

26 MAR 1971

**INSTITUT ROYAL METEOROLOGIQUE DE BELGIQUE
KONINKLIJK METEOROLOGISCH INSTITUUT VAN BELGIE**

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

BULLETIN SEISMIQUE

Station : Dourbes

ANNEE 1960

Octobre 1970



1950-1959
1960-1969
1970-1979
1980-1989
1990-1999
2000-2009
2010-2019
2020-2029

1950-1959
1960-1969
1970-1979
1980-1989
1990-1999
2000-2009
2010-2019
2020-2029

BULLETIN SEISMIQUE

Année 1960

INTRODUCTION

Coordonnées géographiques de la Station.

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

Appareils : La Station séismologique de Dourbes comprend deux ensembles homogènes de séismographes :

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

En 1960, les séismographes ont fonctionné sans interruptions.

Constantes des séismographes Stuttgart :

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

Constantes des séismographes Galitzine :

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

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

Analyse des séismogrammes et bulletins. - En 1960, 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 ainsi que les hodographes publiés par Mme Y. Labrouste.

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

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



EXEMPLE EXPLICATIF DES TABLEAUX

 STATION
ANNEE

MOIS

N ^o	STATION	ANNEE	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.
136	2		01 20 2 17 35,0	LM 52,5 N	EG 168,0 W		76,8	355,2	6,9	U.S.C.G.S.
			2 29 34 2 39 30 3 12,5	P S M	VS, VG NG EG	0	76,5			

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

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

LISTE DES ABREVIATIONS.

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



DOURBES 1960

- 1 -

JANVIER

1	1	04 11 40.0	49.0 N	153.5 E	.000	77.64	20.34		USCGS
		4 23 34	IP	VS					
2	2	12 21 50.0	56.0 S	002.0 W	.000	105.96	183.84		USCGS
		13 14.0	LM	EG					
3	3	11 24 04.0	43.5 N	084.5 E	.000	52.56	64.31		USCGS
		11 33 23	P	VS					
		11 48.0	L	VS					
		11 54.0	M	EG					
4	3	11 38 30.0	61.0 N	152.0 W	.000	67.58	347.94		USCGS
		11 49 36	P	VS					
5	3	20 19 30.0	39.5 N	015.5 E	.036	13.10	139.83	6.2	USCGS
		20 22 32	IP	VS	.036	13.5			
		20 22 39	E	VS,EG					
		20 22 42	E	VS					
		20 22 55	I*PP	VS					
		20 23 11	I	VS,EG					
		20 24 58	IS	EG					
6	4	12 51 55.0	45.5 N	027.0 E	.000	15.70	98.41	5.9	BCIS
		12 55 44	P	VS					
7	6	15 17 34.0	46.3 N	012.6 E	.000	6.55	122.35		BCIS
		15 19 15	PN	VS		6.5			
		15 19 27	P*	VS,EG					
		15 19 45	IPG	VS					
		15 20 31	ISN	VS,EG					
		15 20 54	S*	VS					
		15 21 11	SG	VS,EG					

DOORBES 1960

- 2 -

JANVIER

8	7	14 46	33.0	46.3 N	012.6 E	.000	6.55	122.35		BCIS
		14 55	05	/PCP/	EG					
		15 19,2		L	EG					
		15 28,2		M	EG					
9	8	07 44	08.0	17.0 S	172.5 O	.000	146.88	354.91		BCIS
		8 03	56	P	VS					
10	8	14 45	53.0	55.5 S	027.5 O	.000	108.66	198.57	6.2	USCGS
		15 45,0		LM	EG,NG					
11	9	03 58	48.0	37.2 N	029.0 E	.000	21.72	117.09	4.8	BCIS
		4 03	42	P	EG		21.7			
		4 03	59	/PP/	EG					
		4 07	48	S	EG					
		4 08	06	I	EG					
		4 10,0		L	EG,NG					
		4 10,5		M	EG					
12	9	07 23	50.0	36.0 N	069.0 E	.020	47.61	81.52	6.9	USCGS
		7 32	22	P	VS,NG	.010	47.6			
		7 32	25	I	VS					
		7 32	44	E	VS					
		7 32	58	*PP	NG					
		7 33	46	IPCP	VS,EG					
		7 34	17	/PP/	VS,NG					
		7 37	16	E	VS					
		7 39	05	IS	EG,NG					
		7 40	28	I	NG					
		7 41	52	SCS	EG,NG					
		7 42	30	SS	NG					
		7 43,2		LM	EG					
13	11	02 27	38.0	28.5 N	131.0 E	.000	88.37	45.08		USCGS
		3 17,0		L	EG					

14	13	15 40	34.0	16.0 S	072.0 0	.028	93.76	249.62	7.7	USCGS
		15 53	40	P	VS,VG	.026	93.0			
		15 53	44	IPCP	VG					
		15 54	09	I*PP	VG					
		15 54	28	I	VS					
		15 54	41	I	VS					
		15 54	52	I	VS					
		15 57	27	PP	VG					
		16 04	11	ISKS	VG					
		16 04	31	IS	VG					
15	13	16 29	41.0	51.5 N	180.0 E	.000	78.61	2.92		USCGS
		16 41	49	IP	VS					
		16 41	53	PCP	VS					
16	15	09 30	24.0	15.0 S	075.0 0	.020	94.81	252.51	6.7	USCGS
		9 43	37	P	VS,VG	.010	94.5			
		9 44	14	*PP	VG					
		9 47	25	PP	VG					
		9 47	36	E	EG					
		9 53	51	/SKS/	EG					
		9 54	21	/S/	VG					
		9 55	45	/PS/	VG					
		10 08,0		L	VG,EG					
		10 23,0		M	EG					
		10 25,0		M	EG					
17	16	12 30	56.0	20.5 S	178.0 0	.000	150.38	4.92		USCGS
		12 49	47	PKP	NG					
18	16	20 49	31.0	63.0 N	151.0 0	.020	65.52	348.07		USCGS
		21 00	02	P	VG					
		21 00	30	IPCP	NG					
19	17	02 57	58.0	14.5 S	174.5 0	.020	144.47	358.49	6.5	USCGS
		3 11	08	P	NG					

20	18	19 30	18.0	09.0 N	077.0 O	.012	77.70	269.39		USCGS
		19 42	18	PCP	VS	.010				
		19 42	27	E	VS					
		19 42	43	*PP	VS					
21	19	02 16	52.0	52.0 N	158.0 E	.000	75.71	16.57	6.4	USCGS
		2 28	45	P	VS					
		2 28	57	PCP	VS					
22	19	09 15	04.0	23.0 S	180.0 E	.000	152.70	9.25		USCGS
		9 34	05	PKP2	VS					
		9 34	18	E	VS					
23	21	10 43	33.0	16.0 S	179.5 E	.095	145.72	8.71	6.1	USCGS
		11 02	29	E	VS					
24	23	04 40	56.0	04.0 S	127.5 E	.000	113.63	66.14	6.6	USCGS
		5 00	38	PP	VS					
25	23	06 24	08.0	17.0 S	177.0 O	.061	146.94	2.79		USCGS
		6 43	10	IPKP	VS					
		6 44	50	E	VS					
26	23	07 31	14.0	04.0 S	127.5 E	.000	113.63	66.14	6.5	USCGS
		7 50	56	PP	VS					
		7 51	08	E	VS					
		8 31.0		L	EG					
27	23	17 56	30.0	04.0 S	127.5 E	.000	113.63	66.14	6.3	USCGS
		18 16	14	PP	EG					
		18 16	20	L	EG					

28	24	04 21	42.0	15.5 S	179.0 0	.000	145.35	6.10	6.4	USCGS
		4 41	26	PKP2	VS					
		4 41	30	E	VS					
29	25	16 29	26.0	16.0 S	179.0 0	.000	145.84	6.16	6.2	USCGS
		16 49	14	PKP2	VS					
		16 49	36	E	VS					
		16 54,0		L	EG					
30	26	03 17	03.0	16.5 S	014.5 0	.000	68.48	199.70		USCGS
		3 28	09	P	VS					
31	26	09 52	10.0	40.0 N	039.0 E	.000	26.07	99.49	6.1	BCIS
		9 57	45	P	VS,EG		26.1			
		9 57	51	E	VS,EG					
		9 58	34	PP	EG					
		9 58	44	PPP	EG					
		10 01	08	PCP	EG					
		10 02	24	S	EG					
		10 09,0		L	EG					
32	26	13 05	38.0	36.7 N	029.2 E	.000	22.19	117.74	5.5	BCIS
		13 10	28	P	EG					
		13 10	51	PP	VS					
		13 20,0		M	EG					
33	26	20 27	05.0	46.0 N	026.9 E	.021	15.43	96.82	5.6	BCIS
		20 30	32	P	VS					
		20 30	36	I	VS,EG					
		20 30	46	PP	VS					
34	28	14 34	15.0	44.6 N	006.8 E	.000	5.70	163.95		BCIS
		14 35	43	PN	VS,EG		5.7			

DOORBES 1960

- 6 -

JANVIER - FEVRIER

14 35 57	P*	VS
14 36 11	PG	VS,EG
14 36 49	SN	VS,EG
14 37 07	S*	VS,EG
14 37 27	SG	VS,EG

35 31 05 08 18.0 33.5 N 134.5 E .000 85.60 39.96 6.3 USCGS

5 21 15	/P/	VS
5 21 23	E	VS

36 1 11 59 39.0 35.0 N 022.8 E .000 20.09 131.78 5.5 BCIS

12 04 16	IP	VS	20.2
12 04 19	I	VS	
12 04 39	PP	VS,EG	
12 04 46	PPP	VS	
12 08 01	S	EG	
12 08 27	ISS	EG	
12 12,0	L	EG	
12 14,0	M	EG	

37 4 03 46 30.0 04.5 S 153.5 E .000 127.48 40.46 6.5 USCGS

4 06 22	E	VS
4 06 56	I	VS
4 07 47	PP	VS

38 4 16 50 30.0 39.0 N 143.0 E .000 83.92 31.30 6.5 USCGS

17 03 03	P	VS	84.5
17 03 17	PCP	VS,EG	
17 03 43	E	VS	
17 06 22	PP	EG	
17 13 33	S	EG	
17 34,0	L	EG	
17 38,0	M	EG	

39 4 20 38 20.0 18.5 S 178.0 O .095 148.39 4.70 USCGS

20 57 06	IPKP2	VS
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DOUBLES 1960

40	7	11 16	54.0	15.5 S	173.5 O	.000	145.44	356.76	6.0	USCGS
		11 36	40	IPKP	VS					
		11 36	54	E	VS					
41	8	12 45	34.0	58.0 S	067.0 O	.000	122.67	216.83	6.7	USCGS
		13 04	41	IPKP	VS					
		13 06	29	E	VS					
		13 30,0		L	EG					
		14 00,0		M	EG					
42	9	23 55	49.0	04.0 S	128.0 E	.000	113.92	65.70	6.7	USCGS
		14 29		PKP	EG		114.0			
		14 42		E	VS					
		15 31		PP	VS					
		25 00		PS	EG					
		25 19		SCS	VS					
		31 18		SS	EG					
43	10	23 19	55.0	15.5 S	173.0 O	.000	145.42	355.91	5.8	USCGS
		23 39	35	PKP	VS					
		23 39	44	E	VS					
44	11	02 21	57.0	35.1 S	029.3 E	.000	87.68	159.97		BCIS
		2 27	21	PP	VS					
		2 27	22,5	E	VS					
45	18	21 35	11.0	52.5 N	160.0 E	.000	75.58	15.20	5.7	USCGS
		21 46	59	P	VS					
		21 47	07	E	VS					
		21 47	13	PCP	VS					
46	19	02 30	15.0	45.6 N	010.5 E	.000	6.00	136.34		BCIS
		2 31	47	PN	VS		6.0			
		2 32	00,5	IP*	VS					

DOORBES 1960

- 8 -

FEVRIER

		2	32	07	E	VS					
		2	32	15,5	PG	VS					
		2	32	19	E	VS					
		2	32	58	SN	VS					
		2	33	16	S*	VS					
		2	33	32,5	SG	VS					
47	19	05	09	23.0	60.5 N	151.0 O	.000	67.92	347.28		USCGS
		5	20	24	IP	VS					
48	19	10	36	46.0	36.0 N	705.0 E	.026	82.42	40.45		USCGS
		10	45	19	IP	VS	.026	50.0			
		10	45	24	I	VS					
		10	45	32	I	VS					
		10	46	05	I*PP	VS					
		10	46	37	IPCP	VS					
		10	47	20	IPP	VS					
		10	47	40	I*PP	VS					
		10	48	23	IPPP	VS					
		10	52	19	S	VS					
		10	53	40	*SS	VS					
49	21	08	13	32.0	36.0 N	004.1 E	.000	14.10	181.64	5.7	USCGS
		8	16	58	IP	VS, VG		14.3			
		8	17	08	IPP	NG					
		8	17	24	PPP	VG, NG					
		8	19	39	S	EG					
		8	19	55	SS	EG, NG					
		8	19	55	SS	EG, NG					
		8	21,4		L	VG					
		8	22,2		M	VG, NG					
		8	23,2		M	VG					
50	21	09	29	15.0	38.0 N	042.0 E	.000	29.13	100.08	5.5	BCIS
		9	35	14	P	VG					
		9	35	46	E	VG					
		9	36	07	E	VS, NG					
51	22	00	54	30.0	20.0 S	178.5 O	.089	149.85	5.80		USCGS

DOORBES 1960

- 9 -

FEVRIER

		1 13 18		IPKP	VS, VG							
		1 13 26		I	VS							
52	22	21 04 16.0		39.0 N	020.8 E	.000	15.96	127.85	5.2			BCIS
		21 08 09		P	VG							
		21 08 16		PP	VG							
53	23	07 34 33.0		39.0 N	020.8 E	.000	15.96	127.85	5.5			BCIS
		7 38 17		P	VS							
		7 38 33		PP	VG							
		7 43,2		L	VG, EG							
		7 44,2		M	NG							
		7 46,0		M	NG							
54	23	07 47 49.0		39.0 N	020.8 E	.000	15.96	127.85	5.2			BCIS
		7 51 41		P	VS, VG							
		7 51 58		E	VS							
		7 52 34		M	VG, NG							
55	23	11 31 04.0		19.0 S	178.0 O	.079	148.89	4.75				USCGS
		11 50 00		IPKP	VS, VG							
56	24	21 37 04.0		07.5 S	156.0 E	.000	131.23	39.13	6.6			USCGS
		21 56 19		IPKP			131.2					
		21 56 29		E	VS							
		21 58 37		PP	VS							
		21 59 43		I	VS							
		22 03 27		SKS	VG							
		22 40,0		L	VG							
57	26	06 32 36.0		20.0 S	174.0 O	.000	149.93	357.36				USCGS
		6 52 31		IPKP2	VS							
		6 52 50		E	VS							

DOUBLES 1960

- 10 -

FEVRIER - MARS

58	26	23	29	25.0	50.5 N	178.0 0	.000	79.66	1.68	6.3	USCGS
		23	41	32	IP	VS		79.0			
		23	41	38	I	VS					
		23	41	47	IPCP	VS					
		23	42	31	E	VS					
		23	44	33	PP	VS					
		23	44	51	I	VS					
		23	51	33	S	VS					
59	27	00	07	10.0	51.5 N	178.0 0	.000	78.66	1.65		USCGS
		22	10		IPP	VS					
		22	14		I	VS					
		22	26		I	VS					
60	29	23	40	14.0	30.4 N	009.6 0	.000	22.38	213.76	5.8	BCIS
		23	45	17	I	VS					
		23	45	22	E	VS					
		23	45	45	IPP	VS					
		23	45	56	IPPP	VS					
		23	49	11	/PCP/	VS					
		23	49	24	S	VS					
		23	50	06	SS	VS					
61	2	21	56	25.0	52.0 N	030.0 0	.000	21.68	288.44		USCGS
		22	01	21	P	VS		22.2			
		22	01	29	I	VG,VS					
		22	01	40	I	VS					
		22	01	53	PP	VS					
		22	02	02	PPP	VS,VG					
		22	05	30	S	VG					
		22	06	17	/SS/	VG					
		22	08,5		L	VG					
		22	10,0		LM	VG					
62	4	02	15	56.0	50.5 N	177.0 0	.000	79.68	1.03		USCGS
		2	28	10	IP	VS,VG		80.0			
		2	28	14	E	VS					
		2	28	19	PCP	VS					
		2	28	22	I	VS					
		2	28	42	/PP/	VS					

DOORBES 1960

MARS

63	4	03	53	00.0	31.0 N	129.0 E	.011	85.34	45.25	6.6	USCGS
		4	05	35	IP	VS	.010	85.2			
		4	06	01	*PP	VG					
		4	08	58	PP	VG					
		4	15	46	/SKS/	VG					
		4	16	29	*SSKS	VG					
		4	17	10	PS	VG					
		4	44,0		M	VG					
		4	47,5		M	VG					
64	4	16	25	27.0	72.0 N	000.0 E	.000	22.06	356.21		BCIS
		16	30	24	P	VG		22.0			
		16	30	29	E	VS					
		16	30	49	PP	VS, VG					
		16	30	59	PPP	VS					
		16	34	24	S	EG, NG					
		16	38,0		M	NG					
		16	42,0		M	NG					
65	4	21	05	45.0	07.5 N	094.0 E	.000	83.85	85.63	6.0	USCGS
		22	03,0		M	VG, EG					
66	5	11	25	00.0	29.0 N	081.0 E	.000	59.82	79.79		USCGS
		11	35	12	P	VS, VG					
		11	35	25	E	EG					
		11	35	35	E	VS					
67	5	13	49	16.0	01.0 N	129.0 E	.000	110.44	61.71	6.6	USCGS
		14	08	19	PP	VG		1095			
		14	09	13	E	VG					
		14	10	42	PPP	VG					
		14	14	27	SKS	NG					
		14	15	16	SKKS	VG					
		14	15	46	S	VG					
		14	17	46	PS	VG					
		14	19	06	PKKP	VG					
		14	23	44	SS	VG					
		14	27,0		L	VG					

