
		8 31,0		LR		EG			
223	04	17 24 29.2		46.5 N		151.1 E	.011	79.00 22.71	USCGS
		17 36 24		P		VG,EG	.010	79.0	
		17 36 35		PCP		VG,EG			
		17 36 42		/*PP/		VG			
		17 36 57		*SP		EE			
		17 39 21		PP		VG			
		17 39 41		*PPP		VG			
		17 39 51		*SPP		VG			
		17 46 06		S		EG			
		17 46 23		SKS		EG			

		17 46 32	SCS	EG					
		17 51 17	E	EG					
		18 00,4	LQ	EG					
224	04	23 18 51.1	34.3 N	046.0 E	.000	34.29	102.52		USCGS
		23 39,4	L	EG					
225	05	11 06 02.6	32.1 S	179.8 E	.032	161.01	11.97		USCGS
		11 25 35	PKP	VG		161.0			
		11 26 20	PKP2	VG					
		11 27 17	*PPKP2	VE,VG					
		11 30 02	PP	VG					
		11 36 28	SKKS	VG					
		11 49,9	E	EG					
226	05	22 23 13.0	41.1 S	074.9 W	.000	114.64	234.73		USCGS
		22 42 49	PP	VE,VG,EG					
		22 52 29	PS	EG					
		22 59 11	/SS/	EG					
		23 16,0	LR	EG					
		23 24,6	LR	VG					
227	06	18 24 50.5	56.9 N	152.1 O	.001	71.01	346.59		USCGS
		18 36 08	P	VG,EG		70.8			
		18 45 23	S	VG,EG					
		18 56,0	LQ	EG					
		19 06,2	MR	EG					
228	07	16 06 02	PG	VG					
		16 06 04	SG	VG,EG					
229	08	14 59 41.2	31.7 N	140.2 E	.012	89.14	36.43		USCGS
		15 12 25	P	VG,EG					
		15 46,3	LM	EG					
230	08	15 45 10.9	12.5 N	087.8 W	.005	81.71	279.60		USCGS
		16 26,7	LR	EG					

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231	08	20 06 51.0 20 39,3	18.0 N L	074.0 W EG	.000	68.88 272.86	USCGS
232	10	01 10 12.4 1 20 43 1 29 18 1 33 33 1 40,5	19.1 N P S SS LR	067.3 O VG,EG EG EG EG	.000	63.86 268.50 65.0	USCGS
233	12	06 51 49.9 7 03 32	48.9 N P	153.7 E VG	.015	77.17 20.16	USCGS
234	12	19 26 26.1 19 33 51 19 35 22 19 39 50 19 46,2 19 50,5	31.0 N P PP S LR LM	049.8 E VG,EG EG EG EG VG	.000	38.88 102.92 39.9	USCGS
235	13	00 31 14.1 49 37 51 15 51 43 1 08,7 1 28,3 1 33,0 1 47,2	05.4 S PKP *PPKP /PP/ SS LQ LR MR	154.3 E VG VG VG EG EG EG VG	.055	128.19 39.38 129.0	USCGS
236	13	10 38 05.0 10 50,8	34.2 N LQ	025.7 E EG	.000	22.72 128.73	USCGS
237	13	18 26 30.7 18 54,0	10.5 S LQ	013.3 W EG	.000	63.01 199.55	USCGS
238	14	21 27 41.6 21 44 51 21 50,1	07.4 N S LQ	036.8 W EG EG	.000	55.05 232.74	USCGS
239	17	00 17 41.0	35.3 N	026.1 E	.000	22.06 126.25	BCIS

