OBSERVATOIRE ROYAL DE BELGIQUE

A

UCCLE

BULLETIN SEISMIQUE

ANNEE

1956

Imprimerie R. LOUIS
37-41, rue Borrens
Bruxelles 5

OBSERVATOIRE ROYAL DE BELGIQUE

BULLETIN SEISMIQUE

Année 1956

INTRODUCTION

Coordonnées géographiques de la Station

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

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

En 1956, les séismographes ont fonctionné sans interruptions.

Constantes approximatives des séismographes Galitzine :

E-W	$T_1 = 24^s,5$	1 = 123,8 mm	A_1 = 1040 mm
	$T = 21^s,8$	μ = + 0,2	k = 38
N-S	$T_1 = 24^s,5$	1 = 124,7 mm	A_1 = 1040 mm
	$T = 21^s,8$	μ = + 0,2	k = 38

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

$\mu = 0,0$; $T = 10^s,0$; $T_1 = 10^s,15$; k = 290

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

	Z*		E*		N*	
T :	$4^s,15$	et $4^s,23$	$7^s,46$	et $7^s,35$	$7^s,46$	et $7^s,38$
$\frac{r}{T^2}$	0,070	et 0,079	0,025	et 0,019	0,027	et 0,021
ϵ :	2,5	et 2,7	2,0	et 2,1	2,0	et 2,5
V :	160	et 157	139	et 140	174	et 162

Etat de la Cave. - Au cours de l'année 1956, la température a varié entre 13,1° et 16,2° C et le degré d'humidité a été maintenu à 60 %.

Analyse des séismogrammes et bulletins. - En 1956, les amplitudes n'ont pas été réduites en mouvement vrai du sol. C'est pour cette raison que les colonnes "Périodes" et "Amplitudes" ont été supprimées dans le Bulletin annuel.

Pour l'analyse des séismogrammes nous avons utilisé les tables de H. Jeffreys, B. Gutenberg et C.F. Richter, J.B. Macelwane et J.S. Joliat, ainsi que les hodographes publiés par Mme Y. Labrouste.

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

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

J.M. VAN GILS.

EXEMPLE EXPLICATIF DES TABLEAUX

STATION
ANNEE MOIS

N°		HEURE ORIGINE	ϕ	λ	h	Δ_c	α_c	M	CENTRE INTERNATIONAL (1)
		HEURES	PHASES	COMPOSANTES	h_o	Δ_o	α_o	REMARQUES T	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_o : distance calculée (exprimée au 0,1 de degré)
α : azimuth (exprimé en degrés, et mesuré du N vers l'Est)
h : profondeur de l'hypocentre (exprimée en km ou en fraction du rayon terrestre).
H : heure origine
Z* : séismographe vertical Wiechert.
E* : séismographe horizontal Wiechert (composante E-W)
N* : séismographe horizontal Wiechert (composante N-S).
VG : séismographe vertical Wilip-Somville
EG : séismographe horizontal Galitzine (composante E-W)
NG : séismographe horizontal Galitzine (composante N-S)
ZG : séismographe vertical Grenet.
(...) : douteux
AG.MI. agitation microsémique
AG.ATM agitation atmosphérique
MBT : mauvaise base de temps
COM : compression
DIL : dilatation
h=0 ≡ foyer superficiel
h=0,00 ≡ profondeur 33 km.

1	03	15	40	55	48.5 N	155.0 E	0	77.9	19.5	6		USCGS
		15	52	59	P	VG						AG.MI.
		16	20		L	EG						
2	03	23	24	52	54.5 N	163.0 W	0	74.5	352.4			USCGS
		23	36	34	P	VG.ZG.N*						AG.MI.
3	05	00	54	18	41.0 S	71.0 W	0	112.6	232.5			USCGS
		1	55		L	EG						F.AG.MI.
4	06	12	15	40	40.5 N	26.0 E	0	18.2	116.0	5.7		USCGS
		12	20	03	P	NS.NG.VG		19.				F.AG.MI.
		12	23	37	S	EG.NG.						
		12	25		LR	E*.VG.EG						
		12	26,4		MR	VG.EG.NG						
5	08	07	11	26	17.0 N	99.5 W	0	85.5	291.3	6.5		USCGS
		7	24,1		P	VG.EG.		85.				MBT.
		7	35,0		/SKS/	EG.NG.E*						
		7	53		L	EG.NG						
		8	02		M	EG.NG.						
6	08	20	54	13	19.0 S	70.0 W	0	95.1	246.2	7.0		USCGS
		21	07,7		P	ZG.VG.EG.		95.				M.B.TEMPS
		21	18,3		SKS	E*.N*.VG						
		21	32		L	EG.NG.						
		21	44		M	E*.EG.NG						
7	09	12	05	53	23.0 S	179.0 E	0.110	151.9	10.5	6.5		USCGS
		12	25,0		PKP	VG						MBT.AG.MI.
8	10	09	26	40	23.0 S	179.0 E	0.110	151.9	10.5	6.5		BCIS
		10			L	EG.NG						MBT.AG.MI.

9	11	06	39	05		33.0 N	139.0 E	0.033	87.5	36.8		USCGS
			07			L	EG					MBT.AG.MI.
10	12	05	46	05		47.5 N	20.0 E	0	10.8	101.8	5.8	USCGS
			5	48	41	P1	EG.VG		11.			
			5	48	54	P2	EG.VG					REPLIQUE
			5	49	12	PP1	E*.EG					
			5	50	54	S1	N*.VG.NG					
			5	51	06	S2	N*.EG.E*					
			5	51,6		LR1	VG.EG.NG					
			5	51,8		LR2	VG.EG.NG					
			5	52,9		M	E*.N*.EG					
11	13	03	27	13		57.5 N	163.5 E	0	70.7	11.7	5.7	USCGS
			4	04		L	EG,NG					
			4	11		M	EG,NG					
			4	18		M	EG,NG					
12	14	14	08	41		51.5 N	173.2 E	0	77.6	7.1	6.1	USCGS
			14	50		L	EG,NG					
13	16	23	37	37		0.5 S	80.5 W	0	87.1	265.7	7.0	USCGS
			23	50	16	P	E*,Z*,N*		87.			
			23	50	21	PCP	Z*,E*					
			00	00	42	SKS	E*,N*					
			00	00	58	S	E*,N*					
			00	01	09	SCS	E*,N*					
			00	07	12	SS	E*,N*					
			00	15		L	E*,N*					
			00	20		MR	Z*,E*,N*					
14	18	08	07	17		24.0 S	70.0 W	0	99.0	243.1		BCIS
			8	55		L	EG					
15	23	03	47	27		55.5 N	162.0 E	0.010	72.4	13.1	6.5	USCGS

			4	20		L		NG,EG					
16	28	04	52	29		0.9 N	27.2 W	0		56.4	218.9		USCGS
			5	10	12	S		EG,NG					
			5	20		L		EG,NG					
17	29	22	20	53		21.0 N	121.0 E	0		89.4	56.6	5.5	USCGS
			23	08		L		NG,EG					
18	30	08	43	01		38.5 S	177.5 E	0		166.8	24.2	6.5	USCGS
			10	08		L		EG,NG					
19	31	02	25	29		45.0 N	14.5 E	0		8.9	126.5		BCIS
			2	29	20	SN		NG		8,6			
			2	30	00	SG		VG,NG					
20	01	13	41	44		19.0 N	145.5 E	0.060		102.6	37.5	6.8	USCGS
			13	55	08	P		VG,EG,NG	0,05	102,5			AG.MI.
			13	56	34	pP		VG,NG					
			13	59	25	PP		Z*,E*,N*					
			14	01	00	pPP		VG,NG					
			14	01	27	sPP		N*,VG					
			14	07	52	SP		VG,EG					
			14	13	30	SS		EG					
			14	18	41	SSS		EG					
			14	33		M		EG					
21	01	15	10	49		39.2 N	15.7 E	0.035		14.1	141.1	6.3	BCIS
			15	14	02	P		Z*,E*,N*	0,03	14,3			COM.
			15	14	23	PP		E*,N*,NG					AG.MI.&AG.
			15	14	33	PPP		E*,VG,					
			15	16	39	S		E*,N*,EG					
22	02	03	21	45		17.5 N	46.5 W	0		52.2	249.5		BCIS
			3	43		L		EG					AG.MI.

23	02	18	50	43		16.1 N	98.3 W	0	85.4	289.8		USCGS
		19	40		M		EG					
24	03	13	42	16		45.5 N	14.5 E	0	8.6	124.1		BCIS
		13	46	56	SG		VG,NG		8,5			
25	03	21	38	00		5.0 S	30.0 E	0	59.8	150.1	5.5	BCIS
		21	48	04	P		ZG,VG		59			FAIBLE
26	05	20	35	55		3.5 N	128.0 E	0	107.7	60.7		USCGS
		21	30		L		EG					
27	09	14	32	40		31.5 N	116.0 W	0	82.7	312.0	6.7	USCGS
		14	45	04	P		Z*,VG,ZG		83			
		14	45	09	PCP		ZG,Z*,VG					
		14	48	15	PP		VG					
		14	55	23	S		N*,NG					
		14	55	41	SCS		N*,NG					
		14	56	28	PPS		N*,NG					
		15	07		LQ		E*,N*					
		15	10		LR		E*,N*,Z*					
		15	15		MR		E*,N*,VG					
28	10	00	02	40		37.0 N	142.0 E	0.005	85.0	32.8	6.5	USCGS
			15	14,4	P		ZG,VG,Z*		84			
			51		L		NG					
			57		M		E*					
29	10	13	43	20	**A 100 Miles du Pérou**							USCGS
		14	35		L		EG					
30	10	18	12	53		31.5 N	116.0 W	0	82.7	312.0	6.1	USCGS

		18	25	14	P	VG,NG		83				
		18	25	25	PCP	NG,VG						
		18	55		L	EG						
31	12	11	49	20	19.0 N	119.5 E	0	90.3	58.9	6.6		USCGS
		12	02	25	P	ZG,VG,N*		90,0				
		12	05	46	PP	VG,EG,NG						
		12	12	56	SKS	EG,NG,E*						
		12	13	16	S	E*						
		12	13	20	SCS	EG,NG						
		12	14	40	PPS	NG,E*,VG						
		12	19,3		SS	EG						
		12	32		L	E*,EG						
		12	35		/MQ/	E*,N*,EG				30,0		
		12	42,1		MR	NG,VG						
		12	46		MR	E*,N*,EG				14,0		
32	12	19	40	20	19.0 N	120.0 E	0	90.5	58.5	5.2		USCGS
		20	25		L	EG						
33	13	03	44	45	19.0 N	120.0 E	0	90.5	58.5	5.2		USCGS
		4	33		L	EG						FAIBLE
		4	41		M	EG						
34	13	14	20	48	19.0 N	119.5 E	0	90.3	58.9	5.7		USCGS
		15	05		L	EG						
		15	11		M	EG						
35	13	22	39	50	18.5 N	119.5 E	0	90.7	59.2			USCGS
		23	34		M	EG						FAIBLE
36	14	00	52	50	35.5 N	139.5 E	0.005	85.4	35.3	6.2		USCGS
		1	05	21	P	N*,NG,ZG						FAIBLE
		1	35		L	EG						
		1	41		M	EG						