DOORBES 1960

- 12 -

MARS

			14 48.0		M		VG						
			14 56.0		M		VG						
68	6	02 22	06.0	01.0	N	129.0	E	.000	110.44	61.71	6.3		USCGS
		3 29.0			L		VG						
69	6	04 11	54.0	24.0	N	108.0	0	.000	85.14	302.12	5.2		USCGS
		4 56.0			L		VG,EG						
		5 00.0			M		EG						
70	7	00 51	40.0	34.5	N	055.0	E	.000	39.56	93.56			USCGS
		59 30			P		VS						
71	7	06 12	07.0	52.0	N	153.0	E	.057	74.71	19.59			USCGS
		6 23 09			IP		VG						
72	8	16 33	38.0	16.5	S	168.5	E	.034	144.02	26.91	7.1		USCGS
		16 52 46			IPKP		VG	.034	144.0				
		16 53 08			I		VS						
		16 53 50			I*PPKP		VS						
		16 53 54			I		VS						
		15 55 59			IPP		VS						
		15 56 54			I*PPP		VS						
		15 59 15			IPPP		VS						
		15 59 26			SKS		VS						
		17 01 00			E		VS						
		17 01 19			*SSKS		VS						
		17 02 40			ISKKS		VS						
		17 06 41			PS		VS						
		17 14 21			SS		VS						
73	9	23 54	20.0	16.0	S	072.0	0	.020	93.76	249.62	6.3		USCGS
		7 32			I/P/		VS						
		7 45			E		VS						
		8 08			/*PP/		VS						

DOUBRES 1960

- 13 -

MARS

		11	13		PP	VS						
74	10	13	44	25.0	15.0 S	174.0 0	.000	144.96	357.64	5.8		USCGS
		14	04	04	IPKP1	VS, VG						
		14	04	10	I	VG						
		14	04	18	E	VS						
		14	04	29	E	VS, VG						
75	10	14	32	39.0	47.0 N	152.0 E	.011	79.17	22.01	6.3		USCGS
		14	44	38	IP	VS	.010	80.0				
		14	44	49	PCP	VS, VG						
		14	44	05	*PP	VS, VG						
76	12	11	54	01.0	42.0 N	021.0 E	.000	13.94	119.23	5.6		BCIS
		11	57	22	P	EG		14.0				
		11	57	30	I	VG						
		11	57	32	IPP	VS						
		11	57	38	IPPP	VG						
		11	57	47	PPPP	NG						
		11	58	37	E	EG						
		11	59	57	IS	NS, EG						
		12	00	11	SS	EG						
		12	00	20	I	VG						
		12	00	25	SSS	NS						
		12	00	30	IL	NG						
		12	01,0		M	VG, EG						
		12	01,6		M	VG, EG						
77	12	20	30	39.0	06.0 S	152.0 E	.000	128.18	42.98	6.5		USCGS
		20	49	50	IPKP	VS, VG		128.2				
		20	49	53	E	VS, VG						
		20	50	10	I	VS, EG						
		20	51	47	E	VG						
		20	51	57	IPP	VS, VG						
		20	53	27	PKS	VS						
		20	54	31	E	EG						
		20	54	39	PPP	EG, NG						
		20	56	42	PPPP	VG						
		20	56	55	SKS	VG, EG						
		20	58	47	SKKS	VG, NG						
		21	01	59	PS	VG						

		21 03 38	PPS	VG							
		21 09 05	SS	EG							
		21 32,0	L	NG							
		21 36,0	M	NG							
		21 49,0	M	NG							
78	13	05 15 04.0	36.9 N	003.2 E	.000	13.23	184.88				BCIS
		5 23,0	LM	VG,NG							
79	15	09 20 56.0	51.0 N	174.5 O	.000	79.19	359.42	5.5			USCGS
		9 33 07	IP	VS							
		9 33 20	I/PCP/	VS,VG							
		9 33 56	F	VS							
80	16	17 39 16.0	15.5 S	173.5 O	.000	145.44	356.76	6.2			USCGS
		17 58 59	PKP1	VS,VG		146.0					
		17 59 04	IPKP2	VS,VG							
		17 59 10	E	VG							
		18 02 22	PP	VS,VG							
		18 05,5	L	NG							
81	17	23 42 00.0	35.5 N	026.5 E	.000	21.58	124.23				BCIS
		23 46 44	P	VS,VG							
82	19	19 15 37.0	03.0 S	138.0 E	.000	118.72	55.85				USCGS
		20 20,0	M	EG,NG							
83	20	13 36 54.0	40.0 N	143.5 E	.004	83.19	30.52				USCGS
		13 49 19	P	VS,EG							
		14 21,9	L	NG							
		14 29,0	M	EG,NG							
		14 32,0	M	NG							
84	20	17 07 30.0	40.0 N	143.5 E	.004	83.19	30.52				USCGS

DOORBES 1960

- 15 -

MARS

			17 19 58	IP	VS,NS	.004	83.5		
			17 20 01	I	VS,NS				
			17 20 04	IPCP	VS,NS				
			17 20 14	I*PP	VS,NS				
			17 20 21	I*SP	VS,NS				
			17 23 17	PP	VG				
			17 25 10	PPP	VS				
			17 30 17	S	VG				
			17 30 46	*SS	EG				
			17 31 22	PS	EG				
			17 59,0	M	VS				
85	21	00 34	50.0	39.5 N	143.0 E	.000	83.47	31.09	USCGS
		47 20		IP	VG	.004	84.5		
		47 33		PCP	VG				
		47 57		E	VS				
		50 37		PP	VG				
		1 15,0		L	NG				
		1 20,0		M	NG				
		1 29,0		M	NG				
86	21	01 49	42.0	16.0 S	173.0 0	.000	145.91	355.87	USCGS
		2 09 34		E	VS				
		2 09 41		E	VS				
87	21	09 18	32.0	40.0 N	143.0 E	.000	83.02	30.87	USCGS
		9 30 57		P	EG		84.0		
		9 31 01		PCP	NS				
		9 34 12		PP	VG				
		9 59,0		L	NG				
		10 04,0		M	NG				
		10 11,0		M	EG,NG				
88	21	11 40	15.0	16.5 S	172.5 0	.000	146.38	354.96	USCGS
		11 59 54		PKP	EG				
		12 00 02		E	VG				
89	22	01 48	24.0	16.0 N	097.5 0	.000	85.34	289.39	5.5
		2 38,0		L	VG				

90	22	02	31	17.0	61.5 S	154.0 E	.000	159.55	135.64	6.3	USCGS
		3	54,0		L	NG					
		3	59,0		L	VG					
		4	06,0		M	EG					
		4	18,0		M	EG					
91	23	00	23	22.0	39.5 N	143.0 E	.000	83.47	31.09	6.7	USCGS
		35	51		P	EG,NG		83.5			
		35	58		PCP	VG					
		36	21		F	NS					
		39	08		PP	VG					
		41	01		PPP	NS					
		46	14		S	VG,EG					
		46	28		SCS	VG					
		46	33		F	EG					
		51	50		SS	EG					
92	23	22	22	36.0	39.5 N	143.0 E	.000	83.47	31.09	6.0	USCGS
		22	35	10	P	VS		84.0			
		22	35	16	PCP	VS					
		22	38	26	PP	VG					
		22	45	33	S	VG					
		22	46	26	PS	VG					
		23	04,0		L	VG					
		23	14,0		M	VG					
		23	17,0		M	VG					
93	23	23	08	53.0	46.5 N	008.1 E	.000	4.29	145.68	5.0	BCIS
		23	09	59	IPN	VS		4.2			
		23	10	08	IP*	VG					
		23	10	18	IPG	VG					
		23	10	51	ISN	VS,VG					
		23	11	02	IS*	VG					
		23	11	11	ISG	VG					
94	24	05	54	26.0	47.0 N	152.5 E	.000	79.29	21.69		USCGS
		6	06	37	IP	VS,VG					
		6	06	44	PCP	VG					

DOURHEES 1960

- 17 -

MARS

		6 08 31	E	VG							
95	25	02 28 56.0	19.0 S	177.5 O	.057	148.91	3.84			USCGS	
		2 48 02	PKP2	VS, VG							
		2 48 12	E	VS							
96	27	03 48 27.0	13.5 S	166.0 E	.000	140.42	29.13	6.0		USCGS	
		4 07 57	PKP	VG		140.5					
		4 08 06	E	VS							
		4 09 08	E	VS, NG							
		4 11 02	PP	EG							
		4 14 05	PPP	VG							
		4 21 31	PS	NG							
		4 23 18	PPS	NG							
97	27	08 57 53.0	13.5 S	166.5 E	.000	140.58	28.40	6.5		USCGS	
		9 17 21	PKP	VS							
		9 18 07	E	VG							
		9 20 26	PP	VS							
		9 57,0	L	VG							
		10 20,9	M	VG, EG							
		10 22,0	M	VG, EG							
98	27	20 15 45.0	19.0 N	105.0 O	.000	87.43	296.88	5.9		USCGS	
		20 28 32	P	VG							
		20 28 37	PCP	EG							
		20 30 53	E	EG							
		20 59,0	L	NG							
		21 01,6	M	NG							
99	27	23 28 25.0	38.5 S	175.0 E	.036	166.50	34.14			USCGS	
		23 49 12	IPKP2	VS, NS							
		23 49 18	E	NS, VG							
		23 49 26	E	VS, NS							
100	28	00 13 38.0	07.5 N	082.0 O	.000	82.05	272.23	6.6		USCGS	

DOUBBES 1960

- 18 -

MARS

26	01	P	VS, VG	82.2
26	07	PCP	VG	
29	10	PP	EG, NG	
31	07	PPP	VG	
35	17	S	VG, EG	
35	24	SKS	VG	
37	06	PS	NG	
37	28	PPS	NG	
50,0		L	NG	
58,0		M	VG, NG	

101	28	02 52	14.0	48.3 N	009.0 E	.000	3.40	120.24	BCIS
		2 53 11		PN	VS, ES		3.4		
		2 53 19		P*	VS				
		2 53 25		PG	NS				
		2 53 59		S*	VS, NS				
		2 54 08		SG	VS, NS				
		2 54 16		E	ES, NS				

102	28	12 37	50.0	23.0 S	176.0 O	.000	152.94	1.20	USCGS
		12 57 50		PKP	VS, EG				

103	28	20 48	45.0	57.7 N	032.0 O	.000	22.60	303.75	BCIS
		20 53 51		P	VG				
		20 54 03		E	VS				
		20 54 18		PP	VS				
		21 01,0		M	VG, EG				

104	29	06 30	54.0	17.0 S	167.0 E	.000	144.03	29.50	6.5	USCGS
		6 50 33,3		PKP	VS, NS		144.0			
		6 50 39		I	VG					
		6 50 49		I	VS, VG					
		6 53 50		PP	VG, EG					
		6 54 13		PKS	EG					
		6 57 41		SKS	VS, EG					
		6 59 45		PKKP	EG					
		7 00 35		SKKS	NG					
		7 01 04		SKKKS	VG					
		7 04 21		E	VG, EG					
		7 04 24		PS	NG					
		7 06 16		PPS	NG					

DOORBES 1960

		7 12 21	/SS/	EG						
		7 12 23	E	VG,NG						
		7 29,0	L	NG						
		7 44,0	M	VG						
		7 48,0	M	VG						
105	29	22 10 20.0	06.0 S	147.0 E	.000	125.87	48.50	6.0		USCGS
		23 19,0	LM	VG,EG						
106	30	10 49 47.0	13.5 S	166.0 E	.000	140.42	29.13	6.0		USCGS
		11 09 20	PKP	VS,VG						
		11 09 24	E	VG						
		11 11 23	E	VS,VG						
		11 15 27	E	VG,EG						
		12 01,0	L	NG						
107	30	12 58 57.0	69.0 N	017.0 O	.000	21.63	338.96			BCIS
		13 03 49	P	VG,EG		21.5				
		13 03 58	E	VG						
		13 04 12	PP	NG						
		13 07 46	S	FG,NG						
		13 08 18	SS	VG						
		14 10,8	M	EG						
108	30	15 19 30.0	22.1 S	174.0 E	.000	150.81	20.46	5.8		USCGS
		15 39 22	PKP	VG						
		15 39 28	PKP2	VG						
		15 43 06	PP	VG,EG						
		16 36,0	L	NG						
109	31	03 02 03.0	39.5 N	143.0 E	.000	83.47	31.09			USCGS
		3 49,0	M	EG,NG						
110	31	19 56 14.0	26.0 N	110.0 O	.000	84.61	304.77	5.5		USCGS
		20 08 59	P	VG		86.0				

DOURBES 1960

- 20 -

MARS - AVRIL

20 19 24	SKS	EG
20 19 33	S	NG
20 32,0	L	EG
20 40,0	M	EG,NG
20 42,0	M	NG

111	1	02 55	44.0	22.0 S	179.5 O	.097	151.76	8.04		USCGS
		3 13	55	PKP2	VS					
112	1	14 12	05.0	49.0 N	129.5 O	.000	73.61	330.51	5.0	USCGS
		14 49,0		L	NG					
		14 55,0		M	EG					
113	1	23 02	31.0	17.5 S	180,0 E	.080	147.25	8.12		USCGS
		23 21	24	/PKP2/	VS					
114	5	04 25	45.0	48.3 N	009.0 E	.000	3.40	120.24		BCIS
		4 26	43	PN	VS,ES		3.7			
		4 26	50	P*	VS					
		4 27	29	SN	NS					
		4 27	39	S*	NS					
		4 27	39	S*	VS,NS					
		4 27	47	SG	VS					
115	5	07 17	45.0	61.0 S	026.0 O	.000	113.52	195.66	6.1	USCGS
		8 16,0		L	NG					
		8 19,0		M	EG,NG					
116	7	13 47	28.0	24.0 S	179.5 O	.080	153.74	8.48	6.0	USCGS
		14 06	34	I/PKP/	VS					
		14 06	50	IPKP2	VS					
117	7	23 55	54.0	21.0 S	177.0 O	.030	150.92	3.06	6.0	USCGS

			15 28		/PKP/	NS						
			15 36		IPKP2	NS, VG						
			16 18		E	VS, VG						
			16 33		I	VG, EG						
			19 22		PP	VS, NS						
118	10	20 26	12.0	53.0 N	167.5 E	.000	76.17	10.52				USCGS
		20 38	10	P	VS, VG							
		20 38	21	PCP	VS							
		20 40	57	/PP/	VS							
119	10	22 05	25.0	37.8 N	027.6 E	.000	20.51	118.05				BCIS
		22 10	15	P	VS, VG							
120	12	04 22	39.0	37.8 N	027.6 E	.000	20.51	118.05				BCIS
		4 27	22	P	VG, EG		20.7					
		4 27	46	PP	VG, NG							
		4 31	11	S	VG							
121	13	12 37	38.0	15.5 N	092.5 O	.000	82.65	285.34	5.7			USCGS
		12 50	05	P	VS		83.0					
		12 50	11	PCP	VS							
		12 50	28	E	VS							
		12 53	19	PP	VS							
122	15	11 39	01.0	40.5 N	142.0 E	.020	82.24	31.35	5.7			USCGS
		11 51	10	P	VS, VG							
		11 51	13	PCP	VS, EG							
		11 51	24	E	VG							
123	15	22 05	06.0	13.5 S	166.0 E	.000	140.42	29.13	6.0			USCGS
		22 24	35	PKP	VG, NG		140.5					
		22 24	44	E	VG							
		22 24	51	E	VG							
		22 27	39	PP	VS, VG							

DOORBES 1960

- 22 -

AVRIL

22	28	12	PKS	VG,EG
22	28	21	E	EG
22	30	43	I	VG
22	31	48	SKS	EG
22	32	48	PPPP	NG
22	34	26	SKKS	VG,EG
23	29,0		LM	EG,NG

124	17	21 49	24.0	20.0 S	180.0 E	.080	149.73	8.59	USCGS	
		22 08	27	PKP2	VS,ES					
		22 08	36	E	VS					
125	18	08 07	07.0	28.0 N	139.5 E	.070	92.47	38.78	USCGS	
		8 19	34	P	VS					
126	19	19 26	00.0	51.5 N	174.0 0	.000	78.68	359.11	USCGS	
		19 38	08	P	VG					
127	21	02 16	29.0	02.5 S	110.0 0	.000	107.43	287.74	5.7	USCGS
		3 18,0		LM	VG,EG					
128	22	20 26	28.0	17.5 S	174.5 0	.026	147.46	358.39	USCGS	
		20 45	55	PKP	VG,NG	.026	147.5			
		20 46	01	E	VS					
		20 46	47	*PPKP	VG					
		20 46	51	E	VG					
		20 48	18	PP	VG					
129	23	11 43	50.0	42.7 N	012.5 E	.000	9.18	140.63	USCGS	
		11 46	24	PPP	VS					
		11 49,5		M	VG,EG					
130	24	03 22	23.0	06.0 S	113.5 E	.095	106.60	79.18	7.0	USCGS

