

OBSERVATOIRE ROYAL DE BELGIQUE BULLETIN SEISMIQUE

Année 1965

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.

En 1965, 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 :

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

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 1965, la température a varié entre 13,8° et 17,0° C et le degré d'humidité a été maintenu à 60 %.

Analyse des séismogrammes et bulletins. - En 1965, 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°	J O U R	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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JANVIER

1	01	21 38	32.0	35.7 N	004.4 E	.000	15.09	179.87	5.5	BCIS
		21 42	06	P	NE,NG		14.8			
		21 42	13	E	NG					
		21 42	18	PP	NG					
		21 42	26	PPP	VG.EG.NG					
		21 42	37	E	VG.EG.NG					
		21 42	45	E	EG					
		21 44	52	S	EG.NG					
		21 45	07	SS	NG					
		21 45.7		LQ	NG					
		21 46.8		LR	VG					
		21 49.0		M	NE					
2	02	13 44	18.9	19.1 N	145.4 E	.017	102.47	37.51	6.1	USCGS
		14 31.1		LQ	NG					
		14 44.6		LR	VG					
3	05	18 05	58.6	20.3 S	174.1 O	.000	149.56	357.15	6.0	USCGS
		18 25	53	PKP	VG.NG					
		19 32.1		L	NG					
4	07	15 56	32.5	16.2 N	097.2 O	.002	84.70	289.03	5.5	USCGS
		16 52.5		L	EG					
5	08	21 08	06.0	13.2 S	112.0 O	.000	116.65	282.30	5.3	USCGS
		22 06.2		L	EG					
6	10	02 52	23.9	45.8 N	026.6 E	.015	15.60	100.06	5.3	USCGS
		2 56	01	P	VG.FEG					
7	10	13 36	30.7	13.5 S	166.6 E	.000	140.10	27.55	6.5	USCGS
		13 55	55	PKP1	VE	.000	140.0			D
		13 56	00	E	VG					C
		13 58	50	E	VG.NG					
		13 58	52	/PP/	VE,NE					
		13 59	36	E	VG,EG					
		14 04	11	E	VE					
		14 18	40	E	VE					
		14 19	03	E	VE					
		14 36.0		LQ	NG					
		14 46.8		LR	VG					
		14 49.2		M	NG					

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JANVIER - FEVRIER

8	12	13 32	24.0	27.6 N	088.0 E	.000	65.26	76.21	6.1	USCGS
		13 43	08	P	VG.NG				D	
		13 43	11	E	VG					
		14 07.1		L	EG					
9	15	06 00	00.0	49.8 N	078.0 E	.000	45.24	61.17	6.9	BCIS
		6 08	25	P	VG.NG.EG					
10	15	23 47	29.0	35.7 N	004.4 E	.000	15.09	179.87	5.2	BCIS
		23 51	09	P	VG,NG	.000	15.7			
		23 51	22	/PP/	VG,NG					
		23 54	04	S	EG					
		23 54.2		LQ	EG					
		23 56.6		LR	VG					
11	24	00 11	12.1	02.4 S	126.0 E	.000	111.35	66.00	6.6	USCGS
		26 04		P	VE.VG.EG					
		29 34		E	VE.VG.EG					
		30 04		PKP	VG.NG					
		30 24		E	EE.EG					
		30 33		E	EE.NE.VG					
		30 43		E	EE.NE.EG					
		33 01		E	VG.NG					
		33 10		E	VG.EG					
		36 23		E	NG					
		40 16		I	NE					
		46 13		LQ	EG					
		48 43		LR	VG					
12	01	05 27	04.5	18.6 S	178.1 O	.069	147.83	4.38	5.6	USCGS
		5 46	00	PKP	VG,NG					
13	02	04 30	33.1	17.2 N	094.5 O	.017	82.30	287.64	5.3	USCGS
		4 42	45	P	EG					
14	02	15 56	51.0	37.5 N	073.4 E	.000	49.46	77.47		USCGS
		16 05	48	P	VG		45.3			
		16 12	29	S	NG					
		16 16,6		LQ	NG					
		16 17,1		LR	VG					

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FEVRIER

15	04	03 25	00.8	51.8 S	139.7 E	.000	152.26	109.67	5.9	USCGS
		3 45	03	PKP	VE,EE					
		3 45	14	E	NE					
		3 55	17	E	EE					
16	04	05 01	21.8	51.3 N	178.6 E	.001	78.26	3.69	7.5	USCGS
		5 13	20	P	VG	.000	78.3			
		5 13	28	PCP	VG,NE					
		5 13	37	E	VG,EE					
		5 13	50	I	VG,EG					
		5 15	02	E	EG					
		5 16	08	E	EG					
		5 19	31	E	EG					
		5 22	24	E	EG					
		5 23	29	E	EG,EE					
		5 23	53	/PS/	NE					
		5 25	09	E	NE					
		5 28	44	E	NE					
		5 35,2		L	EE					
		5 47,1		MQ	EE					
		5 53,8		MR	VE,EE					
17	04	08 40	40.9	51.3 N	179.5 E	.000	78.29	3.11	6.4	USCGS
		8 52	38	P	VG	.000	78.3			C
		9 02	31	S	EE,NG					
		9 13,3		L	EG					
18	04	12 06	04.3	52.6 N	172.1 E	.000	76.55	7.66	5.8	USCGS
		12 17	54	P	VE,VG	.000	76.8			
		12 27	38	S	EG					
		12 38,3		LQ/LR	EG					
19	04	14 18	27.9	53.0 N	171.0 E	.000	76.06	8.28	5.7	USCGS
		14 30	14	P	VE,VG	.000	76.2			
		14 39	56	S	NE,EG					
		14 44	41	/SS/	NG					
		14 53,3		LR	EG					
20	04	15 51	25.5	53.1 N	170.8 E	.001	75.94	8.38	5.7	USCGS
		16 03	10	P	VG	.000	76.1			
		16 12	53	S	NG					
		16 30,7		L	NG					

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FEVRIER

1	21	04	19 44	05.6	13.3 N	044.8 O	.000	54.47	244.78	5.4	USCG
			19 53	32	P	VG	.000	54.5			
			20 01	13	S	VG,EG					
			20 07,1		LQ	NG					
			20 15,5		LR	VG					
1	22	05	09 32	09.3	52.3 N	174.3 E	.001	77.02	6.32	5.9	USCG
			9 43	59	P	VG,NG	.000	77.0			
			9 53	44	S	EG					
			10 08,3		LQ	NG					
			10 12,0		LR	EG					
1	23	05	20 47	13.3	51.9 N	174.6 E	.000	77.44	6.18	5.7	USCG
			20 59	06	P	VG	.000	77.4			
			21 09	01	S	NG					
			21 29,9		LQ	NG					
			21 38,5		LR	VG					
1	24	06	01 40	33.2	53.2 N	161.9 O	.000	75.82	351.52	6.4	USCG
			1 52	18	P	VG,NG	.000	76.2			D
			2 02	02	S	NG					
			2 06	11	E	VG					
			2 13,2		LQ	VG					
			2 27,2		LR	VG					
1	25	06	04 02	53.0	52.1 N	175.7 E	.000	77.31	5.46	5.9	USCG
			4 14	46	P	VG	.000	77.3			
			4 24	31	S	EG					
			4 35,7		LR	NG					
1	26	06	16 50	29.0	53.3 N	161.8 O	.000	75.72	351.48	6.5	USCG
			17 02	14	P	NG	.000	75.7			
			17 11	49	S	EG					
			17 23,7		LQ	EG					
			17 26,7		LR	NG					
1	27	07	02 17	09.2	51.4 N	173.4 E	.001	77.85	7.00	6.0	USCG
			2 29	05	P	VG,NG	.000	78.9			
			2 38	56	S	EG					
			2 55,2		L	EG					

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FEVRIER

28	07	04 11 19.3 4 33 19 4 47,3	51.9 N S L	175.3 E NG NG,EG	.000	77.49	5.74 5.5	USCGS
29	07	09 25 51.1 10 00,6	51.4 N L	179.1 E NG	.000	78.18	3.36 5.3	USCGS
30	07	19 28 46.0 20 14,6	51.7 N L	171.7 E EG	.000	77.41	8.04 4.6	USCGS
31	08	15 46 49.9 15 58 20 16 07 47 16 32,3	55.1 N P S LR	165.7 E VG NG EG	.001 .000	73.42 73.4	11.07 5.6	USCGS
32	09	15 47 18.0 6 01 22	51.8 N P	177.7 E VG	.000	77.72	4.23 4.4	USCGS
33	09	17 37 15.9 17 49 02 18 26,2	52.8 N P L	171.9 E VG EG	.001	76.33	7.75 5.7	USCGS
34	09	20 38 48.0 20 48,3	38.0 N LR	020.5 E EG,NG	.000	17.17 131.95		BCIS
35	09	23 11 26.7 23 51,6	52.2 N L	173.3 E NG	.000	77.04	6.96 5.1	USCGS
36	10	16 09 54.0 16 29,5	37.6 N L	047.0 E NG	.002	32.83 96.99		BCIS
37	11	02 33 29.3 2 53 04	21.8 S PKP	176.0 0 VG	.022	151.07	.69 5.8	USCGS