37	14	08	21	03		19.0 N	119.5 E	0	90.3	58.9	5.0		USCGS
		9	09			L	EG						
		9	14			M	EG,NG						
38	14	09	53	26		37.0 N	1.5 E	0	13.9	189.5	5.9		USCGS
		9	56	50		P	ZG,EG,NG		14				
		9	57	05		PPP	VG,NG,E*						
		10	00			L	EG						
		10	01,2			M	E*,EG				12,0		
39	14	12	33	48		18.5 N	119.5 E	0	90.7	59.2	5.5		USCGS
		12	58,8			/PS/	EG		90				
		13	05	16		/SS/	EG						
		13	08,7			/SSS/	EG						
		13	16			LR	EG						
		13	23			MR	EG,NG						
40	14	18	33	32		31.5 N	115.5 W	0	82.4	311.6	6.5		USCGS
		18	56	21		S	NG,N*,E*						
		19	07			L	EG,NG						
		19	16,2			M	N*,E*,NG				19,0		
		19	25,2			M	N*,NG,EG				16,0		
		19	28,5			M	EG				15,0		
41	15	01	20	36		31.5 N	115.5 W	0	82.4	311.6	6.6		USCGS
		1	33	13,5		P	ZG,VG,EG		82,0				
		1	33	21,0		PCP	ZG,VG,EG						
		1	43	27		SCS	NG						
		1	44	24		PS	NG,EG						
		1	48,6			SS	EG						
		1	57			L	EG						
		2	03			M	E*,N*,NG						
42	15	04	03	02		44.0 N	18.0 E	0	11.5	121.1			BCIS
		4	09			L	EG,NG						
43	15	15	49	27		28.0 N	53.0 E	0	43.0	103.2	5.7		USCGS

		15 57 27	P	ZG,EG,VG		43					
		16 08	L	EG							
		16 17	M	EG							
44	15	17 39 06	43.1 N	0.5 W	0	8.4	205.2				BCIS
		17 41 45	PN	N*,E*,NG		8,5					
		17 42 26	PG	N*,VG,NG							
		17 43 18	SN	VG,EG							
		17 43 45	/S*/	EG,VG							
		17 44 22	SG	N*,E*,VG							
45	15	20 36 03	13.5 S	111.5 W	0	116.6	281.7				USCGS
		21 30	L	EG							
46	16	00 17 53	22.5 N	143.0 E	0.015	98.4	38.1				USCGS
		1 08	L	EG							
47	17	09 53 55	47.0 S	15.0 W	0	98.8	193.3				USCGS
		10 07 17	P	ZG,NG,N*		99,0					
		10 18 48	S	N*,EG							
		10 26 04	SS	EG							
		10 35	L	EG							
		10 47	MR	NG,EG							
48	18	07 34 19	29.9 N	138.5 E	0.080	90.0	38.5	7.3			CMO
		7 46 30	P	Z*,E*,N*	0,07	90,0					
		7 48 18	pP	Z*,E*,N*							
		7 50 13	PP	VG,EG,NG							
		7 56 13,2	SKS	EG,E*,N*							
		7 56 34	S	Z*,E*,EG							
		7 56 44,2	SP	EG,Z*,E*							
		8 02 29	SS	EG,NG,Z*							
		8 22	M	EG,NG							
		8 30	MR	VG,EG,NG							
49	19	02 18 00	52.0 N	131.5 W	0	71.0	332.9	6.6			USCGS
		2 29 23	P	ZG,E*,N*		71,0					

		2 38 45	S	EG,NG							
		2 39 18	PPS	EG,NG							
		2 46,9	SSS	EG,NG							
		2 48,3	L	EG							
		2 55	M	N*,EG					26,0		
		2 57,5	MR	N*,EG,VG							
		3 00	MR	E*,EG					18,0		
50	19	04 13 16	58.5 N	154.0 W	0	69.6	348.1	5.6		USCGS	
		4 24 21	P	ZG,N*,VG		70					
		4 24 44	PCP	ZG,E*,VG							
		4 33 33	S	EG,NG							
		4 43	L	EG							
		4 54	MR	EG,NG							
51	20	01 19 27	45.0 N	12.5 E	0	8.0	133.6			BCIS	
		1 33 53	SG	VG,EG,NG							
		1 35	L	EG,NG							
		1 36	M	EG,NG							
52	20	07 57 38	24.0 N	124.0 E	0	88.5	52.7			USCGS	
		8 48	L	EG,NG							
53	20	13 06 47	17.0 N	94.5 W	0	82.5	287.5			USCGS	
		13 49	L	EG							
54	20	20 31 35	39.5 N	30.5 E	0	21.5	111.6	6.5		USCGS	
		20 36 26,0	P	VG,EG,Z*		21,2				DIL.	
		20 36 46,0	PP	VG,E*,N*							
		20 36 55,0	PPP	VG,NG,EG							
		20 40 18	S	EG							
		20 40 24,0	S	EG,NG,VG							
		20 40 50	SS	VG,EG,NG							
		20 41 10	SSS	E*,EG,Z*							
		20 41,6	LR	VG,N*,EG							
		20 43,9	MR	E*,N*,EG					14,0		
55	21	20 32 55	22.0 S	179.0 W	0.090	151.1	6.5			USCGS	

		20 51 43	PKP1	VG,EG,E*	0,09	150					
		20 51 50	PKP2	VG,NG							
56	21	22 59 24	73.5 N	8.0 E	0	22.8	2.7			USCGS	
		23 04 26	P	NG,N*,VG		23,0					
		23 05 13	PPP	N*,VG,NG							
		23 08 37	S	N*,VG,NG							
		23 09,5	L	EG							
		23 12,0	M	EG							
57	22	00 07 37	73.5 N	8.0 E	0	22.8	2.7	4.5		USCGS	
		12 42	P	NG,N*,VG		23,0					
		16 50	S	EG,E*,NG							
		18,0	L	EG							
		20,0	M	EG							
58	22	09 59 24	5.0 S	67.0 E	0	77.1	114.8	5.5		USCGS	
		10 11 35	PCP	Z*,VG,E*		77,0				AG.	
		10 21 01	S	N*,NG,EG							
		10 22 04	PPS	EG,NG							
		10 38,5	L	EG							
		10 42	MR	EG							
59	22	23 38 47	5.0 S	67.0 E	0	77.1	114.8			BCIS	
		23 50 34	P	VG,NG,N*		77				AG.	
		23 55 24	PPP	N*,E*							
60	23	01 21 03	31.0 N	42.0 W	0	39.4	257.9			USCGS	
		1 28 37	P	VG,Z*,E*		39,5					
		1 34 40	S	E*,EG,N*							
		1 37 40	SS	EG							
		1 39	L	EG							
		1 40,0	M	EG,NG,N*							
61	24	09 19 01	32.0 S	179.5 E	0	160.9	12.7	5.9		USCGS	
		10 41	L	EG							

62	27	08	37	58		52.0 N	174.0 W	0,015	77.6	359.0		USCGS
			9	28		L	EG					AG.MI.
63	29	20	51	18		23.5 N	94.5 E	0.010	72.2	74.6	6.5	USCGS
		21	02	41,6		P	ZG,Z*,VG	0,00	72,1			AG.MI.
		21	03	02		PCP	N*,VG,ZG					
		21	28			L	EG,NG					
		21	34			MR	EG					
64	29	21	25	58		23.5 N	94.5 E	0.010	72.2	74.6		USCGS
		21	37	22		P	ZG,VG,NG					
		22	00			L	EG					
		22	12			M	EG					
65	01	12	47	57		27.5 N	52.7 E	0	43.1	103.9	5.5	BCIS
		13	05			L	EG					AG.&AG.MI.
66	02	14	49	10		45.5 N	149.5 E	0.015	79.4	24.1		USCGS
		15	01	19		P	Z*,E*,N*					AG.MI.
67	03	00	05	25		15.0 S	173.5 W	0	144.2	356.4	6.7	USCGS
			25	05,0		PKP	ZG,VG,Z*					F.AG.MI.
		1	08			L	EG					
		1	19			M	EG,NG					
68	03	10	13	44		23.5 N	94.5 E	0.010	72.2	74.6	5.3	USCGS
		10	54			L	EG					
69	03	18	23	11		Basse Californie						BCIS
		18	27	21		P	ZG,Z*,EG					
		18	32,5			L	EG					
		18	35,5			M	N*,EG,NG					

70	05	03	42	25		52.0 N	159.5 E	0		75.4	15.6	6.2		USCGS
			4	34		L	EG							
71	05	07	12	13		37.0 N	77.0 E	0		52.1	75.6	6.1		USCGS
			7	38		L	EG							
72	05	23	29	41		44.5 N	144.0 E	0		78.8	28.2	6.4		USCGS
		23	41	48		P	VG,NG,Z*			79,0				
		23	51	47		S	E*,N*							
		23	52	13		PS	EG							
		23	57	33		SS	EG							
	06	00	00	54		SSS	EG,NG							
		00	06			L	E*,EG							
		00	14,5			M	EG,E*,N*					19,0		
73	06	08	55	28		28.0 N	52.5 E	0		42.7	103.6	5.2		USCGS
		9	03	31		P	VG,EG,Z*			43,0				
		9	10,0			S	EG							
		9	13,4			SS	EG							
		9	16			L	EG,NG							
		9	25			M	EG,NG							
74	09	16	44	50		26.0 N	53.5 E	0		44.7	104.7	5.3		USCGS
		17	05			M	EG							
75	10	19	33	40		22.5 S	176.0 W	0.033		151.8	.7	5.5		USCGS
		19	53	15		PKP	ZG,VG							
76	10	20	15	42		45.0 S	168.0 E	0		167.6	68.4	5.0		USCGS
		21	05			M	EG							
77	10	21	37	01		0.5 N	125.5 E	0		108.7	64.7	6.5		USCGS
		22	32			L	EG							FAIBLE

78	12	11	22	51		10.0 N	122.0 E	0		99.0	62.1		USCGS
			12	15		L	EG						FAIBLE
79	12	19	50	37		15.0 S	175.0 W	0		144.3	358.9		USCGS
			21	10		L	EG						
80	13	13	13	10		7.0 N	82.0 W	0		82.3	271.6	6.8	USCGS
			13	35	52	S	EG,NG			83			
			13	36	46	PS	EG						
			13	41	21	SS	EG						
			13	44	15	SSS	EG						
			13	48		LQ	EG,NG						
			13	51,5		LR	E*,EG						
			13	56,5		MR	EG					21,0	
81	14	15	43	20		37.0 S	178.0 E			165.4	20.7		USCGS
			17	05		L	EG						
82	16	19	32	35		33.3 N	35.7 E	0		28.8	115.3	6.5	BCIS
			19	38	35	P	VG,EG			28,7			TR.FAIBLE
			19	43	24	S	EG						AG.MI.
			19	47		L	EG,NG						
			19	50		M	EG,NG						
83	16	19	43	24		33.3 N	35.7 E	0		28.8	115.3	5.4	BCIS
			19	49	24	P	VG,EG,NG			28,7			TR.FAIBLE
			19	54	13	S	EG,NG						AG.MI.
			19	57		L	EG						
			20	01		M	EG,NG						
84	17	19	54	56		10.0 S	154.0 E	0		132.3	42.3		USCGS
			21	03		L	EG						TRACES

