

**BOLETIM
SISMOLÓGICO
PRELIMINAR
DO CONTINENTE E
MADEIRA**

Boletim Sismológico Preliminar do Continente e Madeira
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Divisão de Geofísica

BOLETIM SISMOLÓGICO PRELIMINAR DO CONTINENTE E DA MADEIRA

JANEIRO DE 2018

LEGENDA

Est	Código da estação
P	Polaridade do 1º movimento da P (c - compressão / d - dilatação)
Fase	e - Emersus / i - Impetus, seguido da descrição da fase
h:m:s	Hora, minuto e segundo (tempo de chegada)
Dur	Duração em segundos (medida na componente vertical)
Amp	Amplitude máxima (μm) medida na componente vertical - (Z)
Per	Período (seg) correspondente a Amp
Co	Instrumento e componente (código SEED simplificado [ac] - ver página seguinte)
Lat	Latitude epicentral
Lon	Longitude epicentral
Prof	Profundidade em km (* - fixada pelo Geofísico)
Ho	Hora na origem (formato hh:mm:ss.s)
Mag	Magnitude: local (ML, ml); duração (MD, md); MB - ondas P; MS - ondas superficiais; MW - magnitude momento sísmico
Rms	Erro médio quadrático
AxMax	Semi-eixo maior da elipse de confiança (90%), em km
AxMin	Semi-eixo menor da elipse de confiança (90%), em km
ErrZ	Erro da profundidade focal (90%), em km
Ang	Azimute do eixo maior da elipse de confiança (°)
Região	Região epicentral
Int	Intensidade máxima (Escala Mercalli Modificada, 1956)
#	Erro no relógio

nota: hipocentros e estimativas de erro calculados com o programa *hypocent* (Lienert, B.; Berg, E.; Frazer, N., (1986), *Hypocenter: An Earthquake Location Method Using Centered, Scaled, and Adaptively Damped Least Squares*, Bull. Seism. Soc. Amer., Vol. 76, No. 3, pp 771-783)

Lista de Estações

Estação	Local	Sensor/Dinam	Canais	Latitude	Longitude	Alt	Org
PGAV	Gavieira	CMG-3ESPc/ 24 bits	HH*,BH*,LH*	41° 57.92'N	08°16.19 'W	1084 m	IPMA
PBRG	Bragança	CMG-3ESPc/ 24 bits	HH*,BH*,LH*	41° 48.29'N	06° 44.48'W	691 m	IPMA
PCAB	Cabril	LE3D-5s/ 24 bits	EH*, SH*	41° 42.61'N	08° 01.62'W	577 m	IPMA
POLO	Lamas de Olo	CMG-3ESPc/ 24 bits	HH*,BH*,LH*	41° 22.43'N	07°47.25 'W	1060 m	IPMA
PVRL	Vila Real	LE3D-5s/ 20 bits	SH*	41° 16.53'N	07° 42.97'W	660 m	IPMA
MVO	Moncorvo	CMG-3T/ 24 bits	HH*,BH*,LH*	41° 09.87'N	07° 01.73'W	550 m	IPMA
PTO	Porto	LE3D-1s/ 20 bits	SH*	41° 08.31'N	08° 36.13'W	88 m	IPMA
PVIS	Viseu	LE3D-5s/ 24 bits	EH*,SH*	40° 42.94'N	07° 53.68'W	720 m	IPMA
MTE	Manteigas	STS2/ 24 bits	HH*,BH*,LH*	40° 24.20'N	07° 31.20'W	815 m	IPMA/GEOFON
COI	Coimbra	STS2/ 24bits	HH*,BH*,LH*	40° 12.48'N	08° 24.74'W	140 m	IGUC
PCAS	Casmilo	CMG-3T/ 24 bits	HH*,BH*,LH*	40° 03.17'N	08° 29.90'W	343 m	IPMA
PCBR	Castelo Branco	LE3D-5s/ 24 bits	EH*,SH*	39° 50.42'N	07° 28.65'W	380 m	IPMA
PSBE	São Bento	CMG-3ESPc/ 24 bits	HH*,BH*,LH*	39° 30.85'N	08° 47.73'W	510 m	IPMA
PMRV	Marvão	CMG-3ESPc/ 24 bits	HH*,BH*,LH*	39° 25.70'N	07° 23.50'W	430 m	IPMA
ALMR	Almeirim	L43D-1s/ 16 bits	EH*	39° 09.33'N	08° 34.61'W	165 m	IGIDL
PMTG	Montargil	CMG-3ESPc/ 24 bits	HH*,BH*,LH*	39° 04.14'N	08°13.52 'W	190 m	IPMA
PAZA	Azambuja	CMG-40T/ 24 bits	BH*	38° 04.49'N	08° 54.42'W	51 m	IST
PMAFR	Tapada de Mafra	STS2/ 24 bits	HH*,BH*,LH*	38° 57.32'N	09° 16.96'W	329 m	IPMA
PESTR	Estremoz	CMG-3T/ 24 bits	HH*,BH*,LH*	38° 52.03'N	07° 35.41'W	410 m	IPMA
INMG	Lisboa	CMG-5T/ 24 bits	HN*	38° 46.46'N	09° 07.54'W	93 m	IPMA
PACT	Alcochete	CMG-40T/ 24 bits	BH*	38° 46.08'N	08° 50.00'W	30 m	IST
PMST	Monsanto	CMG-40T/ 24 bits	BH*	38° 44.21'N	09° 11.00'W	172 m	IST
GGNV	Lisboa	CMG-40T/ 16 bits	BH*	38° 42.99'N	09° 08.95'W	77 m	IGIDL
MOE	Montemor	S13/ 12 bits	EH*	38° 32.11'N	08° 21.20'W	120 m	IPMA
EVO	Évora	STS2/ 24 bits	HH*,BH*,LH*	38° 31.92'N	08° 00.78'W	235 m	UE
PSES	Sesimbra	CMG-40T/ 24 bits	HH*,BH*	38° 26.27'N	09° 07.18'W	87 m	IST
PBAR	Barrancos	CMG-3ESPc/ 24 bits	HH*,BH*,LH*	38° 10.47'N	07° 02.34'W	205 m	IPMA
PNCL	Nicolau	CMG-3ESPc/ 24 bits	HH*,BH*,LH*	38° 06.71'N	08°31.74 'W	120 m	IPMA
PBEJ	Beja	LE3D-5s/ 24 bits	EH*,SH*	38° 01.58'N	07° 51.98'W	270 m	IPMA
MESJ	Messejana	STS2/ 24 bits	HH*,BH*	37° 50.37'N	08° 13.19'W	250 m	IGIDL
PCVE	Castro Verde	CMG-3ESPc/ 24 bits	HH*,BH*,LH*	37° 37.97'N	08°02.34 'W	225 m	IPMA
PTEO	São Teotónio	LE3D-5s/ 24 bits	EH*,SH*	37° 32.73'N	08° 43.45'W	119 m	IPMA
PVAQ	Vaqueiros	CMG-3ESPc/ 24 bits	HH*,BH*,LH*	37° 24.22'N	07°43.04 'W	200 m	IPMA
MORF	Marmelete	CMG-40T/ 24 bits	HH*,BH*,LH*	37° 18.38'N	08° 39.05'W	650 m	IGIDL
PBDV	Barranco do Velho	CMG-3T/ 24 bits	HH*,BH*,LH*	37° 14.58'N	07° 55.87'W	471 m	IPMA
PFVI	Vila do Bispo	CMG-3ESPc/ 24 bits	HH*,BH*,LH*	37° 07.97'N	08° 49.61'W	189 m	IPMA
PMPs	Porto Santo	LE3D-5s/ 20 bits	SH*	33° 03.42'N	16° 19.98'W	47 m	IPMA
PMPST	Porto Santo	CMG-3ESPc/ 24 bits	HH*,BH*,LH*	33° 04.73'N	16° 20.00'W	242 m	IPMA
PMOZ	Porto Moniz	CMG-3ESPc/ 24 bits	HH*,BH*,LH*	32° 49.38'N	17° 11.83'W	1027 m	IPMA
PMAR	Madeira	CMG-3T/ 24 bits	HH*,BH*,LH*	32° 43.42'N	16° 54.82'W	1605 m	IPMA
FUL	Funchal	LE3D-1s/ 20 bits	SH*	32° 38.86'N	16° 53.53'W	58 m	IPMA

PTAV	Tavira	AC-xx/ 22 bits	HN*	37° 07.51'N	07° 39.28'W	25 m	IST/IPMA
PFARO	Faro	AC-xx/ 22 bits	HN*	37° 01.55'N	07° 55.34'W	18 m	IST/IPMA
PSVI	Sagres	AC-xx/ 22 bits	HN*	37° 00.72'N	08° 56.98'W	61 m	IST/IPMA
PPOR	Portimão	AC-xx/ 22bits	HN*	37° 07.99'N	08° 32.01'W	3 m	IST/IPMA
PALJ	Aljezur	AC-xx/ 22bits	HN*	37° 19.10'N	08° 47.88'W	24 m	IST/IPMA
PLAGO	Lagos	AC-xx/ 22 bits	HN*	37° 05.75'N	08° 41.27'W	50 m	IST/IPMA
PALBU	Albufeira	AC-xx/ 22 bits	HN*	37° 05.75'N	08° 14.91'W	84 m	IST/IPMA
PSETU	Setúbal	AC-xx/ 22 bits	HN*	38° 32.23'N	08° 52.01'W	48 m	IST/IPMA
PVERD	Verdizela	AC-xx/ 22 bits	HN*	38° 34.94'N	09° 09.38'W	71 m	IST/IPMA
PBEN	Benavente	AC-xx/ 22 bits	HN*	38° 56.97'N	08° 49.59'W	42 m	IST/IPMA
PSANT	Santarém	AC-xx/ 22 bits	HN*	39° 14.53'N	08° 41.57'W	131 m	IST/IPMA
PCASC	Cascais	AC-xx/22 bits	HN*	38° 46.36'N	09° 29.14'W	229 m	IST/IPMA
PSINE	Sines	AC-xx/22 bits	HN*	37° 57.48'N	08° 51.75'W	50 m	IST/IPMA
PVFX	Vila Franca de Xira	AC-xx/22 bits	HN*	38° 57.17'N	08° 59.35'W	9 m	IST/IPMA
PCDRA	Caldas da Rainha	AC-xx/22 bits	HN*	39° 24.61'N	09° 08.19'W	56 m	IST/IPMA

Sensores: LE3D - Lennartz LE3D, 1 e 5 seg; AC-xx - Geosig; CMG-5T - Guralp 5T
CMG-40T - Guralp CMG-40T, 30 seg; STS2 - Streckheisen STS-2, 120 seg; CMG-3T - Guralp
CMG-3T, 120 seg; CMG-3ESPc - Guralp CMG-3ESP Compact, 120 seg

Dinam: Dinâmica do registo (nota: [&] – registo analógico)

Canais: Códigos SEED [abc]: a - banda (E - extremely short period; S - short period; H - high broadband;
B - broadband; L - long period);
b - sensibilidade do sensor (H- alto ganho; L- baixo ganho; N- strong-motions;
c - componentes (Z-Vertical; * - Vertical, Norte - Sul e Este - Oeste)

IPMA - Instituto Português do Mar e da Atmosfera
IGIDL - Instituto Geofísico da Universidade de Lisboa
IGUC - Instituto Geofísico da Universidade de Coimbra
IGUL - Instituto Geofísico da Universidade de Lisboa
GEOFON - Rede Sismográfica Broadband, Potsdam
UE - Universidade de Évora
IST - Instituto Superior Técnico