DOURBES 1960

- 23 -

AVRIL

3 35	40	P	VS,EG	.095	106.6
3 39	47	PKP	VS,VG		
3 40	11	IPP	VG		
3 42	07	*PPP	VS,VG		
3 42	37	IPPP	EG		
3 43	15	*SPP	VG		
3 43	23	PKS	VG		
3 45	23	ISKS	VG,EG		
3 48	33	ISP	VG,EG		
3 49	32	*SSKS	EG,NG		
3 49	43	IPS	EG		
3 52	21	I*SSP	VG		
3 54	35	ISS	EG		

131	24	12 14	26.0	28.0 N	054.5 E	.000	43.56	101.29	5.6	USCGS
		12 22	36	IP	VS,EG		43.5			
		12 22	40	I	VS,EG					
		12 22	47	I	VG,EG					
		12 24	17	PP	VG,EG					
		12 24	21	PCP	VG,EG					
		12 24	52	PPP	VG,EG					
		12 25	03	IPPPP	VG,EG					
		12 29	05	S	VG					
		12 32	11	SS	VG					
		12 32	56	SSS	VG,NG					
		12 32,4		L	EG					
		12 39,4		M	NG					
		12 41,0		M	NG					

132	25	16 28	34.0	38.5 N	025.2 E	.000	18.67	120.52		USCGS
		16 32	59	P	VG,EG					
		16 33	05	/PP/	VG					
		16 33	21	PPP	VG					
		16 39,0		L	EG					
		16 39,4		M	VG,EG					
		16 40,4		M	VC					

133	26	10 59	55.0	46.7 N	067.4 E	.000	3.91	149.27		BCIS
		11 00	59	PN	VS		4.0			
		11 01	16	PG	VS					
		11 01	52	SN	VS					
		11 02	06	SG	VS,NS					

DOORBES 1960

- 24 -

AVRIL

134	27	17 11	30.0	03.5 S	146.5 E	.000	123.45	47.58		USCGS
		18 20,0		LM	NG					
135	27	22 43	49.0	18.0 N	120.0 E	.000	91.51	59.28	5.1	USCGS
		23 37,0		L	NG					
136	28	02 10	14.0	59.5 S	026.0 O	.000	112.12	196.24		USCGS
		3 10,3		LM	NG					
137	28	05 08	07.0	03.5 S	144.5 E	.000	122.48	49.67		USCGS
		6 18,0		L	EG,NG					
138	28	16 33	24.0	35.0 N	027.0 E	.000	22.22	124.26		BCIS
		16 38 21		P	VS,VG		21.9			
		16 38 27		E	VS					
		16 38 47		PP	VS					
		16 42 16		S	EG,NG					
		16 49,0		LM	VG,EG					
139	29	19 32	16.0	00.0 N	122.0 E	.000	107.16	68.34	6.3	BCIS
		19 51 04		IPP	VG,EG		107.0			
		19 51 25		E	VS,VG					
		19 53 20		PPP	EG					
		19 55 10		PPPP	VG					
		19 57 10		SKS	VG,EG					
		19 57 58		SKKS	VG,EG					
		19 58 33		S	NG					
		20 00 20		PS	VG,EG					
		20 01 26		PPS	EG,NG					
		20 06 10		SS	EG,NG					
		20 25,0		L	EG,NG					
		20 30,0		M	NG					
		20 32,0		M	NG					
140	30	04 01	32.0	00.0 N	122.0 E	.000	107.16	68.34	6.0	USCGS

DOURBES 1960

- 25 -

AVRIL - MAI

4	20	25	IPP	VS	107.2
4	20	33	E	VS, VG	
4	22	44	PPP	VG	
4	23	36	PKS	VG, EG	
4	24	32	PPPP	VG	
4	26	31	SKS	VG	
4	27	20	SKKS	EG	
4	27	56	S	EG, NG	
4	29	36	PS	VG	
4	30	40	PPS	VG, EG	
5	03,2		M	NG	
5	08,2		M	NG	

141	30	10 12	42.0	36.7 N	027.2 E	.000	21.07	120.86		USCGS
		10 25,0		LM	EG, NG					
142	2	08 42	31.0	03.5 S	012.5 O	.000	55.43	200.86		USCGS
		8 52 06		E	VS, VG					
		8 52 12		E	VS					
143	2	12 10	11.0	00.0 N	121.5 E	.000	106.86	68.76	5.7	USCGS
		12 29 00		PP	VG					
		13 15,0		LM	EG, NG					
144	2	18 37	52.0	36.9 N	026.8 E	.000	20.70	121.13		BCIS
		18 42 08		E	VS					
		18 49,0		M	VG, EG					
145	3	07 55	07.0	29.0 N	099.5 E	.000	71.20	67.11	5.3	USCGS
		8 06 31		P	VS, VG					
		8 06 51		PCP	VS, VG					
		8 37,0		M	NG					
146	3	13 22	07.0	00.0 N	121.5 E	.000	106.86	68.76	5.0	USCGS
		13 40 58		PP	VS, EG					

DOORBES 1960

- 26 -

MAI

		14	24.0		M	EG,NG						
147	3	22	22	41.0	32.0 N	140.0 E	.020	89.11	36.59	5.2		USCGS
		22	35	26	P	VS						
148	3	23	57	37.0	19.5 S	178.5 O	.095	149.36	5.73			USCGS
		16	25		IPKP2	VS,VG						
149	4	18	29	40.0	20.0 S	173.0 E	.000	148.56	21.23	5.6		USCGS
		18	49	35	IPKP2	VS,VG						
150	5	11	26	00.0	52.5 N	158.5 E	.000	75.32	16.11	5.2		USCGS
		11	37	40	P	VS,VG						
		11	37	49	E	VG						
		11	37	53	PCP	VG,EG						
151	6	18	47	26.0	54.0 N	161.0 E	.000	74.30	14.18	4.8		USCGS
		18	59	08	P	VS,VG						
		18	59	23	PCP	VS						
152	8	14	29	25.0	45.0 N	151.0 E	.012	80.78	23.40			BCIS
		14	41	28	P	VS,VG						
153	9	00	11	10.0	30.5 N	129.5 E	.000	85.99	45.15			USCGS
		23	53		P	VS,VG						
154	9	16	27	26.0	06.5 N	033.5 O	.000	53.87	229.34			BCIS
		16	36	53	P	VS,VG						

DOORBES 1960

155	11	13 25	00.0	44.6 N	011.2 E	.000	7.09	138.33		BCIS
		13 26	52	PN	VS		7.2			
		13 27	02	/P*/	VS					
		13 28	12	SN	VS					
		13 29	01	SG	VS					
156	11	18 36	00.0	03.0 S	131.0 E	.000	114.85	62.38	6.3	USCGS
		19 05	20	PS	VG					
		19 06	34	PPS	VG,EG					
		19 36	0	L	EG,NG					
		19 39	0	M	EG					
		19 42	0	M	EG					
157	12	22 32	32.0	07.5 N	081.0 O	.000	81.41	271.46	6.2	USCGS
		22 44	55	IP	NG		81.5			
		22 45	01	PCP	VS,VG					
		22 48	02	PP	NG					
		22 49	54	PPP	EG					
		22 55	06	S	EG,NG					
		22 55	55	PS	VG,EG					
		22 56	16	PPS	EG					
		23 00	25	SS	VG					
		23 06	0	L	NG					
		23 09	0	M	NG					
		23 12	0	M	NG					
158	13	03 55	36.0	48.5 N	007.3 E	.000	2.38	131.06		BCIS
		3 56	20	PG	VS,NS		2.2			
		3 56	42	SN	VS,NS					
		3 56	46	S*	VS,NS					
		3 56	50	SG	NS,NG					
159	13	16 07	12.0	55.0 N	161.5 O	.000	74.54	351.75	6.0	USCGS
		16 18	55	IP	VS		74.5			
		16 19	10	PCP	EG					
		16 21	40	PP	VS,VG					
		16 21	58	I	VG					
		16 23	28	PPP	VG					
		16 28	29	S	EG,NG					
		16 29	08	PS	NG					

DOORBES 1960

- 28 -

MAI

	16	29	18		PPS	NG						
	16	29	22		E	EG						
	16	45,0			L	NG						
	16	51,0			M	VG						
	16	55,0			M	VG,EG						
160	13	20	46	35.0	32.5 S	179.0 0	.000	162.21	9.98	5.0		USCGS
		22	20,0		L	NG						
161	14	22	19	55.0	53.5 N	159.5 E	.000	74.54	15.21	5.0		USCGS
		22	31	39	IP	VS,VG						
		22	31	46	I	VS,VG						
		22	31	53	PCP	VS,VG						
		22	34	30	E	VG						
		23	03,0		LM	EG						
162	18	06	35	09.0	29.0 N	130.0 E	.012	87.49	45.57	6.4		USCGS
		6	47	51	P	VG	.010	88.0				
		6	47	54	PCP	VS,NG						
		6	48	15	*PP	NS,VG						
		6	51	18	PP	VS						
		6	51	44	*PPP	VG,EG						
		6	53	21	IPPP	NG						
		6	54	45	PPPP	VG						
		6	58	04	SKS	VG						
		6	58	17	I	VG,EG						
		6	58	24	S	VG,EG						
		6	58	27	SCS	EG,NG						
		6	59	37	PS	VG						
		7	00	09	PPS	VG,EG						
		7	00	12	SS	EG						
		7	21,0		M	EG,NG						
163	19	02	07	00.0	36.0 N	071.0 E	.030	48.88	80.17	6.2		BCIS
		2	15	34	IP	VG	.020	49.5				
		2	15	39	I	VS,VG						
		2	16	09	I*PP	VG,EG						
		2	16	47	E	VG						
		2	17	28	PP	VG						
		2	18	31	PPP	VG,EG						
		2	22	33	IS	VG,EG						

DOORBES 1960

- 29 -

MAI

		2 23 35	I*SS	EG							
		2 26 03	SS	NG							
164	19	10 11 51.0	17.0 S	066.0 E	.000	85.84	122.64	6.2		USCGS	
		10 24 32	P	VS		85.8					
		10 25 27	I	VG							
		10 26 45	I	VG							
		10 27 59	PP	EG							
		10 29 15	E	EG							
		10 29 57	E	VG							
		10 35 05	S	VG,NG							
		10 35 02	E	VG							
		10 35 16	SCS	VG							
		10 36 10	PS	NG							
		10 36 41	/PPS/	EG,NG							
		10 40 54	SS	NG							
		10 48,0	LQ	EG,NG							
165	20	04 14 33.0	27.5 N	053.0 E	.012	42.97	103.17	5.0		BCIS	
		4 22 28	P	NS	.012	43.6					
		4 28 54	S	EG							
		4 32 06	SS	EG							
		4 34,0	L	NG							
		4 40,5	M	NG							
166	20	11 12 31.0	28.0 S	167.5 E	.000	154.33	36.89	6.5		USCGS	
		11 32 28	PKP1	VG,EG		155.2					
		11 32 45	I	VG							
		11 32 55	IPKP2	VG,EG							
		11 35 55	/PKS/	EG							
		11 36 30	PP	VG,EG							
		11 39 35	SKS	VG,EG							
		11 40 06	PPP	VG,EG							
		11 43 13	/SKKS/	VG,NG							
		11 44 39	PKKS	EG							
		11 49 41	PPS	EG							
		11 55 11	E	EG,NG							
		12 24,0	L	VG,EG							
167	21	06 41 12.0	37.8 N	020.0 E	.000	16.50	132.29	5.0		BCIS	
		6 45 14	P	VG,EG		17.1					

DOURBES 1960

- 30 -

MAI

6 45 27	PP	VS, VG
6 45 35	PPP	VS
6 48 27	S	EG
6 49,6	L	EG
6 51,0	M	VG

168	21	10 02 50.0	37.5 S	073.5 0	.000	110.99	236.42	8.0	USCGS
		10 17 31	IP	VG, EG		111.0			
		10 18 04	I	VG, EG					
		10 21 16	I	VG					
		10 21 26	IPKP	VG, NG					
		10 22 08	IPP	VG, EG					
		10 24 31	IPPP	NG					
		10 25 04	PKS	VG, NG					
		10 26 21	IPPPP	VG					
		10 28 08	SKS	VG					
		10 28 37	SKS2	VG					
		10 29 05	SKKS	VG					
		10 31 31	PS	VG					
		10 32 45	PPS	VG					
		11 01,0	M	NG					

169	21	19 06 23.0	37.5 S	073.5 0	.000	110.99	236.42		USCGS
		20 09,0	M	NG					

170	22	00 58 06.0	28.5 S	167.5 E	.000	154.77	37.41		USCGS
		2 27,0	M	NG					

171	22	03 46 22.0	37.5 S	073.0 0	.000	110.72	236.11		USCGS
		4 50,0	M	NG					

172	22	06 01 36.0	38.0 S	073.5 0	.000	111.36	236.06	5.2	USCGS
		7 03,0	M	NG					

173	22	08 10 53.0	37.5 S	073.0 0	.000	110.72	236.11	5.5	USCGS
		9 10,0	M	EG					

DOORBES 1960

174	22	10 32	43.0	37.5 S	073.0 0	.000	110.72	236.11	7.5	USCGS
		10 47	19	P	VS		110.7			
		10 49	54	E	EG					
		10 51	13	PKP	EG					
		10 51	58	IPP	EG					
		10 54	22	IPPP	EG,NG					
		10 57	56	ISKS	EG					
175	22	18 55	57.0	38.0 S	073.5 0	.000	111.36	236.06	7.7	USCGS
		19 10	37	P	VS		111.0			
		19 14	33	PKP	NG					
		19 15	13	IPP	VS					
		19 17	32	PPP	EG					
		19 18	06	PKS	VS					
		19 21	11	SKS	NG					
		19 21	43	SKS2	VS					
		19 24	38	PS	NG					
		19 47.0		L	VS					
176	22	19 10	37.0	38.5 S	074.5 0	.000	112.26	236.32	7.7	USCGS
		19 30	28	IPP	NS					
		19 30	34	E	NS					
		19 36	10	ISKS	NS					
177	22	19 11	17.0	39.5 S	074.5 0	.000	112.98	235.57	8.5	USCGS
		19 30	52	IPP	NS					
		19 30	58	E	NS					
		19 36	39	I/SKS/	VS					
		19 36	56	I	NS					
178	23	00 25	43.0	38.5 S	073.7 0	.000	111.83	235.82		USCGS
		44 58		PP	VS					
179	23	02 46	30.0	41.5 S	073.5 0	.000	113.91	233.47		USCGS
		3 06	06	PP	VS					

DOORBES 1960

- 32 -

MAI

180	23	05 13	35.0	38.0 S	073.5 O	.000	111.36	236.06	6.5	USCGS
		5 32 33		PKP	VS					
		5 33 12		E	VS					
		6 12,0		M	NS					
181	23	07 09	17.0	48.0 S	077.0 O	.000	120.25	230.23	6.2	USCGS
		7 27 45		PP	VS					
182	23	09 52	20.0	37.5 S	073.0 O	.000	110.72	236.11	6.3	USCGS
		10 51,0		M	VG,EG					
183	23	10 37	59.0	43.5 S	073.5 O	.000	115.36	231.95	6.1	USCGS
		10 57 47		PP	VG,EG					
		10 07 22		PS	EG					
		11 37,0		L	EG					
		11 42,0		M	EG					
184	23	13 19	01.0	48.3 N	007.2 E	.000	2.48	135.50		USCGS
		13 19 50		PG	VS		2.5			
		13 20 19		S*	VS					
185	23	14 01	37.0	42.5 S	074.0 O	.000	114.89	233.01	6.0	USCGS
		15 00,0		L	VG,EG					
		15 05,0		M	EG					
186	23	15 44	50.0	43.5 S	073.5 O	.000	115.36	231.95		BCIS
		16 50,0		LM	EG					
187	23	19 59	48.0	41.0 S	075.0 O	.000	114.33	234.74		BCIS
		21 03,0		LM	VG,EG					

DOORBES 1960

- 33 -

MAI

188	23	22 05	44.0	37.0 S	074.0 0	.050	110.89	237.10		USCGS
		23 07,0		LM	EG					
189	24	01 37	39.0	43.0 S	074.5 0	.004	115.51	232.91		USCGS
		2 45,0		LM	EG					
190	24	03 24	00.0	38.5 S	074.0 0	.000	111.99	236.01		USCGS
		4 22,0		LM	EG					
191	24	14 46	34.0	44.5 S	167.5 E	.000	167.03	70.74	6.7	USCGS
		15 06 52		PKP1	VG		167.0			
		15 07 54		PKP2	VS, VG					
		15 08 08		I	NG					
		15 10 14		IPKS	EG					
		15 11 40		IPP	EG					
		15 11 44		I	VG					
		15 13 44		SKS	EG					
		15 15 30		PPP	VG					
		15 18 22		SKKS	VG, EG					
		15 25 16		PPS	EG					
		15 32 16		SS	EG					
		16 00,0		L	EG, NG					
		16 12,0		LM	VG, NG					
		16 18,0		M	EG					
		16 28,0		M	EG, NG					
192	24	20 32	43.0	50.5 S	074.0 0	.000	120.51	226.55	5.5	USCGS
		21 30,0		L	EG					
		21 38,0		M	EG, NG					
		21 44,0		M	NG					
193	25	00 19	20.0	45.0 S	076.0 0	.000	117.68	232.18		USCGS
		1 27,0		LM	NG					
		1 32,0		E	NG					