85	19	17	35	57	6.0 S	150.0 E	0	127.0	44.6	6.4		USCGS
		18	40		L	EG,NG						
		18	49		M	EG						
86	21	04	54	46	41.0 N	48.5 E	0	31.8	90.5	6.0		USCGS
		5	12		L	EG						
87	22	06	33	55	3.5 S	79.0 W	0.010	88.5	262.7	6.8		USCGS
		6	46	42	P	EG,Z*,E*	0,01	89,0				DIL.-AG.
		6	47	05	pP	EG,Z*,E*						
		6	57	03	SKS	EG						
		6	57	21	S	EG,E*,N*						
		6	59	02	PPS	EG						
		7	03,0		SS	EG						
		7	14,5		L	EG						
88	23	05	10	48	5.0 S	151.0 E	0	126.5	43.0			USCGS
		6	15		L	EG						
89	25	23	27	31	52.0 N	159.0 E	0	75.3	15.9	6.6		USCGS
		23	39	19	P	Z*,VG,EG		76				COM.
		23	49,1		S	EG						
			5		L	EG						
			10		M	EG				25,0		
90	26	03	59	25	52.0 N	159.0 E	0	75.3	15.9	6.2		USCGS
		4	11	17	P	E*,EG,N*		75,3				FAIBLE
		4	20	55	S	NG,EG						
		4	37		L	EG						
		4	41		MR	EG						
		4	45		M	EG				20,0		
91	26	22	51	00	39.2 N	21.9 E	0	16.9	126.5			USCGS
		23	00		L	EG						F.TRACES

92	30	06	11	05		54.5 N	159.0 E	0	72.9	15.1		USCGS
			6	50		L	EG					
93	30	07	16	10		Wyoming	USA					USCGS
			8	14		L	EG					
94	31	14	06	54		47.0 N	17.0 E	0	9.2	109.6		BCIS
			14	09	14	PN	Z*,EG		9,2			FAIBLE
			14	09	41	P*	N*,NG					
			14	10	03	PG	VG,N*					
			14	11	01	SN	NG,VG,N*					
			14	12	02	SG	E*,N*,EG					
95	01	10	54	00		A 3000 km au SW du Chili						BCIS
			12	20		L	EG					AG.
96	02	10	49	56		2.0 N	97.0 E	0	90.1	86.7	6.5	USCGS
			11	03	02	P			90,0			
			11	06	39	PP	E*,EG					
			11	13	47	S	N*,NG,EG					
			11	14	47	PS	NG,EG					
			11	19	14	SS	EG,NG					
			11	30		LR	NG,EG					
			11	47,0		MR	EG,NG					
97	06	07	11	34		36.5 N	71.0 E	0.030	48.7	80.1	6.8	USCGS
			7	20	00	P	E*,Z*,VG	0,025	48,5			COM.
			7	20	46	pP	VG,NG,E*					
			7	21	56	PP	E*,EG,N*					
			7	22	37	pPP	E*,NG,N*					
			7	22	49	PPP	E*,N*,VG					
			7	23	06	/sPP/	NG,E*,N*					
			7	26	45	S	E*,N*,EG					
			7	28	05	sS	NG,E*,EG					
			7	29	27	SCS	E*,N*,NG					
			7	31,0		L	EG,NG					
98	06	23	58	40		19.5 N	109.5 W	0	89.2	300.4		USCGS

			40		L	EG,NG					FAIBLE
99	07	18	00	57	32.0 S	180.0	0.053	160.9	11.4		USCGS
		18	33	19	SKKKS	EG					
		19	13		L	EG,NG					
100	10	13	16	04	3.0 S	102.0 E	0.020	97.1	86.0	7.0	USCGS
		13	39	47	SKS	E*,EG,NG	0,02	97			AG.
		13	40	37	/S/	E*,EG,NG					
		13	41	52	SP	EG,NG,E*					
		13	52		L	EG,NG					
101	11	17	34	15	35.5 S	54.5 E	0	96.6	140.9		USCGS
		18	25		L	EG					
102	12	04	59	37	22.0 S	72.5 W	0	98.9	246.1		USCGS
		5	55		L	EG					
103	12	22	34	44	37.0 N	50.0 E	0	35.1	95.2	5.5	USCGS
		22	54		L	EG					
104	14				Iles Sandwich						BCIS
		4	20		L	EG					TRACES
105	18	11	00	13	52.0 N	178.0 W	0	77.6	1.5	6.0	USCGS
		11	40		L	EG,NG					
		11	46		M	EG					
106	19	18	38	53	37.5 N	3.7 W	0	14.5	206.5		BCIS
		18	47,1		LR	E*,EG,NG					
		18	47,8		MR	E*,NG,ZG					

107	20	15	15	56		7.5 S	129.0 E	0.020	117.3	66.6		USCGS
		16	15		L		EG					F.TRACES
108	21	01	25	12		100 m. au Sud de Formose						USCGS
		2	10		L		EG					
109	21	22	47	06		50.6 N	4.6 E	0	.2	142.3		BCIS
		22	47	11,8	PG		Z*,E*,N*		26 KM			FAIBLE
		22	47	14,1	SG		Z*,N*,E*					
110	22	04	40	53		5.7 S	151.5 E	0	127.3	42.8	6.0	USCGS
		5	45		L		EG,NG					
111	22	17	21	53		54.0 N	162.0 W	0	74.9	351.7	6.5	USCGS
		17	33	39	P		Z*,VG,ZG		75,0			
		17	33	59	PCP		ZG,VG,EG					
		17	43	17	S		N*,NG,E*					
		17	44	01	PPS		E*,N*,NG					
		17	48	19	SS		E*,EG					
		17	55		L		EG					
		18	12,5		MR		NG,EG				18,0	
112	23	03	31	40		42.5 N	144.5 E	0.010	80.8	28.7	6.8	USCGS
		3	43	51	P		VG,NG,ZG	0,00	81,0			
		3	53	57	S		EG					
		3	54	11	SCS		NG,EG					
		3	54	43	SP		NG					
		3	55	16	/PPS/		NG					
		4	03	48	/SSS/		EG					
		4	08		LR		EG					
		4	13,0		MR		EG,NG,N*					
113	23	08	28	00		47.0 S	11.0 W	0	98.3	190.5		USCGS
		9	20		L		EG,NG					

114	25	08	29	58		17.0 S	175.0 E	0		145.4	15.9	6.7	USCGS
			9	40		L	EG,NG						
115	26	03	00	03		44.1 N	11.3 E	0		8.2	142.3		USCGS
			3	04,5		L	EG,NG						
116	26	07	41	52		16.5 S	174.0 E	0		144.8	17.4	6.0	USCGS
			8	40		L	EG						
117	26	11	38	42		37.0 N	140.0 E	0.010		84.3	34.2		USCGS
			12	25		L	EG,NG						
118	26	14	52	19		51.0 N	143.0 E	0		72.7	25.9	6.0	USCGS
			15	32		L	EG,NG						
119	01	12	57	48	Iles Tonga								USCGS
			14	30		M	EG						
120	06	20	57	16		54.5 N	162.5 W	0		74.5	352.1	5.7	USCGS
			21	09	02,1	P	ZG,VG,EG						
			21	41		M	EG						
121	07	10	58	12		46.5 S	96.0 E	0		124.8	122.7	6.7	USCGS
			12	08		L	EG,NG						FORTE AG.
122	08	07	14	01	Iles Fidji								BCIS
			7	33	49	PKP	VG,NG,EG						

123	13	07	50	33	30.0 N	70.0 E	0	52.3	87.2	6.1		USCGS
		7	59	49	P	Z*,VG,ZG		52,5				
		8	10	52	SS	NG,EG						
		8	17		L	EG						
		8	26		M	EG,NG						
124	13	14	34	00	85.5 N	82.0 E	0	38.6	7.1			USCGS
		14	42	28	PP	VG						
125	15	18	34	14	36.7 N	20.9 E	0	18.4	133.6	5.8		BCIS
		18	38	31	PP	ZC,Z*,E*		18,5				
		18	41	49	S	EG,NG						
		18	43		L	EG,NG						
		18	45		M	EG,NG						
126	15	22	56	56	38.0 N	20.8 E	0	17.3	131.3	6.0		BCIS
		23	01	09	P	ZG,VG,EG		18,5				
		23	04	30	S	EG,VG,NG						
		23	06		L	E*,N*,EG						
		23	07		M	N*,EG,NG						
127	17	05	59	57	16.5 S	72.0 W	0.015	94.3	249.2			USCGS
		6	45		L	EG						
128	18	22	08	30	39.5 N	23.5 E	0	17.5	122.7	6.1		USCGS
		22	12	35	P	ZG,VG,NG		18				
		22	17		L	EG,NG						
		22	18,4		M	NG						
		22	19,9		M	E*,EG						
129	19	00	21	12	11.5 S	166.5 E	0	138.2	26.8			USCGS
		1	30		L	EG,NG						
130	19	01	30	36	7.0 S	156.0 E	0	130.4	38.2	6.4		USCGS

		01	49	52	PKP	VG,EG*		131				
		01	53	11	/PKS/	ZG,VG,EG						
		02	26		L	EG						
		02	44		M	NG,EG				22,0		
131	19	20	02	15	40.0 S	43.0 E	0	96.5	151.1	6.3		USCGS
		20	19	40	PP	EG,NG		96				
		20	41		LG					65		
132	22	03	01	03	15.5 S	173.0 W	0	144.7	355.6	6.5		USCGS
		3	20	42,5	PKP	ZG,Z*,VG		144				COM.
		3	42,4		SS	EG						
		4	12		L	EG						
		4	15		M					24,0		
133	22	13	36	12	4.0 S	152.5 E	0	126.2	40.8	6.5		USCGS
		13	54	23	PKP	VG,NG	0,07	126,0				
		13	56	23	PP	VG,NG,EG						
		13	57	42	sPKP	NG						
		13	58	06	PKS	VG						
		14	00	33	SKS	NG,EG						
		14	02	27	SKKS	EG,NG						
		14	20	52	SSSS	EG						
		14	47		M	EG						
134	23	00	05	02	36.4 N	3.7 E	0	14.4	182.1			BCIS
			10		L	EG,NG						
135	23	06	37	09	36.4 N	7.3 E	0	14.5	170.5			BCIS
		6	45		L	EG,NG						
136	23	20	48	30	15.5 S	179.0 W	0.070	144.7	5.6	7.5		USCGS
		21	07	14,7&5	PD	ZG,Z*,VG	0,06	145,0				COM.
		21	07	21,0	PKPA	Z*,N*,VG						
		21	08	57,0	pPKPD	ZG,Z*,VG						
		21	10	15,0	PKSD	ZG,VG,Z*						
		21	10	47	PKSA	VG,EG						

		21	13	37	SKS	E*,N*,EG					
		21	14	41	PPP	NG,E*,N*					
		21	24	59	PPS	VG,N*,EG					
		21	30	31	SS	EG,					
		21	37	04	SSS	EG					
			--	--	L						MAL DEF.
137	24	02	27	29	26.0 N	110.0 W	0	84.2	304.5	5.5	USCGS
			3	06	L	EG,NG					
138	26	18	39	59	43.9 N	11.3 E	0	8.3	143.0		BCIS
		18	42	22	P	N*,NG		9			
		18	44	07	S	EG,NG					
		18	44,3		L	EG,NG					
139	26	20	21	14	19.0 S	178.5 W	0.080	148.2	5.1	6.6	USCGS
		20	40	02,0	PKP1	VG,E*,ZG	0,07	148,0			
		20	40	11,0	PKP2	VG,NG,E*					
		20	42	28,5	pPKP1	ZG,VG,Z*					
		20	43	42,0	PP	ZG,E*,NG					
		20	49	31	SKKS	N*,VG,EG					
		21	01	53	SS	EG,NG					
		21	07	51	SSS	EG					
					L						MAL DEF.
140	28	13	23	17	1.0 N	122.0 E	0.010	106.3	67.3	5.5	USCGS
		13	51	15	PS	EG,NG					
		14	05		L	EG					
141	29	16	21	02	43.9 N	11.3 E	0	8.3	143.0		BCIS
		16	26		L	EG					TRACES
142	30	04	40	00	3.0 S	147.0 E	0	122.9	46.2		BCIS
			5	47	L	EG					
143	30	15	41	57	23.0 S	178.5 W	0.053	152.2	5.6		USCGS