		22 39	P	EG	22.3			
		26 40	S	EG				
		29,4	LQ	EG				
		31,6	LR	VG				
240	17	09 07 03.8	52.0 N	030.0 W	.001	21.32	286.67	USCGS
		9 12 01	P	VG,EG				
		9 17,3	LQ	EG				
		9 19,8	LR	VG				
241	17	11 51 19.3	46.3 N	151.9 E	.000	79.20	22.23	USCGS
		12 03 25	P	VG,EG				
242	17	15 15 06.0	73.0 N	001.0 E	.000	22.35	357.40	BCIS
		15 20 09	P	VG		22.4		
		15 24 09	S	VG,EG				
		15 28,0	LQ	EG				
243	17	22 47 32.4	52.1 N	030.1 W	.001	21.37	286.98	USCGS
		22 52 19	P	EG				
		22 58,9	LM	EG				
244	18	04 44 58.0	26.4 S	071.5 O	.000	101.59	242.64	USCGS
		4 58 53	P	VG				
		5 09 30	SKS1	EG				
		5 12 02	PS	EG				
		5 34,2	LM	EG				
245	19	09 33 10.0	28.2 N	052.6 E	.003	42.57	103.33	USCGS
		9 41 03	P	VG,EG				
		9 58,5	LR	EG				
246	19	15 20 13.9	28.2 N	052.7 E	.003	42.60	103.25	USCGS
		15 28 10	P	VG,EG				
		15 34 27	S	EG				
		15 46,1	LM	VG,EG				
247	20	02 08 04.0	73.0 N	001.0 E	.000	22.35	357.40	BCIS

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		2 13 04	P	VG,EG		22.2		
		2 17 04	S	EG				
		2 21,2	LM	EG				
248	20	03 56 14.0	64.0 N	023.0 O	.000	19.60 322.83	BCIS	
		4 00 48	P	VG		19.8		
		4 04 17	S	EG				
		4 05,6	LR	EG				
249	20	05 08 50.3	28.1 N	052.6 E	.002	42.61 103.45	USCGS	
		5 16 46	P	VG,EG				
		5 25,4	LQ	EG				
250	20	05 39 47.7	28.2 N	052.6 E	.003	42.54 103.35	USCGS	
		5 47 41	P	VG,EG				
		6 05,3	LM	EG				
251	20	16 29 46.0	73.0 N	001.0 E	.000	22.35 357.40	BCIS	
		16 34 49	P	VG		22.4		
		16 38 49	S	EG				
		16 42,1	LM	EG				
252	21	07 59 17.0	28.3 N	052.5 E	.003	42.44 103.32	USCGS	
		8 07 13	P	VG				
		8 23,8	LR	EG				
		8 29,5	LM	VG				
253	22	03 03 20.7	31.5 N	114.3 W	-.003	81.75 310.82	USCGS	
		3 45,3	LM	EG				
254	22	17 04 31.2	51.9 N	030.0 W	.000	21.34 286.40	USCGS	
		17 09 19	P	EG		22.5		
		17 13 22	S	EG				
		17 15,3	LR	EG				
		17 16,7	LR	VG				
255	22	17 33 21	S	EG				

17 35,8				LR	EG				
256	23	02 56 13.3	59.4 N	030.3 W	.000	21.36	307.14	USCGS	
		3 01 02	P	VG,EG		23.1			
		3 05 10	S	EG					
		3 07,9	L	EG					
257	23	04 47 46.4	59.4 N	030.2 W	.000	21.31	307.16	USCGS	
		4 52 37	P	VG,EG		22.6			
		4 56 41	S	EG					
		4 58,2	LR	EG					
258	23	15 24 05.3	06.1 S	149.4 E	.005	126.71	45.31	USCGS	
		15 45 02	PP	VG					
		15 56 43	PPS	VG					
		16 25,8	LR	EG					
		16 32,4	LM	VG					
		16 35,4	LM	EG					
259	24	21 56 54.2	58.4 N	150.3 W	-.002	69.12	346.07	USCGS	
		22 08 05	P	EG		71.4			
		22 17 23	S	EG					
		22 36,6	LM	EG					
		22 39,6	LM	VG					
260	25	11 11 51.0	36.0 N	029.0 E	.000	23.05	120.42	BCIS	
		11 21 07	S	EG					
		11 23,3	LR	EG					
		11 24,9	LM	VG					
261	25	13 47 20.6	78.2 N	126.6 E	.003	46.58	13.84	USCGS	
		13 55 45	IP	VG	.004	47.0			
		13 56 02	/*PP/	VG,EG					
		13 57 35	PP	NE					
		14 02 38	S	EE					
		14 02 41	/PS/	VE,EG					
		14 03 02	PPS	EE,VG					
		14 06 02	/SS/	EG					
		14 08 01	LQ	EG					
		14 14,2	LM	NE,EG					
		14 18,0	LM	VG					