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FEVRIER

38	11	04 42 00.7 4 59 05 5 09,1	01.3 S S L	014.4 O NG NG	.000	54.26 203.32	USCGS
39	11	08 53 21.8 9 48,6	24.0 N L	122.5 E EG	.001	87.68 53.77	USCGS
40	11	16 10 30.4 16 22 52	01.4 S P	077.8 O VG	.025	86.05 263.05 5.1	BCIS
41	12	00 43 17.1 55 24 1 05 13 1 20,1	51.5 N P S LR	175.8 E VG EG EG	.000 .000	77.91 5.46 5.7 78.9	USCGS
42	12	00 55 06.0 1 07 04 1 16 55 1 32,5	52.2 N P S LR	172.8 E VG EG,NG NG	.000	77.01 7.27 6.0 77.5	USCGS
43	14	19 37 16.0 19 42 17 19 46 21 19 47,6	73.1 N P S L	005.8 E VG EG NG	.000	22.41 1.11 22.4	BCIS
44	15	01 25 08.8 2 06,9	51.4 N L	179.4 O NG	.001	78.04 2.40	USCGS
45	16	12 24 08.8 13 07,3 13 15,4	39.5 N LQ LR	141.8 E NG VG	.000	82.72 31.85 5.6	USCGS
46	17	10 18 51.2 10 51,3	51.3 N L	176.6 E NG	.002	78.16 4.97 5.6	USCGS
47	18	23 13 36.3	51.4 N	179.1 E	.000	78.18 3.36 5.4	USCGS

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FEVRIER

		23	35	38		S		NG					
		23	46,3			L		EG					
48	21	11	14	15.1	15.1	S	173.2	0	.000	144.36	355.95	6.0	USCGS
		11	33	54	PKP			VG					
		12	14,3		L			EG					
49	22	21	38	15.5	18.9	S	175.3	E	.006	147.38	16.05	4.9	USCGS
		21	57	53	PKP			VG					
		22	58,2		L			NG					
50	23	22	11	50.2	25.7	S	070.5	0	.007	100.48	242.37	6.2	USCGS
		22	25	32	P			VG					
		22	29	39	E			VG					
		22	36	09	E			NG					
		22	44	06	E			NG					
		22	53,1		LQ			EG					
		23	01,5		LR			VG					
		23	04,8		MR			VE					
51	24	08	09	17.2	14.0	N	092.2	0	.004	83.35	283.88	5.0	USCGS
		8	49,9		L			NG					
52	25	04	51	27.8	05.5	S	152.0	E	.000	127.38	42.11	6.5	USCGS
		5	10	33	P			VG,NG					
		5	10	44	E			VG					
		5	22	38	E			EG					
		5	30,1		L			EG					
53	25	05	22	14.5	52.1	N	173.2	0	.000	77.55	358.46	5.6	USCGS
		5	34	05	P			VE,VG	.000	77.3			C
		5	43	55	S			EG					
		5	52,5		LQ			EG					
		5	59,5		LR			VE					
		6	07		MR			EE					
54	25	19	23	33.0	11.4	S	166.1	E	.008	137.92	27.28		USCGS
		20	23,2		L			NG					

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FEVRIER - MARS

55	26	01 37 05.6 2 04,2	35.1 N L	057.6 E EG	.000	41.08	91.39	5.2	USCGS
56	26	04 42 28.3 6 06,8	18.6 S L	176.0 O NG	.000	147.89	.64	5.3	USCGS
57	26	05 36 01.1 6 46,0	18.9 S L	176.3 O NG	.004	148.19	1.18	5.4	USCGS
58	26	23 36 12.2 23 57 21 23 57 45	06.9 N S E	073.0 O NG EG	.018	76.65	264.56	5.7	USCGS
59	27	07 46 29.1 7 59 03 8 09 25 8 20,7 8 29,3	28.5 N P S LQ LR	112.1 O VG,NG NG EG VG,NE	.000	83.25 84.1	307.49	5.3	USCGS
60	01	07 20 55.3 8 23,2	05.5 S L	162.1 E EG	.000	131.18	30.06	5.7	USCGS
61	01	13 20 56.7 14 09,5	21.2 N L	121.2 E EG	.001	89.31	56.34		USCGS
62	01	15 54 24.5 16 47,6 16 45 10	41.4 S L E	085.6 O NG VG	.000	120.47	240.91	5.2	USCGS
63	01	21 32 11.8 21 44 26 21 47 37 21 54 33 21 54 41 21 55 18 21 55 43 21 59 10 22 06,9	15.4 N P /PP/ S SKS PS PPS E LR	092.5 O VG EG EG VG NG EG EG EG	.009 .009	82.46 82.5	284.99	6.0	USCGS

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MARS

64	01	21 52	04.4	23.5 S	179.0 E	.079	152.44	10.68	5.2	USCGS
		23 14,3		LM	VG					
65	02	22 00	07.8	38.6 N	028.3 E	.000	20.83	116.59	5.7	USCGS
		22 04	52	P	NG	.000	21.1			
		22 08	43	S	EG					
		22 10,5		LQ	NG					
		22 11,9		LR	VG					
66	03	03 17	04.1	27.2 S	177.6 O	.000	156.39	4.36	5.4	USCGS
		4 30,3		L	NG					
67	03	06 14	57.0	49.8 N	078.1 E	.000	45.29	61.12	5.6	USCGS
		6 23	19	P	VG					
68	03	15 14	09.7	05.5 S	151.9 E	.002	127.33	42.22	4.2	USCGS
		15 33	15	PKP	VG	.000	127.3			
		15 45	31	E	EG					
		15 53	01	E	EG					
		16 08,2		LQ	EG					
		16 15,0		LR	VE					
		16 20,3		MQ	EG					
		16 31,4		MR	EE					
69	03	16 47	25.7	53.1 N	171.2 E	.000	75.98	8.14	5.6	BCIS
		16 59	13	P	VG					
70	04	00 47	11.0	47.6 N	000.6 O	.000	4.56	227.35		BCIS
		48 33		P*	NE		4.6			
		48 43		PG	VG					
		49 20		SN	NE					
		49 43		SG	NE					
		49 48		E	NE					
		49 53		E	EG					
71	05	06 15	01.1	51.2 N	179.3 E	.000	78.38	3.25	5.6	USCGS
		6 27	18	P	NG					
		7 02,7		L	EG					

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MARS

72	05	13 42 44.1	52.3 N	174.9 E	.000	77.06	5.95	5.3	USCGS
		14 11,9	E	EG					
		14 20,1	L	NG					
73	05	17 59 13.5	52.3 N	174.2 E	.000	77.01	6.38		USCGS
		18 37,3	L	NG					
74	05	23 29 32.2	53.0 N	171.1 E	.002	75.88	8.20		USCGS
		9,1	L	NG					
75	06	08 19 30.5	52.4 N	174.2 E	-.002	76.73	6.36		USCGS
		8 56,3	L	NG					
76	06	20 23 49.5	20.1 N	121.3 E	.000	90.36	56.91	5.8	USCGS
		20 47 30	SKS	EG					
		21 10,0	LQ	EG					
		21 16,2	LR	VG					
77	07	01 43 11.4	30.3 S	177.9 O	.004	159.46	5.58	5.6	USCGS
		2 03 14	PKP	NG					
		2 33,2	SSS	EG					
78	07	07 32 38.1	12.1 N	046.3 E	.001	51.46	123.34	4.9	USCGS
		7 56,1	L	NG					
79	09	17 57 53.7	39.4 N	024.0 O	.000	22.89	251.13		USCGS
		18 02 04	P	VG		16.8			
		18 02 18	PP	VE					
		18 05 11	S	EG					
		18 05 30	SS	NG					
		18 06,4	LQ	NG					
		18 07,4	LR	VE					
80	09	19 46 59.0	39.0 N	024.3 E	.000	18.34	122.35		USCGS
		19 57,1	LR	NG					

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MARS

81	09	21 20 04.9 21 29,6	39.2 N LR	023.8 E EG	.000	17.92	122.82	4.7	USCGS
82	09	22 19 08.0 22 28,9	38.9 N L	024.5 E NG	.000	18.52	122.21		BCIS
83	09	22 35 16.0 22 45,1	39.2 N L	023.7 E NG	.000	17.87	123.01	4.8	USCGS
84	10	01 36 05.0 1 45,7	39.0 N LR	024.2 E EG	.000	18.28	122.53		USCGS
85	10	05 44 47.8 5 52 10 6 01,4	32.8 N P L	049.2 E NG NG	.000	37.28	101.37	5.4	USCGS
86	10	15 53 37.8 16 12 32	21.9 S PKP	179.6 E VG	.080	150.93	9.12	5.7	USCGS
87	10	21 50 17.0 22 00,7	39.3 N L	023.9 E NG	.000	17.90	122.42	4.9	USCGS
88	11	17 07 06.0 17 34 50 17 57,5	54.7 S SP L	000.7 E NG EG	.000	105.08	182.20	5.3	USCGS
89	13	04 09 38.5 4 13 50 4 17 12 4 18,6 4 19,4 4 20,3	39.0 N P S LQ LR LM	023.4 E VG NG EG VG	.000	17.86 18.1	124.01	5.3	USCGS
90	13	15 42 16.8 15 51,8	39.1 N L	024.1 E EG	.000	18.16	122.50	4.5	USCGS