		16	01	17,0	PKP	ZG,NG,VG						
144	03	05	19	23	79.5 N	118.5 W	0	45.8	347.6	5.0		USCGS
		5	27	45,4	P	ZG,VG,E*		46,0				
		5	34	22	S	EG,NG,N*						
		5	47,5		MR	EG,NG,VG						
145	04	07	09	18	52.0 N	170.5 W	0	77.5	356.7	6.5		USCGS
		7	21	17	P	Z*,VG,E*		78				
		7	21	28	PCP	VG,NG,N*						
		7	56		MR	VG						
146	05	05	59	41	51.0 S	112.5 W	0	141.3	244.3	6.2		USCGS
		7	10		LR	EG						FORTE AG.
147	09	10	08	32	30.5 S	70.5 W	0	104.3	239.3	6.9		USCGS
		11	04		M	E*,N*						
148	09	23	13	51	35.5 N	67.5 E	0	47.1	83.6	7.7		USCGS
		23	22	26	P	ZG,Z*,E*		47,0				COM.
		23	24	16	PP	ZG,Z*,E*						
		23	29	24	S	N*,E*						
		23	32	56	SS	E*,N*						
		23	34	00	SSS	N*						
		23	35,7		LR	N*,E*,Z*						
		23	42,9		MR	N*						
149	10	13	48	42	47.1 N	14.6 E	0	7.7	114.8			BCIS
		14	14		L	EG						
150	11	01	11	24	34.5 N	26.5 E	0	22.9	126.9	5.4		USCGS
		1	16	32	P	E*,N*,VG		22,5				
		1	20	34	S	E*,EG						
		1	23		LR	EG,VG						

		1 27		MR	VG,EG							
151	11	08 22	09	52.0 N	31.5 W	0	22.3	287.1	5.5		USCGS	
		8 27	05	P	VG,EG,E*		22,3					
		8 31	14	SD	E*,N*,VG							
		8 32		LR	E*,EG,VG							
		8 34		MR	E*,N*,VG							
152	11	09 56	10	27.5 S	69.0 W	0	101.1	240.2	5.7		USCGS	
		10 45		L	EG						FORTE AG.	
153	11	22 54	48	50.5 N	89.0 E	0	50.8	55.2			USCGS	
		23 22		LR	VG,EG						FAIBLE	
154	12	02 09	04	Iles Samoa							BCIS	
		2 28	38	/PKP/	EG,VG							
		2 28	54	e	VG							
155	12	08 54	02	9.0 S	110.0 W	0	112.3	283.5	6.5		USCGS	
		9 48		L	EG							
		9 53		M	EG							
156	13	12 07	41	.5 S	124.5 E	0.030	109.0	66.1			USCGS	
		13 00		L	EG						AG.	
157	14			Pacifique Sud							BCIS	
		18 20		L	EG							
158	15	15 35	55	25.0 S	178.0 W	0.030	154.2	4.9			BCIS	
		16 56		L	EG							

159	16	06	19	22		28.5 N	131.5 E	0	88.3	44.6	5.9	USCGS
		6	32	17		P	VG,EG,E*		88,5			
		6	35	50		PP	VG,EG					
		6	42	45		SKS	EG					
		6	43	04		S	EG,VG					
		6	48	55		SS	EG					
		7	02			L	EG					
		7	08,5			M	EG				20,0	
160	16	19	36	01		26.0 S	176.7 W	0	155.2	2.3		BCIS
		21	00			L	EG					
		21	04			M	EG					
161	19	00	19	00		5.0 S	103.0 E	0	99.3	86.5		BCIS
		1	20			L	EG					
162	20	16	29	44		18.0 S	174.0 W	0	147.2	357.1		BCIS
		16	49	24		PKP	VG,EG					
163	20	22	31	02		Atlantique Nord						BCIS
		22	36	04		PD	ZG,VG,EG		21,5			
		22	40	00		SD	EG					
		22	41,5			LR	EG,VG					
		22	43			M	EG					
164	21	00	41	05		Iles Tonga						BCIS
		2	09			L	EG					FAIBLE
165	22	00	46	55		38.5 N	33.5 E	0	23.9	109.6		BCIS
			56	02		S	EG,VG					FAIBLE
		1	01,5			MR	EG,VG					
166	23	02	18	02		56.5 N	163.5 E	0	71.7	12.0	6.8	USCGS
		2	29	29		P	ZG,VG,E*		72,0			

		2 29 46		PCP	VG,ZG,E*							
		2 32 09		PP	VG,N*,ZG							
		2 34 05		PPP	E*,VG,EG							
		2 38 57		S	EG							
		2 39 17		PS	VG,EG							
		2 43 27		SS	EG							
		2 46 51		SSS	EG							
		2 48,5		LQ	EG							
		2 52,5		LR	EG							
		2 59		MR	EG					23,0		
167	23	23 18 57		21.0 S	174.0 E	0		149.2	19.1			USCGS
		38		L	EG							
168	24	12 55 00		40.0 S	36.0 E	0		94.6	156.1	5.0		BCIS
		13 19 38		/S/	EG			95				
		13 44		L	EG							
		13 53		MR	EG,VG							
169	24	20 58 36		7.0 S	155.0 E	0		130.0	39.4	6.7		USCGS
		21 17 43		PKP	VG			130				
		22 00		LR	EG							
		22 11		MR	EG							
170	25	10 50 53		38.4 N	20.8 E	0		17.0	130.5			BCIS
		11 00		L	EG							
171	25	12 52 07		30.5 N	60.0 E	0		45.6	94.5			USCGS
		13 20		L	EG							FAIBLE
172	26	00 00 13		17.0 S	169.5 E	0		144.2	24.8			USCGS
		1 57		M	EG							
173	26	06 27 40		39.5 N	22.2 E	0		16.9	125.2	5.2		BCIS
		6 35		L	EG							

174	27	18	57	30		23.0 N	121.0 E	0		87.8	55.5			USCGS
		19	42			L	EG							
175	27	20	40	56		3.5 S	151.5 E	0		125.4	41.6			USCGS
		21	47			L	EG							
176	27	23	29	42		37.8 N	22.1 E	0		18.1	129.0			BCIS
		23	41			LR	EG,VG							
177	28	03	54	20		15.5 S	178.0 W	0		144.7	3.9			USCGS
		4	13	59		PKP1	VG,EG,E*			144				
		4	14	07		/PKP2/	VG,N*							
		5	03			LR	EG							
		5	12			MR	EG					25,0		
178	28	17	42	31		44.1 N	18.6 E	0		11.7	119.3	4.0		BCIS
		17	45	10		/P/	ZG,EG,VG			12				
		17	49			LR	E*,N*,VG							
		17	50			MR	EG,VG					9,0		
179	28	22	58	50		48.7 N	129.2 W	0		73.2	329.9	6.3		USCGS
		23	10	23		P	ZG,VG,EG			73				
		23	10	32		PCP	ZG,VG							
		23	13	07		PP	VG,E*							
		23	15	03		/PPP/	EG,VG							
		23	19	49		S	EG,VG							
		23	20	36		SCS	EG,VG							
		23	24	31		SS	EG							
		23	30			L/Q/	EG,E*							
		23	33			M	EG							
		23	42			MR	EG,VG							
180	29	02	22	00		26.0 N	122.0 E	0		85.9	53.1	6.2		USCGS
		2	34	41		P	VG,EG			85,5				

		2 45 11		S		EG						
		3 02		L		EG						
		3 09,5		MR		E*,EG,VG						
181	29	17 43 26		14.0 N		121.0 E	0		95.2	60.6		USCGS
		18 32		L		EG						
182	30	01 50 20		44.0 N		29.0 E	0		18.0	102.7	5.4	USCGS
		1 54 35		P		ZG			18,0			
		1 57 55		S		EG						
		2 00		LR		EG,N*						
		2 01		MR		EG,E*						
183	30	13 09 47		33.5 S		103.0 W	0		125.6	258.9		USCGS
		14 10		L		EG						
184	02	23 57 09		700 km au S de Tristan da Cunha								BCIS
		43		LM		EG						FAIBLE
185	03	15 46 41		13.5 N		91.0 W	0		83.0	282.6	5.8	USCGS
		16 00 02		P		EG			83			
		16 09 27		S		EG						
		16 10 17		PS		EG						
		16 26		LR		EG						
186	03	23 26 17		36.5 N		71.0 E	0.036		48.7	80.1	6.2	USCGS
		23 34 40,0		P		ZG,VG,EG	0,035		49,0			COM.
		23 37 44		pPP		VG,EG,E*						
		23 43		M		EG						
187	04	00 39 55		18.0 S		178.5 W	0.070		147.2	5.0		USCGS
		58 50,5		PKP1		ZG,VG	0,065		147,0			
		58 54,5		PKP2		ZG,VG,EG						DIL.
		1 00 41		pPKP2		ZG,VG,EG						

188	04	03	04	14		7.0 S	155.5 E	0	130.2	38.8	USCGS
		3	27	04	PKS		ZG,EG,E*		131		
		4	03		L		EG				
189	04	03	42	50		7.0 S	155.5 E	0	130.2	38.8	USCGS
		4	02	02	PKPD		ZG,E*,VG		130,0		
		4	05	25	PKSB		VG,EG				
		4	05	41	PKSD		VG				
		4	43		LR		EG				
190	07				**Données discordantes**						BCIS
		21	36		L		EG				
191	08	06	01	56		.0 N	126.5 E	0.010	109.7	64.1	USCGS
		6	56		L		EG				
192	09	03	11	39		37.0 N	26.0 E	0	20.7	123.4 7.7	USCGS
		3	16	26,0	P		ZG,VG,Z*		20,7		COM.
		3	16	27,0	PD		ZG,VG,Z*				
		3	20	12	S		ZG,Z*,N*				
		3	20	21	S		Z*,E*,VG				
		3	21,4		LR		E*,N*,Z*				
		3	24,0		MR		N*,Z*,E*				
193	09	03	24	05		37.0 N	26.0 E	0	20.7	123.4 7.2	USCGS
		3	28	51,0	P		Z*,ZG				REP. 0192
194	09	03	24	05		37.0 N	26.0 E	0	20.7	123.4 7.2	USCGS
		3	30	21	P		N*				REP. 0192
195	09	06	19	07		37.0 N	26.0 E	0	20.7	123.4 5.7	USCGS
		6	23	57	P		ZG				REP. 0192

196	09	06	22	49		37.0 N	25.5 E	0	20.4	124.3	5.6	USCGS
		6	27	31	P		ZG,E*,N*					REP. 0192
		6	31	29	S		N*,E*					
		6	34		L		N*					
197	09	09	45	06		37.0 N	26.0 E	0	20.7	123.4	5.2	BCIS
		9	49	56	P		VG,Z*,E*					REP. 0192
		9	53	55,0	S		E*,EG					
		9	54		L		EG					
198	09	09	56	13		20.0 N	73.0 W	0.010	66.8	273.5	6.9	USCGS
		10	07	01	P		E*,N*,VG	0,01	67,0			DIL.
		10	07	20	pP		VG,EG,E*					
		10	09	42	PP		VG,EG,E*					
		10	10	01	pPP		VG,EG					
		10	16	07	SP		E*,EG					
		10	16	23	PS		VG,E*,EG					
		10	19	51	SS		EG,E*					
		10	23,2		SSS		EG					
		10	26		LR		E*,EG,VG					
		10	27,0		M		EG				28,0	
199	09	11	30	48		36.7 N	26.3 E	0	21.1	123.5		BCIS
		11	35	37	P		Z*,N*,VG					
200	09	20	10	25		36.9 N	26.0 E	0	20.8	123.6	5.0	BCIS
		20	15	11	P		ZG,EG,N*					REP. 0192
201	09	20	13	56		36.9 N	26.0 E	0	20.8	123.6	5.4	BCIS
		20	18	39	P		ZG,Z*,E*					REP. 0192
		20	22	39	SS		EG,E*,VG					
		20	24,5		L		EG					
		20	27,5		MR		EG,VG,N*					
202	09	20	48	02		36.9 N	26.0 E	0	20.8	123.6		BCIS