Listagem de Hipocentros dos Sismos Próximos

Data	Hora	Lat	Lon	Prof	Mag	Região	Rms	Int
01-01-2018	01:49:39.5	36.802°N	07.433°W	28	1.3 ml	Golfo de Cádiz	0.3	
01-01-2018	08:32:35.0	36.746°N	10.436°W	23*	2.1 ml	Gorringe	0.4	
01-01-2018	10:16:24.2	36.977°N	08.386°W	16	1.4 ml	SW Albufeira	0.3	
01-01-2018	16:35:15.9	35.354°N	03.973°W	2*	1.9 ml	NW Al Hoceima (MARR)	0.4	
02-01-2018	07:45:05.5	36.581°N	07.555°W	36*	1.8 ml	Golfo de Cádiz	0.4	
02-01-2018	10:18:17.4	36.273°N	08.111°W	31*	1.8 ml	SW Faro	0.4	
02-01-2018	12:56:08.7	36.613°N	07.127°W	17	1.7 ml	Golfo de Cádiz	0.4	
02-01-2018	19:34:48.5	35.767°N	10.074°W	38*	1.7 ml	Mar de Marrocos	0.4	
02-01-2018	20:59:39.6	36.408°N	02.534°E	8*	3.6 ml	N Argélia (ALG)	0.5	
03-01-2018	14:54:53.6	36.606°N	11.175°W	36*	1.8 ml	Gorringe	0.3	
03-01-2018	19:08:29.6	37.336°N	08.493°W	6*	0.6 ml	NE Monchique	0.4	
04-01-2018	02:45:31.3	36.863°N	08.541°W	17	0.8 ml	SE Lagos	0.3	
04-01-2018	06:28:08.6	39.004°N	13.137°W	57	2.2 ml	Tore	0.4	
04-01-2018	20:23:41.8	36.271°N	11.533°W	25	1.9 ml	Gorringe	0.3	
04-01-2018	23:53:07.7	36.695°N	08.743°W	6	1.0 ml	SE Cabo S.Vicente	0.3	
05-01-2018	00:22:10.9	40.950°N	08.142°W	0	1.0 ml	NE Arouca	0.1	
05-01-2018	00:35:46.3	37.326°N	08.614°W	14	0.3 ml	NW Monchique	0.3	
05-01-2018	03:56:44.4	37.210°N	09.043°W	29	0.8 ml	NW Vila do Bispo	0.1	
05-01-2018	15:20:54.5	35.648°N	03.623°W	10	2.2 ml	Alboran	0.3	
05-01-2018	20:30:27.9	37.490°N	08.742°W	8	3.6 ml	SW Odemira	0.3	III/IV
06-01-2018	13:57:01.4	36.564°N	08.420°W	22	1.6 ml	SW Albufeira	0.3	
06-01-2018	16:52:43.1	38.432°N	04.592°W	0*	1.9 ml	NE Cordova (ESP)	0.3	
07-01-2018	02:14:20.8	38.869°N	07.707°W	17	0.7 ml	S Sousel	0.2	
07-01-2018	04:50:07.6	36.713°N	07.443°W	21	1.7 ml	Golfo de Cádiz	0.3	
07-01-2018	12:05:57.5	31.429°N	08.422°W	5*	2.8 ml	Morocco	0.4	
08-01-2018	00:35:37.4	43.579°N	16.332°W	16*	2.5 ml	Abissal Ibérica	0.4	
08-01-2018	06:55:40.5	35.503°N	07.867°W	0*	1.7 ml	Alboran	0.3	
08-01-2018	06:59:21.0	35.434°N	03.779°W	2*	2.2 ml	NE Al Hoceima (MARR)	0.4	
08-01-2018	15:37:49.1	36.631°N	07.112°W	17	1.2 ml	Golfo de Cádiz	0.1	
08-01-2018	16:20:12.3	36.343°N	02.553°E	11*	2.9 ml	N Argélia (ALG)	0.5	
08-01-2018	18:42:15.1	39.759°N	03.802°W	11	1.8 ml	SE Toledo (ESP)	0.5	
08-01-2018	19:00:06.1	36.610°N	04.604°W	72	2.2 ml	SW Malaga (ESP)	0.4	
08-01-2018	20:08:35.2	36.519°N	09.724°W	16	1.5 ml	SW Cabo S.Vicente	0.3	
08-01-2018	23:03:21.9	37.255°N	07.869°W	5*	1.2 ml	N S.Brás de Alportel	0.3	
09-01-2018	03:58:27.1	37.889°N	09.700°W	1*	1.3 ml	W Sines	0.3	
09-01-2018	10:34:48.5	39.525°N	08.933°W	6	1.8 ml	SE Alcobaça	0.4	
09-01-2018	13:21:39.3	37.987°N	01.405°W	13	3.0 ml	W Murcia (ESP)	0.4	
09-01-2018	15:45:34.4	37.989°N	01.409°W	17	2.8 ml	W Murcia (ESP)	0.4	
09-01-2018	23:03:35.9	36.954°N	08.378°W	13	1.0 ml	SW Albufeira	0.3	
10-01-2018	04:43:37.9	36.476°N	09.842°W	31	1.9 ml	SW Cabo S.Vicente	0.3	
10-01-2018	05:05:58.8	38.747°N	08.136°W	10	1.2 ml	NW Arraiolos	0.2	
10-01-2018	07:31:04.2	43.711°N	14.482°W	10*	3.1 ml	Abissal Ibérica	0.4	
10-01-2018	10:49:46.1	35.019°N	04.988°W	31	2.0 ml	SE Tetuan (MARR)	0.3	
10-01-2018	12:04:36.9	36.813°N	08.225°W	18	1.7 ml	S Albufeira	0.2	
10-01-2018	18:05:40.0	36.063°N	08.007°W	31	2.5 ml	S Faro	0.3	
11-01-2018	07:39:11.0	42.178°N	06.724°W	4	1.9 ml	N Bragança	0.5	
11-01-2018	09:21:31.3	36.776°N	06.927°W	32	1.9 ml	Golfo de Cádiz	0.3	
11-01-2018	18:25:56.8	36.433°N	09.887°W	31*	1.7 ml	SW Cabo S.Vicente	0.4	
11-01-2018	21:42:37.9	37.657°N	04.224°W	20	1.8 ml	SE Cordova (ESP)	0.3	
12-01-2018	00:17:12.5	36.855°N	10.892°W	31*	1.7 ml	Gorringe	0.5	
12-01-2018	05:55:50.9	36.862°N	11.004°W	31	2.3 ml	Gorringe	0.4	
12-01-2018	10:44:19.7	36.927°N	13.522°W	10*	2.3 ml	Josephine	0.5	
12-01-2018	19:04:52.2	41.203°N	08.029°W	25	1.3 ml	N Baião	0.6	
12-01-2018	23:38:55.5	36.746°N	04.983°W	21	1.4 ml	W Malaga (ESP)	0.7	
13-01-2018	03:08:25.2	41.280°N	08.054°W	7	0.7 ml	NE Amarante	0.1	
13-01-2018	06:36:38.1	38.646°N	07.520°W	6*	0.8 ml	NE Redondo	0.3	
13-01-2018	10:31:49.6	38.443°N	07.856°W	15	1.6 ml	SE Evora	0.3	
13-01-2018	20:28:31.9	42.249°N	08.442°W	16	1.4 ml	NE Monção	0.2	
13-01-2018	20:50:34.1	35.437°N	03.769°W	11*	2.3 ml	NE Al Hoceima (MARR)	0.4	
14-01-2018	00:46:25.3	37.008°N	13.655°W	25*	2.3 ml	Josephine	0.5	
14-01-2018	05:43:16.2	35.676°N	04.715°W	39*	1.8 ml	Alboran	0.2	
14-01-2018	13:55:30.7	36.623°N	07.958°W	26	1.5 ml	Golfo de Cádiz	0.4	
14-01-2018	16:46:06.7	37.271°N	07.864°W	1*	0.9 ml	N S.Brás de Alportel	0.3	
14-01-2018	20:31:35.0	41.481°N	07.072°W	10*	0.5 ml	E Mirandela	0.3	
15-01-2018	00:07:37.2	36.782°N	08.429°W	3*	1.9 ml	SW Albufeira	0.4	

15-01-2018	01:25:47.3	31.454°N	07.545°W	24	2.3 ml	Morocco	0.4	
15-01-2018	11:51:40.2	38.792°N	07.932°W	11	4.9 ml	NE Arraiolos	0.4	V/VI
15-01-2018	11:55:15.6	38.783°N	07.945°W	2*	2.3 ml	NE Arraiolos	0.3	
15-01-2018	11:56:56.0	38.776°N	07.942°W	5	1.8 ml	NE Arraiolos	0.4	
15-01-2018	11:58:59.3	38.778°N	07.948°W	2*	1.5 ml	NE Arraiolos	0.4	
15-01-2018	12:01:21.2	38.784°N	07.952°W	3*	1.5 ml	NE Arraiolos	0.4	
15-01-2018	12:15:19.2	38.775°N	07.951°W	5	1.7 ml	NE Arraiolos	0.4	
15-01-2018	12:28:54.2	38.776°N	07.954°W	5*	1.2 ml	NE Arraiolos	0.4	
15-01-2018	18:59:36.1	38.737°N	07.865°W	14	1.1 ml	E Arraiolos	0.4	
15-01-2018	19:47:52.6	38.784°N	07.963°W	1*	1.3 ml	NE Arraiolos	0.4	
15-01-2018	21:54:43.2	35.387°N	03.637°W	36*	1.9 ml	NE Al Hoceima (MARR)	0.4	
16-01-2018	00:33:42.0	37.310°N	08.514°W	8	0.8 ml	E Monchique	0.2	
16-01-2018	00:40:37.4	36.830°N	05.662°W	11	1.6 ml	SE Sevilha (ESP)	0.3	
16-01-2018	01:51:58.5	38.779°N	07.956°W	3	1.0 ml	NE Arraiolos	0.3	
16-01-2018	02:04:59.5	38.777°N	07.956°W	3	1.8 ml	NE Arraiolos	0.3	
16-01-2018	02:08:24.8	38.776°N	07.962°W	15	0.5 ml	NE Arraiolos	0.1	
16-01-2018	04:21:34.3	38.794°N	07.960°W	3	0.5 ml	NE Arraiolos	0.2	
16-01-2018	05:10:46.2	37.341°N	08.554°W	16	1.2 ml	NE Monchique	0.3	
16-01-2018	07:47:17.0	37.293°N	08.642°W	11	0.7 ml	SW Monchique	0.1	
16-01-2018	09:12:46.7	36.477°N	09.927°W	34	1.9 ml	SW Cabo S.Vicente	0.4	
16-01-2018	12:14:21.4	37.867°N	03.235°W	14	2.2 ml	NW Almeria (ESP)	0.4	
16-01-2018	19:18:07.6	37.811°N	08.238°W	6	0.7 ml	SW Aljustrel	0.3	
16-01-2018	21:05:28.6	35.658°N	03.697°W	3	2.6 ml	Alboran	0.4	
17-01-2018	00:57:19.7	35.420°N	03.729°W	5	2.3 ml	NE Al Hoceima (MARR)	0.4	
17-01-2018	06:35:43.8	38.784°N	07.963°W	2	1.4 ml	NE Arraiolos	0.3	
17-01-2018	15:10:36.9	38.501°N	07.454°W	6	1.4 ml	NE Reguengos de Monsaráz	0.3	
18-01-2018	10:59:12.6	35.732°N	03.590°W	19	2.2 ml	Alboran	0.4	
18-01-2018	11:43:04.3	36.253°N	07.622°W	4	2.5 ml	Golfo de Cádiz	0.3	
19-01-2018	04:40:58.7	35.667°N	04.753°W	73	2.5 ml	Alboran	0.3	
19-01-2018	06:43:22.1	37.319°N	08.542°W	14	1.2 ml	NE Monchique	0.2	
19-01-2018	09:47:04.4	36.548°N	09.893°W	38*	1.7 ml	SW Cabo S.Vicente	0.3	
19-01-2018	13:49:16.0	36.550°N	09.791°W	17*	1.8 ml	SW Cabo S.Vicente	0.3	
19-01-2018	17:31:11.4	36.462°N	09.031°W	16	1.9 ml	SW Cabo S.Vicente	0.3	
19-01-2018	18:48:45.7	35.507°N	03.667°W	10*	2.4 ml	Alboran	0.4	
19-01-2018	19:04:31.0	36.803°N	08.396°W	5*	1.3 ml	SW Albufeira	0.2	
20-01-2018	05:36:52.5	36.253°N	09.809°W	37*	2.8 ml	SW Cabo S.Vicente	0.4	
20-01-2018	05:41:08.7	37.100°N	05.020°W	15	1.9 ml	NW Malaga (ESP)	0.5	
20-01-2018	06:27:32.8	36.387°N	07.903°W	2*	1.3 ml	Golfo de Cádiz	0.4	
20-01-2018	11:42:41.0	37.387°N	08.503°W	7	3.2 ml	NE Monchique	0.4	III
20-01-2018	14:56:34.9	36.721°N	03.102°W	0*	2.1 ml	SE Granada (ESP)	0.4	
20-01-2018	18:38:31.7	37.429°N	07.158°W	10	1.0 ml	NW Huelva (ESP)	0.3	
20-01-2018	20:14:09.4	36.690°N	08.799°W	4*	2.1 ml	SE Cabo S.Vicente	0.5	
20-01-2018	21:00:54.7	41.181°N	07.520°W	8*	1.8 ml	NE Tabuaço	0.4	
21-01-2018	06:19:47.4	35.485°N	03.721°W	1*	1.9 ml	NE Al Hoceima (MARR)	0.5	
21-01-2018	06:40:06.7	35.376°N	03.740°W	14*	1.8 ml	NE Al Hoceima (MARR)	0.5	
21-01-2018	06:41:41.8	35.420°N	03.608°W	35*	2.1 ml	NE Al Hoceima (MARR)	0.4	
21-01-2018	09:16:28.4	37.085°N	05.079°W	16	1.9 ml	NW Malaga (ESP)	0.4	
21-01-2018	17:20:49.1	42.880°N	01.599°W	1*	2.1 ml	Pirinéus (ESP)	0.4	
22-01-2018	00:18:09.2	38.776°N	09.249°W	2	1.4 ml	NW Amadora	0.3	
22-01-2018	05:07:04.3	36.885°N	10.857°W	31	1.8 ml	Gorringe	0.3	
22-01-2018	08:03:26.9	37.109°N	05.044°W	12	2.6 ml	NW Malaga (ESP)	0.3	
22-01-2018	11:26:00.9	36.650°N	07.330°W	32	1.2 ml	Golfo de Cádiz	0.3	
22-01-2018	13:50:40.0	36.782°N	10.706°W	32	2.5 ml	Gorringe	0.3	
23-01-2018	01:56:48.1	38.778°N	07.956°W	3	1.3 ml	NE Arraiolos	0.3	
23-01-2018	07:28:16.3	36.539°N	04.525°W	95	2.4 ml	SW Malaga (ESP)	0.4	
23-01-2018	07:27:30.0	36.518°N	04.435°W	90	2.6 ml	S Malaga (ESP)	0.4	
23-01-2018	23:37:33.8	36.227°N	08.199°W	32	1.8 ml	SW Faro	0.4	
24-01-2018	04:16:06.8	39.736°N	08.920°W	17	1.7 ml	SE Marinha Grande	0.6	
24-01-2018	04:33:58.7	37.132°N	14.488°W	10*	2.4 ml	Josephine	0.6	
24-01-2018	05:46:24.0	37.566°N	07.985°W	2	3.1 ml	NE Almodovar	0.5	III
24-01-2018	06:06:36.7	37.309°N	08.587°W	12	1.7 ml	SW Monchique	0.5	
24-01-2018	06:20:29.9	36.567°N	11.199°W	25	1.7 ml	Gorringe	0.4	
24-01-2018	06:33:10.6	42.989°N	06.879°W	17	2.0 ml	E Lugo (ESP)	0.5	
24-01-2018	07:01:13.9	39.296°N	11.999°W	43	1.8 ml	Canhão da Nazaré	0.4	
24-01-2018	07:36:05.6	36.384°N	07.228°W	32	1.3 ml	Golfo de Cádiz	0.4	
24-01-2018	10:39:38.2	38.204°N	01.131°W	24	2.4 ml	N Murcia (ESP)	0.6	
24-01-2018	12:58:51.5	38.774°N	07.951°W	3	1.4 ml	NE Arraiolos	0.4	
24-01-2018	19:54:49.7	38.287°N	08.833°W	23	0.6 ml	NW Melides	0.2	
25-01-2018	00:20:48.6	36.668°N	08.109°W	21	1.1 ml	SW Faro	0.3	
25-01-2018	05:49:16.9	36.969°N	05.130°W	0*	1.8 ml	NW Malaga (ESP)	0.3	
25-01-2018	13:46:30.4	37.156°N	07.625°W	1*	2.0 ml	NE Tavira	0.3	