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MARS

91	14	15 53	06.6	36.3 N	070.7 E	.029	48.61	80.52	7.7	USCGS
		16 01	29,9	IP	VE	.030	48.8			
		16 03	17	E	VG					
		16 04	04	E	NG					
		16 08	14,9	IS	VE					
		16 12	29	LQ	NG					
		16 14	33	LR	VG					
92	15	02 02	08.9	22.4 N	121.4 E	.000	88.43	55.51		USCGS
		2 47,5		LR	EG					
93	16	16 46	15.5	40.8 N	142.9 E	.000	81.91	30.52	6.5	USCGS
		16 58	36	P	VG	.000	82.0			C
		17 08	42	S	EE					
		17 24,5		LQ	EG					
		17 29,8		LR	VG					
94	18	06 22	02.9	19.9 S	176.1 O	.018	149.18	.84	5.5	USCGS
		6 41	37	PKP	VG					
		6 42	34	E	VG					
95	19	16 20	51.4	02.0 S	119.8 E	.002	107.36	71.05	5.0	USCGS
		17 01,8		L	EG					
96	21	09 42	41.3	11.7 N	086.4 O	.000	81.49	278.01	5.2	USCGS
		10 24,2		L	EG					
97	21	11 08	16.2	01.5 S	126.5 E	.000	110.91	65.01	6.7	USCGS
		11 27	37	P	VG					
		11 37	11	S	EG					
		12 03,1		LQ	EG					
		12 12,6		LR	VG					
98	22	02 44	47.5	15.3 S	173.4 O	.003	144.57	356.27	6.5	USCGS
		3 04	22	PKP	NE					
		3 05	09	E	NE					
		3 08	02	E	NE					
		3 53,2		LQ	NG					
		4 00,7		LR	VG					

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MARS

99	22	22 56	26.5	31.9 S	071.5 O	.002	105.82	239.06	6.0	USCGS
		23 21	37	E	EG					
		23 29	44	E	NG					
		23 41,6		LQ	NG					
		23 49,1		LQ	EG					
		23 54,4		LR	VG					
100	23	18 16	08.4	15.2 S	173.5 O	.007	144.47	356.44	5.4	USCGS
		19 32,5		L	NG					
101	23	23 54	14.7	15.2 S	173.5 O	.015	144.43	356.45		USCGS
		13 46		P	VG					C
		28 39		E	NG					
		1 03,4		LQ	NG					
		1 14,1		LR	VG					
102	24	08 08	05.2	56.6 N	152.4 O	.000	71.34	346.68	5.0	USCGS
		8 22	17	P	VG					
		8 50,4		L	EG					
103	24	22 42	09.6	84.0 N	126.6 E	.003	42.92	7.52	5.8	USCGS
		23 41,0		L	NG					
104	28	13 22	57.6	55.1 N	162.1 E	.000	72.94	13.17	5.9	USCGS
		13 34	26	P	VG					
		13 44	32	E	NG					
		13 56,5		L	EG					
105	28	16 33	14.6	32.4 S	071.2 O	.003	106.04	238.53	7.2	USCGS
		16 47	23	P	NG	.000	106.0			
		16 51	42	/PP/	VG					
		16 57	56	E	VG					
		17 05,5		LQ	NG					
		17 21,0		LR	VG					
		17 25,5		M	EG					
106	29	10 47	37.6	40.8 N	142.8 E	.000	81.88	30.59	6.1	USCGS
		10 59	55	IP	VE	.000	81.9			
		11 03	05	PP	VG					
		11 10	03	S	EE					

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MARS - AVRIL

		11 33,1			LR	NE				
107	30	00 21 00.2	40 49	20.0 S	PKP	173.9 0	.000	149.22	356.80	USC
108	30	02 27 07.2	2 39 07	50.6 N	P	177.9 E	.003	78.74	4.19	USC
		2 39 09			IP			78.7		
		2 42 14			PP					
		2 44 04			E					
		2 49 04			S					
		3 00,0			LR					
		3 14,1			MR					
109	31	09 47 30.7	9 51 32	38.6 N	IP	022.4 E	.007	17.64	126.80	4.5 USC
		9 51 47			PP		.007	16.7		
		9 51 58			PPP					
		9 54 53			IS					
		9 55 18			SSS					
		9 55 55			LR					
		9 57 32			MR					
110	03	11 20 43.5	11 33 24	16.0 N	P	097.9 0	.000	85.27	289.44	5.2 USC
		11 43 59			S			85.7		
		12 00,8			LQ					
		12 13,5			LR					
111	03	11 19 13.0	11 41 49	16.1 N	P	097.8 0	.002	85.07	289.45	USC
		11 49 35			S		.000	85.5		
		11 52 31			E					
112	04	13 30 37.8	13 42 35	51.9 N	P	175.2 E	.001	77.48	5.80	6.0 USC
		14 17,3			L					
113	05	03 12 24.0	3 17 07	37.7 N	P	021.8 E	.000	18.04	129.85	4.7 USC
						VG,EE		18.1		D

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AVRIL

		3	17	15	E							
		3	20	27	S	EE,NG						
		3	21,9		LQ	NG						
		3	22,7		LR	VG						
		3	23,5		M	EG,NG						
114	05	13	52	13.4	44.6 N	151.1 E	.007	80.78	23.39	5.0	USCGS	
		14	04	23	P	VG,NG	.000	80.1				
		14	14	22	S	NG						
		14	30,2		L	EG						
115	06	06	16	38.0	37.8 N	002.5 O	.000	13.88	203.22		BCIS	
		6	20,1		L	EG						
116	06	09	42	28.2	00.5 S	119.9 E	.000	106.23	70.04	5.3	USCGS	
		10	01	11	P	VG						
		10	16	17	/SS/	NG						
		10	32,7		LQ	NG						
		10	48,3		LR	VG						
117	08	13	43	52.8	52.2 N	173.5 E	.002	77.06	6.84	5.4	USCGS	
		13	55	49	P	VG		77.0				
		14	05	37	S	EG,NG						
		14	10	49	/SS/	NG						
		14	21,2		LQ	NG						
		14	26,0		LR	VG						
		14	30,8		M	EG						
118	09	10	45	29.4	32.6 S	178.3 O	.003	161.71	7.17	5.1	USCGS	
		12	15,5		L	NG						
119	09	23	57	03.5	35.1 N	024.3 E	.003	21.31	129.77		USCGS	
		1	48,9		P	VE,EE		21.0				
		2	03,9		E	VE						
		5	38,9		S	EE						
		5	48		IS	EE						
		7,8			LQ	NG						
		8,5			LR	NG						
120	10	14	11	22.0	37.6 N	073.4 E	.000	49.48	77.39	5.5	USCGS	

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AVRIL

		14	36,2		L		NG					
121	10	14	46	50.7	20.2 S	173.7 0	.000	149.44	356.41	5.7	USCGS	
		15	06	46	PKP	VG						
122	10	22	32	46.6	17.8 S	178.8 0	.080	147.00	5.53	5.7	USCGS	
		22	51	31	IPKP	VG						
		22	51	34	E	VG						
		23	31,0		L	EG						
123	11	00	11	08.8	42.7 S	173.9 E	.000	149.12	45.51	6.2	USCGS	
		1	33,5		L	NG						
124	12	20	26	15.3	32.3 S	178.5 0	.021	161.40	7.61	5.9	USCGS	
		21	56,2		L	NG						
125	15	23	39	55.0	17.6 S	173.4 0	.002	146.85	356.09	4.8	USCGS	
		23	24,9		L	EG						
126	16	23	22	18.6	64.7 N	160.1 0	.000	64.29	352.65	4.6	USCGS	
		23	32	58	P	NG		64.0				
		23	33	01	P	VE,NG						
		23	41	31	S	NG						
127	18	06	33	58.8	41.5 N	127.1 0	.000	78.85	324.98	5.6	USCGS	
		7	18,1		L	NG						
128	18	09	39	18.7	59.8 S	026.8 0	.000	113.00	196.52	5.9	USCGS	
		10	08	33	E	NG						
		10	14	45	E	NG						
		10	27,5		LQ	NG						
		10	40,9		LR	VG						
129	18	12	41	54.9	59.7 S	026.4 0	.000	112.84	196.35	5.8	USCGS	
		13	36,1		L	NG						

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AVRIL

130	19	23 41	58.8	34.9 N	138.0 E	.000	85.46	36.64	5.6	USCGS
		23 54	38	P	VG,EG		85.0			
		24 05	06	S	EG,NG					
		24 22,3		LQ	NG					
		24 30,2		LR	VG					
131	20	06 50	17.6	54.6 N	161.4 E	.000	73.32	13.71	5.3	USCGS
		7 02	00	P	VG					
132	24	21 55	26.5	11.4 N	140.2 E	.004	107.15	45.63	5.7	USCGS
		22 53,2		LQ	EG					
		23 01,9		LR	VG					
133	25	01 00	11.6	24.5 N	142.7 E	.000	96.55	37.55	5.6	USCGS
		1 49,9		LQ	EG					
		1 59,3		LR	VG					
134	26	01 57	14.4	58.9 N	142.7 O	.000	67.49	342.20	5.3	USCGS
		2 33,1		L	EG					
135	26	20 29	07.4	54.5 N	162.6 O	.003	74.60	352.15	5.9	USCGS
		20 40	42	P	VG,NG					
		21 13,1		L	EG					
136	26	22 15	42.5	21.1 N	120.7 E	.000	89.23	56.81	5.0	USCGS
		22 28	37	P	VG,NG		89.1			
		22 32	09	PP	VG					
		22 39	25	S	EG					
		22 45	21	SS	NG					
		22 59,8		LQ	NG					
		23 04,4		LR	VG					
		23 04,9		M	NG					
137	27	14 09	07.1	35.7 N	023.5 E	.003	20.45	130.21	5.5	USCGS
		14 13	44	P	NE,VE,NG		20.5			
		14 14	03	PP	VG					
		14 17	29	S	NG					
		14 20,1		LR	VE					