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262	26	03 18 25.1 3 23 27 3 27 33 3 29,3	52.5 N P S LR	032.5 W EG EG EG	.000	22.74 288.73 22.9	BCIS
263	27	07 53 54.8 8 13 36	17.5 S PKP	173.0 W VG	.000	146.69 355.41	USCGS
264	27	12 56 46.1 13 22,8	27.5 N L	055.9 E EG	.000	45.08 101.04	USCGS
265	27	19 32 01.0 19 37 13 19 43,4 19 45,1	36.0 N E LM LM	024.0 E EG EG VG	.000	20.44 128.80	BCIS
266	28	04 35 29.3 4 54 14	19.8 S PKP2	178.2 W EG	.086	148.98 4.68	USCGS
267	28	12 06 18.3 12 13,7	37.9 N LR	019.8 E VG	.005	16.93 133.68	USCGS
268	28	18 17 03.2 19 04,1	23.5 N LR	120.6 E EG	.000	87.22 55.53	USCGS
269	29	02 45 29.0 2 48 13 2 49 34 2 49 57 2 50 03 2 50,3 2 51,0	43.3 N PG S* SG SN LM LM	000.1 E VG EG EG VG EG VG	.000	8.04 202.80 8.2	USCGS
270	29	05 20 19.8 5 25 10 5 32,3	71.6 N P L	003.7 W EG EG	.000	21.17 352.93	USCGS

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AOUT - SEPTEMBRE

271	30	02 35 08.0 3 10,1	27.6 N M	088.3 E EG	.000	65.44	76.00	USCGS
272	30	21 44 56.9 22 04 17	19.9 S PKP	176.0 W VG	.034	149.15	.66	USCGS
273	31	05 30 35.4 6 27,7	25.7 N LM	128.1 E EG	.009	89.03	48.58	USCGS
274	01	13 22 36.6 13 33 32 13 34 13 13 42 35 13 59,4 14 01,1	27.2 N P /PCP/ S LM LM	092.3 E VG VG EG EG VG	.000	68.18 68.8	73.49	USCGS
275	01	17 16 40.4 17 28 46	51.2 N P	170.6 O VG,EG	.000	78.38	356.76	USCGS
276	03	16 58 55.4 17 18 35	15.2 S P	173.5 W VG	.000	144.43	356.45	USCGS
277	03	21 14 43.0 21 53,7	24.6 N LQ	108.6 O EG	.000	84.59	302.65	USCGS
278	04	03 28 33.1 3 38 05 3 45 49 3 52,3 3 55,7	07.6 N P S LQ LR	036.9 O VG,EG EG EG EG	.000	54.90	233.00	USCGS
279	04	10 34 13.1 10 53 59 11 15,9 11 31,8 11 45,7	04.0 S /PKP/ L LR LM	131.4 E VG,EG EG VG EG	.000	115.70	62.13	USCGS

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SEPTEMBRE

280	05	02 53 50.6 3 12 44 3 15 01 3 16 16 3 32 29 3 50,4 4 00,0	05.8 S PKP PP PKS SS LQ LR	154.0 E VG VG,EG VG,EG EG EG VG	.006 128.48 128.4	39.98	USCGS
281	05	12 27 22.2 12 44 50 12 56,3	00.6 N S L	025.9 O EG VG,EG	.000 56.16 217.32	USCGS	
282	05	21 08 49.4 21 13 12	44.1 N SG	011.1 E EG	.001 8.11 143.16	USCGS	
283	06	18 55 47.4 19 01 13 19 08 13 19 10 01	38.3 N P LR LM	026.6 W EG EG VG	.000 25.12 252.20	USCGS	
284	06	21 05 48.0 21 54,2	06.0 S LQ	107.1 W EG	.000 108.06 283.11	USCGS	
285	12	12 43 19.0 13 40,6	04.4 S LR	144.0 E EG	.014 122.73 50.16	USCGS	
286	12	15 19 22.3 15 38 02	17.4 S PKP2	179.9 O VG	.083 146.53 7.38	USCGS	
287	12	22 07 03.2 22 27 03 22 27 14 22 28 15 22 28 25 22 32 02 22 36 12 22 38 34 22 53 52 23 33,4 23 39,4	49.1 S PKP *PPKP IPKP2 *PPKP2 IPP /PPP/ SKKS SSP LR LR	164.2 E VE VG VE,EE,VG NE VG VG EG EE NE VE	.000 .000 166.81 167.0	90.37	USCGS