26-01-2018	02:45:55.7	38.784°N	07.967°W	2*	0.8 ml	NE Arraiolos	0.2	
26-01-2018	03:27:28.1	38.731°N	07.917°W	10	1.0 ml	E Arraiolos	0.4	
26-01-2018	12:07:58.2	36.909°N	08.828°W	20	2.1 ml	SE Cabo S.Vicente	0.4	
26-01-2018	13:40:09.9	36.507°N	09.707°W	15	2.2 ml	SW Cabo S.Vicente	0.4	
26-01-2018	20:23:55.9	38.014°N	08.569°W	1*	1.7 ml	E Santiago do Cacém	0.5	
26-01-2018	21:23:33.2	36.959°N	05.264°W	18	2.2 ml	SE Sevilha (ESP)	0.4	
27-01-2018	05:41:07.0	37.102°N	05.118°W	12	1.8 ml	NW Malaga (ESP)	0.3	
27-01-2018	12:18:37.8	36.557°N	07.784°W	35*	1.4 ml	Golfo de Cádiz	0.4	
27-01-2018	14:47:14.2	36.708°N	07.673°W	21	1.4 ml	Golfo de Cádiz	0.2	
28-01-2018	03:07:32.7	36.934°N	05.272°W	15	1.8 ml	SE Sevilha (ESP)	0.5	
28-01-2018	08:43:09.0	37.087°N	05.119°W	13	1.9 ml	NW Malaga (ESP)	0.4	
28-01-2018	22:35:53.8	37.040°N	05.151°W	1*	1.8 ml	NW Malaga (ESP)	0.5	
28-01-2018	22:55:54.2	36.923°N	08.939°W	29	1.5 ml	SE Cabo S.Vicente	0.3	
28-01-2018	23:46:14.9	37.848°N	03.232°W	17	2.4 ml	NW Almeria (ESP)	0.4	
29-01-2018	00:35:14.4	36.939°N	05.266°W	18	2.9 ml	SE Sevilha (ESP)	0.4	
29-01-2018	01:04:10.0	36.979°N	05.301°W	14	2.7 ml	SE Sevilha (ESP)	0.3	
29-01-2018	01:08:11.2	36.968°N	05.285°W	18	1.8 ml	SE Sevilha (ESP)	0.3	
29-01-2018	02:23:31.6	36.524°N	09.759°W	31	2.0 ml	SW Cabo S.Vicente	0.3	
29-01-2018	04:59:18.6	36.979°N	05.288°W	11	1.7 ml	SE Sevilha (ESP)	0.3	
29-01-2018	07:49:21.0	36.972°N	05.246°W	15	1.5 ml	SE Sevilha (ESP)	0.3	
29-01-2018	08:10:58.0	36.978°N	05.297°W	13	1.8 ml	SE Sevilha (ESP)	0.3	
29-01-2018	08:43:09.8	37.006°N	05.311°W	16	1.5 ml	SE Sevilha (ESP)	0.3	
29-01-2018	11:01:36.7	41.624°N	08.463°W	0	-	SW Vila Verde	0.2	
29-01-2018	11:01:37.6	41.606°N	08.451°W	8	2.2 ml	S Vila Verde	0.4	III
30-01-2018	01:52:21.6	36.934°N	05.250°W	15	3.1 ml	SE Sevilha (ESP)	0.4	
30-01-2018	02:06:42.5	36.917°N	05.232°W	18	1.6 ml	NW Malaga (ESP)	0.4	
30-01-2018	06:33:53.5	38.838°N	08.246°W	0*	1.6 ml	SW Mora	0.3	
30-01-2018	06:53:01.3	37.817°N	08.786°W	13	0.6 ml	SE Sines	0.1	
30-01-2018	11:00:23.2	36.499°N	06.988°W	32	1.5 ml	Golfo de Cádiz	0.3	
30-01-2018	22:04:00.4	35.435°N	03.755°W	0*	2.1 ml	NE Al Hoceima (MARR)	0.4	
30-01-2018	22:16:05.5	35.453°N	03.752°W	3	2.6 ml	NE Al Hoceima (MARR)	0.4	
30-01-2018	22:35:29.6	35.553°N	03.696°W	0*	1.8 ml	Alboran	0.4	
31-01-2018	02:08:58.4	36.933°N	05.282°W	15	1.3 ml	SE Sevilha (ESP)	0.4	
31-01-2018	07:13:58.3	38.805°N	09.303°W	12	1.0 ml	E Sintra	0.3	
31-01-2018	13:02:35.1	36.596°N	09.799°W	15	2.1 ml	SW Cabo S.Vicente	0.3	
31-01-2018	16:35:44.7	32.483°N	16.372°W	11*	2.0 ml	SE Desertas (Madeira)	0.3	
31-01-2018	23:50:41.6	35.403°N	03.736°W	9*	2.4 ml	NE Al Hoceima (MARR)	0.4	

01-Jan Ho 01:49:39.5 ML 1.3							
Lat 36.802°N Lon 07.433°W Prof 28							
Região: Golfo de Cádiz Rms 0.3							
AxMax 3.6 AxMin 2.3 Ang 77 ErrZ 4							
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp</i>	<i>Per</i>	
PBDV	e P	01:49:50.89		HZ	0.006	0.4	
	e S	01:49:59.10		HE			
PVAQ	e P	01:49:51.36		HN			
	e S	01:50:00.09		HN			
PCVE	e P	01:49:56.11		HZ	0.004	0.3	
	e S	01:50:08.10		HN			
MORF	e S	01:50:11.39		HN	0.003	0.4	
PFVI	e S	01:50:12.67		HE			
MESJ	e P	01:49:59.43		HZ	0.003	0.8	
	e S	01:50:13.57		HE			
PTEO	e S	01:50:15.69		EN			
PBAR	e P	01:50:01.70		HZ	0.001	0.3	
	e S	01:50:18.30		HN			
PNCL	e S	01:50:22.04		HN			
EVO	e P	01:50:07.32		HZ			
	e S	01:50:28.62		HE			
PESTR	e P	01:50:10.81		HZ			
	e S	01:50:34.66		HN			
PMTG	e P	01:50:14.98		HZ			
	e S	01:50:42.17		HN			
PMRV	e P	01:50:18.37		HZ			
	e S	01:50:47.01		HE			
PCBR	e P	01:50:24.23		EZ			

01-Jan Ho 08:32:35.0 ML 2.1							
Lat 36.746°N Lon 10.436°W Prof 23*							
Região: Gorringe Rms 0.4							
AxMax 4.8 AxMin 3.7 Ang 74 ErrZ 0							
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp</i>	<i>Per</i>	
PVAQ	e P	06:31:55.14		HN			
	e S	06:32:06.51		HE			
PBAR	e P	06:32:03.33		HZ	0.002	0.9	
	e S	06:32:23.77		HN			
PBDV	e S	06:32:06.51		HE			
PCVE	e S	06:32:14.95		HE			
MESJ	e S	06:32:20.79		HN	0.002	0.7	
01-Jan Ho 08:32:35.0 ML 2.1							
Lat 36.746°N Lon 10.436°W Prof 23*							
Região: Gorringe Rms 0.4							
AxMax 4.8 AxMin 3.7 Ang 74 ErrZ 0							
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp</i>	<i>Per</i>	
PFVI	i P	c 08:32:56.60		HZ	0.034	0.2	
	e S	08:33:12.64		HN			
MORF	i P	c 08:32:59.31		HZ	0.026	1.3	
	e S	08:33:17.48		HN			
PTEO	e P	08:33:00.04		EZ	0.014	0.6	
	e S	08:33:18.76		EE			
PNCL	e P	c 08:33:06.10		HZ	0.010	0.1	
	e S	08:33:29.34		HN			
PBDV	e P	08:33:06.95		HZ	0.007	0.6	
	e S	08:33:30.35		HE			
MESJ	e P	08:33:06.70		HZ	0.004	0.1	
	e S	08:33:30.80		HN			
PCVE	e P	08:33:07.30		HZ	0.007	0.2	
	e S	08:33:31.82		HE			

PVAQ	e P	08:33:09.68	HN			
	e S	08:33:35.07	HE			
PMAFR	e P	08:33:10.73	HZ	0.017	0.5	
	e S	08:33:38.23	HN			
PBEJ	e P	08:33:11.31	EZ	0.004	0.3	
	e S	08:33:38.25	EE			
EVO	e P	08:33:14.24	HZ	0.008	0.8	
	e S	08:33:44.32	HE			
PMTG	e P	08:33:18.29	HZ	0.003	0.2	
	e S	08:33:50.72	HN			
PSBE	e P	08:33:19.52	HZ			
	e S	08:33:54.30	HE			
PBAR	e P	08:33:20.25	HZ	0.002	0.3	
	e S	08:33:54.57	HE			
PESTR	e P	08:33:20.89	HZ	0.002	0.2	
	e S	08:33:55.54	HN			
PMRV	e P	08:33:27.18	HZ	0.003	0.9	
	e S	08:34:06.52	HE			
PCBR	e P	08:33:31.32	EZ	0.003	0.4	
	e S	08:34:14.30	EE			
PVIS	e P	08:33:38.81	HZ	0.003	0.1	
	e S	08:34:27.21	HN			
MVO	e P	08:33:48.70	HZ	0.002	0.1	
	e S	08:34:43.44	HE			

01-Jan

<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp</i>	<i>Per</i>
H07S1	P	09:25:21.70		HZ		
PAGU	P	09:25:42.80		HZ		
PCALD	P	09:26:00.60		EZ		
PMTG	e P	09:29:08.38		BZ	0.045	1.8
EVO	e P	09:29:09.50		BZ	0.039	1.9
PESTR	e P	09:29:09.73		BZ		
PVIS	e P	09:29:10.89		BZ		
PCBR	e P	09:29:14.14		SZ		
PMRV	e P	09:29:14.81		BZ		
PBAR	e P	09:29:17.01		BZ	0.041	1.6
MVO	e P	09:29:18.23		BZ	0.066	1.7

01-Jan	Ho	10:16:24.2				ML	1.4	
	Lat	36.977°N	Lon	08.386°W	Prof	16		
	Região: SW Albufeira					Rms	0.3	
	AxMax	3.0	AxMin	2.7	Ang	5	ErrZ	4
Est	Fase	P	h:m:s		Dur	Co	Amp	Per
PFVI	e Pg		10:16:31.34			HZ	0.019	0.5
	e Sg		10:16:36.99			HN		
MORF	e Pg	d	10:16:31.62			HZ	0.020	0.1
	e Sg		10:16:37.43			HE		
PBDV	e Pg	c	10:16:32.95			HZ	0.018	1.2
	e Sg		10:16:39.52			HN		
PTEO	e Pg		10:16:35.88			EZ		
	e Sg		10:16:44.33			EN		
PVAQ	e Pg		10:16:36.62			HN		
	e Sg		10:16:45.75			HE		
PCVE	e Pg	d	10:16:37.25			HZ	0.006	0.2
	e Sg		10:16:46.87			HN		
MESJ	e P		10:16:40.09			HZ	0.006	0.1
	e S		10:16:51.42			HN		
PBEJ	e S		10:16:58.22			EE		
PNCL	e P		10:16:44.47			HZ	0.007	0.9
	e S		10:16:58.99			HN		
EVO	e Sg		10:17:13.06			HN	0.002	0.5
PBAR	e Sg		10:17:15.13			HN		
PMTG	e Sg		10:17:29.11			HE	0.002	0.2

01-Jan	Ho	16:35:15.9				ML	1.9	
	Lat	35.354°N	Lon	03.973°W	Prof	2*		
	Região: NW Al Hoceima (MARR)					Rms	0.4	
	AxMax	2.5	AxMin	2.0	Ang	39	ErrZ	0
Est	Fase	P h:m:s		Dur	Co	Amp		Per
PVAQ	e S	16:36:52.01			HE			
PBDV	e P	16:36:15.02			HZ			
	e S	16:36:54.12			HE			
PBAR	e P	16:36:13.53			HZ			
	e S	16:36:56.79			HE			
PCVE	e P	16:36:17.48			HZ			
	e S	16:37:02.19			HN			
MESJ	e P	16:36:21.09			HZ			