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AVRIL - MAI

	138	29	09 46	57.7	37.0 N	026.9 E	.000	21.20	121.92	4.1 U
			9 51	50	P	VG				
			9 59,2		LR	EG,NG				
121	139	29	15 28	43.3	47.4 N	122.4 O	.004	72.06	325.09	6.6 U
			15 40	04,4	IP	VG	.002	71.8		
			15 40	18	*PP	NE				
			15 42	48	PP	NG				
12:			15 49	20	S	NG				
			15 54	03	SS	NG				
			16 00,2		LQ	EG,NG				
			16 02,7		LR	NE,NG				
			16 08,2		M	NE				
12:	140	30	11 19	16	PG	VE				
			11 19	19,4	ISG	NG		.65		
12:	141	01	01 59	44.0	37.0 N	027.0 E	.000	21.25	121.76	B
			2 04	31	P	EG				
			2 08	26	E	EG				
12:			2 11,6		L	NG				
12:	142	01	13 02	44.5	12.3 N	143.7 E	.000	107.89	42.00	5.7 U
			13 59,1		L	EG				
12:	143	01	21 27	54.4	60.4 N	146.0 O	.000	66.69	344.48	5.3 U
			21 38	51	P	VEN,G		66.7		
			21 47	38	S	NG				
12:			21 59,5		L	EG				
1:	144	02	07 13	42.0	28.9 N	128.9 E	.000	86.82	46.34	5.0 U
			7 59,0		M	EG				
1:	145	03	10 01	35.2	13.5 N	089.3 O	.000	81.93	281.37	5.1 U
			10 36,6		LR	NG				
			10 44,3		M	EG				
1:	146	04	08 34	39.8	41.7 N	079.4 E	.000	50.61	69.45	5.7 U

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MAI

155	19	23 32	14.0	20.8 S	178.5 O	.081	149.99	5.35	5.4	USC
		23 51	04	P	VG,NG					
156	20	00 40	10.9	14.7 S	167.4 E	.000	141.47	26.94	5.6	USC
		59 41		P	VG,NG					
		1 02	47	E	VE					
		1 21	11	E	EG					
		1 27	01	E	NG					
		1 40,3		LQ	EG					
		1 48,1		LR	VG					
		1 51,6		MQ	EG					
		2 00,0		M	EG,NG					
157	22	10 31	39.5	21.1 S	178.7 O	.085	150.28	5.77	6.0	US
		10 50	29	PKP1	VG	.085	150.0			D
		10 52	42	*PPKP1	VG,EG					
		11 15,9		L	NG					
158	23	23 46	12.0	52.2 N	175.0 E	.000	77.17	5.89	6.1	US
		23 58	07	P	VG		76.7			
		24 07	53	S	EG,NG					
		24 12	48	SS	NG					
		24 21,6		L	EG					
159	24	23 21	10.6	13.0 N	124.5 E	.000	97.92	58.33	5.9	US
		23 47	39	E	EG,NG					
		24 07,2		LQ	NG					
		24 19,3		LR	VG					
160	25	13 07	49.7	51.3 N	178.7 E	.000	78.26	3.63	5.9	US
		13 19	50	P	VG					
		13 29	56	E	NG					
		13 35	23	/SS/	NG					
		13 45,7		LQ	NG					
		13 59,7		LR	VG					
161	25	18 34	28.2	17.0 S	175.9 E	.000	145.62	14.43	5.2	US
		18 54	14	P	VG					
		19 43,7		L	NG					
162	26	04 58	39.2	13.7 N	090.6 O	.001	82.59	282.48	5.2	US

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MAI - JUIN

		5	40,9		L		NG					
	163	26	19 44 10.9		56.1 S		027.6 O	.014	109.69	198.37	6.7	USCGS
			20 11 33		E		EG					
			20 12 29		E		NG					
			20 22,5		E		NG					
			20 25,6		L		EG					
	164	27	22 29 52.7		52.4 N		173.5 E	.041	76.86	6.81	5.0	USCGS
			23 14,4		L		NG					
	165	29	04 14 58.0		35.2 N		022.7 E	.000	20.48	132.56		BCIS
			4 26,8		L		NG					
	166	31	02 04 42.9		32.6 N		078.2 E	.000	55.71	78.92	5.3	USCGS
			2 32,4		L		NG					
	167	31	09 22 21.0		42.9 N		012.8 E	.000	9.79	140.60	4.4	USCGS
			9 22,7		L		EG					
	168	31	11 38 28.0		07.5 S		128.7 E	.001	117.02	66.85	6.0	USCGS
			12 03 56		E		EG					
			12 08 06		E		EG					
			12 36,5		L		NG					
	169	31	14 59 37.4		00.0 S		018.7 O	.000	54.22	208.85		USCGS
			15 26,2		L		EG					
	170	01	07 52 26.1		28.5 N		083.2 E	.000	61.64	78.89	5.2	USCGS
			8 27,1		L		NG					
	171	01	15 18 31.2		37.8 N		026.6 O	.000	25.48	251.33	4.9	USCGS
			15 24 06		P		EG,NG		26.0			
			15 28 39		S		VG,EG					
			15 30,5		L		EG					

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172	02	05 12	59.1	23.5 S	180.0 E	.079	152.53	8.69		USC	
		5 31	56	PKP1	VG	.077					
		5 32	10	/PKP2/	VG,NG						
		5 34	01	*PPKP1	VG						
173	02	13 57	51.0	04.6 S	105.0 O	.000	105.68	282.29	4.8	USC	
		14 49,5		L	NG						
174	02	14 45	55.8	17.9 S	179.0 O	.095	147.09	5.89	5.1	USC	
		15 04	32	PKP	NG						
175	02	14 58	31.9	18.0 S	179.0 O	.092	147.19	5.90	5.1	USC	
		15 17	12	PKP	NG						
176	02	23 40	24.4	16.0 N	046.8 O	.000	53.50	248.68	5.6	USC	
		23 49	44	P	VE,EE	.000	54.0		C		
		23 57	19	S	EG,NG						
		24 04,4		LQ	NE						
		24 06,9		LR	VE						
177	03	07 43	39.1	51.9 N	175.8 E	.004	77.51	5.42	5.5	USC	
		7 55	30	P							
178	03	10 57	08.8	18.5 N	070.3 O	.000	66.21	270.38	5.3	USC	
		11 08	01	P	EG						
		11 23,1		L	NG						
179	03	18 31	52.0	39.7 N	023.3 E	.001	17.29	122.61	5.5	BC	
		18 39	05	S	VG						
		18 40,6		LQ	NG						
		18 41,2			VG,NG						
180	04	15 02	18.3	51.1 N	178.5 E	.001	78.45	3.77	5.2	USC	
		15 47,3		L	EG						
181	05	13 00	22.9	59.9 S	018.5 O	.000	111.79	192.18		USC	

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		13	39,8		L	EG,NG							
182	08	13	39	58.2	23.3	N	108.5	0	.000	85.58	301.82	5.1	USCGS
		14	17,5		L	EG							
183	10	20	33	59.3	46.4	N	027.6	0	.000	21.50	270.68	4.9	USCGS
		20	38	48	P	EG				21.5			
		20	42	43	S	NG							
		20	44,2		LR	EG							
184	11	02	37	34.7	51.8	N	174.1	E	.000	77.50	6.51	5.5	USCGS
		3	26,5		L	EG							
185	11	03	33	44.9	44.7	N	148.7	E	.002	80.06	24.97	6.0	USCGS
		3	45	52	P	VE,VG			.000	79.0			C
		3	46	10	E	VENG							
		3	55	54	SKS	NG							
		3	56	10	*SSKS	EG,NG							
		3	56	23	E	EE							
		4	05,3		LR	NG							
		4	17,1		MQ	EG							
		4	26,0		MR	VG							
186	11	07	27	45.5	44.1	N	149.4	E	.004	80.80	24.73	5.2	USCGS
		8	16,2		LQ	NG							
		8	19,7		LR	VG							
187	11	08	41	01.1	44.3	N	149.0	E	.003	80.51	24.92	5.1	USCGS
		9	19,8		L	EG							
188	11	10	16	37.3	44.4	N	149.3	E	.000	80.49	24.68	5.0	USCGS
		11	00,1		L	EG							
189	11	12	00	00.8	44.2	N	149.1	E	.000	80.63	24.89	5.2	USCGS
		12	37,6		LQ	EG							
		12	49,2		LR	VG							