		23 45,9		LM		EE				
		23 48,2		LM		NE				
288	13	23 01 06.0		58.5 N		030.8 W	.000	21.51	304.61	USCGS
		23 12,7		L		EG				
289	13	23 23 35.0		58.3 N		032.4 W	.000	22.33	303.89	USCGS
		23 35,4		L		EG				
290	14	06 19 51.0		59.3 N		032.1 O	.000	22.31	306.52	USCGS
		6 30,0		LQ		EG				
291	15	15 29 32.2		08.9 N		093.1 E	.001	82.34	85.33	USCGS
		15 41 50		P		VG		81.8		
		15 44 51		PP		EG				
		15 46 44		PPP		VG				
		15 51 54		S		NE,EG				
		15 52 37		PS		NE				
		15 52 59		PPS		VG				
		16 03,0		LQ		EG				
		16 07,0		LR		VG,EG				
		16 14,3		LM		EG				
292	16	01 26 26.9		10.9 N		093.1 E	.002	80.78	84.03	USCGS
		2 10,8		LR		EG				
		2 17,7		LM		EG				
		2 20,7		LM		EG				
293	17	15 01 48.0		45.0 N		032.0 W	.000	24.84	270.77	BCIS
		15 07 21		P		VG		26.2		
		15 08 02		PP		VG				
		15 11 52		IS		NE,VG,EG				
		15 12,9		LQ		EG				
		15 14,0		LR		EG				
		15 14,7		LM		VG				
294	18	00 08 50.0		36.0 N		027.7 E	.000	22.35	122.45	BCIS
		14 02		P		VG		22.2		
		14 31		PP		VG				
		18 02		S		EG				

18 44 SS VG
20,0 LR EG
21,8 LM EG

295 18
11 20 59 PG VE,EE,NE
11 21 02 SG EE,NE
11 21 03 ISG VG,EG,NG

296 18 13 12 30.0 39.0 N 031.0 W .000 27.38 258.29 BCIS
13 18 19 P VE,VG,EG
13 19 28 /PPPP/ EG
13 23 02 S EE,NE,VG
13 24,2 LQ NG
13 25,8 LR VG
13 26,4 LM EG

297 19 05 08 15.1 15.3 N 094.0 W .001 83.39 286.08 USCGS
5 20 40 P VG .001 84.6
5 20 54 *PP VG,EG
5 31 06 S EG
5 40 11 SSS EG
5 47,2 LQ NG
5 51,2 LR NG
5 58,0 LM EG
6 10,3 LM NG

298 20 04 33 29.4 49.6 S 116.2 W .000 142.78 247.98 USCGS
5 47,0 LR EG
5 55,0 LM EG,NG

299 21 04 23 19.7 21.8 S 179.6 W .090 150.88 7.57 USCGS
4 42 07 /PKP/ VG

300 23 04 59 47.4 53.6 N 163.9 O .000 75.60 352.80 USCGS
5 11 31 P VG

301 25 15 42 17.9 50.3 N 176.6 E .000 79.16 5.06 USCGS
16 21,0 LR NG

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SEPTEMBRE - OCTOBRE

302	26	00 46 02.8 56 04 1 04 12 1 16,6 1 23,8	30.1 N P S LQ LM	080.7 E NG EG,NG EG EG	.003	58.97 59.0	79.34	USCGS
303	26	22 55 14.8 23 54,8 24 13,7	04.9 S LR LM	153.5 E EG EG	.000	127.47	40.09	USCGS
304	27	15 50 54.7 16 02 13 16 11 33 16 20,1 16 27,6 16 32,7 16 33,1	56.6 N P S LQ LR LM M	152.0 O VG,NG EG,NG EG NG VG NG	.000	71.28 71.0	346.45	USCGS
305	28	05 04 55.5 5 14 39 5 22 36 5 24 39 5 26 24 5 29,0 5 34,5 5 35,6	01.2 S P S /PPS/ SS LQ LR MR	024.1 W EG EG EG,NG EG EG EG EG	.001	57.23 57.5	214.49	USCGS
306	30	04 39 48.0 4 48 29 4 52,0 4 53,2	34.7 N S LM LM	023.2 E VG EG,NG VG	.000	21.12	132.41	BCIS
307	01	02 33 03.0 3 09,6	10.5 S LM	013.3 O NG	.000	62.88	199.57	USCGS
308	02	00 58 39.2 1 34,9	51.9 N LR	142.9 E EG	.000	71.90	25.58	USCGS
309	02	13 00 39.7 13 19 53	10.5 S PKP	162.4 E NE	.006	135.95 136,2	31.94	USCGS