EVO	e P	16:36:24.72	HZ
PESTR	e P	16:36:24.90	HZ
	e S	16:37:15.24	HE
PMRV	e P	16:36:29.33	HZ
PMTG	e P	16:36:31.24	HZ
PMAFR	e P	16:36:39.18	HZ

02-Jan	Ho	04:24:17.0	Distante (NEIC)		MB 5.1	
	Lat	41.270°N	Lon 22.845°E		Prof 6	
Região: Northwestern Balkan Region						
Est	Fase	P h:m:s	Dur	Co	Amp	Per
PBRG	e P	04:29:16.50		BZ	0.042	2.0
MVO	e P	04:29:18.18		BZ	0.094	1.5
MTE	e P	04:29:21.88		BZ	0.050	1.4
PMRV	e P	04:29:23.41		BZ	0.082	1.3
PBAR	e P	04:29:22.21		BZ	0.086	1.2
PGAV	e P	04:29:25.69		BZ	0.157	1.6
PESTR	e P	04:29:25.17		BZ	0.096	1.3
COI	e P	04:29:28.73		BZ	0.128	1.4
EVO	e P	04:29:30.08		BZ	0.040	1.0
PMTG	e P	04:29:29.98		BZ	0.096	1.3
PCVE	e P	04:29:31.76		BZ	0.079	1.3
PBDV	e P	04:29:36.27		BZ	0.094	1.2
PSBE	e P	04:29:33.20		BZ	0.120	1.8
MESJ	e P	04:29:35.43		BZ	0.061	1.2
PNCL	e P	04:29:36.21		BZ	0.052	1.6

02-Jan	Ho	07:45:05.5				ML	1.8	
	Lat	36.581°N	Lon	07.555°W	Prof	36*		
	Região: Golfo de Cádiz					Rms	0.4	
	AxMax	4.5	AxMin	3.5	Ang	60	ErrZ	0
Est	Fase	P h:m:s		Dur	Co	Amp	Per	
PBDV	e P	07:45:18.33			HZ	0.012	0.1	
	e S	07:45:27.66			HE			
PVAQ	e P	07:45:19.83			HN			
	e S	07:45:30.12			HE			
PCVE	e P	07:45:24.01			HZ	0.010	0.2	
	e S	07:45:37.44			HN			
MORF	e P	07:45:23.71			HZ	0.011	0.1	
	e S	07:45:37.89			HN			
PFVI	e P	07:45:24.11			HZ	0.013	0.6	
	e S	07:45:38.03			HN			
PTEO	e P	07:45:27.11			EZ	0.010	0.7	
	e S	07:45:43.23			EN			
MESJ	e P	07:45:27.31			HZ	0.004	0.2	
	e S	07:45:43.72			HN			
PBEJ	e S	07:45:45.60			EN	0.004	0.6	
PBAR	e P	07:45:31.54			HZ	0.002	0.1	
	e S	07:45:53.09			HE			
PNCL	e P	07:45:32.10			HZ	0.006	0.6	
	e S	07:45:51.32			HE			
PESTR	e P	07:45:41.35			HZ	0.004	0.8	
	e S	07:46:04.59			HN			

02-Jan						
Est	Fase	P h:m:s	Dur	Co	Amp	Per
PBDV	e P	07:46:23.22		HZ	0.004	0.5
	e S	07:46:25.63		HE		
PVAQ	e P	07:46:24.59		HN		
	e S	07:46:27.97		HE		
PCVE	e S	07:46:35.43		HE	0.003	0.7
MESJ	e S	07:46:42.77		HN		

PTEO	e P	10:18:39.24	EZ	0.007	0.8
	e S	10:18:55.21	EN		
MESJ	e P	10:18:41.63	HZ	0.004	0.3
	e S	10:19:00.13	HE		
PNCL	e S	10:19:06.69	HN	0.005	0.6
PBAR	e P	10:18:50.33	HZ	0.002	0.4
	e S	10:19:11.84	HE		
EVO	e S	10:19:16.88	HE		
PESTR	e S	10:19:25.17	HN	0.003	0.6
PMTG	e P	10:18:58.03	HZ	0.004	0.4
	e S	10:19:29.68	HN		
PMRV	e P	10:19:04.36	HZ	0.001	0.3
	e S	10:19:39.57	HN		
PSBE	e P	10:19:05.81	HZ	0.008	0.4
	e S	10:19:41.92	HE		

02-Jan Ho 12:56:08.7 ML 1.7
Lat 36.613°N Lon 07.127°W Prof 17
Região: Golfo de Cádiz Rms 0.4
AxMax 5.9 AxMin 4.8 Ang 31 ErrZ 5

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PBDV	e P	12:56:25.27		HZ	0.010	0.2
	e S	12:56:36.71		HE		
PVAQ	e P	12:56:25.35		HN		
	e S	12:56:37.33		HE		
PCVE	e P	12:56:30.12		HZ	0.005	1.0
	e S	12:56:45.99		HE		
MORF	e P	12:56:32.28		HZ	0.007	0.4
	e S	12:56:48.78		HE		
PFVI	e P	12:56:35.42		HZ	0.006	0.6
	e S	12:56:50.54		HN		
MESJ	e P	12:56:33.62		HZ	0.003	0.2
	e S	12:56:52.09		HE		
PBEJ	e S	12:56:50.74		EE		
PBAR	e P	12:56:34.37		HZ	0.004	0.1
	e S	12:56:53.18		HN		
PTEO	e S	12:56:53.58		EE	0.005	0.6
PNCL	e P	12:56:35.12		HZ	0.003	0.4
	e S	12:57:00.60		HE		
EVO	e S	12:57:05.25		HE		
PESTR	e P	12:56:46.69		HZ	0.004	0.9
	e S	12:57:10.34		HE		
PMTG	e P	12:56:48.89		HZ	0.004	0.7
	e S	12:57:18.85		HE		
PMRV	e P	12:56:52.86		HZ	0.002	0.4
	e S	12:57:23.71		HE		
PSBE	e S	12:57:32.05		HN		
PCBR	e P	12:56:58.65		EZ		
	e S	12:57:33.32		EN		
PCAS	e P	12:57:03.26		HZ		

02-Jan Ho 14:57:19.0 Distante (NEIC) MW 5.9
Lat 24.823°S Lon 178.450°E Prof 579
Região: South of Fiji Islands

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PGAV	e PKPdf	15:16:13.76		BZ		
PBRG	e PKPdf	15:16:15.40		BZ		
	e PKPab	15:17:06.38		BZ		
POLO	e PKPdf	15:16:16.37		BZ		
	e PKPab	15:17:07.62		BZ		
PVRL	e PKPdf	15:16:16.20		SZ		
	e PKPab	15:17:08.56		SZ		
MVO	e PKPdf	15:16:16.16		BZ		
	e PKPab	15:17:09.16		BZ		
PVIS	e PKPdf	15:16:16.98		BZ		
	e PKPab	15:17:09.83		BZ		
MTE	e PKPdf	15:16:16.82		BZ		
	e PKPab	15:17:11.54		BZ		
PCAS	e PKPdf	15:16:16.73		BZ		
	e PKPab	15:17:12.54		BZ		
PCBR	e PKPdf	15:16:17.29		SZ		
	e PKPab	15:17:13.60		SZ		
PMRV	e PKPdf	15:16:13.99		BZ		
	e PKPab	15:17:16.01		BZ		
PESTR	e PKPdf	15:16:17.78		BZ		
	e PKPab	15:17:18.09		BZ		
EVO	e PKPdf	15:16:18.01		BZ		

PNCL	e PKPdf	15:16:17.82	BZ
	e PKPab	15:17:19.13	BZ
PBEJ	e PKPdf	15:16:18.82	SZ
	e PKPab	15:17:20.85	SZ
MESJ	e PKPdf	15:16:17.65	BZ
PBAR	e PKPdf	15:16:18.59	BZ
	e PKPab	15:17:20.85	BZ
PTEO	e PKPdf	15:16:19.36	SZ
	e PKPab	15:17:20.85	SZ
PCVE	e PKPdf	15:16:18.63	BZ
	e PKPab	15:17:22.20	BZ
MORF	e PKPdf	15:16:19.24	BZ
	e PKPab	15:17:22.23	BZ
PFVI	e PKPdf	15:16:19.28	BZ
	e PKPab	15:17:23.57	BZ
PVAQ	e PKPab	15:17:23.57	BZ
PBDV	e PKPdf	15:16:19.16	BZ
	e PKPab	15:17:23.59	BZ

02-Jan Ho 19:34:48.5 ML 1.7
Lat 35.767°N Lon 10.074°W Prof 38*
Região: Mar de Marrocos Rms 0.4
AxMax 9.4 AxMin 5.2 Ang 89 ErrZ 0

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PFVI	e P	19:35:14.02		HZ	0.006	0.8
	e S	19:35:34.14		HE		
MORF	e P	19:35:17.23		HZ	0.004	0.5
	e S	19:35:39.25		HN		
PTEO	e S	19:35:42.64		EN		
PBDV	e P	19:35:22.96		HZ	0.003	0.7
	e S	19:35:47.95		HN		
PCVE	e P	19:35:25.65		HZ	0.002	0.8
	e S	19:35:52.64		HN		
PVAQ	e P	19:35:26.06		HE		
	e S	19:35:53.22		HE		
MESJ	e P	19:35:25.99		HZ	0.002	0.6
	e S	19:35:54.80		HE		
PNCL	e P	19:35:27.25		HZ	0.003	0.7
	e S	19:35:56.09		HE		
EVO	e S	19:36:10.15		HE	0.002	0.4
PBAR	e P	19:35:38.09		HZ	0.001	0.7
	e S	19:36:15.08		HE		
PMTG	e P	19:35:40.22		HZ	0.002	0.8
	e S	19:36:19.22		HE		
PMRV	e P	19:35:47.88		HZ	0.004	0.8
	e S	19:36:34.27		HN		

02-Jan Ho 20:59:39.6 ML 3.6
Lat 36.408°N Lon 02.534°E Prof 8*
Região: N Argélia (ALG) Rms 0.5
AxMax 6.5 AxMin 3.9 Ang 127 ErrZ 0

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PBAR	e P	21:01:32.69		HZ		
	e S	21:02:56.27		HN		
PVAQ	e P	21:01:37.84		HE		
	e S	21:03:06.13		HE		
PESTR	e P	21:01:41.12		HZ		
	e S	21:03:11.39		HE		
PMRV	e P	21:01:41.29		HZ		
	e S	21:03:10.95		HN		
PBDV	e P	21:01:40.27		HZ		
	e S	21:03:10.59		HE		
PBEJ	e P	21:01:40.67		EZ		
	e S	21:03:12.27		EN		
PCVE	e P	21:01:41.51		HZ		
	e S	21:03:15.20		HN		
PCBR	e P	21:01:44.17		EZ		
	e S	21:03:17.18		EN		
EVO	e P	21:01:43.74		HZ		
	e S	21:03:18.35		HE		
MESJ	e P	21:01:43.97		HZ		
	e S	21:03:18.44		HN		
MTE	e P	21:01:48.23		HZ		
	e S	21:03:16.06		HE		
MVO	e P	21:01:47.08		HZ		
	e S	21:03:21.48		HE		
PMTG	e P	21:01:47.93		HZ		
	e S	21:03:22.91		HN		