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JUIN

190	12	05 28 24.9 6 12,2	44.3 N L	149.6 E EG	.000	80.67	24.52	4.6	USC
191	12	05 34 12.5 5 53 12 6 21,6 6 32,8	16.5 S P LQ LR	172.9 O VG NG VG	.007	145.74	355.33	5.0	USC
192	12	18 45 43.3 19 13 56 19 29,0	44.1 N S L	149.0 E EG EG,NG	.001	80.69	25.00	5.6	USC
193	12	22 16 46.3 22 57,5	44.2 N L	149.0 E EG	.002	80.60	24.96	5.3	USC
194	13	02 20 52.0 2 58,9	44.1 N L	149.3 E EG	.003	80.77	24.80	5.3	USC
195	13	07 06 13.6 7 18 28 7 18 41 7 28 33 7 34 02 7 42,2 7 48,7 7 50,2	41.9 N P E S E LQ LR M	143.4 E VG VG,NG EG,NG NG NG VG NG	.000 .000	81.07 81.1	29.70	6.6	USC C
196	13	20 01 52.0 20 06 43 20 07 54 20 07 46 20 11,9 20 13,6	37.8 N P E S LQ LR	029.4 E VG,EG EE NG EG VG	.000	22.01 22.0	116.52	6.0	BCIS D
197	15	04 46 13.1 5 08 23 5 24,5	50.1 N S L	178.2 E NG NG	.000	79.44	4.03	5.5	USC
198	15	16 41 13.0	14.7 N	051.6 E	.000	52.25	116.08		BCIS

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JUIN

		17	06,1		L		NG					
199	15	23	10	25.6	20.9 S	173.7 E	.000	149.01	19.62	6.0	USCGS	
		23	30	21	PKP	VG						
		23	30	39	E	VG						
		23	37	50	E							
		23	48	31	E	VG						
		24	22,8		LQ	EG						
		24	24,3		LR	VG						
200	17	02	58	22.0	37.7 N	029.4 E	.000	22.08	116.71		BCIS	
		3	09,6		LRR	VG,NG						
201	17	20	14	48.6	32.0 N	087.8 E	.000	62.03	72.90	5.4	USCGS	
		20	40	21	SSS	EG,NG						
		20	45,7		LQ	NG						
		20	49,2		LR	VG						
202	18	22	45	16.4	11.1 S	073.6 O	.012	90.94	253.76	5.3	USCGS	
		23	08	33	S	EG						
203	20	01	57	24.8	44.6 N	149.2 E	.001	80.28	24.68	4.8	USCGS	
		2	09	33	P	VG						
		2	35,4		L	EG						
204	20	18	04	35.7	42.8 N	126.5 E	.000	74.11	40.40	5.6	USCGS	
		18	41,5		L	EG						
205	21	00	21	14.5	28.1 N	056.0 E	.000	44.75	100.34	6.0	USCGS	
		29	28		P	VG,EG		44.5				
		36	04		S	NG						
		39	19		/SS/	EG						
		42,6			LQ	NG						
		47,2			LR	VG						
206	22	23	48	07.1	07.1 N	123.5 E	.004	102.14	62.46		USCGS	
			38,6		LQ	NG						
			42,2		LR	VG						

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JUIN

1	207	23	11 09 15.3	56.6 N	152.9 O	.000	71.41	346.96	5.7 U
			11 20 37	P	EG	.000	72.0		
			11 23 14	/PP/	VG,NG				
			11 29 55	S	NE				
1			11 30 14	*SS	NG				
			11 34 25	/SS/	EG				
			11 42,4	LQ	EG				
			11 48,3	LR	VG				
1	208	27	09 45 48.0	54.5 S	005.6 E	.000	104.84	179.25	5.9 U
			10 39,7	L	EG				
1	209	27	11 08 55.9	60.3 N	141.2 O	.000	65.90	342.02	5.3 U
			11 43,6	L	EG				
1	210	27	11 36 08.6	23.8 N	121.5 E	.000	87.44	54.68	5.6 U
			12 19,6	LR	NG				
1	211	28	00 43 46.0	47.2 N	010.2 E	.001	5.27	130.89	4.0 U
			54,8	L	EG				
	212	28	03 33 36.5	05.1 S	153.0 E	.003	127.44	40.76	6.1 U
			4 27,1	LQ	EG				
			4 45,7	LR	VG				
1	213	29	00 43 46.0	47.3 N	009.9 E	.000	5.05	131.73	
			45 33	E	EG				
			46 10	E	EG				
	214	29	02 04 22.6	44.4 N	149.4 E	.000	80.52	24.62	5.5 U
			2 42,4	L	EG				
1	215	29	04 27 57.4	36.5 N	012.2 O	.000	18.59	226.09	4.8 U
			4 32 15	P	VG				
			4 35 29	E	VG,NG				
			4 35,7	L	EG,NG				

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JUIN - JUILLET

GS	216	29	15 19 15 39	43.9 41	18.5 S *PPKP2	169.0 E VG,NG	.028	145.53	26.37	5.0	USCGS
	217	29	15 40 15 49 15 53,2	31.0 50	34.2 N L M	026.3 E NG NG	.000	23.03	127.67		USCGS
SS	218	30	02 53 3 12 3 21 3 48,6	14.0 30 56	01.6 S PP PS L	126.7 E VEN G EG NG	.000 .000	111.10 111.1	64.90	5.2	USCGS
SS	219	30	08 33 8 45 9	31.8 35	51.7 N P L	176.5 E VG NG	.004	77.76	5.00	6.0	USCGS
SS	220	30	11 16 11 16 11 16	49,6 62,2 53,0	PG SG E	VG,EE EE,NE EE,EG		.20			
SS	221	01	23 12 23 32 23 37 23 58 24 35,9 24 41,9	45.4 48 46 10	63.0 S PKP E E LQ LR	163.7 O VG EG NG EG NG	.000	166.15	203.27	5.5	USCGS
SS	222	02	9 07 9 07	13,0 17,4	PG ISG	NE NE		.34			
SS	223	02	20 58 21 10 21 10 21 10 21 13 21 20	40.0 24,0 28,0 30,0 18 01	53.1 N IP I I PP S	167.0 O VE,NE VE VE VG EG,NG	.004	76.31 74.9	354.65	6.6	USCGS C

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JUILLET

		21	20	18	E	NG					
		21	24	50	SS	NG					
		21	28,6		LQ	EG					
		21	35,5		LR	NG					
224	03	02	22	10.0	54.0 N	032.5 O	.000	22.56	292.56	5.6	BCI:
		2	27	15	P	NE, VG		22.7			C
		2	31	19	S	NE					
		2	31	28	E	EE, NE, EG					
		2	32,7		LQ	NG					
		2	34,2		LR	VG					
225	05	08	32	02.0	54.0 N	032.5 O	.000	22.51	292.59		BCI:
		8	37	09	P	VE, EE		24.6			C
		8	38	10	E	VE					
		8	41	28	S	EE					
		8	44,4		LQ	NE					
		8	45,6		LR	VE					
226	06	03	18	40.0	38.0 N	022.5 E	.000	18.15	127.85	6.5	BCI:
		3	22	51,0	P	VE, EE	.000	18.1			D
		3	26	15,0	E	NE, NG					
		3	26	19,0	I*SS	VG					
		3	26,7		LQ	NE					
		3	27,3		LR	VE, EE					
		3	28,6		MQ	NG					
		3	29,5		MR	VE					
227	06	18	36	47.3	04.5 S	155.1 E	.075	127.75	38.04	6.5	USCC
		18	57	06,5	*PPKP	VG, NG					
		18	57	28	E	VE, VG, NG					
		19	03	05	E	EG					
		19	06	08	E	VG					
		19	14	31	E	NG					
228	10	04	26	41.9	55.3 N	162.6 E	.000	72.81	12.83	5.0	BCI:
		5	01,3		LR	EG					
229	15	18	33	29.9	07.7 N	123.8 E	.087	101.88	61.90	5.8	USCC
		18	46	25	P	VG, NG					
		19	08,7		L	NG					

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JUILLET

230	17	07 20 30.5 8 23,7 8 36,4	09.7 S LQ LR	159.8 E NG VG	.000	134.29	34.93	6.4	USCGS
231	17	12 47 49.4 13 47,2	07.2 S L	153.6 E EG	.000	129.58	41.19	5.7	USCGS
232	18	22 14 59.5 22 57,4	45.4 N L	151.3 E EG	.000	80.08	22.97	5.1	BCIS
233	19	04 13 20.4 4 44 50 4 48,0	09.2 N E L	070.4 O NG EG	.000	73.25	264.02	5.4	USCGS
234	20	11 19 47.3 12 04,7	48.7 N L	155.6 E EG	.000	77.94	19.03	5.4	USCGS
235	20	13 18 27.4 13 58,6	07.5 N L	124.3 E NG	.002	102.33	61.59	5.8	BCIS
236	21	02 51 39.0 3 11 32	20.8 S PKP	175.8 O VG	.004	150.08	.30	5.7	USCGS
237	21	02 51 39.0 4 01,3 4 15,1	20.8 S LQ LR	175.8 O EG VG	.004	150.08	.30	5.7	BCIS
238	29	08 29 22.1 8 41 23 8 41 28,0 8 42 00,5 8 44 15 8 51 20 8 51 26 8 56 21 9 00,0 9 07,4 9 15,3	51.2 N P IP I E S I SS LQ LR LM	171.3 O VG VE,VG VE,VG EG NG NG NG EG VG NE	.000	78.41 78.7	357.21	6.5	USCGS D