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OCTOBRE

13	22	35	PP	VG
13	56,2		LQ	EG
14	07,5		LR	NG

310	04	09 11 23.0 9 44,2	08.9 S L	129.2 E NG	.007	118.43	67.33	USCGS
311	04	22 57 03.4 23 00 34	37.8 N E	020.9 E VG	.009	17.52	131.50	USCGS
312	05	03 35 08.4 4 16,4	42.6 N LR	142.6 E EG	.001	80.19	29.94	USCGS
313	05	22 10 16.5 22 58,4	36.0 N LM	141.2 E EG	.005	85.65	33.80	USCGS
314	06	06 11 32.6 6 34 23 6 58,8 7 07,8	18.6 N E LR LM	119.6 E EG EG VGEG	.000	90.67	59.08	USCGS
315	06	07 17 57.1 8 18,1	36.2 S LR	100.9 O EG	.000	126.00	255.03	USCGS
316	06	14 29 57.0 14 34 27	40.0 N P	028.0 E EENG	.000	19.72	114.06	BCIS
317	06	14 31 20.0 14 35 51 14 35 54 14 36 10 14 36 19 14 36 29 14 39 30 14 39 36 14 40 07 14 40 34 14 41 59	40.0 N P P PP PPPP S S /PCP/ LR MQ	028.0 E VE VE EGNG EE EE/ EGNG EENE VEEE NG NG	.000	19.72	114.06 20,0	BCIS

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OCTOBRE

		14 42 09	MR	EG					
		14 43 42	/PCS/	VE					
		14 43 54	MR	VE					
		14 47 20	/SCS/	NG					
318	07	00 54 18.0 1 07,9	53.0 N LR	036.2 0 EG	.000	24.90	290.98		USCGS
319	11	21 15 03.9 21 33 52 21 41 28 21 41 37 21 49 44 21 58,2 22 09,1 22 13,0	00.6 S PP S E /SS/ LQ LR M	121.7 E VG NG NG NG NG NG NG	.000	107.38 107,6	68.59		USCGS
320	12	15 42 54.7 16 36,1	03.0 N LR	126.7 E EG	.004	107.36	62.15		USCGS
321	12	21 55 33.2 22 56,8	31.3 S LR	110.8 0 EG	.000	128.97	266.54		USCGS
322	13	10 38 59.3 11 44,2	03.3 S LR	149.9 E EG	.004	124.44	43.24		USCGS
323	14	03 04 59.6 3 50,5 3 59,3	33.4 N LR LM	141.8 E EG VG	.000	88.20	34.48		USCGS
324	15	20 26 53.5 20 39 02 20 49 10 21 04 36 21 14 54	44.7 N P S LQ M	149.8 E VGNG NG EG EG	.003	80.35 80,5	24.23		USCGS
325	16	06 59 38.6 7 11 50	44.3 N P	149.5 E VGNG	.000	80.64 80,8	24.58		USCGS

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OCTOBRE

7	36	12	LQ	EG
7	42	18	LR	EE
7	42	48	M	EG

326	16	08 18	28.3	44.6 N	149.4 E	.000	80.34	24.54	USCGS
		8 30	39	P	VG		80,5		
		8 40	38	S	EGNG				
		8 41	10	E	VG				
		8 56	06	LQ	EG				
		9 01	36	LR	EG				
		9 04	24	LM	NG				
		9 08	06	M	NG				

327	16	09 18	16.6	44.5 N	149.1 E	.000	80.35	24.78	USCGS
		9 30	08	P	VG		80,5		
		9 40	49	S	EGNG				
		9 56	00	LQ	EG				
		10 04	24	LR	NG				
		10 07	36	M	NG				