PNCL	e P	21:01:47.93	HZ	MORF	e P	02:45:40.05	HZ	0.005	0.4
	e S	21:03:25.73	HN		e S	02:45:46.69	HN		
PBRG	e P	21:01:49.71	HZ	PBDV	e P	02:45:43.21	HZ		
	e S	21:03:26.02	HN		e S	02:45:51.58	HN		
PTEO	e P	21:01:49.34	EZ	PTEO	e P	02:45:43.97	EZ		
	e S	21:03:27.90	EE		e S	02:45:53.89	EE		
PFVI	e P	21:01:50.36	HZ	PVAQ	e S	02:45:57.97	HN		
	e S	21:03:28.02	HE	PCVE	e S	02:45:58.35	HN		
PVIS	e P	21:01:52.41	HZ	MESJ	e S	02:46:02.73	HN		
	e S	21:03:31.37	HE	PNCL	e S	02:46:09.59	HN		
PVRL	e P	21:01:53.70	SZ	PBAR	e Sg	02:46:26.13	HN		
	e S	21:03:35.15	SN						
COI	e P	21:01:55.52	HZ						
PCAS	e P	21:01:55.29	HZ						
	e S	21:03:36.26	HN						
POLO	e P	21:01:55.36	HZ						
	e S	21:03:36.96	HE						
PSBE	e P	21:01:55.45	HZ						
	e S	21:03:38.18	HE						
PMAFR	e S	21:03:43.04	HN						
PCAB	e P	21:02:00.16	HZ						
	e S	21:03:46.09	HN						
PGAV	e P	21:02:02.72	HZ						
	e S	21:03:49.62	HN						
<hr/>									
03-Jan	Ho	14:54:53.6	ML 1.8						
	Lat	36.606°N	Lon 11.175°W	Prof 36*					
	Região: Gorringe			Rms 0.3					
	AxMax 8.4	AxMin 5.5	Ang 101	ErrZ 0					
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp</i>	<i>Per</i>			
PFVI	e P	c 14:55:22.78		HZ	0.008	1.0			
	e S	14:55:44.71		HN					
MORF	e P	14:55:26.00		HZ	0.004	0.1			
	e S	14:55:49.36		HN					
PTEO	e P	14:55:26.28		EZ					
	e S	14:55:50.18		EN					
PNCL	e S	14:56:00.46		HE	0.002	0.6			
MESJ	e P	14:55:32.52		HZ	0.002	0.4			
	e S	14:56:02.14		HE					
PBDV	e S	14:56:02.76		HE	0.003	0.2			
PCVE	e P	14:55:33.56		HZ	0.002	0.8			
	e S	14:56:02.97		HE					
PVAQ	e S	14:56:07.44		HN					
EVO	e S	14:56:14.13		HN					
PMTG	e P	14:55:42.42		HZ	0.001	0.4			
	e S	14:56:19.67		HN					
PBAR	e S	14:56:25.63		HN	0.002	0.6			
PMRV	e P	14:55:51.54		HZ					
	e S	14:56:36.73		HN					
<hr/>									
03-Jan	Ho	19:08:29.6	ML 0.6						
	Lat	37.336°N	Lon 08.493°W	Prof 6*					
	Região: NE Monchique			Rms 0.4					
	AxMax 3.0	AxMin 2.2	Ang 139	ErrZ 0					
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp</i>	<i>Per</i>			
MORF	e P	19:08:32.26		HZ	0.025	0.6			
	e S	19:08:34.65		HN					
PTEO	e P	19:08:34.82		EZ					
	e S	19:08:38.54		EN					
PFVI	e P	19:08:35.81		HZ					
	e S	19:08:39.90		HE					
PBDV	e S	19:08:44.91		HE					
PCVE	e P	19:08:38.34		HZ	0.001	0.6			
	e S	19:08:44.15		HE					
MESJ	e P	19:08:40.13		HZ	0.001	0.1			
	e S	19:08:47.42		HE					
PVAQ	e S	19:08:49.00		HE					
PNCL	e P	19:08:44.01		HZ					
	e S	19:08:54.21		HN					
<hr/>									
04-Jan	Ho	02:45:31.3	ML 0.8						
	Lat	36.863°N	Lon 08.541°W	Prof 17					
	Região: SE Lagos			Rms 0.3					
	AxMax 5.8	AxMin 2.9	Ang 8	ErrZ 5					
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp</i>	<i>Per</i>			
PFVI	e P	02:45:37.97		HZ	0.008	0.2			
	e S	02:45:43.12		HN					
<hr/>									
04-Jan	Ho	02:44:58.0	Distante (NEIC)	MB 5.3					
	Lat	53.247°N	Lon 159.808°E	Prof 67					
	Região: Near East Coast of Kamchatka								
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp</i>	<i>Per</i>			
PBRG	e P	02:57:24.30		BZ	0.089	1.5			
PGAV	e P	02:57:23.24		BZ					
POLO	e P	02:57:27.26		BZ	0.047	1.2			
PVRL	e P	02:57:27.82		SZ	0.114	1.5			
MVO	e P	02:57:27.32		BZ	0.097	1.4			
PVIS	e P	02:57:30.22		BZ					
MTE	e P	02:57:31.66		BZ	0.043	0.8			
COI	e P	02:57:33.02		BZ	0.070	2.1			
PCAS	e P	02:57:33.43		BZ	0.071	1.0			
PCBR	e P	02:57:33.74		SZ	0.046	1.1			
PMRV	e P	02:57:35.58		BZ					
PSBE	e P	02:57:36.40		BZ	0.114	1.9			
PMTG	e P	02:57:37.57		BZ	0.032	1.7			
	e pP	02:57:54.36		BZ					
PESTR	e P	02:57:38.83		BZ	0.047	1.2			
PACT	e P	02:57:40.30		BZ					
EVO	e P	02:57:40.36		BZ					
PBAR	e P	02:57:41.53		BZ	0.052	1.2			
PBEJ	e P	02:57:43.04		SZ	0.030	1.6			
MESJ	e P	02:57:43.62		BZ	0.037	1.5			
PCVE	e P	02:57:44.79		BZ	0.044	1.2			
PBDV	e P	02:57:46.79		BZ	0.045	1.7			
PFVI	e P	02:57:47.66		BZ	0.011	0.6			
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04-Jan	Ho	06:28:08.6	ML 2.2						
	Lat	39.004°N	Lon 13.137°W	Prof 57					
	Região: Tore			Rms 0.4					
	AxMax 6.6	AxMin 4.6	Ang 84	ErrZ 27					
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp</i>	<i>Per</i>			
PMAFR	e P	06:28:50.97		HZ	0.022	0.5			
	e S	06:29:23.21		HE					
PACT	e S	06:29:34.34		BN	0.016	0.7			
PSBE	e S	06:29:32.62		HE					
PNCL	e P	06:29:00.56		HZ	0.003	0.5			
	e S	06:29:39.19		HN					
PCAS	e P	06:29:01.59		HZ	0.003	0.3			
	e S	06:29:39.55		HN					
PMTG	e P	06:29:01.87		HZ	0.002	0.7			
	e S	06:29:41.70		HN					
MORF	e P	06:29:02.06		HZ	0.006	0.7			
	e S	06:29:43.96		HN					
EVO	e P	06:29:04.94		HZ	0.003	0.7			
	e S	06:29:46.72		HN					
MESJ	e P	06:29:04.66		HZ	0.002	0.5			
	e S	06:29:47.01		HE					
PCVE	e P	06:29:07.27		HZ	0.004	0.7			
	e S	06:29:51.05		HE					
PBEJ	e S	06:29:51.86		EE					
PESTR	e P	06:29:09.09		HZ	0.006	0.6			
	e S	06:29:54.14		HN					
PVIS	e P	06:29:09.92		HZ	0.004	0.3			
	e S	06:29:54.83		HE					
PBDV	e P	06:29:10.46		HZ	0.007	0.7			
	e S	06:29:56.85		HE					
PCBR	e S	06:29:55.87		EN					
PMRV	e P	06:29:10.35		HZ	0.003	0.8			
	e S	06:29:57.11		HE					
MTE	e S	06:29:59.00		HE	0.008	0.8			
PVAQ	e P	06:29:11.71		HE					
	e S	06:29:59.26		HN					
POLO	e P	06:29:14.85		HZ					
	e S	06:30:03.34		HN					

PGAV	e P	06:29:13.68	HZ			
PBAR	e P	06:29:15.82	HZ	0.001	0.3	
	e S	06:30:06.09	HN			
MVO	e P	06:29:21.11	HZ	0.003	0.6	
	e S	06:30:13.63	HE			

04-Jan

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PVAQ	e Pn	07:19:44.51		HN		
	e Sn	07:20:37.82		HE		

04-Jan	Ho	10:46:12.3	Distante (NEIC)	MB	4.9	
	Lat	42.658°N	Lon	19.883°E	Prof	10
	Região: Northwestern Balkan Region					

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PBRG	e P	10:50:41.66		BZ	0.120	1.4
MVO	e P	10:50:45.85		BZ	0.137	1.3
	A	10:59:56.15		LZ	0.946	1.6
PVRL	e P	10:50:50.17		SZ	0.172	1.7
POLO	e P	10:50:50.88		BZ	0.091	1.8
MTE	e P	10:50:51.17		BZ	0.181	1.5
	A	10:58:56.86		LZ	0.936	2.0
PCBR	e P	10:50:51.71		SZ	0.079	1.5
PMRV	e P	10:50:52.93		BZ	0.085	1.4
PGAV	e P	10:50:52.16		BZ	0.224	1.5
	A	11:00:21.97		LZ	1.236	1.8
PVIS	e P	10:50:52.79		BZ		
PBAR	e P	10:50:53.90		BZ	0.302	1.5
PESTR	e P	10:50:55.86		BZ	0.273	1.5
PTO	e P	10:50:58.06		SZ	0.143	1.3
COI	e P	10:50:59.50		BZ	0.275	1.4
PCAS	e P	10:51:00.18		BZ	0.097	1.5
PMTG	e P	10:51:00.73		BZ	0.218	1.4
EVO	e P	10:51:01.13		BZ	0.126	1.5
PBEJ	e P	10:51:01.50		SZ	0.117	1.6
PVAQ	e P	10:51:03.19		BZ		
PSBE	e P	10:51:06.40		BZ	0.126	1.5
PCVE	e P	10:51:03.72		BZ	0.274	1.5
MESJ	e P	10:51:04.87		BZ	0.190	1.4
PBDV	e P	10:51:06.91		BZ	0.190	1.5
PNCL	e P	10:51:05.41		BZ	0.258	1.5
PSSE	e P	10:51:10.93		BZ	0.598	1.6
PTEO	e P	10:51:10.85		SZ	0.106	1.6
MORF	e P	10:51:12.50		BZ	0.125	1.9
PFVI	e P	10:51:12.99		BZ	0.181	1.3

04-Jan	Ho	20:23:41.8		ML	1.9	
	Lat	36.271°N	Lon	11.533°W	Prof	25
	Região: Gorringe					
	AxMax	16.7	AxMin	6.6	Ang	80
					ErrZ	23

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PFVI	e P	20:24:16.34		HZ	0.010	0.7
	e S	20:24:42.92		HE		
MORF	e P	20:24:19.95		HZ	0.003	0.2
	e S	20:24:47.79		HN		
PTEO	e S	20:24:49.34		EE		
PNCL	e P	20:24:26.54		HZ	0.002	0.5
	e S	20:24:59.66		HN		
PBDV	e P	20:24:26.65		HZ	0.002	0.9
	e S	20:25:00.54		HN		
MESJ	e S	20:25:01.20		HN		
PCVE	e S	20:25:02.21		HN	0.002	0.6
PMAFR	e S	20:25:04.02		HE		
PVAQ	e P	20:24:29.39		HN		
	e S	20:25:05.11		HN		
EVO	e S	20:25:13.31		HN	0.002	0.1
PMTG	e S	20:25:19.22		HN	0.002	0.7
PSBE	e S	20:25:20.67		HE		
PBAR	e S	20:25:24.28		HN	0.001	0.5
PMRV	e S	20:25:35.44		HE		

04-Jan	Ho	23:53:07.7		ML	1.0	
	Lat	36.695°N	Lon	08.743°W	Prof	6
	Região: SE Cabo S.Vicente					
	AxMax	8.2	AxMin	4.9	Ang	53
					ErrZ	5

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PFVI	e P	23:53:15.83		HZ	0.005	0.1
	e S	23:53:22.25		HN		

MORF	e P	23:53:18.69		HZ	0.004	0.1
	e S	23:53:27.23		HE		
PTEO	e P	23:53:23.46		EZ		
	e S	23:53:34.40		EE		
PVAQ	e P	23:53:27.08		HN		
	e S	23:53:42.26		HE		
MESJ	e S	23:53:45.79		HE		
PNCL	e S	23:53:51.00		HN	0.001	0.2

05-Jan	Ho	00:22:10.9		ML	1.0	
	Lat	40.950°N	Lon	08.142°W	Prof	0
	Região: NE Arouca					
	AxMax	2.8	AxMin	0.8	Ang	100
					ErrZ	5

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PVIS	e Pg	00:22:16.32		HZ		
	e Sg	00:22:20.55		HE		
PVRL	e Pg	00:22:19.13		SZ	0.006	0.1
	e Sg	00:22:25.50		SE		
POLO	e Sg	00:22:26.72		HN	0.002	0.1
MTE	e Sg	00:22:33.52		HE	0.003	0.7
MVO	e P	00:22:26.78		HZ	0.002	0.1
	e S	00:22:38.68		HN		
PCAS	e S	00:22:40.82		HN	0.003	0.7
PCBR	e S	00:22:49.83		EE	0.001	0.1
PBRG	e S	00:22:54.03		HE	0.003	0.8
PMTG	e Sg	00:23:09.69		HE		

05-Jan	Ho	00:35:46.3		ML	0.3	
	Lat	37.326°N	Lon	08.614°W	Prof	14
	Região: NW Monchique					
	AxMax	2.6	AxMin	2.5	Ang	117
					ErrZ	5

Est	Fase	P h:m:s	Dur	Co	Amp	Per
MORF	e Pg	00:35:48.38		HZ	0.011	0.1
	e Sg	00:35:50.54		HE		
PTEO	e Pg	00:35:51.20		EZ		
	e Sg	00:35:54.98		EN		
PFVI	e Pg	00:35:50.98		HZ	0.004	0.2
	e Sg	00:35:55.30		HN		
PBDV	e Sg	00:36:04.27		HN		
MESJ	e Sg	00:36:05.01		HN		
PVAQ	e S	00:36:09.27		HN		
PNCL	e P	00:36:00.70		HZ	0.001	0.2
	e S	00:36:11.22		HN		

05-Jan	Ho	03:56:44.4		ML	0.8	
	Lat	37.210°N	Lon	09.043°W	Prof	29
	Região: NW Vila do Bispo					
	AxMax	5.1	AxMin	3.4	Ang	81
					ErrZ	2

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PFVI	e P	03:56:50.02		HZ	0.007	0.4
	e S	03:56:54.14		HE		
MORF	e P	03:56:52.10		HZ	0.007	0.2
	e S	03:56:57.29		HE		
PTEO	e P	03:56:52.96		EZ	0.002	0.1
	e S	03:56:59.59		EE		
MESJ	e P	03:56:59.90		HZ	0.002	0.8
	e S	03:57:11.54		HN		
PCVE	e P	03:56:59.92		HZ		
	e S	03:57:11.53		HE		
PNCL	e S	03:57:13.20		HN		
PVAQ	e S	03:57:15.38		HE		

05-Jan	Ho	15:20:54.5		ML	2.2	
	Lat	35.648°N	Lon	03.623°W	Prof	10
	Região: Alboran					
	AxMax	3.7	AxMin	2.5	Ang	141
					ErrZ	5