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JUILLET - AOUT

239	31	07 36 31.5 8 21,8 8 26,4	35.9 N LQ LR	142.2 E EG VG	.003	86.09	33.11	4.8	BCIS
240	31	17 07 52.6 17 36,2 17 43,5	32.7 N LQ LR	093.1 E EG VG	.000	64.71	68.80	4.7	BCIS
241	31	19 01 09.4 19 36,3	32.8 N L	093.0 E EG,NG	.000	64.58	68.79	4.4	BCIS
242	31	21 44 47.8 22 19,2	32.7 N L	093.1 E NG	.000	64.71	68.80		BCIS
243	01	02 40 04.4 3 41,5	39.1 S L	074.8 O EG	.000	113.00	236.20	4.8	BCIS
244	01	15 02 56.1 15 14 05 16 03,6	46.9 N P L	143.8 E VG,EG NG	.057	76.67	27.28	5.7	USCGS
245	01	20 09 17.9 20 44,3	32.6 N L	093.3 E NG	.000	64.90	68.75		BCIS
246	01	23 44 28.3 4 26 1 01,2	32.5 S PKP L	178.9 O VG NG	.002	161.55	8.72		USCGS
247	02	13 19 54.7 13 40 13 13 44 15 13 55 36 14 05,1 14 26,5 14 50,5	56.2 S P E E L LM LM	158.2 E VE,VG EG EG EG NG VG	.000	163.48	119.35	6.7	USCGS

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AOUT

248	02	16 43 09.4 16 55 21 17 05 33 17 19,8	07.4 N P E L	078.7 O VG EG NG	.000	79.88 269.34 5.4	USCGS
249	02	19 07 57.1 19 47,1	07.4 N L	078.8 O EG	.000	79.94 269.41 5.2	BCIS
250	03	02 01 52.2 2 47,5	07.7 S LR	081.3 O NG	.003	93.09 261.80 5.8	BCIS
251	04	01 05 53.0 1 18 07 1 18 32 1 28 17 1 44,3	16.8 N P E S L	094.5 O VG,EG,NG EG EG EG	.013 .010	82.61 287.38 5.2 82.8 C	USCGS
252	04	11 49 53.0 11 52 03 11 54,5	43.6 N PN LR	012.3 E EG VG	.000	9.00 140.09	BCIS
253	04	19 17 36.0 19 27,9	43.6 N L	012.3 E EG	.000	8.99 140.13	BCIS
254	05	00 07 50.5 26 53 39 09 40 35 46 14 28 52 29 08 1 00,2 1 13,5	05.3 S PKP E E E /PP/ E LQ LR	151.7 E VG EG NG EG VG,EG,NG VG,EG EG VG	.002 .000	127.07 42.34 6.0 127.1	USCGS
255	11	03 40 56.2 4 00 25 4 00 33 4 00 37 4 11,5 4 25,8	15.4 S PKP E E E L	166.9 E VE NE VE VE EE	.000	141.98 28.03 6.3	USCGS

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AOUT - SEPTEMBRE

263	23	14 08	57.0	40.2 N	026.2 E	.000	18.55	116.40	5.5	BCIS
		14 13	14	P	VE,EE	.000	18.8			C
		14 16	43	S	EE					
		14 18	17	E	VE					
		14 18	42	E	VE					
		14 19,2		LQ	EE,NE					
		14 19,5		LR	VE					
264	23	19 46	02.9	16.3 N	095.8 O	-.001	83.71	288.07		USCGS
		19 58	33	P	VE,EE		84.0			C
		20 01	43	PP	VE					
		20 08	57	S	EE					
		20 09	07	E	NE					
		20 23,1		LR	NE					
		20 30,1		MQ	NE					
		20 34,4		MR	VE					
265	04	14 32	47.9	58.2 N	152.6 O	.000	69.82	347.24	6.1	USCGS
		14 44	02,0	P	VE		70.0			
		14 44	08	E	VE,NE					
		14 44	18	E	VE,NE					
		14 46	40,0	PP	VE,NE					
		14 53	12	S	VE					
		14 53	22	E	VE					
		15 06		LG	VE					
		15 09,5		MR	VE,NE					
266	12	22 02	34.3	06.4 S	070.8 E	.000	80.34	112.50	6.1	USCGS
		22 14	45,0	P	VE					
		22 35	35	E	NE					
267	17	16 21	21.9	36.3 N	141.1 E	.006	85.35	33.74	5.5	USCGS
		16 33	54	P	VE,EE,NE					
		16 43	52	E	EE					
		16 44	25	E	NE					
		17 04		LR	VE,EE,NE					
		17 09		MR	EE					
		17 15		MR	EE					
268	19	01 26	52.5	22.1 S	174.9 O	.000	151.37	358.57	5.4	USCGS
		1 46	41	P	VE					D
269	19	08 10	41.8	48.0 N	008.3 E	.000	3.80	135.91	4.0	BCIS

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SEPTEMBRE - OCTOBRE

		8	12	46	S*	NE					
		8	12	57	SG	EE		4.1			
270	21	01	38	30.2	29.1 N	128.2 E	.026	86.33	46.75	6.0	BCI
		1	50	53	P	EE,NE					
		2	01	16	S	NE					
		2	02	41	E	NE					
271	22	04	24	47.8	20.8 N	099.3 E	.001	77.11	72.90		USC
		5	10,1		LQ	NE					
		5	16,0		LR	VE					
272	22	22	08	01.1	36.4 N	141.3 E	.002	85.33	33.55	5.6	USCC
		22	20	35	P	VE,EE		80.4			C
		22	30	41	S	EE					
		22	48,9		LQ	EE					
		22	56,5		LR	NE					
273	25	10	55	59.8	01.0 S	021.9 O	.000	56.19	212.14	5.3	USCG
		11	12,0		L	NE					
274	25	14	37	15.4	39.7 N	143.2 E	.002	83.00	30.77	5.3	USCG
		15	22,0		LR	NE					
		15	29,6		MR	VE					
275	30	23	47	40.7	59.7 N	143.4 O	.000	66.88	342.88	4.8	BCIS
		23	58	40	P	VG					
		24	07	49	/S/	EG					
		24	12	06	E	EG					
		24	15	42	E	EG					
		24	17,9		LQ	EG					
		24	25,3		MQ	EG					
		24	27,2		MR	NE					
276	01	08	52	05.8	50.1 N	178.3 E	.000	79.44	3.97	6.3	USCG:
		9	04	11,0	IP	VE	.000	79.4			D
		9	04	32	E	VG					
		9	07	19	E	VE,EE					
		9	09	06	/PPP/	VE					
		9	14	07	S	EG					

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OCTOBRE

		9 19 43	E	NG						
		9 25 03	E	EG						
		9 30,2	L	NG						
		9 38,3	M	NG						
277	01	13 22 28.5	20.0 S	174.4 E	.000	148.28	18.02	6.2	BCIS	
		13 41 13,0	IPKP	VE						D
		13 43 18	E	VG						
		13 54 39	E	NG						
		13 12,9	L	EG						
278	01	22 34 25.5	60.7 S	024.9 O	.000	113.69	195.19		USCGS	
		23 23,2	L	EG						
279	03	05 12 22.5	38.2 S	048.4 E	.000	96.59	146.53	5.5	USCGS	
		6 03,5	L	NG						
280	03	14 45 26.8	49.5 N	156.5 E	.000	77.37	18.20	5.9	USCGS	
		14 57 20,0	P	VE,NE,VG		76.4				C
		14 57 38,0	E	VE						
		15 07 05	S	EG						
		15 12 43	E	NG						
		15 21,6	L	EG						
281	03	16 14 54.9	42.9 S	075.4 O	.000	116.07	233.69	6.0	USCGS	
		16 34 44	PKP	EG						
		16 34 51,5	E	VE						
		16 44 23	E	EG						
		16 50 39	E	NG						
		16 57,8	L	NG						
282	04	01 44 41.8	44.2 N	128.1 O	.000	76.84	326.97	4.8	BCIS	
		2 13,2	L	EG						
283	04	06 23 04.5	08.9 N	082.7 O	.001	81.28	273.38		BCIS	
		7 03,2	L	EG,NG						
284	05	00 17 10.5	65.4 N	134.0 O	.000	59.85	341.22	5.2	USCGS	

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00, TOBRE

		45,3	L	EG						
285	05	03 39 02.2 4 32,3	36.0 S L	072.5 O EG	.000	109.48	236.95	5.2	BCIS	
286	05	09 44 30.0 10 18,1	09.3 S LR	067.2 E EG	.000	80.61	117.14	5.1	BCIS	
287	06	18 37 30.0 18 48,4	71.2 N L	021.0 O EG	.000	23.53	339.63		BCIS	
288	07	01 09 07.2 2 36,6	21.7 S L	174.3 O NG	.002	150.92	357.44		USCGS	
289	07	03 35 59.6 3 49 15 3 49 27 3 59 41 4 06 41 4 23,3 4 32,6	12.6 N P E E E L M	144.5 E VG VG EG NG EG NG	.000	107.96	41.12	5.9	USCGS	
290	08	17 53 52.0 18 45,7	11.3 N L	123.7 E NG	.004	98.80	59.90		USCGS	
291	10	10 21 00.7 11 14,2 11 18,2	26.3 N L LM	028.1 E NL EL	.000	30.44	134.56		USCGS	
292	10	17 25 44.0 18 20,0	59.1 S L	024.8 O NG	.003	111.99	195.75	5.7	USCGS	
293	11	02 28 40.0 3 26,7	52.5 S L	013.1 E NG	.000	103.28	174.53		USCGS	