328	17	09 50	29.0	34.7 N	025.5 E	.000	22.23	128.25	BCIS
		9 55	23	P	VG		22,3		
		9 59	32	S	EGNG				
		10 01	30	LR	NG				

329	18	09 06	26.0	02.9 N	065.7 E	.000	69.90	111.11	USCGS
		9 17	44	P	NG				
		9 45	37	LM	EG				

330	18	12 32	24.1	07.0 S	124.0 E	.085	113.84	70.67	USCGS
		12 50	02	PKP	VGEGNG		114,0		
		12 50	18	E	VGNG				
		12 51	08	PP	VG				
		12 53	00	E	VEVG				
		12 55	23	E	EG				
		12 57	01	E	EG				
		12 59	43	I	VE				
		13 00	58	PS	EGNG				
		13 04	40	E	VGNG				
		13 17	59	LQ	EG				
		13 35	29	LM	VG				

331	18	12 32	24.1	07.0 S	124.0 E	.085	113.82	70.65	USCGS
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OCTOBRE

		13 00	44	/PS/	NG		114,0			
332	21	07 38	31.0	44.8 N	111.6 W	.000	69.73	317.04	USCGS	
		8 12	40	LR	EG					
333	21	19 17	51.0	36.3 N	004.5 E	.000	14.49	179.55	BCIS	
		19 24	34	LR	EG					
		19 28	22	LM	VG					
334	21	23 09	18.8	28.1 N	093.8 E	.001	68.44	71.79	USCGS	
		20	19	P	VGEG		67,5			
		23 22	53	PP	VGEG					
		23 29	15	S	EG					
		23 30	39	E	EG					
		23 33	28	/SS/	EG					
		23 37	01	/SSS/	NG					
		23 44	07	LQ	NG					
		23 47	04	MR	NG					
		23 52	23	MQ	NE					
335	23	01 56	03.2	19.8 N	056.0 O	.000	56.21	259.87	USCGS	
		2 05	49	P	VEEENE		57,0			
		2 07	49	/PP/	NE					
		2 13	32	S	EGNG					
		2 13	46	/PS/	VGNG					
		2 15	41	SCS	NE					
		2 19	40	LQ	NENG					
		2 23	55	LR	EG					
336	23	21 06	24.2	44.0 N	147.5 E	.002	80.37	26.05	USCGS	
		21 18	38	P	VGNG					
		21 47	16	LR	EG					
337	27	19 46	11.0	47.7 N	016.1 E	.000	8.29	107.44	BCIS	
		19 48	10	PN	EG		7,5			
		19 48	33	/P*/	NG					
		19 48	47	PG	NE					
		19 49	08	E	EG					
		19 49	37	SN	NEVGNG					
		19 50	06	S*	EEEG					
		19 50	23	LR	VE					
		19 50	31	MR	VE					

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OCTOBRE - NOVEMBRE

338	22	22 04 04	LQ	NG					
		22 29 59	MQ	EG					
		22 37 11	MR	VG					
339	28	22 59 41.0	47.7 N	016.1 E	.000	8.29	107.44	BCIS	
		23 03 52	LR	EGNG					
		23 04 05	M	NG					
340	29	04 35 55.0	43.1 N	020.7 E	.000	13.54	118.34	BCIS	
		4 44 00	LR	VG					
341	30	02 53 40.8	12.1 S	065.7 E	-.002	82.14	119.99	USCGS	
		3 11 54	L	EG					
342	01	04 55 47.5	51.8 N	130.8 W	.000	70.86	332.44	USCGS	
		5 30 28	LR	EG					
343	01	12 26 06.2	03.1 N	128.1 E	.005	108.06	60.87	USCGS	
		12 44 54	PP	NG		108,2			
		12 51 28	E	EG					
		12 52 18	E	NG					
		12 54 34	/PS/	VG					
		12 54 47	E	EG					
		12 59 25	E	EG					
		13 03 36	E	NG					
		13 17 48	LQ	NG					
		13 18 18	LR	EG					
		13 22 11	LR	NG					
344	02	06 50 58.2	04.1 S	076.9 O	.009	87.56	260.66	USCGS	
		7 03 35	P	VG		87,7			
		7 06 23	E	EG					
		7 13 55	/S/	EGNG					
		7 14 51	PS	VGEGNG					
345	06	09 53 22.4	44.4 N	149.0 E	.004	80.42	24.89	USCGS	
		10 05 30	P	VG		80,5			