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PBAR	e P	15:21:50.94		HZ	0.003	0.8
	e S	15:22:32.20		HE		
PVAQ	e S	15:22:33.54		HN		
PBDV	e P	15:21:52.83		HZ		
	e S	15:22:35.79		HE		
PCVE	e S	15:22:43.35		HE	0.005	0.8
PESTR	e S	15:22:52.14		HN		
PNCL	e P	15:22:03.86		HZ	0.002	0.5
	e S	15:22:55.30		HN		
PMRV	e P	15:22:06.74		HZ		
	e S	15:23:00.23		HN		

PMTG	e S	15:23:04.65	HN		PSBE	e Pn	20:31:00.43	HZ	0.439	0.6					
05-Jan	Ho	20:30:27.9		ML 3.6		e Pg	20:31:05.38	HZ							
	Lat	37.490°N	Lon 08.742°W	Prof 8		e Sg	20:31:30.16	HE							
	Região:	SW Odemira		Rms 0.3	PMRV	e Pn	c 20:31:02.53	HZ	0.181	0.6					
	Sentido:	III/IV Aljezur				e Pg	20:31:07.72	HZ							
	AxMax	2.3	AxMin 0.9	Ang 76	ErrZ 2	e Sn	20:31:29.40	HN							
Est	Fase	P h:m:s	Dur	Co	Amp	Per									
PTEO	e Pg	c 20:30:29.64		EZ	9.115	0.4		PCBR	e Pn	20:31:07.32	EZ	0.188	0.4		
	e Sg	20:30:31.29		EN					e Pg	20:31:14.02	EZ				
PALJ	e Pg	20:30:31.37		HN				PCAS	e Sg	20:31:45.79	EE				
	e Sg	20:30:34.27		HE					e Pn	20:31:07.72	HZ	0.207	0.6		
MORF	i Pg	d 20:30:31.68		HZ	9.948	0.7			e Pg	20:31:14.81	HZ				
	e Sg	20:30:34.67		HN					e Sn	20:31:38.47	HN				
PFVI	i Pg	c 20:30:34.41		HZ	4.665	0.2		COI	e Sg	20:31:48.11	HE				
	e Sg	20:30:39.08		HE					e Pn	20:31:10.68	HZ	0.306	0.3		
PPOR	e Pg	20:30:35.13		HZ	4.296	0.3			e Sn	20:31:42.41	HE				
	e Sg	20:30:41.04		HE					e Sg	20:31:52.31	HE				
PLAGO	e Pg	c 20:30:35.22		HZ	2.578	0.2		MTE	e Pn	c 20:31:14.18	HZ	0.229	0.6		
	e Sg	20:30:40.54		HN					e Sn	20:31:50.00	HE				
PSINE	e Pg	20:30:36.54		HZ	2.397	0.1			e Sg	20:32:00.90	HE				
	e Sg	20:30:42.79		H1				PVIS	e Pn	20:31:17.47	HZ	0.120	0.5		
PSVI	i Pg	c 20:30:37.13		HZ	1.740	0.6			e Pg	20:31:28.81	HZ				
	e Sg	20:30:43.92		HN					e Sn	20:31:54.97	HN				
MESJ	i Pg	c 20:30:37.96		HZ	1.015	0.5			e Sg	20:32:10.74	HE				
	e Sg	20:30:45.31		HN				PTO	e Pn	20:31:22.62	SZ	0.082	0.4		
PALBU	e Pg	20:30:38.05		HZ	1.422	0.3			e Sn	20:32:03.42	SN				
	e Sg	20:30:46.12		HE				PVRL	e Pn	20:31:25.42	SZ	0.111	0.5		
PCVE	e Pg	c 20:30:38.53		HZ	1.676	0.2			e Sn	20:32:08.91	SN				
	e Sg	20:30:46.27		HE				MVO	e Pn	20:31:25.74	HZ	0.132	0.5		
PNCL	i Pg	c 20:30:39.71		HZ	1.017	0.2			e Sn	20:32:09.39	HN				
	e Sg	20:30:48.05		HN				POLO	e Pn	20:31:26.73	HZ	0.035	0.5		
PBDV	i P	d 20:30:40.18		HZ	1.755	0.2			e Sn	20:32:10.07	HE				
	e S	20:30:49.77		HN					e Sg	20:32:30.08	HE				
PFARO	e P	20:30:42.97		HZ	2.044	0.3		PCAB	e Pn	c 20:31:30.73	HZ	0.059	0.8		
	e S	20:30:53.67		HN					e Sn	20:32:17.42	HE				
PVAQ	e P	d 20:30:42.53		HZ					e Sg	20:32:40.29	HE				
	e S	20:30:54.07		HN				PGAV	e Pn	20:31:32.47	HZ	0.048	0.5		
PBEJ	e P	c 20:30:44.03		EZ	1.081	0.3			e Sn	20:32:20.99	HE				
	e S	20:30:55.62		EE				PBRG	e Pn	20:31:35.09	HZ	0.034	0.6		
PTAV	e P	20:30:45.11		HZ	4.791	0.4			e Sn	20:32:26.35	HE				
	e S	20:30:59.42		HE				06-Jan	Ho	13:57:01.4		ML 1.6			
PSES	e P	20:30:46.33		HZ	1.690	0.3				Lat	36.564°N	Lon 08.420°W	Prof 22		
	e S	20:30:59.31		HE						Região:	SW Albufeira		Rms 0.3		
PSETU	e P	20:31:31.30		HZ	4.477	0.5				AxMax	3.9	AxMin 1.7	Ang 67	ErrZ 3	
	e S	20:31:45.64		HN					Est	Fase	P h:m:s	Dur	Co	Amp	Per
PVERD	i P	20:30:34.50		HZ	2.377	0.2		PFVI	e P	d 13:57:13.58		HZ	0.010	0.5	
	e S	20:30:49.50		HN					e S	13:57:22.34		HE			
EVO	e P	c 20:30:48.51		HZ	0.557	0.1		MORF	e P	13:57:15.93		HZ	0.020	0.1	
	e S	20:31:04.99		HN					e S	13:57:25.06		HN			
GGNV	e P	20:30:50.39		HZ	0.985	0.3		PBDV	e P	13:57:15.62		HZ	0.009	0.9	
	e S	20:31:07.50		HE					e S	13:57:26.49		HE			
PACT	e Pn	20:30:50.42		BZ	1.618	0.5		PTEO	e P	13:57:18.77		EZ	0.012	0.7	
	e Pg	20:30:51.63		BZ					e S	13:57:31.70		EN			
	e Sg	20:31:08.79		BN				PVAQ	e S	13:57:31.19		HE			
INMG	e Pg	20:30:53.04		HZ	0.625	0.3		PCVE	e P	13:57:20.31		HZ	0.004	0.2	
	e Sg	20:31:10.24		HN					e S	13:57:33.97		HE			
PCASC	e Sn	20:31:10.92		HE	0.626	0.5		MESJ	e P	13:57:22.71		HZ	0.009	0.3	
	e Sg	20:31:12.50		HN					e S	13:57:38.05		HE			
PBEN	e Sg	20:31:13.57		HE				PNCL	e P	13:57:26.50		HZ	0.008	0.5	
PVFX	e Sg	20:31:14.96		H2	1.323	0.3			e S	13:57:44.92		HN			
PBAR	e Pn	20:30:53.06		HZ	1.141	0.3		PBAR	e P	13:57:31.71		HZ	0.002	0.9	
	e Pg	20:30:55.10		HZ					e S	13:57:54.47		HN			
	e Sg	20:31:14.57		HN				PESTR	e S	13:58:05.03		HE	0.003	0.8	
PMAFR	e Pn	20:30:53.64		HZ	1.708	0.3		PMTG	e P	13:57:39.33		HZ	0.003	0.4	
	e Sn	20:31:13.25		HE					e S	13:58:07.63		HN			
PMTG	e Pn	c 20:30:54.55		HZ	0.588	0.2		PMRV	e P	13:57:45.40		HZ			
	e Pg	20:30:57.01		HZ					e S	13:58:18.70		HE			
	e Sn	20:31:17.17		HE				PCAS	e S	13:58:30.82		HN			
PESTR	i Pn	c 20:30:54.58		HZ	0.215	0.7									
	e Pg	20:30:57.69		HZ				06-Jan	Ho	15:22:09.0	Distante (NEIC)	MW 5.0			
	e Sg	20:31:18.84		HE						Lat	34.569°N	Lon 45.756°E	Prof 10		
PSANT	e Pg	20:31:00.35		HZ	0.913	0.5				Região:	Iran-Iraq Border Region				
	e Sg	20:31:22.64		HE					Est	Fase	P h:m:s	Dur	Co	Amp	Per
PCDRA	e Pg	20:31:04.11		HZ	2.877	0.3			PBRG	e P	15:29:57.06		BZ	0.072	1.9
	e Sn	20:31:23.20		HE				MVO	e P	15:30:00.17		BZ			
	e Sg	20:31:27.91		HE				PVRL	e P	15:30:03.59		SZ	0.035	1.5	

PBAR	e P	15:30:03.67	BZ			
POLO	e P	15:30:06.76	BZ			
PCBR	e P	15:30:02.08	SZ	0.048	1.8	
PMRV	e P	15:30:03.69	BZ	0.048	1.9	
PGAV	e P	15:30:08.03	BZ			
PESTR	e P	15:30:05.42	BZ	0.030	2.0	
PCAS	e P	15:30:10.26	BZ			

06-Jan	Ho	16:52:43.1			ML 1.9	
	Lat	38.432°N	Lon	04.592°W	Prof	0*
	Região: NE Cordova (ESP)				Rms	0.3
	AxMax	2.9	AxMin	2.3	Ang	78
					ErrZ	0
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp</i>	<i>Per</i>
PBAR	e Pg	16:53:18.75		HZ	0.006	0.4
	e Sg	16:53:44.57		HN		
PESTR	e Pg	16:53:27.94		HZ	0.004	0.4
	e Sg	16:53:58.55		HN		
PMRV	e Pg	16:53:28.08		HZ	0.004	0.4
	e Sg	16:53:59.58		HE		
PVAQ	e Sg	16:54:04.34		HE		
PCVE	e Sn	16:54:04.69		HN	0.002	0.4

07-Jan	<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp</i>	<i>Per</i>
	PBAR	e Pg	01:25:01.05		HZ	0.004	0.6
		e Sn	01:25:28.99		HE		
		e Sg	01:25:40.63		HE		
MESJ	e Pn	01:25:07.91		HZ	0.003	0.4	
	e Sn	01:25:51.62		HE			
PESTR	e Sn	01:25:43.04		HE	0.005	0.4	
	e Sg	01:25:57.37		HE			
PMRV	e Sn	01:25:43.47		HE	0.004	0.3	
	e Sg	01:25:59.79		HN			
PMTG	e Sn	01:25:55.15		HE	0.005	0.6	
PCBR	e Sg	01:26:07.91		EE			
PSBE	e Sn	01:26:08.89		HE	0.006	0.6	

07-Jan	Ho	02:14:20.8			ML 0.7	
	Lat	38.869°N	Lon	07.707°W	Prof	17
	Região: S Sousel				Rms	0.2
	AxMax	1.4	AxMin	1.1	Ang	92
					ErrZ	2
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp</i>	<i>Per</i>
PESTR	e Pg	02:14:24.38		HZ	0.003	0.1
	e Sg	02:14:26.71		HN		
EVO	e Pg	02:14:28.76		HZ	0.005	0.1
	e Sg	02:14:34.48		HE		
PMTG	e Pg	02:14:29.40		HZ	0.003	0.2
	e Sg	02:14:35.61		HN		
PMRV	e Pg	02:14:32.43		HZ		
	e Sg	02:14:40.54		HE		
PBAR	e P	02:14:36.75		HZ		
	e S	02:14:48.05		HN		
PACT	e S	02:14:50.20		BE		
PCBR	e S	02:14:51.99		EE	0.002	0.7
PNCL	e S	02:14:52.26		HN		
MTE	e Sg	02:15:08.31		HE		

07-Jan	<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp</i>	<i>Per</i>
	PBAR	e Sg	02:20:41.40		HN		
	PVAQ	e Sg	02:20:47.09		HE		
	PBDV	e Sg	02:20:52.31		HN		

07-Jan	Ho	02:24:06.8	Distante (NEIC)	MW 5.1		
	Lat	55.029°N	Lon	165.696°E	Prof	38
	Região: Komandorskiye Ostrova Region					
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp</i>	<i>Per</i>
PGAV	e P	02:36:28.37		BZ	0.083	1.6
PBRG	e P	02:36:29.47		BZ	0.037	1.9
POLO	e P	02:36:32.22		BZ	0.033	1.8
PVRL	e P	02:36:32.78		SZ	0.073	1.4
MVO	e P	02:36:33.02		BZ	0.066	1.7
PTO	e P	02:36:33.64		SZ	0.058	1.4
PVIS	e P	02:36:35.53		BZ		
MTE	e P	02:36:37.12		BZ	0.042	1.7
COI	e P	02:36:38.70		BZ		
PCAS	e P	02:36:39.00		BZ	0.109	1.6
PCBR	e P	02:36:39.78		SZ	0.051	1.0

PSBE	e P	02:36:41.75	BZ			
PMRV	e P	02:36:41.94	BZ	0.054	1.7	
PMTG	e P	02:36:43.44	BZ			
PESTR	e P	02:36:44.42	BZ	0.038	1.6	
EVO	e P	02:36:46.38	BZ	0.056	1.8	
PBAR	e P	02:36:47.31	BZ	0.047	1.9	
PVAQ	e P	02:36:51.52	BZ			