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OCTOBRE

294	12	08 16 23.8 8 54,6	59.5 N L	144.8 O EG	-.004	67.16 343.55	USCGS
295	12	13 40 55.9 13 52 24 14 01 44 14 06 27 14 10,1	56.3 N P E SS L	153.7 O VEN,G EG NG NG	.000	71.82 347.33 5.3 72.1	USCGS
296	13	14 46 25.0 15 06 15 16 01,2	22.6 S PKP L	171.0 E VG EG	-.002	149.95 25.24	USCGS
297	15	00 34 09.3 1 19,5	08.5 N L	103.0 O EG,NG	.000	94.20 288.79 5.2	BCIS
298	16	14 22 55.5 15 02,1	09.0 N LR	083.5 O EG	.002	81.71 274.06 5.0	BCIS
299	16	20 01 52.5 20 13 25 20 44,2	56.2 N P L	164.7 E VG EG,NG	.000	72.04 11.38	USCGS
300	16	22 14 15.3 23 29,5	15.1 S M	173.5 O NG	.002	144.33 356.46	USCGS
301	17	01 53 42.7 3 00,9	08.0 S L	155.9 E EG	.000	131.25 38.89 5.5	BCIS
302	18	10 21 44.5 10 46,6	42.0 N L	077.7 E NG	.000	49.41 70.14 5.1	BCIS
303	18	21 50 04.5 22 09 38 22 11 45 22 18 29	01.1 S E E E	127.9 E EG VE EG	.000	111.39 63.54 5.9	BCIS

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OCTOBRE

		22	24	51	E	NG				
		22	43,3		LQ	EG				
		22	47,9		LR	NG				
		22	55,2		M	NG				
304	18	23	01	11.0	00.9 S	127.8 E	.000	111.13	63.47	USCGS
			6,5		M	EG				
305	19	20	48	47.4	52.3 N	174.3 E	.002	77.02	6.32	5.6 BCIS
		21	00	46	P	VG				
		21	10	44	S	NG				
		21	15	41	/SS/	NG				
		21	21,1		L	NG				
		21	26,2		LM	EG				
306	20	23	54	29.9	12.5 N	087.4 O	.006	81.46	279.30	USCGS
			7	00	P	VG				
			7	08	E	NG				
			22	39	/SS/	EG				
			32,4		L	NG				
307	21	15	56	32.6	43.8 N	087.1 E	.000	53.69	62.91	USCGS
		16	26,4		L	NG				
308	24	12	16	57.0	46.3 N	007.4 E	.000	4.93	154.68	5.1 BCIS
		12	18	10	PN	VE		4.9		
		12	18	30	PG	VE,EE,EG				
		12	18	54	E	VG				
		12	19	17	E	VEN,E				
		12	19	30	E	EE,NE				
		12	19	39	SG	NE				
		12	20	18	E	VE				
309	24	14	32	13.7	04.1 N	125.9 E	.022	105.95	62.16	USCGS
		15	24,6		L	EG				
310	24	18	15	04.9	49.7 N	156.1 E	.000	77.09	18.39	5.7 BCIS
		18	53,8		LR	NG				

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OCTOBRE - NOVEMBRE

311	24	20 26 15.3 21 14,0	20.1 N L	122.2 E EG	.000	90.84	56.22	4.9	BCIS
312	25	00 15 07.0 1 04,3	24.5 N L	124.9 E NG	.001	88.48	51.67		USCGS
313	25	22 34 24.3 22 46 13 22 46 14 22 46 20 22 46 58 22 48 57 22 49 09 22 49 16 22 55 50 22 56 01 22 56 08 22 56 50 22 57 08 23 02 11 23 07 33 23 11,2	44.2 N P IP PCP *SP E E PP E S E SP SPP E /SSS/ L	145.3 E VE,NE VE EG,NG VE VE VG NG EE,EG VE,NE,NG EG,NG VE,VG NG NG NG EG	.023 .014	79.39 79.2	27.42		C USCGS
314	26	10 21 46.1 10 41 28	20.1 S PKP	168.8 E VG,NG	.001	146.96	27.53		USCGS
315	03	01 39 02.5 1 50 54 2 00 25 2 00 46 2 01 55 2 03 26 2 04 26	09.1 S P SKS S E E *SSKS	071.4 O EG VEN,G EG EG EG EG,NG	.086 .086	88.04 88.0	253.28	6.2	USCGS
316	03	08 33 51.6 8 39 02 8 45 13	58.1 N P L	032.1 O EG NG	.000	22.21	303.35	4.8	USCGS
317	03	18 21 05.0 19 20 56 19 31 20	22.3 S L LM	114.1 O EG NG	.000	124.76	277.12	5.8	USCGS

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318	05	22 02	47.8	34.1 N	138.9 E	.000	86.51	36.34	5.0	USCGS
		22 49	25	L	EG					
319	06	08 57	12.3	34.0 N	138.9 E	.000	86.60	36.39	5.0	USCGS
		9 42	24	L	EG					
320	09	15 35	01.0	44.4 N	010.3 E	.000	7.56	145.64	4.2	BCIS
		15 37	08	P*	EG		7.4			
		15 37	47	E	NG					
		15 38	46	S*	EG					
		15 39	11	L	EG					
321	11	02 51	25.0	60.7 S	154.0 E	.000	160.35	132.08	5.1	USCGS
		3 36	17	E	EG					
		3 42	33	L	EG,NG					
		4 12	32	LM	NG					
		4 24	17	M	NG					
322	11	11 52	28.0	46.3 N	007.4 E	.000	4.93	154.68		BCIS
		11 55	01	S*	EG,NG					
323	11	17 22	36.7	14.0 N	145.0 E	.015	106.92	40.04	5.1	USCGS
		18 23	47	L	NG					
324	12	17 14	27.6	30.4 N	139.8 E	.018	90.14	37.32	5.2	USCGS
		18 01	39	L	EG					
325	12	17 52	24.1	30.5 N	140.2 E	.001	90.21	36.96	6.6	USCGS
		18 16	01	S	EG					
		18 20	13	E	EG					
		18 21	49	E	NG					
		18 34	41	L	NG					
		18 40	33	M	NG					
326	13	04 33	53.0	43.8 N	087.8 E	.004	54.18	62.54	6.3	USCGS
		4 43	15	P	VG,EG	.000	54.1			
		4 43	31	*PP	VG,EG					
		4 45	15	/PP/	VG					

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NOVEMBRE

		4	46	33	/PPP/	VG						
		4	50	51	S	EG						
		4	54	27	/SS/	EG						
		4	58	27	LR	VG						
		5	00	33	MQ	NG						
		5	01	35	MR	VG						
327	13	17	59	41.7	29.4 S	068.1 O	.002	102.05	238.33	5.9	USCGS	
		18	44	12	L	EG						
328	14	03	10	07.0	01.9 N	090.5 O	.000	91.57	274.95	4.7	USCGS	
		3	54	12	L	EG						
329	14	05	54	16.7	36.8 N	140.8 E	.005	84.79	33.74	5.9	USCGS	
		6	37	40	LM	EG						
330	15	11	18	49.9	00.3 S	018.7 O	.000	54.51	208.74	5.6	USCGS	
		11	28	18,0	IP	VE		53.9			C	
		11	28	25,0	I	VE						
		11	30	18	/PP/	VE						
		11	35	53	S	EG						
		11	39	29	SS	NG						
		11	42	18	L	EG						
		11	45	18	LM	EG						
		11	47	23	M	NG						
331	16	15	24	43.0	31.3 N	041.4 O	.000	38.87	257.72	6.0	BCIS	
		15	32	12	P	VE		38.9				
		15	32	14,0	IP	VE						
		15	38	17	S	NG						
		15	41	11	L	NG						
		15	42	43	LM	NG						
332	18	20	00	19.0	18.8 S	177.9 O	.061	148.04	4.04	5.6	USCGS	
		20	19	17	PKP2	VE	.060	148.0				
		20	19	24	E	NG						
		20	21	00	*PPKP2	VE						
		20	29	00	E	NG						
		20	41	02	L	EG						
333	18	21	58	12.4	53.9 N	160.7 E	.000	73.89	14.32	6.0	USCGS	