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NOVEMBRE

		10 15 31		S	NG					
		10 30 18		LQ	EG					
		10 34 30		LR	NG					
		10 39 36		MR	NG					
346	07	18 37 43.7		00.4 N	100.1 E	.012	93.27	85.31		USCGS
		19 21 11		LQ	NG					
347	08	02 43 57.0		49.0 S	163.7 E	.000	166.44	90.33		USCGS
		3 04 33		/PKP/	VG					
		3 21 11		E	EG					
		3 28 46		/SS/	EG					
		3 35 20		/SSS/	EG					
		4 14 35		LR	NG					
		4 22 41		LR	EG					
		4 33 41		MQ	EG					
348	09	18 43 38.6		19.3 N	121.0 E	.000	90.76	57.56		USCGS
		19 31 41		LR	EG					
349	15	15 52 21.5		24.0 N	122.2 E	.001	87.64	54.04		USCGS
		16 39 17		LR	EG					
		16 47 25		MR	EG					
350	15	20 03 52.0		34.8 N	005.4 O	.000	17.49	207.65		BCIS
		20 07 57		P	NG					
		20 12 59		LQ	EG					
351	16	06 00 00.0		49.7 N	078.0 E	.000	45.29	61.29		BCIS
		6 08 22		P	VG					
352	17	08 15 39.3		05.7 S	150.7 E	.001	126.99	43.68		USCGS
		8 34 43		PKP	VG		127,2			
		8 35 00		E	EG					
		8 36 42		PP	VG					
		8 48 19		PPS	VGEGNG					
		8 54 11		SS	NG					
		8 59 06		/SSS/	EG					
		9 08 29		LQ	EG					
		9 21 43		LR	VG					

		9	24	19	MR	EG					
353	18	7	48	18,7	PG	EG					
		7	48	19,2	SG	EE					
354	18	14	34	54.5	06.0 S	148.2 E	.003	126.12	46.61	USCGS	
		15	0750		/PPS/						
		15	24,5		LQ	EG					
		15	40,1		LR	NG					
355	18	22	21	01.9	20.2 S	174.1 O	.000	149.46	357.15	USCGS	
		22	40	53	PKP2	VG					
		23	03	47	SS	EG					
		23	47,1		LM	EG					
356	19	23	35	06.0	06.0 S	150.8 E	.000	127.30	43.74	USCGS	
		23	54	17	/PKP/	VG		127,5			
		23	57	49	PKS	EG					
		24	07	59	PPS	EGNG					
		24	13	33	SS	EG					
		24	13,8		SSP	NG					
		24	30,2		LQ	VG					
		24	40,1		LR	EG					
357	20	09	50	13.5	00.2 S	018.2 O	.000	54.26	208.19	USCGS	
		10	16,5		LQ	EG					
358	20	23	33	08.9	44.6 N	149.7 E	.000	80.41	24.34	USCGS	
		23	45	19	P	VG					
		23	11,8		LQ	EG					
		23	21,4		LM	VG					
359	24	12	40	51.4	13.1 N	124.7 E	.000	97.94	58.11	USCGS	
		13	05	09	SKS	NG					
		13	28,6		LQ	NG					
		13	34,1		LR	VG					
		13	34,4		MQ	NG					

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NOVEMBRE - DECEMBRE

360	26	10 21 07.2 10 53 27 11 02,3 11 06,9 11 11,8	24.9 N /SSS/ LQ LR LM	122.0 E EG NG VG NE	.000	86.80	53.68	USCGS
361	27	13 47 42.7 14 31,7 14 36,4	37.9 N LM LM	138.3 E NG VG	.000	82.92	35.04	USCGS
362	28	16 49 30.3 17 03 03 17 07,0	08.0 S E E	071.4 O VG EG	.097	87.18	253.96	USCGS
363	30	04 11 42.9 4 22,9	71.8 N LR	002.7 O NG	.000	21.33	353.90	USCGS
364	30	12 27 38.6 12 40 17 12 50 45 12 56 27 13 03,0 13 26,6	06.8 N P S SS LQ LM	094.8 E VG EGNG NG NG VG	.000	85.02 86,0	85.36	USCGS
365	02	08 20 45.6 8 36,0	30.6 N LQ	042.0 O NG	.000	39.72	257.49	USCGS
366	03	03 50 01.2 4 02 34	15.0 S P	066.8 E VG	.002	85.04	120.70	USCGS
367	06	23 51 38.8 39,1	53.9 N LM	161.5 E EG	.001	74.01	13.84	USCGS
368	06	04 27 16.0 5 31,7	02.3 S LR	138.3 E EG	.000	118.06	54.64	USCGS
369	07	08 58 43.8	05.4 S	151.3 E	.003	126.98	42.85	USCGS