07-Jan	Ho	04:50:07.6			ML 1.7	
	Lat	36.713°N	Lon	07.443°W	Prof	21
	Região: Golfo de Cádiz				Rms	0.3
	AxMax	2.5	AxMin	1.7	Ang	53
					ErrZ	3
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp</i>	<i>Per</i>
PBDV	e P	d 04:50:20.02		HZ		
	e S	04:50:29.05		HE		
PVAQ	e P	04:50:20.98		HN		
	e S	04:50:30.27		HE		
PCVE	e P	04:50:25.54		HZ		
	e S	04:50:38.62		HE		
MORF	e P	04:50:26.66		HZ		
	e S	04:50:41.48		HE		
MESJ	e P	04:50:28.94		HZ	0.004	0.5
	e S	04:50:45.23		HE		
PTEO	e P	04:50:29.54		EZ		
	e S	04:50:45.63		EN		
PBAR	e P	04:50:31.82		HZ	0.002	0.3
	e S	04:50:49.90		HN		
PNCL	e P	04:50:33.81		HZ		
	e S	04:50:52.97		HE		
PESTR	e P	04:50:40.72		HZ	0.001	0.2
	e S	04:51:05.62		HE		
PMTG	e P	04:50:44.70		HZ	0.002	0.1
	e S	04:51:12.13		HE		
PMRV	e P	04:50:48.49		HZ		
	e S	04:51:18.63		HE		
PSBE	e P	04:50:53.02		HZ		
PCBR	e P	04:50:54.19		EZ		
	e S	04:51:28.85		EN		
MTE	e S	04:51:42.94		HN		
PVIS	e S	04:51:51.47		HN		
MVO	e S	04:52:00.36		HE	0.002	0.7
POLO	e S	04:52:06.35		HN		

07-Jan	Ho	06:47:14.5	Distante (NEIC)	MW 5.5		
	Lat	24.756°N	Lon	94.913°E	Prof	23
	Região: Myanmar-India Border Region					
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp</i>	<i>Per</i>
PBRG	e P	06:59:32.18		BZ	0.083	1.8
MVO	e P	06:59:35.00		BZ	0.163	1.3
PVRL	e P	06:59:36.91		SZ	0.108	1.4
POLO	e P	06:59:37.17		BZ	0.041	1.6
PGAV	e P	06:59:35.86		BZ	0.144	1.4
MTE	e P	06:59:38.72		BZ	0.196	1.4
PVIS	e P	06:59:39.29		BZ		
PCBR	e P	06:59:39.66		SZ	0.145	1.5
PMRV	e P	06:59:40.04		BZ	0.116	1.4
PTO	e P	06:59:40.65		SZ	0.152	1.3
PBAR	e P	06:59:41.90		BZ	0.193	1.7
COI	e P	06:59:42.49		BZ	0.156	1.2
PESTR	e P	06:59:41.94		BZ	0.084	1.6
PCAS	e P	06:59:42.93		BZ		
PMTG	e P	06:59:43.99		BZ	0.135	1.3
EVO	e P	06:59:44.66		BZ	0.156	1.6
PSBE	e P	06:59:45.36		BZ	0.226	1.7
PBEJ	e P	06:59:45.26		SZ	0.141	1.4
PVAQ	e P	06:59:46.36		BZ		
PCVE	e P	06:59:46.48		BZ	0.075	1.5
MESJ	e P	06:59:47.08		BZ	0.186	1.3
PBDV	e P	06:59:47.66		BZ	0.293	1.3
PNCL	e P	06:59:47.71		BZ	0.091	1.6
PMFR	e P	06:59:48.05		BZ		
PSES	e P	06:59:48.99		BZ	0.295	1.4
PTEO	e P	06:59:49.64		SZ	0.180	1.5
MORF	e P	06:59:50.36		BZ	0.178	1.2
PFVI	e P	06:59:50.56		BZ	0.272	1.2

07-Jan	Ho	12:05:57.5			ML 2.8
	Lat	31.429°N	Lon	08.422°W	Prof 5*
	Região: Morocco				Rms 0.4
	AxMax	16.0	AxMin	3.6	Ang 60
					ErrZ 0
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp Per</i>
PFVI	e S	12:08:25.49		HE	
PBDV	e P	12:07:25.08		HZ	0.005 0.8
	e S	12:08:28.83		HN	
MORF	e S	12:08:30.12		HE	0.005 0.1
PVAQ	e S	12:08:31.91		HE	
PTEO	e S	12:08:34.97		EE	
PCVE	e P	12:07:28.69		HZ	0.005 0.6
	e S	12:08:37.55		HE	
MESJ	e P	12:07:31.02		HZ	0.003 0.3
	e S	12:08:42.60		HE	
PNCL	e S	12:08:48.55		HE	
PBAR	e S	12:08:52.31		HE	0.004 0.6
EVO	e S	12:08:58.34		HN	0.003 0.3
PESTR	e S	12:09:07.91		HN	
PMAFR	e S	12:09:10.06		HN	
PMTG	e P	12:07:48.60		HZ	0.003 0.9
	e S	12:09:11.83		HN	
PMRV	e P	12:07:53.48		HZ	
	e S	12:09:21.80		HE	

08-Jan	Ho	00:35:37.4			ML 2.5
	Lat	43.579°N	Lon	16.332°W	Prof 16*
	Região: Abissal Ibérica				Rms 0.4
	AxMax	9.9	AxMin	7.0	Ang 53
					ErrZ 0
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp Per</i>
PGAV	e P	00:37:00.87		HZ	0.005 0.9
	e S	00:38:04.26		HE	
PCAB	e P	00:37:06.04		HZ	
POLO	e P	00:37:10.08		HZ	
	e S	00:38:19.37		HN	
PVRL	e P	00:37:10.90		SZ	
PCAS	e P	00:37:11.17		HZ	
	e S	00:38:21.64		HN	
PVIS	e P	00:37:11.67		HZ	0.003 0.6
	e S	00:38:23.64		HN	
PSBE	e P	00:37:12.98		HZ	0.006 0.6
	e S	00:38:26.27		HE	
PMAFR	e P	00:37:14.05		HZ	
	e S	00:38:27.07		HE	
MTE	e P	00:37:16.70		HZ	
	e S	00:38:32.35		HN	
PBRG	e P	00:37:18.28		HZ	
	e S	00:38:35.53		HE	
MVO	e P	00:37:17.81		HZ	0.004 1.0
	e S	00:38:32.97		HN	
PACT	e P	00:37:19.53		BZ	
	e S	00:38:38.61		BE	
PMTG	e P	00:37:21.30		HZ	
	e S	00:38:39.48		HE	
PCBR	e P	00:37:21.25		EZ	
	e S	00:38:40.61		EE	
PMRV	e P	00:37:24.67		HZ	
	e S	00:38:47.28		HN	
PNCL	e P	00:37:28.08		HZ	
	e S	00:38:51.28		HN	
EVO	e P	00:37:27.83		HZ	
	e S	00:38:51.18		HE	
PESTR	e P	00:37:27.92		HZ	
	e S	00:38:51.50		HE	
MESJ	e P	00:37:33.25		HZ	
	e S	00:39:02.10		HN	
MORF	e P	00:37:36.66		HZ	
	e S	00:39:04.59		HN	
PBAR	e P	00:37:39.06		HZ	
	e S	00:39:10.45		HN	
PBDV	e P	00:37:41.08		HZ	
	e S	00:39:15.23		HN	
PVAQ	e P	00:37:41.53		HE	
	e S	00:39:15.22		HE	

08-Jan	Est	Fase	P h:m:s	Dur	Co	Amp	Per
	PBAR	e Pn	03:56:33.92		HZ	0.002	0.6
		e Sn	03:57:13.12		HE		
	PVAQ	e Pn	03:56:38.33		HE		
		e Sn	03:57:21.21		HN		
	PESTR	e Pn	03:56:44.03		HZ	0.003	0.9
		e Sn	03:57:32.05		HN		
	MESJ	e Pn	03:56:44.99		HZ		
	PMRV	e Pn	03:56:47.20		HZ		

08-Jan	Ho	06:55:40.5			ML 1.7
	Lat	35.503°N	Lon	03.807°W	Prof 0*
	Região: Alboran				Rms 0.3
	AxMax	2.3	AxMin	2.0	Ang 73
					ErrZ 0
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp Per</i>
PVAQ	e Pn	06:56:37.63		HE	
	e Sn	06:57:20.45		HN	
PBAR	e Pn	06:56:40.27		HZ	
PBDV	e Sn	06:57:21.69		HE	
MESJ	e Pn	06:56:45.53		HZ	
PESTR	e Pn	06:56:51.75		HZ	
	e Sn	06:57:42.16		HE	
PNCL	e Pn	06:56:50.24		HZ	
PMTG	e Pn	06:56:56.32		HZ	

08-Jan	Ho	06:59:21.0			ML 2.2
	Lat	35.434°N	Lon	03.779°W	Prof 2*
	Região: NE Al Hoceima (MARR)				Rms 0.4
	AxMax	2.5	AxMin	2.4	Ang 16
					ErrZ 0
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp Per</i>
PVAQ	e Pn	07:00:18.14		HE	
	e Sn	07:01:01.16		HN	
PBAR	e Pn	07:00:21.11		HZ	0.006 0.3
	e Sn	07:01:02.85		HE	
PBDV	e Pn	07:00:18.88		HZ	0.005 0.6
	e Sn	07:01:01.78		HN	
PCVE	e Pn	07:00:23.43		HZ	0.005 0.7
	e Sn	07:01:08.29		HE	
MESJ	e Pn	07:00:26.83		HZ	
	e Sn	07:01:15.14		HE	
EVO	e Pn	07:00:29.84		HZ	
	e Sn	07:01:20.42		HN	
PESTR	e Pn	07:00:30.98		HZ	
	e Sn	07:01:24.29		HE	
PNCL	e Pn	07:00:30.95		HZ	0.003 0.6
	e Sn	07:01:20.43		HN	
PMRV	e Pn	07:00:34.94		HZ	
PMTG	e Pn	07:00:37.55		HZ	
PSBE	e Pn	07:00:32.78		HZ	
	e Pn	07:00:46.14		HZ	

08-Jan	Ho	15:37:49.1			ML 1.2
	Lat	36.631°N	Lon	07.112°W	Prof 17
	Região: Golfo de Cádiz				Rms 0.1
	AxMax	3.0	AxMin	2.4	Ang 161
					ErrZ 2
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp Per</i>
PBDV	e P	15:38:05.26		HZ	0.004 0.6
	e S	15:38:17.40		HN	
PVAQ	e P	15:38:05.52		HN	
	e S	15:38:17.90		HE	
PCVE	e P	15:38:10.45		HZ	0.001 0.3
	e S	15:38:26.09		HN	
MORF	e P	15:38:12.00		HZ	0.002 0.3
	e S	15:38:30.04		HE	
MESJ	e P	15:38:13.77		HZ	0.003 0.7
	e S	15:38:32.13		HE	
PBAR	e P	15:38:14.45		HZ	0.001 0.2
	e S	15:38:33.24		HE	
PTEO	e P	15:38:14.90		EZ	
	e S	15:38:33.96		EN	
PNCL	e S	15:38:40.99		HN	

08-Jan	Ho	16:20:12.3			ML 2.9		
	Lat	36.343°N	Lon	02.553°E	Prof 11*		
	Região:	N Argélia (ALG)			Rms 0.5		
	AxMax	6.5	AxMin	4.6	Ang 124	ErrZ 0	
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp</i>	<i>Per</i>	
PBAR	e P	16:22:05.80		HZ			
	e S	16:23:30.41		HE			
PVAQ	e P	16:22:11.15		HN			
	e S	16:23:40.50		HE			
PESTR	e P	16:22:13.77		HZ			
	e S	16:23:44.90		HN			
PMRV	e P	16:22:13.73		HZ			
	e S	16:23:44.11		HN			
PCBR	e P	16:22:17.95		EZ			
MESJ	e P	16:22:17.05		HZ			
	e S	16:23:54.44		HE			
MVO	e P	16:22:20.80		HZ			
	e S	16:23:53.86		HE			
PMTG	e P	16:22:20.35		HZ			
	e S	16:23:56.46		HE			
PNCL	e P	16:22:21.05		HZ			
PBRG	e P	16:22:22.62		HZ			
PVIS	e P	16:22:25.74		HZ			
PVRL	e P	16:22:27.28		SZ			
POLO	e P	16:22:28.72		HZ			
PGAV	e P	16:22:36.68		HZ			
	e S	16:24:26.75		HE			

08-Jan	Ho	18:42:15.1			ML 1.8		
	Lat	39.759°N	Lon	03.802°W	Prof 11		
	Região:	SE Toledo (ESP)			Rms 0.5		
	AxMax	3.2	AxMin	2.9	Ang 19	ErrZ 5	
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp</i>	<i>Per</i>	
PMRV	e Pn	18:42:58.77		HZ	0.002	0.4	
	e Pg	18:43:04.74		HZ			
	e Sn	18:43:30.41		HN			
	e Sg	18:43:41.30		HN			
MVO	e Sn	18:43:31.95		HN	0.003	0.4	
	e Sg	18:43:42.78		HN			
PBAR	e Sg	18:43:49.26		HE	0.003	0.4	
PBRG	e Sg	18:43:48.28		HE	0.002	0.3	
PESTR	e Sg	18:43:49.07		HE			
PMTG	e Pn	18:43:08.63		HZ	0.002	0.6	
	e Sg	18:44:01.60		HN			
PVAQ	e Sg	18:44:16.49		HN			
PGAV	e Sn	18:44:00.04		HN			
	e Sg	18:44:19.52		HE			
PNCL	e Sn	18:44:02.89		HE			
	e Sg	18:44:23.66		HE			