194	25	04 44	14.0	47.0 S	075.0 O	.050	118.58	230.00	5.7	USCGS
		5 40,0		L	EG,NG					
		5 49,0		M	VG,EG					
195	25	08 34	33.0	45.0 S	076.0 O	.000	117.68	232.18	7.0	USCGS
		8 53 22		PKP	EG		118.0			
		8 54 33		IPP	VS,EG					
		8 57 01		PKS	EG,NG					
		8 57 12		PPP	NG					
		9 00 19		SKS	VG					
		9 00 36		SKS2	VG,EG					
		9 01 35		SKKS	VG					
		9 04 13		PKKP	VG					
		9 04 23		PS	VG,EG					
		9 05 41		PPS	NG					
		9 10 57		SS	VG,NG					
		9 26,0		L	VG,EG					
		9 40,0		M	VG,NG					
196	25	14 59	12.0	22.0 S	179.5 O	.089	151.76			USCGS
		15 18 10		PKP2	VS					
197	26	00 48	00.0	40.6 N	020.6 E	.000	14.68	124.19		USCGS
		57,0		M	EG,NG					
198	26	05 10	11.0	40.6 N	020.6 E	.000	14.68	124.19	6.5	BCIS
		5 13 42		IP	VS,NS		14.7			
		5 13 48		IP	VS,VG					
		5 13 57		IPP	NS					
		5 14 02		IPPP	VG,EG					
		5 16 29		S	VG,EG					
		5 16 37		IS	VG,EG					
		6 16,7		L	VG,EG					
		6 18,0		LR	VS,NS					
199	26	20 05	07.0	27.0 N	093.2 E	.000	68.85	72.89	5.0	USCGS
		20 16 16		P	VS,VG		68.8			

DOORBES 1960

- 35 -

MAI

		20 16 37		PCP	VS,NS						
		20 18 50		PP	VG						
		20 20 00		E	VG						
		20 25 18		S	VG						
		20 38,4		L	VG						
200	27	00 25 03.0	22.0 S	172.0 E	.000	150.23	24.04				USCGS
		45 00	PKP2	VS							
		45 23	E	VS							
201	27	03 17 21.0	41.0 S	076.0 0	.000	114.86	235.34	5.8			USCGS
		4 17,0	LM	VG,EG							
202	27	23 06 55.0	45.0 S	077.0 0	.000	118.19	232.74				USCGS
		2,0	L	EG,NG							
		12,3	M	NG							
203	28	03 05 53.0	39.5 S	074.5 0	.000	112.98	235.57	5.5			USCGS
		4 08,0	LM	EG							
204	28	11 05 40.0	38.0 S	073.0 0	.000	111.09	235.75	6.0			USCGS
		12 01,0	L	VG,EG							
		12 07,0	M	EG							
205	29	07 39 29.0	38.0 S	072.5 0	.000	110.82	235.43	6.5			USCGS
		7 58 38	PP	VS,VG							
		8 00 59	PPP	VS,VG							
206	29	21 23 54.0	43.0 S	077.0 0	.000	116.80	234.36				USCGS
		22 19,0	L	EG							
		22 29,0	M	EG							

DOORBES 1960

- 36 -

MAI - JUIN

207	31	00 23	49.0	13.5 N	055.0 E	.004	54.75	113.46		USCGS
		33 14		E	VG					
208	31	02 40	00.0	39.5 S	075.0 O	.000	113.25	235.88	6.2	USCGS
		2 59 34		PP	VS,EG					
		3 09 09		/PS/	EG					
		3 34,0		M	NG					
209	31	04 52	28.0	18.0 S	168.5 E	.000	145.44	27.71		USCGS
		5 12 10		PKP	VG					
210	31	11 02	20.0	18.0 N	062.0 O	.000	61.36	264.02	6.5	USCGS
		11 12 37		IP	VS,VG		61.0			
		11 12 43		I	VG					
		11 13 21		IPCP	VG,EG					
		11 13 33		I	VG,EG					
		11 14 52		PP	VG,NG					
		11 16 23		PPP	VG,NG					
		11 16 52		PPPP	VG					
		11 19 55		I	NG					
		11 21 06		E	VG					
		11 21 15		PS	VG					
		11 24 53		SS	EG					
		11 29,0		M	EG,NG					
211	2	05 58	03.0	46.5 S	074.0 O	.000	117.74	229.86	6.7	USCGS
		6 16 51		PKP	VG		117.0			
		6 16 56		E	VG					
		6 18 05		PP	VG,EG					
		6 20 23		PKS	EG					
		6 23 56		/SKS2/	NG					
		6 51,0		L	EG,NG					
		7 06,0		"	NG					
212	2	07 22	30.0	33.5 N	060.0 E	.000	43.41	90.76	5.2	USCGS
		7 30 38		P	VS					

DOORBES 1960

213	2	07 19	10.0	19.0 S	175.0 O	.018	148.96	359.26		USCGS
		7 38	47	PKP	VS					
214	2	07 47	11.0	05.5 S	151.5 E	.000	127.52	43.27	6.5	USCGS
		8 06	21	PKP	VS, VG		127.5			
		8 08	24	IPP	VG, EG					
		8 09	52	PKS	VG					
		8 13	21	SKS	EG					
		8 18	21	PS	EG					
		8 19	59	PPS	VG					
		8 25	34	/SSP/	VG					
		8 47,0		L	EG					
		9 00,0		M	EG					
		9 04,0		M	VG, EG					
215	2	12 42	38.0	33.5 N	049.0 E	.000	36.37	99.99	5.0	BCIS
		12 49	47	P	VS, VG					
		13 06,3		L	VG					
216	2	18 59	05.0	20.5 S	178.5 O	.086	150.35	5.87		USCGS
		19 18	00	PKP2	VS, VG					
		19 18	09	E	VG					
217	2	21 30	58.0	38.5 S	074.0 O	.000	111.99	236.01	5.5	USCGS
		22 35,0		LM	EG					
		22 47,0		L	NG					
218	3	13 23	37.0	17.5 S	179.0 O	.095	147.33	6.36	6.0	USCGS
		13 42	21	IPKP1	VG					
		13 42	26	IPKP2	VG					
		13 42	31	I	VG					
		13 44	45	*PPKP	VG, NG					
219	3	16 18	04.0	41.5 N	141.5 E	.012	81.18	31.24	5.5	USCGS
		16 30	15	P	VG	.010	82.0			

		16 30 40	*PP	VG							
		16 33 26	PP	VG							
		16 59,0	L	NG							
		17 03,0	LM	EG,NG							
220	3	18 17 36.0	42.5 S	075.0 O	.000	115.41	233.59	5.5		USCGS	
		19 25,0	LM	VG,EG							
221	3	21 38 02.0	31.5 N	114.0 O	.000	82.18	310.85			USCGS	
		22 24,0	LM	NG							
222	4	02 27 06.0	20.0 N	104.5 O	.000	86.35	297.11	6.2		USCGS	
		2 39 50	P	VG							
		3 08,0	LM	NG							
223	4	03 02 49.0	39.0 S	073.5 O	.000	112.09	235.33			USCGS	
		4 03,0	LM	NG							
224	4	08 09 45.0	39.5 N	030.0 O	.000	26.48	259.76			BCIS	
		8 15 24	P	VS,VG							
		8 15 53	E	VG							
		8 16 05	E	VG							
		8 19 37	/S/	VG,NG							
		8 23,0	LM	VG,EG							
225	4	11 05 10.0	39.5 N	030.5 O	.000	26.79	260.26			USCGS	
		11 10 51	P	VS							
		11 11 01	E	VS,VG							
		11 18,0	LM	EG,NG							
226	4	11 32 53.0	43.5 S	073.0 O	.000	115.10	231.66			BCIS	
		12 39,0	LM	EG							

DOUREES 1960

- 39 -

JUIN

227	5	19 30	30.0	31.5 S	177.0 0	.000	161.38	4.26	5.6	USCGS
		21 02,0		LM	VG					
228	6	01 17	48.0	41.0 N	125.0 0	.000	78.99	323.60	5.7	USCGS
		1 29 59		IP	VS, VG		79.0			
		1 30 08		IPCP	VG, EG					
		1 32 56		PP	EG					
		1 34 50		PPP	EG					
		1 39 58		S	VG					
		1 40 38		PS	EG					
		1 45,1		SS	VG, EG					
		1 52,0		L	EG					
		2 00,0		M	EG					
		2 08,3		M	VG					
229	6	05 55	44.0	45.5 S	073.5 0	.000	116.78	230.38	7.5	USCGS
		6 10 46		P	EG		116.8			
		6 14 32		PKP	VG					
		6 15 33		I/PP/	VG					
		6 18 08		IPKS	VG					
		6 21 40		ISKS	VG					
230	6	17 15	33.0	46.0 S	073.5 0	.000	117.14	229.99	5.5	USCGS
		18 14,0		LM	EG					
231	7	05 22	34.0	40.5 S	072.0 0	.000	112.41	233.31	6.0	USCGS
		6 23,0		LM	VG, EG					
232	7	12 57	15.0	53.0 N	158.5 E	.000	74.84	15.96		USCGS
		13 08 58		IP	VS, VG					
		13 09 03		E	VG					
		13 09 15		/PCP/	EG					
		13 54,0		LM	EG					

DOORBES 1960

- 40 -

JUIN

233	7	14 02	16.0	44.0 S	073.5 0	.000	115.71	231.56		BCIS
		15 07,0		LM	EG					
234	8	16 19	48.0	35.0 N	035.0 0	.000	32.37	257.46	5.5	USCGS
		16 26 19		P	VG		32.0			
		16 27 25		PP	VG					
		16 27 40		PPP	VS, VG					
		16 31 28		S	VG					
		16 39,3		M	VG					
235	8	21 42	30.0	41.0 S	076.0 0	.000	114.86	235.34		BCIS
		22 56,0		LM	VG					
236	9	17 47	41.0	38.0 N	026.0 0	.000	24.88	252.66		BCIS
		17 53 11		P	VS		25.5			
		17 53 24		E	VS					
		17 53 51		PP	VS					
		17 54 04		PPP	VS					
		17 57 39		S	VS					
237	10	14 29	47.0	37.0 S	075.0 0	.000	111.43	237.73	5.5	USCGS
		15 34,0		LM	VG					
238	10	21 12	05.0	15.5 S	174.0 0	.000	145.45	357.61	6.0	USCGS
		21 31 47		IPKP2	VG, NG		145.5			
		21 31 57		E	NG					
		21 32 09		I	VG					
		21 35 21		PKS	NG					
		21 35 27		PPP	NG					
		21 38 48		E	VG, NG					
		21 38 57		E	NG					
		21 40 40		E	VG					
		21 42 15		/SKKS/	VG					
		21 42 47		SKKKS	VG, NG					
		21 46 15		E	NG					
		21 48 11		E	NG					
		22 32,0		M	NG					

239	11	00	34	48.0	21.0 S	064.5 O	.045	93.31	240.93	6.0	USCGS
			47	39	P	VS	.035	94.0			
			48	47	*PP	VG					
			57	50	SKS	NG					
			1	06,0	LM	NG					
240	11	15	14	07.0	09.0 S	152.5 E	.000	131.07	44.14	6.2	USCGS
			15	33	25	PKP	VS,ES	132.0			
			15	33	35	E	VG				
			15	35	48	PP	VS,VG				
			15	36	49	IPKS	VG				
			15	38	39	PPP	ES,VG				
			15	40	25	SKS	ES				
			15	40	43	PPPP	VG				
			15	45	58	PS	ES				
			15	47	42	PPS	ES,VG				
			15	53	37	/SS/	VG				
			16	13,0	L	VG					
			16	23,0	M	VG					
241	11	16	37	40.0	09.5 S	152.5 E	.000	131.52	44.44	6.0	USCGS
			16	57	02	PKP	VS,VG	132.7			
			16	59	25	PP	ES				
			17	00	27	/PKS/	VG				
			17	02	17	PPP	VS,ES				
			17	46,0	M	VG					
			1	25,0	LM	VG					
242	13	05	47	05.0	44.5 S	076.5 O	.000	117.59	232.87	6.0	USCGS
			6	48,0	LM	VG,NG					
243	13	23	31	53.0	42.5 S	074.5 O	.000	115.15	233.30		USCGS
			42,0		M	VG					
244	14	02	54	13.0	43.0 S	073.0 O	.000	114.74	232.04	5.5	USCGS
			4	01,0	M	VG					

245	14	23 38	13.0	09.0 S	152.5 E	.000	131.07	44.14	5.7	USCGS
		23 57 33		PKP	VS, VG					
		24 45,0		L	NG					
246	15	11 18	09.0	44.0 S	074.0 O	.000	115.97	231.85		USCGS
		12 26,0		LM	VG, NG					
247	15	15 36	51.0	41.0 N	142.5 E	.000	81.96	30.78	6.0	USCGS
		15 49 16		P	VS, VG		82.3			
		15 49 25		/PCP/	VG					
		15 49 29		E	VS					
		15 52 29		PP	VG					
		15 59 28		S	NG					
		16 20,0		L	NG					
		16 22,0		LM	NG					
		16 26,0		M	NG					
248	15	23 32	35.0	26.0 S	178.5 E	.089	155.47	13.30		USCGS
		23 51 50		PKP2	VS					
249	15	23 27	40.0	00.5 S	133.0 E	.000	113.92	59.03	6.4	USCGS
		23 47 22		PP	VG		114.2			
		23 53 08		SKS	VG					
		23 56 53		PS	VG					
		24 21,0		LM	VG					
250	17	05 02	34.0	18.0 S	178.0 O	.095	147.89	4.64		USCGS
		5 21 20		PKP2	NS					
251	19	03 35	14.0	47.5 N	007.3 E	.000	3.15	144.46		BCIS
		3 36 17		PG	NS		3.1			
		3 36 51		S*	NS					

DOORBES 1960

- 43 -

JUIN

		3 36 58	SG	NS,EG							
		3 37 07	E	NS							
252	19	12 21 53.0	15.0 S	178.5 O	.080	144.88	5.20				USCGS
		12 40 42	IPKP	VG							
253	19	17 17 25.0	28.0 N	142.5 E	.000	93.65	36.41	5.2			USCGS
		18 08,0	L	VG,EG							
		18 10,3	M	EG,NG							
254	20	02 01 08.0	38.0 S	073.5 O	.000	111.36	236.06	7.3			USCGS
		2 15 47	P	EG		111.4					
		2 19 42	PKP	VG,EG							
		2 20 27	PP	EG,NG							
		2 22 47	PPP	VG							
		2 23 23	IPKS	VG,NG							
		2 24 37	PPPP	VG,NG							
		2 26 25	SKS	VG,EG							
		2 26 58	SKS2	VG							
		2 29 51	PS	EG							
		2 30 58	IPPS	VG							
		2 35 58	SS	VG							
		2 50,0	L	VG							
		2 55,0	M	VG							
255	20	12 59 40.0	39.5 S	073.0 O	.000	112.19	234.66	7.0			USCGS
		13 14 25	P	VG,EG		112.2					
		13 18 21	PKP	VG,EG							
		13 19 07	PP	VG,EG							
		13 21 27	PPP	VG,EG							
		13 21 49	F	VG							
		13 23 15	PPPP	VG							
		13 24 59	SKS	EG							
		13 25 32	SKS2	NG							
		13 26 03	SKKS	EG							
		13 28 37	PS	NG							
		13 29 50	PPS	VG							
		13 44,0	L	NG							
		13 55,0	M	EG							

DOORBES 1960

- 44 -

JUIN

256	20	16 59 35.0	38.5 S	074.0 0	.000	111.99 236.01	5.5	USCGS
		17 57,0	LM	EG				
257	21	08 34 39.0	04.5 S	105.0 0	.000	105.88 282.36	6.0	USCGS
		9 25,0	L	EG				
258	21	21 33 45.0	61.0 S	021.0 0	.000	112.72 193.17	5.7	USCGS
		22 22,0	L	EG				
		22 36,0	M	NG				
259	22	06 40 15.0	39.0 S	074.5 0	.005	112.62 235.95	5.5	USCGS
		7 38,0	L	EG				
		7 46,0	M	EG,NG				
260	22	08 57 19.0	36.5 S	072.5 0	.000	109.71 236.50		USCGS
		9 58,0	L	VG				
261	22	16 12 00.0	12.0 N	057.5 E	.000	57.41 112.22	4.5	USCGS
		16 21 55	IP	VS,VG		57.5		
		16 22 00	E	VS				
		16 22 45	PCP	EG				
		16 49,0	LM	EG				
262	22	20 13 18.0	38.5 S	073.5 0	.000	111.72 235.69		USCGS
		21 12,0	LM	EG				
263	22	23 28 50.0	52.0 N	173.0 0	.000	78.17 358.48	6.0	USCGS
		23 40 52	P	VG,EG				
		23 40 57	PCP	VG				
		24 19,0	LM	EG,NG				

DOORBES 1960

- 45 -

JUIN

264	25	02 02	35.0	30.5 S	177.0 0	.000	160.38	4.10	5.7	USCGS
		2 22	39	PKP1	VG,EG					
		2 23	25	PKP2	VG,EG					
		3 30,0		LM	NG					
265	25	14 29	13.0	51.5 N	005.7 E	.000	1.57	26.07		BCIS
		14 29	38	IPN	VG		1.3			
		14 29	56	ISN	VG					
266	25	14 41	42.0	30.5 S	177.0 0	.000	160.38	4.10	6.2	USCGS
		15 01	49	PKP1	VG		161.0			
		15 02	31	PKP2	VG					
		15 06	12	PP	VG					
		15 08	46	SKS	EG					
		15 09	58	PPP	EG					
		15 55,0		L	NG					
		16 06,0		M	EG					
		16 10,0		M	NG					
267	27	16 50	24.0	32.5 S	178.0 0	.000	162.31	7.22		USCGS
		18 19,0		M	NG					
268	29	01 57	16.0	43.0 S	074.0 0	.000	115.25	232.62	6.0	USCGS
		2 58,0		L	VG,EG					
		3 03,0		M	EG					
269	29	04 29	12.0	30.0 S	177.5 0	.000	159.86	5.28	6.0	USCGS
		14 49	55	PKP2	VG					
		6 00,0		LM	VG,EG					
270	29	10 23	00.0	47.2 N	027.0 0	.000	20.96	274.29	5.0	USCGS
		10 27	49	IP	VS,ES		21.0			
		10 27	58	I	VS					
		10 28	03	I	VS					