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DECEMBRE

10 00,4

LR

NG

370	07	18 52 47.6 19 30,2	06.7 N LQ	082.2 O EG	.000	82.63 271.59	USCGS
371	08	17 49 46.3 18 32,2 18 39,1	34.7 N LR LM	139.2 E EG VG	-.001	85.93 35.81	USCGS
372	10	15 11 05.5 15 23 16 15 33 03 15 38 19 15 49,7 15 57,0 16 02,5	40.4 N P /S/ /SS/ LQ MQ MR	138.9 E NG NE EG NG NG VG	.000	80.92 33.46 81,2	USCGS
373	11	23 30 51.4 15,5 20,8	40.2 N LM LM	139.0 E NG VG	.001	81.13 33.48	USCGS
374	14	01 59 05.6 2 45,7	54.3 S LQ	002.4 O NG	.000	104.79 184.09	USCGS
375	15	12 13 25.8 12 25 30 12 35 46 12 48,6	14.7 N P S LQ	091.7 O VGNG EG NG	.013	82.50 283.95	USCGS
376	17	05 18 34.8 5 30 43 6 02,5	45.4 N P LM	150.1 E NG EG	.000	79.77 23.77	USCGS
377	17	22 39 52.0 22 40 17 22 40 28	50.7 N /PG/ SG	006.0 E NG EG	.000	1.05 94.78	BCIS

378	17	23 44 46.2 23 56 41 24 23,2	51.4 N P LR	177.9 O VG NG	.004	78.26	1.45	USCGS
379	22	04 36 34.0 4 44 52 4 45 11 4 51 31 4 59,0 5 07,2	28.1 N P E S LQ LR	056.9 E VGNG NE EG NG VG	.000	45.32 45,4	99.54	BCIS
380	22	08 01 12.6 8 20 17 8 34,8	18.4 N S LR	068.8 O EG NG	.013	65.33	269.15	USCGS
381	22	20 54 35.3 21 31,4 21 37,5 21 39,5	31.9 N LQ LR M	117.1 O EG VG EG	.000	82.87	313.01	USCGS
382	23	19 47 59.3 20 35,3 20 42,9	30.3 N LR LM	131.1 E NG VG	.000	86.62	43.97	USCGS
383	24	18 45 45.5 19 46,6	04.4 S LR	153.1 E EG	.010	126.85	40.29	USCGS
384	24	19 55 01.3 20 40,6	35.1 N LR	139.2 E EG	.005	85.73	35.67	USCGS
385	25	14 37,0	L	EG				
386	25	17 01 32.2 17 47,1	34.8 N LR	139.3 E NG	.000	86.04	35.73	USCGS
387	26	08 16 28.9	16.7 N	099.6 O	.000	85.74	291.16	USCGS

9 04,7				LM	EG				
388	26	14 30	29.1	51.8 N	156.8 E	.016	75.23	17.29	USCGS
		14 41	21	/P/	NG				
		14 51	23	S	EG				
		15 00,6		LQ	EG				
389	27	17 43	21.4	12.9 N	125.4 E	.000	98.49	57.64	USCGS
		18 32,2		LQ	EG				
		18 44,0		LM	VG				
390	28	16 16	11.0	22.1 S	179.6 O	.091	151.20	7.64	USCGS
		16 34	58	PKP1	VGNG				
		16 35	08	PKP2	EE				
		16 37	13	*PPKP	VG				
391	29	06 39	08.0	51.5 N	174.8 O	.000	78.17	359.46	USCGS
		6 51	18	P	NG				
		7 24,2		LM	NG				