			20 52 49	P	E*,EG,Z*						FAIBLE
			20 56 47	S	EG						
			20 59,5	LR	VG,EG						
203	09	21 28 42		36.9 N	26.0 E	0		20.8	123.6	5.2	USCGS
			21 33 27	P	VG,ZG,Z*						REP. 0192
			21 37 29	S	EG						
			21 40	L	EG						
			21 42,3	M	EG						
204	10	01 59 40		36.9 N	26.0 E	0		20.8	123.6		BCIS
			2 04 27	P	ZG,VG,EG			21,0			
			2 08 29	S	EG,E*						
			2 10	L	EG						
			2 13	MR	EG,VG						
205	10	03 01 27		37.0 N	26.0 E	0		20.7	123.4	5.7	USCGS
			3 06 12	P	VG,EG,E*						REP. 0192
			3 10 04	S	N*,VG,EG						
			3 12,0	L	EG,N*						
			3 15	MR	VG,EG,N*						
206	12	15 01 26		23.0 N	94.5 E	0.010		72.6	74.9	6.3	USCGS
			15 12 48	P	N*,VG,EG	0,01		72,5			FAIBLE
			15 22,6	PS	EG						
			15 27,5	SS	EG						
			15 37	LR	EG						
			15 42	MR	EG						
207	12	16 55 09		58.0 S	143.0 W	0		159.8	236.4		BCIS
			17 39,9	SS	EG			160			AG.MI.
			17 45,4	SSS	EG						
			18 10	LR	EG						
			18 27	MR	EG						
208	13	13 36 03		27.0 S	70.0 W	0.010		101.3	241.2		USCGS
			14 25,2	LR	EG						

		14 34		MR	EG					
209	14	19 01	04	40.2 N	31.0 E	0	21.3	109.4	4.5	BCIS
		19 05	49,0	P	ZG,VG,EG		21,8			
		19 09	46	S	VG,EG,E*					
		19 11,5		L	EG					
		19 14		M	EG					
210	14	22 05	41	20.0 N	121.5 E	0	90.5	56.8		USCGS
		22 50		L	EG					
211	16	05 17	56	28.5 N	54.5 E	0	43.5	101.3		BCIS
		5 40		L	EG					
212	16	15 07	10	22.0 N	95.5 E	0.000	74.0	74.9	6.9	USCGS
		15 18	46	P	VG,E*,ZG	0,004	74,3			
		15 21	31	PP	ZG,VG,EG					
		15 23	27	PPP	E*,VG,EG					
		15 28	08	S	VG,E*,N*					
		15 33	14	SS	E*,EG					
		15 36	58	SSS	EG,E*,N*					
		15 43,1		LQ	N*,EG					
		15 45,1		LR	EG,N*					
		15 50,6		MR	EG,N*				16,0	
213	16	21 34	03	52.0 N	178.5 W	0	77.5	1.8		USCGS
		22 20		L	EG					
214	17	03 19	04	38.0 N	20.0 E	0	16.9	133.0		BCIS
		3 29,0		M	EG					
215	17	07 34	07	7.0 S	126.5 E	0.070	115.4	68.5	6.9	USCGS
		7 52	02	PKP	VG,ZG,E*	0,07	115,0			COM.
		7 53	14	PP	VG,EG					

		7 58 02	SKS	VG,E*,EG								
		7 59 21	SKKS	E*,EG,VG								
		8 00 09	S	EG,VG,N*								
		8 02 02	SP	VG,EG,E*								
		8 03 13	SPP	N*,E*,VG								
		8 08 27	SS	EG,N*								
		8 28,5	L	EG								
		8 42,0	MR	EG,VG						22,0		
216	17	15 19 38	41.0 N	27.0 W	0	23.8	257.8					USCGS
		15 24 54	P	ZG,VG,Z*	0	24,0						
		15 29 12	S	EG,E*,VG								
		15 31	L	EG								
		15 32	MR	EG,VG								
217	18	00 27 27	5.0 S	151.0 E	0	126.5	43.0					USCGS
		46 32	P	N*,ZG,VG		126,5						FAIBLE
		48 34	PP	VG								
		1 25	L	EG								
218	18	06 19 15	5.0 S	130.0 E	0.020	115.8	64.1	7.3				USCGS
		6 34 14	P	NG,VG	0,02	116,0						
		6 34 48	pP	VG,EG								
		6 38 01	PKP	EG,NG,VG								
		6 38 43	pPKP	EG,NG,VG								
		6 39 07	PP	Z*,VG,E*								
		6 39 25	pPP	NG,VG,N*								
		6 42 10	PKS	Z*,E*,VG								
		6 46 50	S	E*,EG								
		6 48 48	PS	Z*								
		6 48 58	PKKP	EG,NG								
		6 49 39	/SPP/	E*,Z*,N*								
		7 04,0	/LQ/	E*,N*,EG								
		7 15	LR	E*,N*,EG								
		7 25,0	MR	E*,N*,NG								
219	19	20 40 54	15.0 N	120.5 E	0	94.1	60.4	6.0				USCGS
		20 54 14	P	VG,EG,ZG	0	94,0						
		21 04 48	SKS	NG,EG								
		21 25	LR	EG,NG								
		21 32	MR	EG								

220	19	23	26	25	9.5 N	84.5 W	0	82.0	275.1	6.2	USCGS
		23	38	46	P	ZG,VG,NG	0	82,0			
		23	38	54	PCP	ZG,VG					
		23	48	59	S	EG,NG					
		23	54	20	SS	EG					
		23	57		L	EG					
221	19	23	38	04	9.5 N	84.5 W	0	82.0	275.1	6.2	USCGS
		23	50	24	P	VG		82,0			
			1		L	EG,NG					
			10		MR	VG,EG					
222	20	17	32	52	2.0 N	129.5 E	0	109.8	60.3		BCIS
		18	15		L	EG,NG					
223	21	00	08	31	1.0 N	26.0 W	0	55.9	217.6	5.6	USCGS
			26	54	S	EG,NG,VG		60			
			31		L	EG,NG					
			37		MR	NG,VG,EG					
224	21	14	51	06	50.5 N	147.5 E	0.090	74.3	23.4	5.4	USCGS
		15	03	56	pP	Z*,N*,VG	0,09	74,5			
		15	10	22	S	EG,NG					
		15	19		L	EG					
225	21	15	32	25	23.0 N	70.0 E	0	57.2	93.2	6.7	USCGS
		15	42	14,0	P	Z*,VG,N*	0	57,0			COM.
		15	43	10	PCP	Z*,VG,EG					
		15	45	39	PP	EG,VG,Z*					
		15	50	10	S	N*,EG,NG					
		16	01		L	EG,NG					
		16	10,2		MR	NG,EG					
		16	13,0		MR	NG,EG				14,0	
226	22	03	28	59	37.0 N	26.3 E	0	20.9	122.9	5.6	BCIS
		3	33	45,0	P	Z*,VG,NG	0	21,0			DIL.

		3 37 42	S	NG,EG,VG						
		3 39	L	EG,NG						
		3 42	MR	EG,NG,VG						
227	23	08 03 51	36.5 N	122.0 W	0	81.1	318.9	4.6		USCGS
		8 28	L	EG,NG						
228	23	19 25 58	24.0 S	112.0 W	0	124.8	274.0	6.3		USCGS
		19 45 06	PKP	VG,EG,NG	0	124,0				
		19 47 06	PP	VG,EG						
		19 49,1	/PPP/	NG,EG						
		20 03 13	SS	EG,NG						
		20 17	L	EG,NG						
		20 23	LR	EG,NG,VG						
		20 30	MR	EG,NG,VG				20,0		
229	24	18 56 32	1.0 N	126.5 E	0	108.9	63.5	5.8		USCGS
		19 24 43	PS	VG,EG						
		19 51	L	EG,NG						
230	27	23 53 31	14.4 N	94.5 W	0	84.5	285.9			BCIS
		40	L	EG,NG						
231	30	05 41 00	35.7 N	25.7 E	0	21.5	126.2	5.5		BCIS
		5 45 52	P	E*,VG,NG		21,5				FORTE AG.
		5 49 54	S	EG,NG,VG						
		5 51	L	NG						
		5 53,0	M	NG,N*				14,0		
232	30	09 15 00	37.0 N	26.0 E	0	20.7	123.4	6.1		USCGS
		9 19 52	P	Z*,N*,VG	0	21,5				COM.
		9 23 48	S	E*,VG						
		9 24 06	SS	E*,VG,EG						
		9 25,0	LR	EG,E*,N*						
		9 26,0	MR	EG,VG,NG				12,0		

233	30	09	21	16	37.0 N	26.0 E	0	20.7	123.4	6.1		BCIS
		9	26	04	P	VG,Z*,EG						
234	30	10	39	57	35.7 N	25.7 E	0	21.5	126.2	5.5		BCIS
		10	44	54	P	Z*,E*,N*						AG.MI.
		10	51		L	E*,N*						
235	01	09	40	32	48.3 N	9.0 E	0	3.9	127.8	4.2		BCIS
		9	42	34	S*	VG,NG,N*		3,9				
		9	42	46	SG	E*						
236	01	17	32	57	14.5 S	173.5 W	0	143.7	356.5			USCGS
		18	51		L	NG						
237	03	17	37	42	Iles Sandwich, Atlantique Sud							BCIS
		18	30		L	EG						
		18	36		M	EG						
238	04	09	48	45	5.0 S	153.0 E	0.010	127.3	40.7			USCGS
		10	50		L	EG						
		11	00		M	EG						
239	05	09	09	12	41.0 N	144.0 E	0.010	82.0	29.7	5.4		USCGS
		9	54		L	EG						
240	06	17	22	45	26.5 N	127.0 E	0	87.9	49.0			USCGS
		18	11		L	EG						
241	08	23	02	10	32.0 N	67.0 E	0	49.0	87.5			USCGS
		23	30		L	EG						

242	09	03	37	11	Au large NE de l'Ile de Crète							BCIS
		3	50		L	EG						
243	09	23	00	42	15.0 S	176.0 W	0.036	144.3		.6	6.8	USCGS
		23	19	53	PKP	Z*,VG,E*	0,04	145				
		23	21	04	pPKP	VG,Z*,N*						
		23	21	31	sPKP	VG						
		23	23	18	PP	N*,VG						
			2		L	EG						
244	10	15	24	37	18.0 S	176.0 W	0		147.3	.6		BCIS
		15	44	16	PKP	N*,VG,EG						
245	12	00	25	42	19.0 S	176.0 W	0.030		148.3	.6		USCGS
			45	04	PKP1	VG,EG,N*	0,027		147,5			
			45	13	PKP2	N*						
			45	54	pPKP1	EG,VG						
			46	12	pPKP2	VG,EG						
			48	39	PP	E*,VG						
246	12	04	21	33	46.3 N	7.5 E	0		5.0	153.9		BCIS
		4	24	13	SG	EG			4,8			
247	13	09	07	38	28.5 S	176.0 W	0		157.7	.8	5.8	USCGS
		10	42		L	EG						
248	14	02	50	30	53.0 S	22.0 E	0		104.5	169.1		BCIS
		3	04	43	P	VG,N*	0		105			
		3	18	25	PS	EG						
		3	39		L	EG						
		3	44		MR	EG,VG,N*						
249	14	23	34	33	19.5 S	179.0 W	0.086		148.7	6.1		USCGS