DOORBES 1960

- 46 -

JUIN - JUILLET

		10 28 13	IPP	VS,ES							
		10 28 23	IPPP	ES,NS							
		10 31 43	S	VG,EG							
		10 31 50	I	EG,NG							
		10 34,0	L	NG							
		10 38,0	M	EG,NG							
271	29	17 07 00.0			53.0 N	168.5 O	.000	77.02	355.73	6.3	USCGS
		17 18 57	P	VS,NS							
		17 57,0	LM	EG							
272	30	19 58 33.0			60.0 N	151.0 O	.000	68.40	347.12		USCGS
		20 09 34	P	VS,EG							
273	1	07 58 58.0			56.0 N	165.0 E	.000	72.93	11.35	5.5	USCGS
		8 10 33	P	VS				72.9			
		8 10 47	PCP	VG							
		8 13 16	PP	VG							
		8 19 56	S	EG							
		8 20 33	PS	EG,NG							
		8 44,0	LM	EG							
274	2	04 29 30.0			51.5 N	173.5 O	.000	78.68	358.79	5.2	USCGS
		4 41 33	P	VG							
		5 20,0	LM	EG							
275	2	08 58 01.0			45.5 S	075.0 O	.000	117.53	231.22	5.5	USCGS
		10 02,0	L	EG							
276	2	11 55 41.0			56.0 S	027.0 O	.000	109.03	198.11	5.7	USCGS
		12 14 39	IPP	VG				108.5			
		12 14 59	F	VG							
		12 16 57	PPP	EG							
		12 18 45	PPPP	EG							
		12 19 44	SKS	NG							

DOUBES 1960

- 47 -

JUILLET

		12 21 35	SKKS	NG						
		12 22 10	S	NG						
		12 23 58	PS	EG,NG						
		12 25 04	PPS	VG,EG						
		12 29 55	SS	EG,NG						
		12 44,0	L	EG						
		12 55,0	M	NG						
277	2	12 44 21.0	41.0 N	131.5 E	.086	77.94	38.18			USCGS
		12 55 28	I/P/	VG,NG						
278	3	03 19 19.0	52.0 N	174.0 O	.000	78.18	359.11	5.2		USCGS
		4 09,0	LM	NG						
		4 20,0	M	VG,EG						
279	3	20 20 46.0	50.5 N	177.0 O	.000	79.68	1.03	6.8		USCGS
		20 32 59	IP	VS,NG		79.7				
		20 33 05	IPCP	ES						
		20 33 11	I*PP	VS						
		20 33 20	I	VS						
		20 35 55	IPP	VS,EG						
		20 37 45	PPP	VG,NG						
		20 39 00	PPPP	NG						
		20 42 57	IS	NG						
		20 43 43	PS	VG						
		20 44 02	PPS	EG						
		20 48 11	ISS	EG,NG						
		21 00,0	L	VG,EG						
		21 08,0	M	EG						
		21 17,0	M	EG						
280	3	22 52 24.0	50.5 N	177.0 O	.000	79.68	1.03			USCGS
		23 04 38	IP	VG,EG						
		23 04 46	IPCP	VS,NS						
281	4	04 28 33.0	52.0 N	131.5 O	.000	71.58	333.18	6.7		USCGS
		4 40 01	IP	VS,NG		71.6				
		4 40 20	IPCP	VS						

		4	42	40	IPP	EG						
		4	44	18	PPP	VG						
		4	45	24	PPPP	NG						
		4	49	22	IS	NG						
		4	49	51	PS	VG						
		4	50	05	IPPS	EG,NG						
		4	53	57	SS	NG						
		5	04,0		L	VG,EG						
		5	09,0		M	VG						
282	4	13	10	05.0	52.0 N	131.0 0	.000	71.44	332.90	5.8	USCGS	
		13	21	34	IP	VS,VG		72.0				
		13	21	55	PCP	VG,EG						
		13	24	15	PP	EG						
		13	30	55	S	EG						
		13	31	25	PS	EG						
		13	31	37	PPS	EG						
		13	35	34	SS	EG						
		13	43,0		L	NG						
		13	50,5		M	EG,NG						
283	4	21	29	25.0	43.0 S	074.0 0	.005	115.25	232.62	5.5	USCGS	
		22	34,0		LM	VG,NG						
284	5	05	45	30.0	30.5 S	073.5 0	.000	105.76	241.31	6.0	USCGS	
		6	44,0		L	EG						
		6	48,0		LM	VG,EG						
		6	54,0		M	VG						
285	5	21	15	09.0	08.0 S	071.5 0	.095	87.24	254.23		USCGS	
		21	27	01	IP	VS,ES						
286	6	05	16	46.0	36.5 N	070.5 E	.030	48.26	79.98	6.6	BCIS	
		5	25	11	IP	VG,NG	.028	49.0				
		5	25	18	E	VG						
		5	25	57	I*PP	VS,EG						
		5	26	20	I*SP	EG						
		5	27	05	PP	VG,EG						

DOORBES 1960

- 49 -

JUILLET

		5 31 57	S	VG							
		5 32 13	E	EG							
		5 33 22	*SS	EG							
		5 35 24	SS	EG							
287	8	12 51 27.0	30.5 N	130.5 E	.012	86.44	44.42	5.8		USCGS	
		13 04 04	P	VS, VG		86.4					
		13 07 27	PP	VG							
		13 09 59	E	VG							
		13 38,0	LM	EG							
288	9	00 42 29.0	25.5 N	125.5 E	.000	88.26	50.83	5.2		USCGS	
		1 27,0	L	EG							
		1 30,0	LM	EG							
		1 34,5	M	EG, NG							
289	9	17 47 31.0	52.5 S	027.5 O	.000	105.85	199.70			BCIS	
		18 47,0	LM	VG, EG							
290	9	22 42 54.0	41.0 N	021.0 E	.000	14.62	122.22			BCIS	
		22 46 22	P	EG		14.3					
		22 46 34	PP	EG							
		22 46 43	PPP	VG							
		22 49 07	/S/	EG							
		22 51,0	M	EG							
291	10	00 05 38.0	01.0 N	098.5 E	.020	91.69	86.37	6.5		USCGS	
		18 33	IR	VS, VG		91.7					
		18 53	I	VS, VG							
		19 24	I	EG							
		22 13	PP	VG							
		24 16	PPP	VG, EG							
		29 05	SKS	EG							
		29 17	SKKS	EG							
		29 32	IS	NG							
		30 47	PS	VG, EG							
		31 18	PPS	NG							
		35 44	SS	EG							

	49,0	L	EG,NG
1	05,0	M	EG
1	08,0	M	NG

292	11	11 55	10.0	16.0 S	172.0 0	.000	145.86	354.16	6.0	USCGS
		12 14	52	IPKP	VS,VG		146.0			
		12 14	56	IPKP2	VS					
		12 15	18	I	VS					
		12 18	14	IPP	VG,EG					
		12 18	26	PKS	VG					
		12 21	58	SKS	VG					

293	12	00 46	50.0	46.3 N	005.7 E	.000	3.87	168.58		BCIS
		48 05		IPG	VS,NS		3.75			
		48 06,5		E	VS					
		48 08		I	VG					
		48 35,5		SN	VS					
		48 45		S*	VS					
		48 54		ISG	VS					

294	13	07 55	58.0	54.0 S	001.0 E	.000	103.86	182.18	6.2	USCGS
		8 16	23	PPP	VS		103.6			
		8 16	56	E	VG					
		8 20	36	SKS	VG					
		8 21	07	SKKS	EG					
		8 21	30	ISK2	VG					
		8 23	16	PS	VG					
		8 28	55	SS	VG					
		8 44,0		L	VG,NG					
		8 52,0		LM	VG,EG					

295	13	10 20	31.0	40.4 N	023.6 E	.000	16.47	118.81	4.5	BCIS
		10 24	30	P	VS,VG		16.5			
		10 24	41	PP	VG					
		10 25	39	E	EG					
		10 27	27	S	VG					
		10 27	45	SS	EG					
		10 29,5		LM	VG					
		10 31,5		M	VG,EG					

DOORBES 1960

- 51 -

JUILLET

296	13	13 01	00.0	40.6 N	023.4 E	.000	16.22	118.65	5.5	BCIS
		13 04	49	P	VS, VG		16.0			
		13 04	58	E	VS					
		13 05	02	PP	NG					
		13 05	11	PPP	EG					
		13 07	47	S	EG					
		13 08	07	SS	EG					
		13 09,0		M	NG					
297	13	20 27	46.0	34.0 N	139.0 E	.000	86.96	36.42	5.6	USCGS
		21 16,0		LM	EG, NG					
298	14	02 07	21.0	25.0 N	124.5 E	.026	88.17	51.86		USCGS
		2 56,0		LM	NG					
299	14	04 17	51.0	46.6 N	012.8 E	.000	6.48	119.51		BCIS
		4 19	28	PN	VS		6.4			
		4 19	43	P*	ES					
		4 19	59	PG	NS, VG					
		4 20	43	SN	VS, NS					
		4 21	03	S*	VG, NG					
		4 21	09	F	VG					
		4 21	23	SG	ES, EG					
300	14	10 27	07.0	05.0 N	127.5 E	.010	106.31	60.64	5.7	BCIS
		10 45	43	PP	VS, VG		106.0			
		10 51	55	SKS1	NG					
		10 52	32	SKS2	VG					
		10 52	39	SKKS	EG					
		10 54	51	PS	VG					
		10 55	58	PPS	EG					
		11 21,0		L	EG, NG					
		11 27,0		LM	NG					
301	14	10 45	02.0	23.5 S	180.0 E	.089	153.20	9.38		USCGS
		11 08	21	E	VS					

DOORBES 1960

- 52 -

JUILLET

302	14	18 39	34.0	07.0 N	038.5 E	.000	51.45	134.96	6.3	USCGS
		19 05,0		L	EG,NG					
		19 10,0		LM	EG					
303	14	22 11	06.0	36.5 N	070.0 E	.010	47.94	80.31	4.5	USCGS
		22 34,0		LM	NG					
304	15	05 02	09.0	12.0 S	045.0 E	.004	71.26	137.98		USCGS
		5 13 29		P	VG,EG					
		5 13 42		E	VS					
		5 47,0		L	EG,NG					
305	15	23 43	34.0	55.0 N	035.0 O	.000	24.29	296.99		BCIS
		23 57,0		LM	VG,EG					
306	16	21 19	37.0	65.5 N	167.5 O	.000	64.50	356.36		USCGS
		21 30 17		P	VS,VG					
307	17	05 14	56.0	36.0 N	069.0 E	.030	47.61	81.52	6.0	USCGS
		5 23 22		P	VG					
		5 23 49		F	VG					
		5 40,0		LM	NG					
		5 48,0		M	NG					
308	17	19 42	38.0	10.0 S	013.0 O	.000	61.84	199.72		USCGS
		19 53 00		P	VS					
		19 55 16		PP	VG					
		20 17,0		LM	VG,EG					
309	18	01 43	29.0	04.5 S	151.0 E	.030	126.41	43.27	6.5	USCGS
		2 02 21		IPKP	VS					

		2 02 52	E	VS						
		2 04 08	/PP/	EG						
		2 49,0	LM	NG						
		3 00,0	M	EG						
310	18	07 46 53.0	17.0 S	174.5 O	.000	146.96	358.41			USCGS
		8 06 13	E	VS						
311	18	18 50 32.0	07.0 S	051.5 E	.000	69.88	129.50			USCGS
		19 01 50	P	VS,EG						
		19 02 09	E	VS						
312	19	02 42 30.0	01.0 N	087.5 O	.000	90.52	272.24			USCGS
		2 59 54	E	VS						
313	20	09 18 54.0	38.4 N	022.2 E	.000	17.13	126.33			BCIS
		9 28,0	LM	EG						
314	20	09 30 38.0	49.0 N	157.5 E	.000	78.48	17.80	6.0		USCGS
		9 42 44	P	VS,NS		78.7				
		9 42 51	PCP	VS,NS						
		9 43 01	I	VS,NS						
		9 45 45	PP	EG,NG						
		9 52 42	S	EG,NG						
		9 52 57	SKS	EG						
		9 53 24	PS	EG						
		9 53 42	PPS	EG						
		10 13,0	L	NG						
		10 18,0	LM	EG,NG						
315	20	20 59 25.0	20.5 S	169.0 E	.030	147.94	28.34	6.2		USCGS
		21 18 54	PKP	VS		148.0				
		21 18 55	IPKP	VS,ES						
		21 18 56	I	ES,NS						
		21 19 38	I	NS						

DOORBES 1960

- 54 -

JUILLET

		21	19	45		I*PPKP	VS,NS								
		21	22	15		PP	VS								
		22	08,0			L	EG,NG								
		22	24,0			LM	EG								
		22	28,0			M	NG								
316	20	21	38	23.0	38.0 S			073.5 0	.000	111.36	236.06	5.7		USCGS	
		22	44,0		M			EG,NG							
317	21	00	11	04.0	20.5 S			169.0 E	.026	147.94	28.34			BCIS	
		30	32			PKP	VS								
		30	41			E	VS								
318	24	09	48	56.0	56.0 N			164.0 E	.000	72.80	11.92	5.8		USCGS	
		10	00	29		P	VS			72.7					
		10	00	44		PCP	VS								
		10	03	13		PP	NG								
		10	09	54		S	EG								
		10	10	23		PS	NG								
		10	10	39		PPS	NG								
		10	14	44		SS	NG								
		10	20,0			L	EG								
		10	32,0			M	EG,NG								
		10	35,0			M	EG,NG								
319	25	03	41	05.0	55.0 N			163.0 E	.000	73.63	12.74	6.5		USCGS	
		3	52	40		P	VS,NS			73.2					
		3	52	56		PCP	NG								
		3	55	18		/PP/	EG								
		4	02	06		IS	EG,NG								
		4	02	37		PS	EG,NG								
		4	02	53		PPS	EG								
		4	06	49		ISS	EG								
		4	11,0			L	NG								
		4	17,0			M	EG								
		4	23,0			M	EG,NG								
320	25	11	12	00.0	54.0 N			159.0 E	.010	73.97	15.36	7.0		USCGS	
		11	23	31		P	VS,NG		.010	74.2					

		11 23 33	IP	VS, VG						
		11 23 58	I*PP	VG, EG						
		11 24 07	I*SP	VS, EG						
		11 26 19	IPP	VG, EG						
		11 26 41	I*PPP	VG, EG						
		11 27 59	IPPP	VG						
		11 28 25	I*PPPP	EG						
		11 32 53	IS	EG						
		11 33 34	F	VG						
		11 33 41	*SS	VG						
321	25	15 30 24.0	53.5 N	159.0 E	.000	74.45	15.51			USCGS
		15 42 06	P	VS						
322	25	21 11 36.0	32.0 N	056.5 E	.000	42.13	95.25			USCGS
		21 19 42	IP	VS						
		21 39,0	LM	EG						
323	25	21 36 46.0	03.0 S	148.0 E	.000	123.72	45.71			USCGS
		22 46,0	LM	NG						
324	26	03 55 54.0	40.5 N	144.5 E	.000	83.06	29.61	5.0		USCGS
		4 40,0	LM	EG, NG						
325	26	12 36 19.0	40.5 N	037.0 E	.000	24.53	100.53	4.5		BCIS
		12 41 41	IP	VS, ES		24.5				
		12 41 46	I	VS, ES						
		12 42 25	PP	VS						
		12 46 27	/S/	NG						
		12 52,0	M	EG, NG						
326	27	10 05 07.0	44.5 S	076.0 O	.020	117.33	232.58	6.5		USCGS
		10 24 50	PP	VS, NG	.000	117.0				
		10 25 14	E	EG						
		10 27 18	PPP	EG						

10 30 24	SKS1	NG
10 30 46	SKS2	NG
10 31 42	SKKS	NG
10 31 54	SKKKS	EG
10 34 32	PS	NG
10 35 46	PPS	NG
10 41,2	SS	NG
10 55,0	L	EG,NG
11 10,0	M	EG

327	28	01 18	51.0	21.0 S	178.0 E	.000	150.48	12.57		BCIS
		1 38	45	PKP	VS					
		1 38	55	PKP2	VS					
328	29	00 24	06.0	19.5 S	170.5 E	.000	147.44	25.26	6.2	USCGS
		43 57		IPKP2	VS,NS		147.0			
		47 25		PKS	NG					
		57 58		PS	EG					
		1 29,0		L	EG					
		1 50,0		M	EG					
329	29	10 04	23.0	07.5 N	072.0 O	.000	75.63	264.52		USCGS
		10 54,0		LM	VS					
		11 20,0		LM	NG					
330	29	14 33	40.0	32.0 N	067.5 E	.000	49.19	86.70	5.3	USCGS
		14 42 38		P	VS					
		15 00,0		L	EG,NG					
		15 07,0		M	EG,NG					
331	29	17 31	45.0	40.0 N	142.5 E	.010	82.86	31.22	6.8	USCGS
		17 44 01		P	VS,NS	.015	83.0			
		17 44 03		IP	VS,NS					
		17 44 08		PCP	VS,EG					
		17 44 15		I*PP	VS,NS					
		17 44 19		I*SP	VS,NS					
		17 44 22		I	VS					
		17 47 12		IPP	VS					