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NOVEMBRE

		22	09	49	P	VG		73.9		C	
		22	19	23	S	NG					
		22	28	25	L	EG					
		22	38	13	LM	NG					
334	19	07	08	10.8	29.6 S	178.6 O	.000	158.71	7.11	5.0	USCGS
		8	22	33	L	NG					
		8	36	37	LM	NG					
335	19	22	31	19.8	23.6 N	121.8 E	.000	87.76	54.56	5.3	USCGS
		23	14	33	LQ	EG					
336	20	08	56	00.2	43.8 N	087.7 E	.000	54.13	62.60	5.0	USCGS
		9	24	01	L	NG					
337	20	09	56	52.4	05.8 S	153.2 E	.000	128.15	40.90	4.9	USCGS
		11	13	16	LM	NG					
338	20	15	05	39.0	07.3 S	129.2 E	.016	117.15	66.27	6.1	USCGS
		16	05	28	L	EG					
339	21	04	57	57.9	49.8 N	078.1 E	.000	45.29	61.12	5.9	USCGS
		5	06	19	P	EG					
340	21	10	31	49.7	06.1 S	130.4 E	.009	116.88	64.40	6.3	USCGS
		10	51	39	PP	EG					
		10	59	19	E	NG					
		11	30	06	L	NG					
341	21	22	11	58.8	50.2 N	029.1 O	.000	21.20	281.46	4.5	USCGS
		22	23	40	L	EG					
342	22	17	57	56.0	36.7 N	141.8 E	.000	85.24	33.06	4.4	USCGS
		18	43	28	L	NG					

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NOVEMBRE - DECEMBRE

343	22	20 25	30.4	51.3 N	179.8 O	.001	78.31	2.67	5.9	USCGS
		20 37	29	P	NG		77.7			
		20 40	35	/PP/	NG					
		20 47	20	S	EG					
		20 48	17	PPS	NG					
		20 52	25	E	NG					
		20 58	04	E	EG					
		21 04	08	L	NG					
		21 13	14	LM	EG					
344	23	01 17	31.2	03.0 N	124.8 E	.002	106.28	63.78	5.6	USCGS
		1 46	10	L	EG					
		2 01	33	LM	EG					
		2 09	22	M	NG					
345	23	13 00	41.5	37.1 N	032.5 O	.000	29.52	256.72	4.3	USCGS
		13 16	10	L	EG					
346	27	03 04	20.6	30.6 N	140.2 E	.004	90.12	36.92	5.2	USCGS
		3 51	44	L	NG					
347	27	12 01	51.9	09.7 S	159.7 E	.003	134.26	35.06	6.3	USCGS
		13 13	49	LM	EG					
348	28	03 56	45.9	45.6 S	072.4 O	.000	116.52	229.87	5.8	USCGS
		4 46	12	L	EG					
349	28	05 26	05.0	36.1 N	027.7 E	.009	22.29	122.25	6.2	BCIS
		5 30	56	P	NG	.009	22.3			
		5 31	23	PP	EG					
		5 34	54	IS	EG					
		5 35	24	E	EG,NG					
		5 36	22	L	EG					
350	02	06 45	54.0	37.6 N	029.4 E	.000	22.15	116.90		BCIS
		6 56	52	L	NG					
351	04	16 40	01.0	34.3 N	026.2 E	.000	22.90	127.68		BCIS

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DECEMBRE

		16	54	08	L	EG					
352	06	11	34	53.7	18.9 N	107.1 O	.001	88.34	298.18	5.9	USCGS
		11	58	19	S	EG	.001	88.0			
		11	58	36	*SS	NG					
		12	04	05	E	EG					
		12	11	00	LQ	NG					
		12	17	00	LR	EE					
353	07	14	50	44.5	39.2 N	073.5 E	.000	48.55	75.66	4.8	USCGS
		15	17	03	L	NG					
354	07	22	19	14.8	06.4 S	146.3 E	.012	125.58	48.90	6.4	USCGS
		22	38	07	PKP	VG					
		23	18	37	L	NG					
355	09	06	07	48.6	17.3 N	100.0 O	.004	85.51	291.83	6.0	USCGS
		6	20	23	P	EG	.000	85.4			
		6	23	43	PP	EG					
		6	30	50	E	EG					
		6	31	10	E	EG					
		6	36	56	E	EG					
		6	49	15	L	EG					
		6	55	01	M	NG					
356	09	13	12	55.5	18.0 S	178.2 O	.097	147.23	4.50	5.6	USCGS
		13	31	32	PKP	VG					
357	10	21	53	17.4	11.4 S	166.2 E	.003	137.99	27.17	5.8	USCGS
		23	05	32	L	EG					
358	12	16	40	14.3	23.3 S	175.5 O	.000	152.56	359.72	5.0	USCGS
		18	08	27	L	EG					
359	13	05	45	12.7	44.1 N	150.2 E	.000	81.01	24.18	5.4	USCGS
		6	30	30	L	NG					

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DECEMBRE

360	13	10 52 11 32	08.5 15	44.7 N L	150.1 E EG	.000	80.43	24.03	5.7	USCGS
361	13	14 46 15 33	10.2 19	44.7 N L	150.2 E NG	.000	80.45	23.96	5.4	USCGS
362	13	22 53 23 25	17.1 42	44.7 N L	149.9 E EG	.000	80.37	24.17	5.0	USCGS
363	14	17 27 18 10	01.7 25	25.9 N L	109.7 O EG	.000	84.12	304.23	4.9	USCGS
364	15	12 07 12 07 12 07 12 07 12 07	14.0 22,0 27,0 27,7 28,4	50.5 N IPG SG E I	004.1 E VE NE,EG EG EG	.000	.34 .38	209.02		BCIS
365	15	12 07 12 07 12 07	16.0 24,0 29,0	50.5 N PG SG	004.1 E VE,NE	.000	.34 .38	209.02		BCIS
366	15	12 07 12 07 12 07	17.0 24,9 30,0	50.5 N PG SG	004.1 E NG VE,NE,NG	.000	.34 .39	209.02	4.4	BCIS
367	15	13 42 13 42	00.0 13,3	50.5 N SG	004.1 E EG	.000	.34	209.02		BCIS
368	15	14 02 14 02 14 02 14 02 14 02	13.0 20,7 25,3 27,2 34,4	50.5 N PG SG E E	004.1 E VG EG VG VG	.000	.34 .38	209.02	3.5	BCIS
369	15	15 16	35.0	50.5 N	004.1 E	.000	.34	209.02		BCIS

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DECEMBRE

		15	16	43,0	PG	EG						
		15	16	49,2	/SG/	EG						
370	15	23	05	20.7	07.5 N	082.2 O	.000	82.03	272.10	6.0	USCGS	
		23	17	45	P	EG		82.0				
		23	17	56	E	NG						
		23	20	49	/PP/	EG						
		23	27	56	S	NE						
		23	33	29	E	EG						
		23	37	59	L	EG						
		23	45	20	MR	EG						
371	18	09	22	25.0	44.2 N	012.0 E	.000	8.38	139.01	4.3	BCIS	
		9	27	52	L	EG						
372	19	22	06	32.7	32.2 S	078.8 E	.000	105.29	122.10	5.8	USCGS	
		23	02	29	L	NG						
373	20	00	08	11.0	39.9 N	025.0 E	.000	18.08	119.10	6.2	BCIS	
			12	26	P	VEN,G		18.2				
			15	51	S	EG						
			16	09	LQ	NE						
			18	04	LR	NE,EG						
374	21	08	41	00.4	16.8 N	098.1 O	.002	84.77	290.09	5.0	USCGS	
		9	26	05	L	EG						
375	21	10	00	02.0	50.4 N	005.3 E	.000	.72	123.29	4.4	BCIS	
		10	00	15,6	PG	VG		.80				
		10	00	16,2	P*	VE						
		10	00	17,7	PN							
		10	00	19,4	E	VE						
		10	00	22,0	E	VG						
		10	00	25,0	E	NG						
		10	00	26,0	SG	VEN,E EG						
		10	00	27,7	S*	NG						
		10	00	29,0	E	VN,E						
		10	00	35,2	E	NE						
376	22	00	28	46.2	52.4 N	160.5 E	.000	75.31	14.85	5.1	USCGS	

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DECEMBRE

		1	05	55	L	EG					
377	22	07	27	20.8	52.5 N	160.2 E	.000	75.16	15.01	5.1	USCGS
		8	12	51	LM	EG					
378	22	19	41	23.0	58.4 N	153.0 O	.003	69.68	347.51	6.5	USCGS
		19	52	29	P	VEN,E,G	.003	69.7			
		19	52	43	*PP	VN,E,NG					
		19	55	21	*PPP	NG					
		20	01	34	S	EE,EG					
		20	08	41	E	EG					
379	23	20	47	37.5	60.5 N	141.0 O	.000	65.68	342.01	5.4	USCGS
		20	58	26	P	NG					
		21	22	48	L	NG					
380	25	02	57	57.9	18.0 S	179.2 O	.093	147.17	6.25	5.5	USCGS
		3	16	36	PKP	VG,NG					
381	26	03	53	16.6	05.5 S	151.4 E	.016	127.12	42.79	6.0	USCGS
		4	50	37	LQ	EG					
382	27	20	18	35.4	03.1 N	126.9 E	.005	107.39	61.92	4.7	USCGS
		21	13	29	L	NG					
383	28	12	10	31.4	03.2 N	127.0 E	.003	107.36	61.77	5.3	USCGS
		13	05	34	L	EG,NG					
384	28	20	32	24.7	27.8 N	141.8 E	.000	93.24	36.88	5.9	USCGS
		21	16	48	L	EG					
385	29	04	16	28.9	03.3 S	143.1 E	.000	121.34	50.45	5.4	USCGS
		5	16	34	LR	EG					

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DECEMBRE

386 30 02 06 31.1 54.1 N 164.3 0 .000 75.14 353.12 5.6 USCGS
2 18 16 P EG