		23 53 11	PKP1	EG							
		23 53 25	PKP2	VG							
250	15	04 40 00	43.0 N	.6 W	0		8.5	205.4			BCIS
		4 43 50	S	EG			8,5				
		4 44 36	L	EG,N*							
251	15	05 20 37	0.0	101.5 E		0.045	94.5	84.5	6.4		USCGS
		5 34 09	/P/	VG		0,04	94,5				
		5 35 17	/pP/	N*							
		5 43 33	SKS	EG							
		5 44 12	S	EG,N*							
		5 45 29	/SP/	EG							
		5 46 05	/SPP/	EG							
		5 50 45	SS	EG							
252	15	10 51 19	0.5 S	124.0 E		0.020	108.7	66.6	6.3		USCGS
		11 05 29	P	VG		0,01	108,5				
		11 06 09	sP	VG,N*							
		11 09 59	pPKP	VG,EG							
		11 10 03	PP	VG,N*							
		11 16 00	SKS1	VG,EG							
		11 16 35	SKS2	EG							
		11 19 25	PS	EG							
		11 19 55	sSP	EG							
		11 25 09	SS	EG							
		11 29 31	/SSS/	EG							
		11 45	LM	EG							
253	15	12 02 54	43.5 N	16.5 E		0	11.0	126.8	6.0		USCGS
		12 05 37	P	E*,EG		0	11,2				
		12 05 59	PPPP	VG,EG							
		12 07 45	S	E*,N*,EG							
		12 07 58	SS	VG							
		12 08 21	SSSS	N*,EG,Z*							
		12 08,9	LR	E*,EG,VG							
		12 11 32	PCP	EG							
254	15	13 12 10	46.0 N	151.0 E		0	79.4	22.9	6.3		USCGS
		13 24 23	P	VG,Z*,EG		0	78,8				

		13	34	35	SKS	EG					
		13	39	26	SS	EG					
		13	42	46	SSS	EG					
		13	47		L	EG					
		13	55		MR	EG,VG					
255	16	00	38	30	36.0 N	21.7 E	0	19.4	133.2	5.4	BCIS
		43	03		P	VG,EG,E*	0	19,4			
		43	18		PP	N*,VG					
		46	36		S	EG,VG					
		47	09		/SS/	VG,N*					
		49,7			LR	N*,VG					
		50,1			M	N*,EG,E*					
256	16	02	09	39	36.8 N	8.7 W	0	16.8	218.8		BCIS
		2	13	54	PP	VG	0	17,0			
		2	14	00	PPP	VG					
		2	17	09	SS	VG					
		2	17	56	LR	EG					
257	17	01	23	10	54.0 N	35.0 W	0	24.0	293.1		USCGS
		1	28	29	P	N*					
258	19	08	48	57	20.0 S	176.0 W	0.010	149.3	.7		USCGS
		9	08	29	PKP	N*					
259	20	05	33	47	7.5 N	79.5 W	0	80.4	270.0	6.3	USCGS
		5	46	05	P	VG,EG	0	80,8			
		5	49	05	/PP/	N*					
		5	56	13	S	VG,EG					
		6	01	34	SS	EG					
		6	11		L	EG					
		6	15		M	EG					
260	22	11	26	06	18.0 S	169.0 E	0	145.0	26.1		BCIS
		11	45	42	PKP	VG,N*					

261	22	19	40	15	28.0 N	95.0 E	0	69.2	71.0	5.8		BCIS
		19	51	30	P	N*						
		20	16		L	EG						
262	23	13	48	30	15.0 S	68.0 W	0.010	90.7	247.1	6.6		USCGS
		14	01	32	P	Z*,VG,EG	0,01	91				
		14	11	58	SKS	E*,N*,EG						
		14	12	10	S	EG						
		14	13	32	SP	EG						
		14	26,0		SSS	EG						
		14	33,0		LR	EG,VG						
		14	45,0		MR	VG						
263	24	03	50	54	45.5 N	152.0 E	0	80.1	22.5			USCGS
		4	03	37	/P/	N*						
264	24	04	27	33	53.0 N	172.5 E	0	76.1	7.3	6.6		USCGS
		4	39	24	P	N*,VG	0	76,0				
		4	44	08	PPP	VG						
		4	49	10	S	EG						
		4	53	59	SS	EG						
		5	00		LR	EG,VG						
		5	10		MR	EG,VG						
265	25	22	03	28	12.0 S	166.5 E	0.030	138.6	27.0			USCGS
		22	22	33	PKP	N*,E*						
266	28	01	29	43	41.5 N	30.5 E	0	20.3	107.2	4.7		USCGS
		1	34	24	P	EG	0	20,3				
		1	42	25	LM	EG						
267	28	09	49	13	23.5 S	180.0	0.095	152.5	8.7			USCGS
		10	08	14	PKP2	EG						
268	29	03	04	32	54.0 N	160.0 E	0	73.6	14.7	5.0		USCGS

		3 45		L	EG						
269	30	04 24	34	54.0 N	164.0 W	0	75.1	352.9	6.2		USCGS
		4 36	08	P	N*,VG,E*	0	75				
		4 36	22	PCP	N*,VG						
		4 45	47	S	EG						
		4 46	22	PS	EG						
		4 59		L	EG						
		5 07		M	EG						
270	30	05 24	52	41.0 N	126.5 W	0	79.0	324.3	5.8		USCGS
		5 58		L	EG						
		6 10		M	EG						
271	30	18 11	40	54.5 N	35.2 W	0	24.0	294.3			BCIS
		18 23		L	EG						
		18 25		M	EG						
272	02	00 59	17	42.7 N	1.4 W	0	9.0	208.2			BCIS
		1 04,2		M	EG						TRACES
273	03	18 40	57	36.4 N	22.4 E	0	19.4	131.1			BCIS
		18 50		LR	EG						
274	05	14 11,8		200 km au NW de Belgrade							BCIS
		14 18		LR	EG,VG						TRACES
275	06	11 46	35	35.7 N	25.5 E	0	21.4	126.6	5.5		BCIS
		11 51	31	P	VG,E*	0	21,5				
		11 51	55	PP	VG						
		11 52	07	PPP	VG						
		11 55	28	S	VG,N*						
		11 56	12	SS	VG						
		11 56	33	SSS	VG						

		11 58,6		LR		VG					
		12 00,6		MR		VG					
276	06	12 58	45	37.0 N	26.5 E	0	21.0	122.6			USCGS
		13 07	32	S		VG					
		13 11,0		LR		VG					
		13 13,0		MR		VG					
277	07	03 54	18	18.0 S	176.5 W	0.036	147.3	1.5			USCGS
		4 13	36	PKP2	VG	0,034	147				
278	09	17 35	13	3.0 N	129.0 E	0.020	108.7	60.1			USCGS
		18 04	47	PPS	EG						
		18 31		L	EG						
		18 38		M	EG						
279	10	14 04	45	11.5 N	103.5 W	0	92.1	291.0			USCGS
		14 49		L	EG						
		14 56		M	EG						
280	11	02 32	28	16.5 S	178.0 E	0	145.4	10.8	6.3		USCGS
		2 52	13	PKP	VG,EG,N*						
		3 42		L	EG						
		3 51		M	EG						
281	11	09 54	40	14.0 N	91.0 W	0.010	82.6	283.0	6.1		USCGS
		10 17	22	S	EG						
		10 36		L	EG						
		10 45		M	EG						
282	11	15 44	04	17.0 S	169.0 E	0	144.1	25.6	6.0		USCGS
		16 03	48	PKP							
		16 07	34	PKS							F.AG.MI.
		16 54		LM							

283	11	21	03	56		49.5 N	155.0 E	0		77.0	19.1	6.2	USCGS
		21	25	42		S	EG,VG						AG.MI.
		21	40			L	EG						
		21	44			MQ	EG						
		21	50			MR	EG,VG						
284	16	08	37	22		34.0 N	69.5 E	0		49.3	83.7	6.7	USCGS
		8	46	13		P	EG,E*,VG	0		49.5			
		8	47	12		PP	VG						
		8	53	24		S	VG,EG,N*						
		8	53	30		PS	VG,EG						
		8	53	41		PPS	VG,EG,N*						
		8	56	52		SS	EG						
		9	00			L	EG						
		9	09			MR	EG,VG						
285	16	14	23	22		34.0 N	69.5 E	0		49.3	83.7		USCGS
		14	51			L	EG						REP.DU 284
		14	55			M	EG						
286	16	18	07	38		36.2 N	26.2 E	0		21.4	124.3		BCIS
		18	12	26		P	ZG,E*,N*	0		21,5			
		18	16	28		S	EG,VG						
		18	19,5			L	EG						
		18	21,5			MR	EG,VG						
287	19	23	47	44		23.5 N	94.5 E	0.020		72.2	74.6	6.3	USCGS
		23	59	04		P	VG,E*,N*	0,01		72,2			
			8	14		S	EG						
			9	07		PS	EG						
			25			L	EG						
288	20	03	02	32		23.7 S	69.7 W	0		98.6	243.0		BCIS
		3	53			L	EG						
289	20	20	06	09		51.0 N	159.0 E	0		76.3	16.2		USCGS

		20 45		L	EG							
		20 58		M	EG							
290	20	21 52	01	51.5 N	159.5 E	0	75.9	15.7	6.9		USCGS	
		22 03	48	P	VG,Z*,E*	0	75,6					
		22 04	04	PCP	E*,VG							
		22 13	31	S	EG							
		22 30		L	EG							
		22 37,5		M	EG							
291	20	23 03	05	1.0 S	24.0 W	0	57.0	214.5			BCIS	
		23 20	44	S	EG	0	57					
		23 20	57	PS	EG,VG							
		23 27		L	EG							
		23 30,5		M	EG							
292	22	15 54	21	38.0 N	69.0 E	0	46.5	79.9	5.8		USCGS	
		16 20		L	EG						TRACES	
293	22	18 18	19	45.5 N	151.0 E	0	79.8	23.1			USCGS	
		19 03		L	EG							
294	24	06 04	37	15.5 S	173.5 W	0	144.7	356.4	6.0		USCGS	
		6 24	19	PKP	Z*,VG							
		7 16		L	EG							
295	24	07 02	13	22.0 S	175.0 E	0	150.3	17.7			USCGS	
		7 22	22	PKP	VG							
		8 10		L	EG							
		8 21		M	EG							
296	24	10 20	38	34.0 N	69.5 E	0	49.3	83.7	6.2		USCGS	
		10 29	31	P	VG,EG	0	49,5					
		10 30	53	PCP	VG							