DOORBES 1960

- 57 -

JUILLET

		17 49 09	E	EG							
		17 54 17	IS	EG,NG							
		17 54 37	I*SS	NS							
332	30	02 04 48.0	01.5 S	079.0 O	.000	86.97	264.13				USCGS
		2 17 41	P	VS							
333	30	14 12 34.0	56.0 N	164.0 E	.000	72.80	11.92	5.5			USCGS
		14 50.0	LM	EG,NG							
334	31	02 55 51.0	06.0 S	150.0 E	.010	127.28	45.23	7.0			USCGS
		3 14 51	PKP	VS		128.0					
		3 15 02	I	VS,NG							
		3 16 52	PP	NG							
		3 18 17	IPKS	EG							
		3 20 37	PPP	NG							
		3 21 59	ISKS2	EG							
		3 26 39	IPS	EG							
		3 28 23	PPS	NG							
		4 08.0	L	NG							
		4 17.0	M	EG,NG							
335	31	14 54 59.0	43.5 S	075.0 O	.000	116.12	232.81	5.8			USCGS
		15 14 55	IPP	VS,EG		117.4					
		15 15 07	F	EG							
		15 15 16	*PPP	EG							
		15 17 28	PPP	EG							
		15 20 23	SKS1	EG							
		15 20 39	SKS2	EG							
		15 24 33	PS	FG,NG							
		15 50.0	L	EG,NG							
		15 57.0	LM	EG							
		16 01.0	M	NG							
336	31	22 26 49.0	28.0 N	055.0 E	.000	43.88	100.85	5.0			USCGS
		22 52.0	LM	EG,NG							

DOORBES 1960

- 58 -

JUILLET - AOUT

337	1	02 20	54.0	28.0 N	054.3 E	.005	43.44	101.47	6.7	USCGS
		2 28 48		P	NS	.006	44.7			
		2 29 06		*PP	FS,NS					
		2 29 21		S	ES,NG					
		2 35 30		SP	EG,NG					
338	1	20 12	27.3	38.0 S	073.9 O	-.002	111.57	236.31		USCGS
		21 18.0		LM	EG,NG					
339	2	05 07	24.5	22.2 S	171.4 E	.012	150.25	25.23	6.2	USCGS
		5 26 59		PKP1	ES	.010	151.0			
		5 27 05		I	VS					
		5 27 11		PKP2	VS					
		5 27 26		*PPKP	VS					
		5 34 06		SKS	EG					
340	2	09 30	36.5	28.5 N	177.0 O	.015	101.66	1.43	5.7	USCGS
		9 50 48		F	NS					
		9 50 56		PKP2	VS,ES					
341	2	20 51	01.9	84.5 N	002.0 E	.000	34.53	359.56		USCGS
		20 57 56		P	NG		34.5			
		21 02 53		E	EG					
		21 03 07		S	NG					
		21 03 24		F	ES					
342	4	07 34	48.5	51.2 N	179.0 E	.000	78.88	3.58	6.1	USCGS
		7 46 53		IP	VS,NS		78.8			
		7 47 07		*PP	VS,ES					
		7 47 13		*SP	ES					
		7 56 49		IS	ES,EG					
343	5	05 21	12.0	43.0 N	000.3 O	.000	7.85	207.22		BCIS
		5 25 11		S*	ES		7.8			

DOORBES 1960

		5 25 22	SSS	VS						
		5 25 31	SG	VS						
		5 25 41	E	VS						
		5 30 51	F	EG						
344	8	05 45 32.0	46.6 N	011.1 E	.000	5.56	126.45			BCIS
		5 48 46	E	VS						
		5 49 01	E	NS						
345	8	12 28 08.5	12.1 N	044.6 E	.000	50.06	124.96	5.2		USCGS
		12 37 06	P	VS		51.0				
		12 43 22	S	EG						
346	8	15 34 26.4	02.1 S	012.6 O	.000	54.10	201.37	5.1		USCGS
		15 43 50	P	VS						
		15 43 56	F	NS,VG						
347	8	20 36 19.0	35.6 N	027.7 E	.000	22.15	122.08	4.2		USCGS
		20 41 14	P	VS,ES	.00J	22.0				
		20 41 27	*PP	VS						
		20 45 10	S	EG						
348	9	06 10 04.6	21.5 N	071.7 E	.000	59.14	92.84			USCGS
		6 23 36	P	VS						
349	9	06 21 52.1	56.2 N	164.3 E	.000	72.65	11.70	5.5		USCGS
		6 33 27	P	VS,VG						
350	9	07 39 19.0	40.4 N	126.8 O	.000	80.19	324.50	6.3		USCGS
		7 51 37	P	VS		81.0				
		7 51 47	PCP	ES						
		7 51 51	E	NS						

DOURBES 1960

- 60 -

AOUT

		7 54	46		PP	VG,EG						
		8 01	46		S	VG,EG						
		8 01	53		SKS	EG						
		8 02	29		/PS/	VG						
351	9	16 46	33.5	24.6	S	177.3	0	.015	154.49	4.00	6.5	USCGS
		17 06	17		PKP	VS,VG			154.0			
		17 06	44		PKP2	VS,VG						
		17 06	48		*PPKP	VG,EG						
		17 10	20		PP	VS,VG						
		17 13	10		SKS	VG						
352	9	23 36	50.3	11.6	S	166.1	E	.000	138.66	28.06	5.7	USCGS
		23 59	01		PP	VG						
353	10	10 25	01.6	09.5	S	119.0	E	.016	112.75	77.05		USCGS
		10 43	18		PKP	VS,VG						
354	11	04 50	33.0	09.0	N	126.3	E	.005	102.36	59.35	6.0	USCGS
		5 04	24		P	VS						
355	12	13 12	34.1	36.3	N	141.3	E	.005	85.76	33.70		USCGS
		13 25	10		P	VS,NG						
		13 25	21		/PCP/	VS						
356	13	07 11	05.9	40.4	N	142.4	E	.005	82.46	31.11	6.0	USCGS
		7 23	25		IP	VS,ES			82.0			
		7 23	38		PCP	VS,ES						
		7 23	42		*PP	VS,NS						
		7 23	49		SP	EG,NG						
		7 26	39		PP	NG						
		7 33	43		/S/	EG						
		7 34	07		SCS	EG						
		7 34	22		E	NG						

357	13	14 14	56.6	40.4 S	074.9 O	.005	113.85	235.14	6.7	USCGS
		14 29	39	P	VG		114.1			
		14 33	32	PKP	VS, VG					
		14 33	48	*PPKP	VS					
		14 34	20	PP	VG, EG					
		14 36	46	/PPP/	VS					
		14 40	20	ISK5	VG, EG					
		14 43	53	PS	VG					
358	14	04 00	56.0	45.9 N	151.0 E	.005	79.94	23.07		USCGS
		4 13	01	P	VS, ES					
		4 13	15	PCP	VS					
359	14	22 37	11.4	36.0 N	069.4 E	.003	47.87	81.25		USCGS
		22 45	47	P	VS, ES					
360	15	06 58	56.4	13.5 S	065.8 E	-.003	82.86	120.82		USCGS
		7 11	27	P	VS, VG					
		7 21	55	/S/	EG					
361	15	14 33	38.4	13.4 S	066.7 E	-.002	83.28	120.04		USCGS
		14 46	05	P	VS					
		14 46	11	PCP	VG					
		14 50	06	E	VG					
362	16	02 47	17.7	16.6 S	071.4 O	.012	93.87	248.80		USCGS
		3 00	25	P	VS, ES					
363	16	10 31	01.0	03.4 S	068.6 E	.001	76.29	112.58		USCGS
		10 42	50	P	VS, ES					
364	17	09 33	47.0	19.9 S	011.8 O	.005	71.25	196.27		USCGS

DOURBES 1960

- 62 -

AOUT

		9	45	18	P	NS, VG						
365	17	11	24	04.7	19.5 S	011.5 O	.000	70.81	196.06	5.5		USCGS
		11	35	25	P	VS	.00K	71.5				
		11	35	37	*PP	VG						
		11	35	43	E	EG						
		11	36	05	PS	VG, EG						
366	17	15	28	07.0	49.7 N	007.2 E	.000	1.73	102.26			BCIS
		15	28	37	PN	VS, ES		1.7				
		15	28	39	P*	NS						
		15	28	42	PG	VS, ES						
		15	28	44	I	VS						
		15	28	46	I	VS, NS						
		15	28	59.5	ISN	VS, NS						
		15	29	00.5	IS*	VS, NS						
		15	29	02.5	ISG	NS						
367	18	20	47	06.2	44.2 N	147.8 E	.006	80.67	25.85			USCGS
		18	59	15	P	VS, NG						
368	19	12	41	48.1	27.1 N	140.2 E	.062	93.55	38.64			USCGS
		12	54	18	P	VS, VG						
369	19	17	03	46.6	54.1 N	160.5 O	.006	75.33	351.01			USCGS
		17	15	18	P	VS						
370	20	20	08	41.2	35.7 S	015.4 O	.000	87.32	196.16	6.0		USCGS
		20	21	31	P	VS, ES	.002	87.5				
		20	21	47	*PP	VG						
		20	32.5		S	VG, EG						
		20	32	29	E	NG						
371	22	03	33	00.0	34.5 N	026.2 E	.000	22.19	126.45			BCIS

DOORBES 1960

- 63 -

▲OUT

				3 38 07	/P/	VS,ES					
372	23	08 58	11.2	29.1 N	059.8 E	.005	46.17	95.60			USCGS
		9 06 39		IP	VS,ES		46.0				
		9 06 42		I	VS,NS						
		9 13,5		S	EG,NG						
373	23	14 08	15.5	00.9 N	025.9 O	.000	55.49	217.98	5.5		USCGS
		14 17 56		P	VS						
		14 25 55		E	VG,EG						
374	23	22 44	51.5	14.6 S	176.4 O	.005	144.57	1.66	6.0		USCGS
		23 04 31		PKP	VS						
		23 04 37		E	VS,EG						
		23 04 51		E	VG						
375	24	01 44	12.5	56.2 N	164.1 E	.002	72.62	11.81	6.2		USCGS
		1 55 51		P	VS,VG						
		1 56 23		E	VG						
		1 56 32		E	VG						
		2 04 38		E	EG						
		2 05 04		S	NG						
376	24	05 49	01.1	19.1 S	174.1 O	.002	149.04	357.60			USCGS
		6 08 52		PKP2	VS,NS						
		6 08 59		E	VG						
377	24	19 27	50.3	25.0 N	095.0 E	.008	71.41	73.08			USCGS
		19 39 06		P	VS						
378	25	17 41	56.8	52.5 N	169.2 O	.000	77.55	356.13	5.5		USCGS
		17 53 55		P	VS,VG		77.5				

DOORBES 1960

- 64 -

AOUT

18 03 41 S VG
 18 04 04 SKS EG
 18 04 18 PS EG

379 25 23 02 18.0 38.3 S 074.1 0 .000 111.90 236.21 USCGS
 23 31 21 PS EG

380 26 00 14 05.8 38.0 S 074.3 0 .000 111.78 236.56 USCGS
 43 01 PS EG

381 26 18 27 19.6 13.5 S 165.7 F .005 140.32 29.56 5.5 USCGS
 18 46 45 PKP VS
 18 48 39 E VG
 18 49 41 PP NG

382 27 10 17 16.4 34.4 N 026.2 E .000 22.26 126.61 USCGS
 10 22 14 P VS,VG .000 22.1
 10 22 21 *PP VS,EG
 10 22 26 E VG,EG
 10 22 45,5 PP VS
 10 25 10 E VG
 10 25 46 E EG
 10 26 14 S NG

383 27 18 16 10.0 49.5 N 154.5 E .030 77.39 19.54 USCGS
 18 27 48 P VS,ES
 18 27 49,5 I VS
 18 31 25 E NG

384 28 06 05 17.4 04.2 N 082.5 0 .000 84.87 270.47 USCGS
 6 17 56 P VS 85.0
 6 18 03 PCP EG
 6 18 44 E EG
 6 28 09 SKS EG
 6 28 28 S FG

DOURBES 1960

- 65 -

AOUT - SEPTEMBRE

385	29	18 00	40.5	35.3 N	026.8 E	.006	21.89	124.08		USCGS
		18 05	30	P	VS		22.0			
		18 05	35	E	VS					
		18 06	00	PP	EG					
		18 09	37	S	VG,EG					
		18 10	03	E	EG					
		18 10	11	SS	VG					
386	1	07 35	21.9	27.6 S	176.9 0	.073	157.50	3.46		USCGS
		7 54	32	/PKP/	VG					
387	1	09 28	19.5	16.8 S	167.0 E	.005	143.84	29.38	6.0	USCGS
		9 47	56	PKP	VS					
		9 49	28	E	VG					
		9 50	19	E	VG					
		9 51	34	E	EG					
388	1	10 35	01.1	16.5 S	167.6 E	-.001	143.75	28.30		USCGS
		10 54	38	PKP	VS	.00J	145.0			
		10 54	47	*PPKP	VG					
		10 58	02	PP	VG					
389	1	11 14	59.6	16.6 S	167.4 E	.000	143.78	28.66		USCGS
		11 34	30	PKP	VS					
390	1	15 37	14.4	56.1 N	153.7 0	.000	72.55	347.48	6.0	USCGS
		15 48	45	P	VS,NS		72.0			
		15 48	46,5	I	VS					
		15 48	54	PCP	EG					
		15 51	23	PP	NG					
		15 52	08	E	VS,VG					
		15 58	06	S	EG					
		15 58	13	E	NG					
		15 58	25	E	EG					
		15 58	51	/PPS/	VG					

DOURBES 1960

- 66 -

SEPTEMBRE

391	1	18 41	16.2	15.8 S	179.2 E	.000	145.49	9.18		USCGS
		19 00 56		IPKP	VS,NS					
392	1	20 02	12.8	16.1 N	179.0 O	.020	113.95	3.78		USCGS
		20 21 41		PP	VS,VG					
		20 21 50		E	VG,NG					
		20 22 02		E	NG					
393	2	10 52	18.2	15.2 S	167.4 E	.020	142.46	27.92		USCGS
		11 11 39		PKP	VS					
394	2	13 46	10.0	28.7 N	098.3 E	.002	70.71	68.15		USCGS
		13 57 24		P	VS,ES	.002	70.7			
		13 57 37		*PP	VS,ES					
		14 06 42		S	NG					
395	2	22 02	48.9	52.0 N	171.4 O	.002	78.13	357.48	5.7	USCGS
		22 14 48		P	VS,NS					
		22 24 28		E	NG					
		22 24 38		S	NG					
		22 24 49		E	EG					
396	2	05 41	39.9	20.9 S	174.4 O	.005	150.84	358.07		USCGS
		6 01 41		PKP2	VS					
397	3	12 41	34.9	06.1 S	154.5 E	.070	129.35	40.15	6.5	USCGS
		12 59 59		I/PKP/	VS,ES					
		13 02 05		E	VS					
		13 02 20		E	VG					
		13 02 45		/PP/	VS					
		13 03 22		E	EG					
		13 05 50		E	EG					

		13	05	59	E	VG					
398	3	15	17	28.4	20.1 S	178.6 O	.002	149.94	6.00		USCGS
		15	36	15	PKP2	VS					
399	3	23	46	23.9	44.6 N	149.1 E	.000	80.65	24.82	6.2	USCGS
		23	58	40	IP	NS,EG		80.0			
		24	00	23	E	VG					
		24	08	48	S	EG					
		24	08	56	ISKS	EG					
		24	09	04	I	VG,EG					
400	6	14	03	01.8	20.4 S	169.4 E	.000	147.97	27.61	6.2	USCGS
		14	22	43	IPKP	VG,EG					
401	7	01	17	39.1	37.2 S	016.1 O	.000	88.91	196.37		USCGS
		1	30	34	P	VG					
		1	41	24	S	EG					
402	8	14	32	00.3	52.5 N	158.8 E	.000	75.38	15.93	5.6	USCGS
		14	43	45	P	VG					
403	9	16	19	15.9	71.5 N	002.4 O	.000	21.70	353.98	4.0	USCGS
		16	24	19	PP	VG					
		16	27	50	S	EG					
404	10	00	19	08.4	34.4 N	026.4 E	.000	22.37	126.27		USCGS
		24	09		P	VG,EG		22.3			
		24	13		E	VG					
		24	37		PP	VG					
		24	43		PPP	EG					
		28	13		S	EG					

		28	27		F		EG						
405	10	09 55	42.0	39.0	N	037.0	O	.000	31.22	269.34			BCIS
		10 02	45		PP		EG						
		10 07	02		S		EG						
406	10	10 44	51.2	04.0	N	122.6	E	.093	104.31	65.38			USCGS
		10 57	57		P		VG		105.0				
		11 02	27		PP		VG,EG						
		11 02	34		E		VG,EG						
		11 07	40		SKS		FG						
		11 09	08		S		EG						
		11 11	39		E		VG,EG						
407	12	12 17	08.1	27.3	N	128.4	E	.002	88.17	47.67	6.5		USCGS
		12 29	59		P		VG						
		12 40	43		S		EG						
408	13	03 09	09.7	27.0	N	140.2	E	.064	93.64	38.68			BCIS
		3 21	42		P		VG						
409	13	17 51	10.8	13.8	N	090.3	O	.014	82.57	282.60			BCIS
		18 03	07		P		VG						
410	14	16 24	12.8	17.6	S	178.9	O	.083	147.44	6.20			USCGS
		16 42	34		PKP		VG						
411	14	23 18	35.1	20.9	S	174.1	O	.000	150.83	357.50	5.2		USCGS
		23 38	32		PKP2		VG						
		23 38	41		E		VG						
		23 38	54		E		VG						

412	17	08 05	29.5	49.6 N	155.2 E	.000	77.44	19.07	6.2	USCGS
		8 17	28	P	VG					
		8 27	16	S	EG					
413	18	19 26	30.9	51.5 S	170.1 O	.009	176.25	245.27		USCGS
		19 38	32	P	EG					
414	19	19 01	25.4	06.9 N	077.5 O	.006	79.61	268.39	6.0	USCGS
		19 13	39	P	EG					
		19 16	08	E	EG					
		19 19	58	E	EG					
		19 23	37	E	EG					
		19 23	43	S	EG					
		19 23	56	I	EG					
415	20	03 05	05.8	37.3 S	176.7 E	.031	165.98	26.89		BCIS
		3 26	47	E	EG					
416	21	16 08	14.7	26.7 N	124.8 E	.027	86.92	50.69		USCGS
		16 21	39	E	EG					
417	22	05 38	14.4	03.4 S	029.1 E	.000	57.36	150.57	5.5	USCGS
		5 48	04	P	VG					
		5 50	12	PP	NG					
		5 55	59	S	NG					
418	22	09 05	36.8	03.3 S	029.3 E	.000	57.33	150.30	6.5	USCGS
		9 15	24	P	VG	.00J	57.1			
		9 15	29	I*PP	VG					
		9 16	20	PCP	NG					
		9 17	31	PP	NG					
		9 18	48	PPP	VG,NG					
		9 23	15	S	VG					
		9 23	26	PS	NG					

419	22	09 14	58.0	02.8 S	029.8 E	.000	57.02	149.55	6.2	USCGS
		9 24 46		IP	VG,NG		57.5			
		9 25 47		PCP	VG					
		9 26 52		PP	VG					
		9 32 33		S	NG					
		9 32 47		PS	VG					
420	22	22 47	00.6	51.7 N	168.8 O	.000	78.33	355.81		USCGS
		22 59 03		P	VS					
421	23	23 02	24.3	22.7 S	174.8 O	.000	152.64	358.78	6.0	USCGS
		23 22 22.5		PKP	VS					
422	25	15 39	27.4	17.4 S	173.4 O	.016	147.32	356.45		USCGS
		15 59 03		PKP1	VS,NS					
		15 59 16		PKP2	VS					
		15 59 27		E	VS					
		16 00 39		E	NS					
423	29	06 27	56.3	17.4 S	068.5 O	.013	92.77	246.12		USCGS
		6 41 04		P	VS					
		6 41 05		I	VS					
		6 41 40		/SP/	VS					
		6 51 31		/SKS/	EG					
		6 52 34		E	EG					
424	29	11 18	52.9	19.0 N	144.7 E	.068	102.62	38.43		BCIS
		11 32 08		P	NG					
		11 36 21		PP	ES					
		11 36 49		I*SP	VG					
425	30	02 20	46.2	27.0 N	127.7 E	.008	88.09	48.36		USCGS
		2 33 39		P	VS,VG					

DOORBES 1960

- 71 -

OCTOBRE

426	1	05 30	38.1	35.4 N	026.2 E	.000	21.49	124.91		USCGS
		5 35 25		IP	VS,ES		21.5			
		5 35 46		I	VS					
		5 35 52		PP	VS					
		5 35 59		I	VS					
		5 36 08		LM	EG					
427	1	16 10	56.9	52.2 N	172.6 O	.001	77.96	358.24	6.0	USCGS
		16 22 58		IP	VG,EG		78.7			
		16 23 07		IPCP	VG,NG					
		16 26 00		PP	VG,EG					
		16 32 51		S	NG					
		16 33 06		ISKS	NG					
		16 33 36		PS	NG					
		16 41,9		LM	VG					
		16 59,0		M	EG					
		17 02,9		M	VG					
		17 06,9		M	VG,EG					
428	2	11 53	44.1	38.7 S	091.5 O	.008	121.97	246.52		USCGS
		12 55,9		LM	EG					
		13 00,9		M	VG					
429	3	00 49	11.8	29.8 N	068.2 E	.000	51.10	88.32		USCGS
		1 23 00		LM	EG					
430	3	05 10	37.3	38.7 S	075.3 O	.002	112.83	236.66		USCGS
		6 08 00		LM	VG,NG					
431	3	19 50	48.8	05.7 S	103.0 E	.003	99.67	87.22	5.2	USCGS
		20 52 00		L	VG,EG					
432	4	06 15	42.0	46.0 N	008.0 E	.000	4.69	149.62		BCIS

		6 18 06	S*	ES,NS	4.7					
		6 18 11	E	NG						
		6 18 19	ISG	ES						
433	4	09 51 16.1	07.5 S	155.3 E	.016	130.94	39.97			USCGS
		10 57 00	LM	EG						
434	6	16 19 15.4	52.2 N	107.2 E	.002	58.82	44.50	5.0		USCGS
		16 50 00	LM	EG						
		16 57,0	M	VG,NG						
435	6	19 55 42.2	58.2 N	031.6 W	.005	22.42	305.10			USCGS
		20 00 41	IP	ES,NS	.004	22.7				
		20 00 46	I	ES						
		20 01 11	IPP	EG						
		20 01 24	IPPP	EG						
		20 04 41	S	NG						
		20 04 49	E	EG						
		20 05 04	I	VG						
		20 06,0	L	EG,NG						
		20 07,0	M	VG,EG						
436	7	03 15 34.9	58.1 N	031.9 O	.006	22.57	304.80	4.5		USCGS
		3 20 34	P	ES	.005	23.2				
		3 20 57	*SP	VG						
		3 21 05	E	EG						
		3 23 43	S	VG,EG						
		3 24 09	I	NG						
		3 26,0	LM	EG,NG						
		3 28,C	M	EG,NG						
437	7	15 18 30.8	07.4 S	130.7 E	.002	118.23	65.50	6.6		USCGS
		15 37 19	PKP	VS,VG	.002	118.5				
		15 37 36	I	VS,NS						
		15 37 59	E	VG						
		15 38 41	PP	VS,ES						
		15 44 05	SKS	VG						
		15 44 30	SKS2	EG						

DOORBES 1960

- 73 -

OCTOBRE

		15 48 17	PS	VG,EG							
		15 49 35	PPS	VG,EG							
		16 22,0	M	VG							
		16 28,5	M	VG							
438	7	20 01 32.6	20.4 S		113.7 0	.027	123.40	278.07	5.2		USCGS
		21 00,0	LM	EG,NG							
439	8	01 51 51.2	16.7 N		097.9 0	.006	85.04	290.13			USCGS
		2 39,5	LM	VG,EG							
440	8	05 53 01.1	40.0 N		129.7 E	.090	78.06	39.91	6.5		USCGS
		6 04 04	IP	VS,NS		.009	78.5				
		6 04 07	I	VS,VG							
		6 04 11	IPCP	EG							
		6 04 21	I	VS,VG							
		6 06 08	*PP	VG,NG							
		6 06 18	I	VS							
		6 07 08	*SP	VG,EG							
		6 07 12	IPP	VG							
		6 13 06	E	NS							
		6 13 07	S	EG,NG							
		6 13 10	I	NG							
		6 13 56	SP	NS							
		6 16 54	E	VG							
		6 18 29	SS	VG							
		6 41,0	M	VG							
441	8	20 40 06.6	07.9 N		092.9 E	.008	82.85	86.21	5.2		USCGS
		20 52 29	P	VS							
		21 30,0	LM	VG,EG							
442	9	09 00 42.0	40.8 N		141.2 E	.019	81.70	31.76	6.2		USCGS
		9 12 49	P	VS,VG		.014	81.5				
		9 12 56	I	NG							
		9 13 18	*PP	NG							
		9 13 29	E	VS							
		9 13 34	*SP	NS,NG							

9 14 16	I	VG
9 16 02	IPP	VG,NG
9 16 34	E	VG
9 22 49	IS	VG,EG
9 23 44	*SS	VG
9 45,0	M	NG
9 50,0	M	VG,NG

443	9	09 51	19.1	15.1 S	174.0 0	.015	145.05	357.63		USCGS
		10 10 49		IPKP	VS,ES					
		10 10 58		E	VS					

444	13	02 21	12.7	45.2 N	025.8 E	.005	15.07	100.81		USCGS
		2 24 55		/P/	VG,EG					
		2 25 02		/PPP/	ES,EG					

445	13	14 52	34.7	54.8 N	161.2 E	.000	73.56	13.84	6.5	USCGS
		15 04 11		IP	VG,EG	.000	73.2			
		15 04 19		*PP	ES					
		15 04 24		PCP	VG,NG					
		15 04 47		E	VG					
		15 06 56		PP	VG					
		15 13 39		S	EG					
		15 14 11		PS	VG					
		15 28,0		LM	VG,NG					
		15 34,0		M	NG					
		15 42,0		M	VG					

446	14	17 48	27.7	38.9 S	073.5 0	.000	112.02	235.40	5.2	USCGS
		18 46,0		L	EG					
		18 50,0		LM	VG,EG					

447	14	21 19	11.4	51.9 N	172.1 0	.003	78.25	357.91	6.5	USCGS
		21 31 13		P	VS,ES	.004	78.5			
		21 31 17		IPCP	VG					
		21 31 25		I*PP	VS,EG					
		21 31 31		E	VS					
		21 41 07		S	VG,NG					

BOURDES 1900

448	14	22 55	41.7	55.7 N	035.2 O	.001	24.35	298.71	5.0	USCGS
		23 00	59	P	VS,ES	.001	24.0			
		23 01	09	*PP	VS					
		23 01	35	PP	VS					
449	16	09 34	44.7	14.0 N	091.2 O	.016	82.98	283.40	5.0	USCGS
		10 19,0		LM	VG,EG					
450	17	17 45	36.9	04.9 N	078.4 O	.008	81.71	267.78		USCGS
		15 57	52	P	VS,ES	.007	82.7			
		15 58	03	E	VG					
		15 58	15	*PP	VS,ES					
		16 08	03	S	EG,NG					
		16 29,0		L	EG					
451	17	19 02	15.7	31.5 N	040.8 O	.000	38.32	258.46		USCGS
		19 09	41	P	VS,ES					
		19 10	03	E	VS					
		19 22,0		L	VG,EG					
452	17	22 15	32.0	14.7 N	092.8 O	.015	83.44	285.05	5.7	USCGS
		22 56,0		L	EG,NG					
		23 00,0		LM	VG,EG					
		23 04,0		M	EG,NG					
453	20	11 05	57.6	11.1 S	164.9 E	.000	137.81	29.50	6.0	USCGS
		11 25	25	PKP	VG		137.5			
		11 25	33	E	VS,VG					
		11 28	11	PP	VS					
		11 28	58	PKS	VG					
		11 32	35	SKS	EG					
		12 24,0		L	EG					
		12 28,0		LM	EG					
		12 31,0		M	EG					

DOUBRES 1960

- 76 -

OCTOBRE

454	22	08 22	00.9	10.4 S	161.2 E	.010	135.90	34.14	6.2	USCGS
		9 38.0		M	NG					
455	22	19 17	47.9	45.9 N	021.2 E	.000	11.87	104.34		USCGS
		19 20 40		P	VS					
		19 20 46		PP	ES					
		19 20 54		PPP	VS					
		19 24.0		LM	VS,ES					
456	24	17 09	14.4	06.1 S	150.0 E	.014	127.37	45.28	5.7	USCGS
		18 20.5		LM	EG,NG					
457	25	12 14	54.4	43.6 S	074.1 O	.010	115.73	232.21		USCGS
		13 19.0		LM	NG					
458	26	01 48	07.1	52.4 N	160.2 E	.006	75.71	15.11		USCGS
		2 32.0		LM	EG					
459	27	05 25	04.9	01.5 N	090.8 O	.000	92.26	275.10	4.7	USCGS
		6 09.0		LM	EG					
460	27	12 45	40.1	71.7 N	008.3 O	.006	22.44	349.38		USCGS
		13 01.0		LM	EG					
461	27	15 39	20.3	71.4 N	008.6 O	.001	22.20	348.85	4.5	USCGS
		15 44 16		P	VS					
		15 44 31		E	VS					
		15 48 29		SS	NG					
		15 52.0		L	EG					
		15 56.0		M	EG,NG					

DOORBES 1960

- 77 -

OCTOBRE

462	27	22 27	55.1	15.3 S	175.0 O	.035	145.27	359.31		USCGS
		22 47 08		IPKP	VS,ES	.035	145.3			
		22 47 20		E	EG					
		22 48 12		*PPKP	VS					
		22 48 15		E	NS					
		22 49 02		E	VS					
		22 50 21		PP	VS,ES					
463	28	04 18	41.9	71.4 N	008.6 O	.002	22.20	348.85	5.7	USCGS
		4 23 38		P	VS,NS		21.9			
		4 23 39		I	VS,NG					
		4 23 47		E	ES					
		4 23 59		IPP	NG					
		4 24 07		IPPP	EG					
		4 24 20		PPPP	ES					
		4 24 38		E	VS					
		4 27 19		I/PCP/	NG					
		4 27 28		I	EG					
		4 27 36		S	VS,NG					
		4 27 45		I	ES					
		4 36 07		L	EG					
		4 32,2		M	EG,NG					
464	28	05 27	16.1	71.6 N	007.7 W	.007	22.28	349.75		USCGS
		5 32 18		P	EG					
465	28	07 46	38.5	71.4 N	008.4 O	.005	22.17	349.00	4.2	USCGS
		7 51 32		P	EG		22.0			
		7 51 52		PP	VS,NG					
		7 55 43		S	NG					
		7 55 53		I	EG					
		7 59,2		L	EG,NG					
		8 02,9		M	EG					
466	28	13 18	14.3	52.2 N	157.4 E	.010	75.41	16.87	6.5	USCGS
		13 29 53		IP	VG	.010	75.9			
		13 30 06		IPCP	VS,NS					
		13 30 18		I*PP	VG					
		13 32 45		IPP	VS					
		13 35 03		*PPPP	EG					

13 39 26	IS	VG,EG
13 39 57	ISCS	EG,NG
13 40 04	SP	VG
13 40 11	*SS	VG
13 44 23	SS	EG
13 47 25	E	EG
13 47 43	F	VG
13 53,0	LM	EG
14 05,0	MR	EG,NG

467	28	22 29	26.6	34.6 N	141.1 E	.010	87.21	34.60	6.5	USCGS
		22 42 08		P	VS,VG					
		22 42 23		E	VS,VG					
		22 52 36		S	EG,NG					
		22 52 48		/SCS/	NG					
		22 52 56		I	EG					
		23 11,0		LR	NG					
		23 19,0		M	EG,NG					
		23 27,0		MR	VG					

468	29	00 08	39.0	44.0 N	011.3 E	.000	7.62	140.60		BCIS
		10 29		PN	VS		7.5			
		10 42		E	VS,ES					
		10 49		P*	NG					
		11 04		/PG/	VS					
		11 27		E	VS,EG					
		12 08		I/SN/	ES,EG					
		12 18		E	NG					
		12 28		IS*	NG					
		12 49		SG	ES					
		12 57		E	ES					
		13 07		E	EG					
		13 22		E	VG					
		14 26		I	VG,NG					

469	29	11 54	17.4	47.6 N	027.6 O	.000	21.21	275.71		USCGS
		11 59 05		P	VS,ES					

470	29	13 26	10.0	47.7 N	027.7 W	.000	21.24	276.03		BCIS
		13 30 59		IP	VS,ES		21.5			
		13 31 04		I	VG,EG					

		13 31 21	/PP/	VS,VG						
		13 35 03	S	EG						
		13 37,1	LM	EG						
471	30	08 32 39.1	47.7 N	028.7 0	.000	21.88	276.62			USCGS
		8 37 25	P	VS,ES		21.5				
		8 37 43	/PP/	VS						
		8 38 53	E	ES						
		8 41 33	/S/	EG						
		8 43,0	LM	VG,NG						
472	30	12 14 36.1	23.4 S	070.3 0	.007	98.50	243.71	6.7		USCGS
		12 28 15	P	VS,VG	.007	9.3				
		12 28 36	*PP	NS						
		12 28 47	*SP	VS,NS						
		12 32 22	/PP/	VS						
		12 38 41	/SKS/	NG						
		12 39 41	S	EG,NG						
		12 40 19	*SS	VG						
		12 41 10	/SP/	EG						
		13 03,0	LR	VG						
		13 16,0	MR	EG						
473	30	21 32 47.7	22.9 S	068.0 0	.004	96.79	242.36	6.0		USCGS
		21 46 20	P	VS	.005	98.0				
		21 46 38	*PP	VS,VG						
		21 46 44	*SP	VS,VG						
		21 50 14	PP	VG						
		21 56 49	SKS	VG,EG						
		21 57 30	S	VG,NG						
		22 04 16	SS	VG						
		22 23,0	L	VG,EG						
474	31	23 44 16.9	54.9 N	161.7 E	.000	73.54	13.53			USCGS
		23 55 51	P	VS,VG						
475	1	06 15 29.4	11.2 S	012.7 0	.000	62.95	199.10			USCGS
		6 25 58	P	VS,VG						