		10 36 43		S	EG						
		10 40,2		SS	EG						
		10 44		L	EG						
		10 48		M	EG						
		10 52,0		MR	EG,VG						
297	25	Données insuffisantes									BCIS
		13 36		L	EG						TRACES
298	26	05 04	01	30.5 N	142.0 E	0	90.8	35.6			USCGS
		5 50		L	EG						
		5 57		M	EG						
299	29	09 03	37	7.0 N	94.5 E	0	84.7	85.5	6.3		USCGS
		9 47		L	EG						
		9 58		M	EG						
300	29	21 20	52	37.5 N	141.0 E	0	84.2	33.3	6.2		USCGS
		21 33	21	P	VG,N*	0	84				
		22 03,5		L	EG						
		22 07		M	EG						
301	29	23 20	53	35.5 N	140.0 E	0	85.6	34.9	7.0		USCGS
		23 33	26,0	P	Z*,VG,N*	0,04	85,5				
		23 33	31	PCP	N*,E*,VG						
		23 43	48	SKS	EG						
		4		L	EG						
		7		M	EG						
302	02	00 42	24	50.3 N	7.3 E	0	1.9	103.7			BCIS
		43	23	SN	Z*,N*	0	1,9				
		43	26	SG	E*,VG						
303	02	14 56	26	52.5 N	159.5 E	0	74.9	15.4	6.3		USCGS
		15 08	01	P	N*,VG,Z*	0,01	75				

		15 08 21	pP	VG,N*						
		15 17 23	S	EG,N*						
		15 18 01	sS	EG						
		15 38	M	EG						
304	04		Près de l' Ile Santorin, Mer Egée							BCIS
		2 55 27	P	N*						
305	06	07 29 11	73.0 N	4.5 E	0	22.3	.1			BCIS
		7 34 10	P	VG						
306	06	17 00 14	16.0 S	179.0 W	0.015	145.2	5.7			BCIS
		17 20 31	PKP	N*	0,01	145				
		17 20 45	pPKP							
307	07	19 34 34	19.0 S	177.0 W	0.030	148.2	2.4			USCGS
		19 54 01	PKP	N*	0,01	148				
		19 54 13	pPKP	N*						
308	07	21 27 50	13.0 S	167.0 E	0.010	139.7	26.7			USCGS
		22 40	L	EG						
309	08	14 55 49	20.0 S	174.0 W	0	149.2	357.0	5.5		USCGS
		15 15 42	PKP1	Z*,VG,EG	0	149,5				
		15 15 52	PKP2	VG						
		15 22 38	PPP	EG						
		15 38 35	SS	EG						
		15 44,0	SSS	EG						
		16 17	L	EG						
		16 23	M	EG						
310	09	06 19 37	19.5 S	174.0 W	0	148.7	357.0			USCGS
		7 46	M	EG						

311	09	16	50	56	15.5 N	147.5 E	0	106.5	37.1	5.2		USCGS
		17	47		M	EG						
312	10	15	31	34	28.5 N	78.0 E	0	58.4	82.6	6.4		USCGS
		16	09		M	EG						
313	11	02	24	33	46.0 N	150.5 E	0.010	79.2	23.3	7.3		USCGS
		2	36	32,0	P	N*,VG,Z*	0,011	79,0				
		2	36	41,0	PCP	Z*,EG,VG						
		2	36	59,0	pP	N*,Z*,EG						
		2	37	08,0	sP	EG,VG,N*						
		2	37	18	sPCP	EG,VG,N*						
		2	39	28	PP	EG,VG						
		2	39	57	pPP	EG,Z*,VG						
		2	46	21	S	E*,VG,EG						
		2	46	32	SKS	E*,VG,EG						
		2	46	43	SCS	E*,N*,EG						
		2	47	05	sS	N*,EG,VG						
		2	47	25	SPP	E*,VG						
		2	51	27	SS	EG						
		2	54	49	SSS	EG,Z*						
		2	56,5		LR	EG,E*,N*						
		3	08,0		MR	N*,VG,E*						
314	11	16	48	46	40.5 N	126.5 W	0	79.4	324.1	6.0		USCGS
		17	00	59	P	VG,Z*,E*	0	79,5				
		17	01	07	PCP	VG						
		17	04	00	PP	VG						
		17	11	03	S	EG,E*,N*						
		17	11	20	SCS	EG						
		17	11	47	PS	EG						
		17	16	18	SS	EG						
		17	23,7		L	EG,E*,N*						
		17	30,7		MR	EG,N*,E*						
315	12	02	37	45	15.5 S	75.0 W	0.005	95.3	252.1	6.5		USCGS
		2	51	06	P	EG	0,006	95,9				
		2	51	33	SP	N*,E*						
		2	55	03	PP	EG						
		3	01	31	SKS	EG						
		3	03	46	PS	EG						
		3	20		L	EG						

		3 34		M	EG						
316	12	12 22	46	42.5 N	144.5 E	0	80.8	28.7	6.4		USCGS
		12 35	01	P	VG,EG	0,00	81,0				
		12 45	05	S	EG						
		12 50,4		SS	EG						
		12 55,0		SSS	EG						
		13 00		L	EG						
		13 09		M	EG						
317	13	05 04	40	9.5 N	70.0 W	0	72.8	263.9			USCGS
		5 39		M	EG						
318	13			Probablement Atlantique Nord							BCIS
		7 44		M	EG						TRACES
319	13	15 12	24	49.5 N	156.0 E	0	77.2	18.5			USCGS
		15 56		L	EG,NG						
320	13	18 54	06	5.0 S	149.5 E	0	125.8	44.6			USCGS
		19 55		L	EG,NG						
321	14	21 05	36	38.0 N	141.5 E	0.005	83.9	32.7			USCGS
		21 50		L	EG,NG						
322	15	07 34	54	39.0 N	25.5 E	0	19.0	120.2			BCIS
		7 44		LM	NG,EG						
323	15	07 46	00	11.5 N	126.5 E	0.030	100.2	57.5			USCGS
		8 39		L	EG						
		8 41		M	NG						

324	19	12	00	38	21.0 S	179.0 W	0.100	150.1	6.3	6.0		USCGS
		12	19	22	PKP2	Z*,VG,NG	0,098	150,5				
		12	21	52,0	pPKP2	ZG,VG						
325	19	14	05	34	56.5 S	122.0 W	0	148.4	238.5	6.5		USCGS
		14	25	28	PKP	Z*,NG	0	148,3				
		14	47,9		SS	EG,NG						
		14	53	37	SSS	EG,NG						
		15	08		L	EG,NG						
		15	19		M	EG,NG						
326	19	20	47	33	52.0 N	177.0 E	0	77.4	4.6	6.6		USCGS
		20	59	31	P	E*,Z*,VG	0	77,4				
		21	09	17	S	EG,E*,NG						
		21	09	46	SCS	EG,NG,N*						
		21	10	11	PPS	E*,EG,NG						
		21	25		L	NG,EG						
		21	38		M	N*,EG,NG						
327	19	21	27	47	52.0 N	177.0 E	0	77.4	4.6			USCGS
		21	39	38	P	N*						
328	20	23	58	30	42.5 N	127.0 W	0	77.9	325.4			USCGS
			43		LM	NG,EG						
329	21	08	29	01	2.0 S	13.0 W	0	54.6	201.4			BCIS
		8	38	26	/P/	E*						
330	22	12	35	10	9.5 S	150.0 E	0	130.0	46.7			USCGS
		13	38		L	EG,NG						F.AG.MI.
		13	50		M	EG,NG						
331	23	08	41	22	13.5 N	120.5 E	0.010	95.3	61.3	6.7		USCGS

		8	55	02	pP	VG,NG,N*	0,01	95,3			
		8	58	35	PP	VG,N*					
		9	05	45	S	EG,NG					
		9	22		L	EG					
		9	33		M	EG,NG					
332	23	10	01	48	19.0 S	174.0 W	0	148.2	357.0		USCGS
		11	25		L	EG,NG					
		11	32		M	EG					
333	24	10	59	22	47.5 N	27.5 W	0	21.0	273.4		BCIS
		11	04	16	P	EG,VG	0	21,0			
		11	04	40	PP	VG					
334	24	14	42	10	12.0 N	87.0 W	0	81.7	278.7	7.0	USCGS
		14	54	30	P	EG,VG,Z*	0	82,0			
		14	57	40	PP	VG,EG,E*					
		15	04	40	S	EG					
		15	04	52	SKS	EG,NG					
		15	05	35	PS	NG,EG					
		15	05	58	PPS	EG,NG					
		15	10	10	SS	EG,NG					
		15	20		MR	Z*,E*,N*					
335	25	05	21	40	12.0 N	87.0 W	0	81.7	278.7	6.1	USCGS
		5	33	57	P	VG	0	82			F.AG.MI.
		5	37	16	PP	EG					
		5	45	26	PPS	EG,NG					
		5	58		L	EG,NG					
		6	03		M	EG,NG					
336	26	02	47	00	17.5 S	176.0 E	0	146.1	14.4		BCIS
		3	06	45	PKP2	VG,E*,N*	0	146			
337	26	08	54	46	6.5 S	130.0 E	0.030	117.0	65.0		USCGS
		9	13	07	PKP	N*	0,02	117			
		9	13	47	pPKP	N*					

338	26	22	50	24		14.0 S	167.0 E	0		140.7	27.2	6.5	BCIS
		23	10	00		PKP	N*,EG,NG	0		141			F.AG.MI.
		23	13	13		PP	NG						
		23	17	18		SKS	NG,VG						
		23	31,3			SS	NG,EG						
		23	36,5			SSS	NG,EG						
			2			LM	NG,EG						
339	27	15	33	08		12.0 N	86.0 W	0.030		81.0	277.9	5.8	USCGS
		16	02			L	EG						
		16	16			M	EG,NG						
340	28	03	28	39		32.0 S	179.0 W	0		161.0	8.8	6.8	USCGS
		3	48	43,0		PKP1	N*,VG,Z*	0		161,0			
		3	49	29,0		PKP2	VG,N*,Z*						
		3	53	12		PP	VG,NG						
		3	57	03		PPP	VG						
		4	00	00		SKKS	N*,VG,NG						
		4	13	34		SS	NG,EG						
		4	36			L	EG,NG						
		4	53			M	NG,EG,N*						
341	28	06	42	52		17.0 S	173.0 W	0		146.2	355.4		USCGS
		7	02	33		PKP	VG	0		146			
342	28	10	45	06		14.0 N	123.5 E	0		96.6	58.6	6.7	USCGS
		10	58	48		P	NG						
		11	30			L	EG						
		11	37			M	EG,NG						
343	29	07	34	56		35.5 N	26.0 E	0		21.8	126.1	5.2	BCIS
		7	39	56		PD	NG	0		21,8			
		7	43	32		S	N*						
		7	46			LM	NG,EG						
344	29	16	21	00		66.5 N	17.5 W	0		19.2	333.0	4.7	USCGS

		16 25 36	PD	N*,E*	0	20,3					
		16 26 05	PPP	N*,VG,E*							
		16 29 19	S	NG,E*,N*							
		16 31	LM	EG,NG							
345	29	22 33 49	22.0 S	177.0 W	0.030	151.2	2.6				USCGS
		22 53 20	PKP	N*	0,025	151					
		22 54 10	pPKP	N*							
346	30	00 11 03	66.5 N	17.5 W	0	19.2	333.0	5.0			USCGS
		15 40	P	ZG,EG,E*	0	20					
		19 20	S	EG,NG							
		20	LM	EG,NG							
347	31	14 03 44	27.2 N	54.5 E	0	44.5	102.6	6.8			BCIS
		14 11 57	P	NG,VG,N*	0	44,5					
		14 13 40,0	PP	ZG,N*,NG							
		14 18 30	S	E*,NG,EG							
		14 18 46,0	PPS	EG,E*,N*							
		14 28	L	EG,NG							
		14 33	M	EG,NG							
348	31	14 22 19	27.2 N	54.5 E	0	44.5	102.6				USCGS
		14 30 37	P	VG,EG,ZG	0	44,8					
		14 37 15	S	NG,N*							
349	01	05 52 34	27.5 N	54.0 E	0	43.9	102.7				USCGS
		6 21	LM								TRACES
350	02	16 04 33	39.5 N	23.0 E	0	17.3	123.6	5.7			BCIS
		16 08 58	PP	VG	0	17,3					
		16 11 54	S	N*							
		16 14,0	MR	Z*,E*,N*							
351	02	Données discordantes									BCIS

		17 35		LM	EG,NG						
352	04	07 05	43	22.0 S	175.0 W	0.005	151.2	358.8	6.5		USCGS
		7 25	38	PKP2	Z*,N*,VG	0,004	151,5				
		7 25	54	pPKP2	VG,N*						
		7 29	15	PP	VG						
		8 19		L	EG,NG						
		8 28		M	NG,EG						
		8 34		M	EG,NG						
353	05	19 45	25	46.5 N	13.0 E	0	7.1	123.6	4.9		BCIS
		19 49	16	SG	N*,E*,VG	0	7,0				
		19 49	29	SGSG	N*,VG,NG						
354	06	14 12	35	5.5 S	134.0 E	0	118.5	60.7			USCGS
		15 29		L	NG						
355	08	06 50	24	18.0 S	178.0 W	0.080	147.2	4.1			BCIS
		7 09	16	PKP1	VG,N*	0,07	147,0				
		7 09	23	PKP2	VG						
		7 11	16	pPKP1	VG						
356	08	15 44	50	9.0 N	126.0 E	0	102.0	59.3			USCGS
		16 37		LM	EG,NG						
357	09	06 01	51	36.0 N	34.5 W	0	31.5	257.1			USCGS
		6 08	18	P	E*,VG,EG	0	31,5				F.AG.MI.
		6 17		M	EG,NG						
358	09	13 06	10	17.0 N	94.0 W	0.020	82.2	287.1	6.3		USCGS
		13 18	22,0	P	ZG,VG,N*	0,018	83,0				F.AG.MI.
		13 18	25,0	PCP	N*,E*,NG						
		13 19	02	pP	NG,N*,E*						
		13 19	15	sP	N*,NG,VG						

		13 21 31	PP	E*,EG,N*						
		13 28 24,0	S	E*,N*,EG						
		13 29 26	sS	EG,NG						
		13 29 34	SS	E*,NG,VG						
		13 30 05	PPS	EG						
		13 40	L	NG						
		13 52	M	EG						
359	10	14 39 56	16.0 N	121.0 E	0	93.5	59.5	6.0		USCGS
		14 53 14	P	ZG,VG,N*	0	93,5				
		15 28	LM	EG,NG						
360	11	19 15 20	44.0 N	149.0 E	0	80.7	25.0	5.5		USCGS
		19 27 35	P	VG,EG,N*						
		20 02	LM	EG						
361	12	10 40 09	Côte E de l'Espagne							BCIS
		10 46	LM	VG						TRACES
362	12		Crête médiane de l'Atlantique							BCIS
		11 35	M	EG,NG						
363	13	07 04 58	21.5 S	174.0 E	0	149.6	19.3			USCGS
		8 01 01	PKP2	VG,EG		150				
		9 20	L	EG						
364	13	09 55 29	49.5 S	124.0 E	0	142.2	112.3			USCGS
		11 13	LM	EG,NG						
365	14	00 51 27	36.5 N	71.0 E	0.020	48.7	80.1			USCGS
		1 00 05	P	EG,VG,E*	0,01	48,6				
		1 00 34	sp	VG,E*						
		1 02 00	PP	EG,VG						
		1 07 01	S	VG,EG,NG						

		1 07 40		eS	EG,NG							
		1 10 27		SS	EG							
		1 11 02		eSS	EG,NG							
		1 15		L	EG,NG							
		1 22		M	EG							
366	15	17 27 55		3.0 S	103.5 W	0		103.6	282.1			USCGS
		18 20		LM	EG							TRACES
367	16	11 53 54		8.5 N	71.0 W	0		74.2	264.0			USCGS
		12 32		L	EG,NG							
		12 36		M	EG,NG							
368	17	19 15 06		27.5 N	126.0 E	0.020		86.6	49.2			USCGS
		20 04		L	EG,NG							
		20 13		M	EG,NG							
369	17	20 27 15		54.5 N	134.0 W	0		69.4	335.5	6.4		USCGS
		20 38 33		P	VG,NG,E*	0		69,5				
		20 38 56		PCP	VG,NG,N*							
		20 47 38		S	NG,EG							
		20 48 05		PS	EG,NG							
		20 52,1		SS	NG,EG							
		20 59		L	EG,NG							
		21 07		M	EG,NG							
370	18	05 19 26		40.0 N	76.5 E	0		49.9	72.9	5.0		USCGS
		5 46		L	EG,NG							
		5 50		M	EG,NG							
371	18	18 16 25		27.0 S	176.0 W	0		156.2	.8			USCGS
		19 37		L	EG							
		19 46		M	EG,NG							
372	18	21 22 38		28.5 N	129.5 E	0		87.4	46.1			USCGS

		22 09		L	EG,NG					
		22 18		M	EG,NG					
373	19	12 07	26	14.0 N	144.0 E	0.020	106.5	40.9		USCGS
		12 57		LM	EG,NG					
374	20	23 20	52	39.5 N	25.5 E	0	18.6	119.1	5.5	USCGS
		23 31,0		L	EG,NG					
		23 31,5		MR	VG,E*,N*					
375	21	07 33	28	38.0 N	142.0 E	0.005	84.1	32.3	6.2	USCGS
		7 45	57	P	VG,NG	0,005	84			
		7 46	10	p P	Z*,VG					
		8 15		L	EG,NG					
		8 22		M	EG,NG					
376	25	15 19	03	60.0 N	30.0 W	0	21.3	308.8		BCIS
		15 23	56	P	E*,N*,VG	0	21,3			F.AG.MI.
		15 24	20	PP	E*					
		15 30		L	EG,NG					
		15 31,7		M	NG					
377	26	03 53	00	42.7 N	13.5 E	0	10.2	138.8		BCIS
		3 55	32	P	E*,N*		10			
378	26			Données insuffisantes						BCIS
		05 37	42	VG						
379	26	23 29	41	21.7 S	169.2 E	0	148.6	27.8	7.0	USCGS
		23 49	31	PKP1	Z*,E*	0,016	149			
		23 49	43	PKP2	E*,N*					
		23 50	04	p PKP1	E*,N*					
380	27	00 51	46	21.0 S	168.5 E	0	147.7	28.6	6.0	BCIS
		1 11	37	PKP	Z*,N*					FAIBLE

381	28	19	27	15		49.2 N	155.0 E	0,005	77.2	19.2	6.7	BCIS
		19	39	10	P	N*,E*		0,005	77,5			
		19	39	28	pP	N*,E*						
		19	39	39	sP	N*,E*						
382	29	09	15	20		27.2 N	141,5 E	0	93.6	37.4		BCIS
		9	28	39	P	VG,NG		C	93,5			
		9	32	01	PP	NG						
		9	39	40	S	NG,VG						
		9	40	52	PS	NG						
		10	07		L	NG						
		10	06,5		M	NG,N*						
383	03	07	20	09		53.0 N	169.0 W	0	76.4	355.9	6.5	USCGS
		7	32	03	P	VG,NG,N*						
		8	10		LM	NG						
384	04	08	44	26		50.0 N	156.0 E	0	76.7	18.3		BCIS
		8	56	23	P	VG						FAIBLE
		9	30		L	NG						
		9	34		M	NG						
385	04	10	42	10		53.0 N	169.0 W	0	76.4	355.9		USCGS
		10	54	02	P	VG						FAIBLE
		11	22		L	NG						
		11	32		M	NG						
386	04	20	59	52		26.0 N	127.0 E	0.011	88.3	49.3		USCGS
		21	48		LM	NG						
387	04	23	01	32		15.0 N	92.5 W	0.011	82.8	284.7	6.0	BCIS
		23	37		L	NG						
		23	44		M	NG						

388	08	16	10	26	51.7 N	179.0 W	0	77.8	2.1	6.5		BCIS
		16	22	28	P	NG	0	77,8				
		16	22	40	PCP	E*,NG,N*						
		16	32	34	SKS	NG						
		16	33	15	PPS	NG						
		16	37,6		SS	NG						
		16	48		L	NG						
		16	53		M	NG						
389	16	01	41	51	6.7 N	77.5 W	0	79.7	267.9	6.3		BCIS
		1	54	12	PCP	VG,NG,E*						
390	18	02	31	00	25.5 S	68.5 W	0	99.3	241.0	7.0		BCIS
		2	55	33	SKS	E*,N*,	0	100				
		2	55	51	SKKS	N*,E*,NG						
		3	10		L	NG						
		3	21		M	NG						
391	18	17	53	02	31.5 N	35.2 E	0	29.9	118.4	5.7		BCIS
		17	59	13	P	ZG,E*,Z*	0	30				
		18	10		L	NG						
		18	12		M	NG						
392	18	19	20	06	36.0 S	77.0 E	0	107.4	125.8	5.7		USCGS
		20	26		LM	NG						
393	21	08	58	53	51.0 N	131.0 W	0	71.7	332.1	6.7		USCGS
		9	10	22	P	Z*,N*,VG	0	72,0				
		9	10	38	PCP	NG,N*						
		9	13	03	PP	NG						
		9	14	46	PPP	NG						
		9	19	39	S	E*,NG,N*						
		9	20	12	PS	NG						
		9	24,2		SS	NG,N*						
		9	33		L	NG						
		9	38,5		MR	Z*,N*,NG						
394	21	20	10	06	34.0 N	139.0 E	0	86.6	36.3	6.5		USCGS

		20 12 54	P	ZG,VG,N*	0	86,6			FAIBLE
		20 57	L	NG					
		20 59	M	NG					
395	22	22 38 12	29.5 S	177.0 W	0	158.7	3.3		USCGS
		22 58 48	PKP2	N*	0	158,5			FAIBLE
396	22	23 12 35	33.5 N	139.0 E	0	87.0	36.5	6.7	USCGS
		1,5	M	N*,E*					
397	25	04 29 49	20.0 S	176.0 W	0.030	149.3	.7		USCGS
		4 49 25	PKP	N*,E*	0,02	149,0			
398	25	09 33 36	48.2 N	27.7 W	0	20.9	275.4	6.2	BCIS
		9 38 21,0	P	ZG,Z*,VG	0	20,5			
		9 38 36,0	PP	Z*,VG,E*					
		9 38 48,0	PPP	Z*,VG,NG					
		9 42 02,0	S	E*,N*,NG					
		9 42 31,0	SS	N*,E*,NG					
		9 44,5	MR	Z*,E*,NG					
399	27	00 14 15	24.0 S	177.0 W	0.045	153.2	2.8	7.2	USCGS
		33 48,0	PKP2	Z*,E*,N*	0,04	153			
		34 46,0	pPKP1	E*,N*					
		37 25,0	PP	E*,N*					
400	29	20 22 12	21.0 S	175.5 W	0	150.3	359.7	6.5	USCGS
		20 42 03	PKP1	VG,N*	0	150,3			
		20 42 20	PKP2	VG,N*					
		21 51	L	NG					
		21 55	LM	NG					
401	30	21 59 06	24.0 N	94.5 E	0	71.9	74.2	5.0	USCGS
		22 10 28	P	E*,N*	0	72,0			

402	31	04	42	29		72.0 N		16.5 E	0		22.0	10.1	USCGS
			4	47	16	P		N*		0	21		