6 45,0				LM	EG					
476	1	08 45	59.3	38.5 S	075.1 O	.003	112.58	236.69	7.0	USCGS
		9 00	31	P	VS,EG		112.7			
		9 04	24	E	VS					
		9 05	08	E	VS,VG					
		9 05	19	IPP	VS,EG					
		9 05	34	E	VG					
		9 07	28	E	VS,VG					
		9 07	42	PPP	EG					
		9 11	02	SKS1	VG,EG					
		9 11	30	SKS2	EG					
		9 12	28	SKKKS	EG					
		9 12	58	I/PS/	EG					
		9 15	08	I	EG					
		9 15	32	E	EG					
		9 18	46	E	EG					
		9 20	44	/SS/	EG					
		9 25	11	SSS	EG					
		9 39,0		MQ	EG,NG					
		9 43,0		MR	VG,EG					
		9 47,0		M	VG,NG					
477	2	17 14	54.0	11.2 S	164.8 E	.007	137.87	29.69	6.7	USCGS
		17 34	17	PKP	VS,ES		137.0			
		17 37	02	PP	VS					
		17 41	26	SKS	VS					
		17 45	51	E	VS					
478	3	02 42	53.7	22.1 S	175.9 O	.000	152.04	.98		USCGS
		3 02	58	PKP2	VS					
479	5	20 20	53.7	39.4 N	020.5 E	.003	15.51	127.53	5.5	USCGS
		20 24	39	IP	VS,EG		16.2			
		20 24	44	I	VS,ES					
		20 24	52	PP	VS,ES					
		20 25	00	PPP	NS,EG					
		20 27	39	S	EG					
		20 27	49	ISS	ES,EG					
		20 29,0		MQ	NS,EG					
		20 30,0		MR	NG					

DOORBES 1960

- 81 -

NOVEMBRE

480	6	04 38	16.7	53.2 N	159.8 E	.000	74.88	15.12	6.2	USCGS
		4 50	02.5	IP	VS,NS		74.9			
		4 52	51	PP	VS					
		4 59	38	IS	EG					
		4 59	56	E	VG					
		5 00	30	PPS	VG,EG					
		5 15.0		L	EG					
		5 18.0		LM	NG					
		5 24.0		M	EG					
481	6	06 14	53.4	31.1 S	177.7 O	.006	160.94	6.03	6.0	USCGS
		6 35	32	PKP2	VS		160.0			
		6 59	30	/SS/	EG					
		7 43.0		LM	EG,NG					
		7 52.0		M	EG					
482	6	22 10	06.4	52.9 N	168.0 O	.002	77.09	355.41	6.0	USCGS
		22 22	03	P	VS,NS					
		22 22	38	E	VG,EG					
		22 48.0		L	EG					
		23 01.0		M	EG					
483	7	13 23	06.1	32.5 N	131.6 E	.000	85.23	42.58		USCGS
		14 10.0		LM	EG					
484	8	05 22	13.2	44.9 N	149.7 E	.004	80.54	24.30	5.0	USCGS
		5 34	23	P	VS,NS					
485	8	05 27	21.1	45.0 N	149.7 E	-.001	80.45	24.27		USCGS
		5 39	35	P	VS					
		6 12.0		LM	EG,NG					
486	8	11 36	27.2	45.1 N	125.2 O	.002	75.54	325.86	4.7	USCGS

		11 48 14	P	VG							
		12 18,0	LM	VG							
487	9	03 17 58.5			60.9 S	024.8 O	.000	113.22	195.11	6.7	USCGS
		3 34 12	E	VS, VG				113.5			
		3 37 24	PP	VS							
		3 46 58	PS	EG							
		3 47 19	SCSP	NG							
		3 53 04	/SS/	EG							
		4 06,0	LQ	EG, NG							
		4 13,0	LR	VG							
		4 19,0	M	EG, NG							
488	9	10 43 40.8			32.8 N	103.4 E	.000	70.68	61.79	6.5	USCGS
		10 55 03	P	VS, ES				71.0			
		10 57 42	PP	VS, VG							
		10 58 45	E	EG, NG							
		11 04 19	S	EG							
		11 12,0	L	NG							
		11 20,0	MR	EG, NG							
489	9	20 06 16.2			23.4 S	070.6 O	.003	98.67	243.93	6.0	USCGS
		20 20 19	/P/	ES							
		20 33 00	SP	EG							
		20 39 22	SS	VG							
		20 58,0	L	EG, NG							
490	10	14 44 48.8			02.7 S	139.3 E	.001	119.15	54.41	6.5	USCGS
		15 03 39	/PKP/	VS							
		15 04 40	PP	VS							
		15 05 42	E	VS							
		15 07 18	/PPP/	VS							
491	11	05 31 31.9			39.3 N	020.8 E	.002	15.74	127.13	5.5	USCGS
		5 38 15	S	ES							
		5 35 31	PP	VS							
		5 35 23	P	VS, ES				16.0			

492	11	13 45	14.3	55.0 N	161.7 E	-.001	73.44	13.50	USCGS
		13 56	50	IP	VS				
493	11	22 42	36.0	53.4 N	159.6 E	.000	74.65	15.18	USCGS
		22 54	18	P	VS				
494	13	20 45	11.9	39.9 N	030.0 O	-.002	26.25	260.50	USCGS
		20 51	09,5	P	VS				
495	14	17 53	24.6	20.6 S	177.7 O	.079	150.49	4.36	USCGS
		18 12	22	PKP	VS				
496	16	22 59	47.6	38.2 N	089.5 E	.000	58.84	66.36	USCGS
		23 09	53	P	VS				
		23 09	57	E	VS,ES				
497	17	19 46	50.6	52.6 N	170.1 O	.002	77.49	356.69	USCGS
		19 58	48	P	VS,VG				
498	17	21 22	45.6	56.4 S	122.6 O	.001	148.42	237.83	USCGS
		21 42	29	PKP	VS,VG				
		21 42	35	PKP2	VS,VG				
499	18	06 03	35.0	35.2 S	028.6 E	-.002	87.63	160.54	USCGS
		6 08	39	P	VS	.00K	22.8		
		6 08	49	*PP	VS				
		6 09	02	PP	VS				
		6 09	20	PPP	VS				
		6 09	34	E	VS				

500	19	12 16	44.5	08.7 N	137.6 E	.000	108.54	49.68		USCGS
		13 26,0		LM	EG					
501	20	22 01	56.4	06.8 S	081.0 O	.003	92.29	262.28	6.5	USCGS
		22 15 09		P	VS,ES		92.0			
		22 15 29		E	VS,ES					
		22 15 41		E	NS					
		22 19 00		/PP/	EG					
		22 19 22		E	NG					
		22 20 54		PPP	EG					
		22 25 41		SKS	VS					
		22 26 09		S	NG					
		22 50,0		LM	EG					
		23 04,0		M	EG					
502	22	03 03	07.7	08.3 N	038.4 O	.000	54.83	235.60		USCGS
		3 32,0		LM	EG					
503	22	03 31	58.8	19.8 S	172.6 O	.006	149.67	354.77	5.7	USCGS
		3 51 42		PKP	VS,NS					
		3 51 56		E	VS					
504	22	06 21	45.0	36.1 S	052.3 E	.000	95.66	143.03	6.7	USCGS
		7 16,0		LM	EG					
505	22	07 09	14.8	53.2 N	159.4 E	-.001	74.81	15.36		USCGS
		7 20 59		P	VS					
506	22	12 28	54.8	40.3 S	073.9 O	.003	113.25	234.61	6.5	USCGS
		12 47 49		/PP/	VS					
		12 58 37		/PPS/	EG					
		13 04 40		/SS/	EG					
		13 23,0		L	EG					
		13 30,0		MR	VG,EG					

507	23	14 12	21.1	24.4 S	176.1 0	.000	154.33	1.46	6.7	USCGS
		14 32	20	PKP1	VS		154.0			
		14 32	48	PK&2	VS					
		14 36	30	PP	VS					
		14 38	59	E	EG					
		14 48	55	E	EG					
		15 12,0		L	EG					
508	23	17 56	37.2	24.4 S	176.2 0	.002	154.33	1.67		USCGS
		18 16	53	PKP2	VS,EG					
		18 16	56	E	VS					
509	24	04 50	15.8	04.6 S	153.0 E	.008	127.36	41.08		USCGS
		5 09	14	PKP	VS					
510	24	06 52	41.1	24.4 S	176.1 0	.000	154.33	1.46	7.0	USCGS
		7 12	34	PKP	VS,EG		154.2			
		7 12	51	E	VS					
		7 12	59	PKP2	VS,NS					
		7 16	04	E	VS,ES					
		7 16	37	PP	VS,NS					
		7 16	59	E	ES					
		7 19	06	E	VS					
		7 19	37	SKS	VS					
		7 21	02	E	VS					
		7 21	46	E	VS					
511	25	21 54	12.1	38.3 N	140.7 E	.011	83.76	33.24		USCGS
		22 39,0		LM	EG					
512	27	21 24	30.7	37.2 S	073.4 0	.004	110.71	236.57	5.2	USCGS
		22 25,0		LM	EG					
513	28	19 47	19.5	47.5 N	027.5 0	.001	21.18	275.39		USCGS

DOORBES 1960

- 86 -

NOVEMBRE - DECEMBRE

		19 52 06	P	VS,NS						
		19 52 19	PP	VG						
		20 00,0	LM	EG						
514	29	14 06 48.8	26.7 N	126.3 E	-0.002	87.66	49.57			USCGS
		14 19 45	PCP	VS,NS						
515	1	20 49 45.5	49.0 N	129.3 0	.000	73.55	330.39	6.0		USCGS
		21 01 29	P	VS						
		21 23,0	L	EG						
		21 28,0	LM	EG						
		21 32,0	M	EG						
516	2	09 10 39.1	24.6 S	069.7 0	.000	99.09	242.52	7.2		USCGS
		9 24 26	P	VS,NS	.000	101.0				
		9 24 33	E	VS						
		9 24 37	*PP	VS						
		9 24 40	*SP	NS						
		9 28 37	PP	VS,NS						
		9 35 00	SKS	ES						
		10 01,0	LR	VS,ES						
517	2	09 37 36.1	23.4 S	069.5 0	.002	98.04	243.14	6.7		USCGS
		9 51 30	P	VS	.002	98.0				
		9 51 41	*PP	VS						
		9 51 50	*SP	VS						
		9 51 54	E	ES,NS						
518	3	04 24 18.9	42.9 N	104.4 E	.004	63.92	53.63	7.2		USCGS
		4 35 49,5	/P/	VS						
		4 35 51	I	VS						
		4 37 15	PP	VS						
		4 38 01	E	VS						
		4 46 36	E	VS						
		4 58,0	LR	VS,ES						
		5 03,0	LM	VS						

519	4	23 55	39.3	21.2 S	179.0 O	.094	151.01	6.93	USCGS
		14 31		IPKP	VS,NS				
520	5	17 49	41.2	54.9 N	161.4 E	-.003	73.50	13.70	USCGS
		18 01 23		IP	VS,ES				
521	5	18 07	30.2	54.5 N	161.5 E	.001	73.90	13.75	USCGS
		18 19 05		P	VS				
522	5	21 21	51.7	35.9 N	006.5 O	.005	16.31	213.75	USCGS
		21 25	40.5	IP	VS,NS	.005	16.0		
		21 25	52	IPP	ES				
		21 26	00.5	I*SP	VS				
		21 26	25	E	VG				
		21 28	30	E	VS,NS				
		21 28	35	IS	VS				
		21 28	46	E	ES				
		21 28	53	ISS	ES				
523	6	03 35	30.6	43.1 N	104.5 E	.000	63.83	53.41	USCGS
		3 46 04		P	VS				
524	6	08 56	08.4	08.2 N	082.6 O	.000	81.91	273.14	USCGS
		9 09 41		IP	VS,VG				
		9 12 54		E	VS				
		9 19 54		SPP	VS				
		9 47,0		L	VG				
525	6	12 17	38.7	20.6 S	178.8 O	.091	150.43	6.45	USCGS
		12 36 28		*PPKP	VS				
526	7	20 42	48.0	44.5 N	011.0 E	.000	7.09	139.74	BCIS

		20	44	44	P	VS					
		20	45	14	F	VS					
		20	46	26	SSS	VS					
		20	46	45	M	VS					
527	8	01	24	15.7	21.7 S	179.4 0	.089	151.47	7.79		USCGS
		1	43	04	PKP	VS					
		1	43	15	E	VS					
528	9	21	24	55.2	71.7 N	002.7 0	-.002	21.91	353.84		USCGS
		21	29	54	P	VS					
		21	29	57	E	NS					
529	10	13	32	21.6	15.0 S	173.0 0	.000	144.92	355.96		USCGS
		13	52	11	PKP	VS					
530	11	00	01	07.6	22.3 S	171.5 E	.017	150.38	25.11		USCGS
		20	57		PKP	VS					
		42,0			LM	EG					
531	11	18	53	03.2	15.7 S	167.0 E	.004	142.81	28.79	6.2	USCGS
		19	12	38	PKP	VS					
		20	16,0		LM	EG					
532	13	07	36	16.4	52.7 S	159.1 E	.000	163.82	109.15	7.0	USCGS
		7	56	53,2	F	VG					
		7	57	25,2	PKP2	VG					
		7	57	48,2	I	VS					
		9	21,0		MR	EG					
		9	27,0		MR	VG,EG					
533	15	23	51	31.5	03.0 N	126.3 E	.007	107.27	62.86	6.7	USCGS
		10	14		PP	VS,ES					

		10	30		F	VS					
		10	43		PPP	VS					
534	16	01 20	02.2	51.3 N		170.6 O	.000	78.81	356.93		USCGS
		1 32	07	P		VS					
535	16	08 52	17.3	16.4 S		178.0 E	.002	145.94	11.34		USCGS
		9 11	56	PKP		VS					
536	16	16 49	15.9	14.7 N		042.9 E	-.001	46.99	124.94		USCGS
		16 57	46	P		VS					
537	16	18 21	31.7	44.0 N		028.9 O	.000	23.45	267.90		USCGS
		18 26	44	P		VS,ES					
		18 30	55	S		VG					
		18 34,0		LM		EG					
538	17	02 04	31.7	50.8 N		175.2 O	.001	79.39	359.87		USCGS
		2 16	35	P		VG					
539	17	13 14	32.0	44.7 N		030.9 O	.000	24.43	271.01		USCGS
		13 19	31	P		VS,NS					
		13 23	53	E		EG					
		13 27,0		LM		VG,EG					
540	17	16 44	44.6	47.4 N		153.7 E	-.003	79.19	20.77		USCGS
		16 56	56	P		VS,ES					
541	18	01 53	16.0	45.0 N		015.0 E	.000	8.68	122.00		BCIS
		1 57	06	SN		VS					

1 57 49 E VS
1 57 58 E ES,NS
1 58 02 SG VG

542 18 01 58 30.0 45.0 N 015.0 E .000 8.68 122.00 BCIS
2 00 39 P VS 8.8
2 00 50 PP VS
2 01 01 E NS
2 01 50 E VS
2 02 20 SN EG
2 02 49 S* VS,VG
2 03 00 E ES
2 03 09 E ES,NG
2 03 15 SG VS
2 03 22 I VS
2 03 33 E ES

543 18 18 20 43.3 08.6 N 125.9 E .000 102.46 59.92 USCGS
19 16,0 LM VG

544 19 06 59 52.5 21.1 S 169.4 E -.002 148.63 28.04 USCGS
7 19 45 PKP NS

545 19 14 34 37.0 44.5 N 011.0 E .000 7.09 139.74 BCIS
14 36 37,5 PN VS 7.8
14 36 56 P* VS
14 37 18 PG ES,NG
14 37 47 E VS
14 38 11 /SN/ VS
14 38 35 S* EG
14 38 56 SG VS
14 40 35 E ES,EG

546 21 14 39 48.0 61.5 N 152.8 0 .014 67.20 348.49 USCGS
14 50 42 P VS,ES 67.0
14 59 25 S EG
14 59 32 SP VG,EG

547	21	20 53	51.8	11.3 N	014.1 E	.006	39.49	165.26		USCGS
		22 01.0		LM	VG,EG					
548	21	22 29	54.9	62.7 S	167.1 E	.000	164.15	149.51		USCGS
		2.0		LM	VG					
549	22	03 02	20.6	09.8 N	094.1 E	.000	82.18	84.06	5.5	USCGS
		3 14 46		P	VS					
		3 14 50		PCP	VS					
		3 25 08		SCS	EG					
		3 57.0		LM	EG					
550	22	06 31	21.5	31.0 S	177.1 O	.002	160.88	4.44	5.7	USCGS
		8 02.0		LM	EG					
551	22	14 27	40.3	53.9 N	168.1 O	.004	76.10	355.56		USCGS
		15 43.0		LM	VG,EG					
552	22	21 02	41.2	06.9 S	155.3 E	.068	130.40	39.64	6.0	USCGS
		21 23 49		IPP	VS,NS					
		21 26 10		E	EG					
		21 26 48		PPP	VG					
		21 40 33		SS	EG					
		22 06.0		LM	EG					
553	25	20 27	34.1	54.8 N	161.6 E	.001	73.62	13.61		USCGS
		20 39 08		P	VS,NS					
554	28	05 39	41.9	35.0 N	022.3 E	-.002	19.85	132.76		USCGS
		5 44 13		P	VS,ES					



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555	29	10 36	38.1	45.0 S	075.6 O	.000	117.48	231.96	6.5	USCGS
		10 55	31	PKP	VS,NS					
		10 56	45	PP	NS					
		10 57	05	E	VS					

556	29	18 19	41.6	35.5 N	022.6 E	.003	19.59	131.30	5.0	USCGS
		18 24	20	P	VS					