08-Jan	Ho	19:00:06.1			ML 2.2		
	Lat	36.610°N	Lon	04.604°W	Prof 72		
	Região:	SW Malaga (ESP)			Rms 0.4		
	AxMax	4.7	AxMin	3.4	Ang 84	ErrZ 7	
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp</i>	<i>Per</i>	
PBAR	e P	19:00:44.03		HZ	0.008	0.2	
	e S	19:01:13.14		HN			
PVAQ	e P	19:00:45.50		HN			
	e S	19:01:15.31		HN			
PBDV	e P	19:00:47.52		HZ	0.006	0.5	
	e S	19:01:18.71		HE			
PCVE	e P	19:00:49.73		HZ	0.006	0.5	
	e S	19:01:23.18		HE			
PBEJ	e S	19:01:23.92		EE			
MESJ	e P	19:00:52.78		HZ	0.004	0.3	
	e S	19:01:27.93		HE			
PESTR	e P	19:00:54.90		HZ	0.006	0.4	
	e S	19:01:31.22		HE			
EVO	e P	19:00:55.76		HZ	0.012	0.3	
	e S	19:01:32.84		HE			
MORF	e P	19:00:55.03		HZ	0.006	0.6	
	e S	19:01:32.24		HN			
PFVI	e P	19:00:56.49		HZ	0.004	0.5	
	e S	19:01:34.03		HN			
PTEO	e P	19:00:57.03		EZ	0.006	0.5	
	e S	19:01:35.32		EN			
PNCL	e P	19:00:57.25		HZ	0.003	0.4	
	e S	19:01:35.41		HN			

PMRV	e P	19:00:58.74		HZ	0.005	0.3	
	e S	19:01:38.19		HE			
PMTG	e P	19:01:02.35		HZ	0.003	0.8	
	e S	19:01:43.10		HE			
PCBR	e S	19:01:46.52		EE			
PACT	e S	19:01:50.80		BN			
PMAFR	e S	19:01:58.09		HN			
PSBE	e S	19:01:58.24		HN			
PCAS	e S	19:02:03.72		HE			
MVO	e P	19:01:17.48		HZ			
	e S	19:02:10.00		HN			
POLO	e S	19:02:21.03		HN			
PGAV	e S	19:02:36.44		HN			

08-Jan	Ho	20:08:35.2			ML 1.5		
	Lat	36.519°N	Lon	09.724°W	Prof 16		
	Região:	SW Cabo S.Vicente			Rms 0.3		
	AxMax	11.6	AxMin	5.8	Ang 104	ErrZ 5	
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp</i>	<i>Per</i>	
PFVI	e P	20:08:52.09		HZ	0.008	0.7	
	e S	20:09:04.94		HN			
MORF	e S	20:09:10.32		HE	0.004	0.3	
PTEO	e S	20:09:13.58		EN	0.007	0.7	
PBDV	e P	20:09:01.49		HZ	0.003	0.5	
	e S	20:09:21.09		HN			
PCVE	e S	20:09:25.46		HN			
MESJ	e S	20:09:25.22		HE			
PVAQ	e P	20:09:04.65		HN			
	e S	20:09:26.41		HN			
PNCL	e P	20:09:05.32		HZ	0.006	0.6	
	e S	20:09:26.61		HE			
PBAR	e P	20:09:16.81		HZ	0.002	0.8	
	e S	20:09:47.78		HN			
PMTG	e P	20:09:17.40		HZ			

08-Jan	Ho	20:08:35.2			ML 1.5		
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp</i>	<i>Per</i>	
PBAR	e Pg	20:49:57.09		HZ	0.003	0.6	
	e Sn	20:50:24.90		HE			
	e Sg	20:50:38.45		HN			
PVAQ	e Sn	20:50:37.44		HE			
	e Sg	20:50:55.14		HN			
PESTR	e Sn	20:50:39.28		HN	0.006	0.7	
	e Sg	20:50:55.33		HN			
PMRV	e Sn	20:50:39.80		HN	0.004	0.3	
	e Sg	20:50:56.31		HE			
EVO	e Sn	20:50:45.07		HN			
	e Sg	20:51:03.30		HN			
MESJ	e Sn	20:50:47.74		HN			
PMTG	e Sn	20:50:50.92		HN	0.004	0.6	
	e Sg	20:51:11.84		HE			

08-Jan	Ho	23:03:21.9			ML 1.2		
	Lat	37.255°N	Lon	07.869°W	Prof 5*		
	Região:	N S.Brás de Alportel			Rms 0.3		
	AxMax	3.7	AxMin	2.3	Ang 139	ErrZ 0	
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp</i>	<i>Per</i>	
PBDV	e Pg	d 23:03:23.15		HZ	0.044	0.1	
	e Sg	23:03:24.50		HE			
PVAQ	e Pg	c 23:03:25.42		HZ			
	e Sg	23:03:28.39		HN			
PCVE	e Pg	23:03:29.16		HZ	0.005	1.4	
	e Sg	23:03:34.46		HN			
MORF	e P	23:03:32.83		HZ	0.004	0.1	
	e S	23:03:43.84		HE			
MESJ	e P	23:03:34.24		HZ	0.005	0.4	
	e S	23:03:42.69		HN			
PTEO	e P	23:03:35.70		EZ	0.006	0.6	
	e S	23:03:48.07		EN			
PBEJ	e S	23:03:46.92		EE			
PFVI	e P	23:03:35.60		HZ	0.011	0.7	
	e S	23:03:47.17		HE			
PNCL	e P	23:03:40.11		HZ	0.005	0.4	
	e S	23:03:53.40		HN			
PBAR	e P	23:03:42.83		HZ	0.003	0.4	
	e S	23:03:57.84		HN			
EVO	e S	23:04:01.95		HE	0.004	0.1	
PESTR	e Sg	23:04:13.25		HE			

PMTG e Pg 23:03:57.70 HZ 0.001 0.1
e Sg 23:04:18.19 HE
PMRV e Sg 23:04:29.73 HE 0.002 0.7

09-Jan Ho 03:58:27.1 ML 1.3
Lat 37.889°N Lon 09.700°W Prof 1*
Região: W Sines Rms 0.3
AxMax 5.7 AxMin 3.0 Ang 82 ErrZ 0

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PTEO	e P	03:58:42.50		EZ	0.007	0.2
	e S	03:58:54.27		EE		
PNCL	e P	03:58:43.81		HZ	0.002	0.3
	e S	03:58:57.56		HE		
MORF	e P	03:58:45.61		HZ	0.006	0.1
	e S	03:58:59.53		HE		
PFVI	e P	03:58:45.90		HZ	0.005	0.5
	e S	03:58:59.58		HN		
MESJ	e P	03:58:48.23		HZ	0.003	0.5
	e S	03:59:04.32		HE		
PCVE	e P	03:58:51.22		HZ	0.003	0.4
	e S	03:59:09.34		HE		
EVO	e S	03:59:13.18		HN		
PBDV	e Sg	03:59:16.57		HN	0.003	0.7
PVAQ	e Pn	03:58:56.38		HE		
	e Sg	03:59:19.69		HE		
PMTG	e Pn	03:58:56.04		HZ	0.006	0.7
	e Sn	03:59:16.40		HN		
PESTR	e Sn	03:59:24.79		HE		
PBAR	e Sg	03:59:35.02		HN	0.001	0.9

09-Jan Ho 10:34:48.5 ML 1.8
Lat 39.525°N Lon 08.933°W Prof 6
Região: SE Alcobaca Rms 0.4
AxMax 5.4 AxMin 1.9 Ang 98 ErrZ 4

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PSBE	e Pg	10:34:51.30		HZ	0.126	0.5
	e Sg	10:34:53.94		HN		
PCAS	e Pg	10:34:59.82		HZ	0.014	0.1
	e Sg	10:35:08.83		HE		
PMAFR	e Pg	10:35:00.10		HZ	0.035	0.5
	e Sg	10:35:09.07		HN		
PMTG	i P	10:35:01.70		HZ	0.020	0.1
	e S	10:35:11.31		HN		
PACT	i P	10:35:02.74		BZ		
	e S	10:35:14.37		BE		
COI	e S	10:35:14.04		HN	0.038	0.3
PCBR	e P	10:35:09.29		EZ	0.007	0.2
	e S	10:35:25.54		EN		
PMRV	e P	10:35:10.25		HZ	0.013	0.3
	e S	10:35:26.43		HN		
EVO	e P	10:35:10.61		HZ	0.025	0.1
	e S	10:35:27.19		HE		
PESTR	e P	10:35:10.70		HZ	0.017	0.4
	e S	10:35:26.90		HN		
MTE	e P	10:35:13.13		HZ	0.009	0.5
	e S	10:35:31.45		HN		
PVIS	e S	10:35:32.09		HE	0.013	0.3
PNCL	e Pn	10:35:14.22		HZ	0.006	0.1
	e Sg	10:35:34.00		HN		
MESJ	e Pg	10:35:20.23		HZ	0.004	0.3
	e Sg	10:35:44.64		HN		
PTEO	e Pg	10:35:24.00		EZ		
	e Sg	10:35:50.50		EN		
PBAR	e Pn	10:35:21.34		HZ	0.009	0.7
	e Pg	10:35:24.88		HZ		
	e Sn	10:35:46.72		HE		
	e Sg	10:35:52.20		HE		
PCVE	e Pn	10:35:20.72		HZ	0.004	0.6
	e Pg	10:35:25.21		HZ		
	e Sg	10:35:53.27		HE		
POLO	e Sn	10:35:45.83		HN		
	e Sg	10:35:51.69		HN		
MVO	e Pn	10:35:23.68		HZ	0.007	0.4
	e Sn	10:35:48.97		HE		
	e Sg	10:35:57.64		HN		
MORF	e Pg	10:35:29.01		HZ		
PCAB	e Sg	10:36:00.50		HN	0.006	0.2

PVAQ e Pg 10:35:31.51 HN
e Sn 10:35:53.17 HN
e Sg 10:36:02.17 HN
PBRG e Sg 10:36:16.63 HE

09-Jan Ho 13:21:39.3 ML 3.0
Lat 37.987°N Lon 01.405°W Prof 13
Região: W Murcia (ESP) Rms 0.4
AxMax 3.5 AxMin 2.9 Ang 124 ErrZ 5

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PBAR	e Pn	13:22:45.14		HZ	0.023	0.6
	e Sn	13:23:36.49		HE		
	e Sg	13:23:59.51		HN		
PMRV	e Sg	13:24:14.30		HE	0.028	0.5
PESTR	e Pn	13:22:52.69		HZ	0.027	0.5
	e Sn	13:23:46.43		HE		
	e Sg	13:24:14.73		HE		
PVAQ	e Pn	13:22:54.25		HN		
	e Sn	13:23:49.90		HN		
PCBR	e Sg	13:24:20.14		EN	0.015	0.4
PBEJ	e Sg	13:24:17.54		EN	0.011	0.4
EVO	e Sn	13:23:53.30		HN	0.023	0.8
	e Sg	13:24:24.80		HN		
PBDV	e Sg	13:24:24.69		HN	0.016	0.7
PCVE	e Pn	13:22:56.47		HZ	0.012	0.6
	e Sg	13:24:25.98		HN		
MTE	e Sg	13:24:26.64		HN	0.017	0.5
MVO	e Pn	13:22:58.39		HZ	0.017	0.4
	e Sn	13:23:55.74		HN		
	e Sg	13:24:29.58		HE		
PMTG	e Pn	13:23:00.49		HZ	0.027	0.5
	e Sn	13:23:57.88		HN		
	e Sg	13:24:32.07		HE		
PBRG	e Pn	13:23:01.36		HZ	0.014	0.5
	e Sg	13:24:34.95		HN		
PNCL	e Sg	13:24:36.25		HN	0.010	0.6
PVIS	e Sg	13:24:39.59		HN	0.016	0.6
PCAS	e Sn	13:24:09.15		HN	0.017	0.7
	e Sg	13:24:45.10		HE		
POLO	e Sg	13:24:47.95		HN	0.007	0.5

09-Jan Ho 15:45:34.4 ML 2.8
Lat 37.989°N Lon 01.409°W Prof 17
Região: W Murcia (ESP) Rms 0.4
AxMax 2.4 AxMin 2.1 Ang 105 ErrZ 4

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PBAR	e Pn	15:46:41.53		HZ	0.008	0.5
	e Sn	15:47:31.23		HN		
	e Sg	15:47:53.62		HN		
PESTR	e Sn	15:47:40.93		HE	0.010	0.6
	e Sg	15:48:10.39		HN		
PCBR	e Sg	15:48:13.32		EN	0.009	0.6
PMTG	e Sn	15:47:52.80		HN	0.012	0.6

09-Jan
Est Fase P h:m:s Dur Co Amp Per
PBAR e Pn 21:13:22.41 HZ 0.002 0.7
e Sg 21:14:07.76 HE
PMRV e Sg 21:14:27.37 HE

09-Jan Ho 23:03:35.9 ML 1.0
Lat 36.954°N Lon 08.378°W Prof 13
Região: SW Albufeira Rms 0.3
AxMax 5.5 AxMin 3.7 Ang 14 ErrZ 5

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PFVI	e Sg	23:03:48.81		HE		
MORF	e Pg	23:03:43.95		HZ	0.005	1.0
	e Sg	23:03:49.19		HE		
PBDV	e Pg	23:03:43.94		HZ	0.005	0.5
	e Sg	23:03:50.62		HN		
PTEO	e Pg	23:03:48.42		EZ		
	e Sg	23:03:56.25		EN		
PVAQ	e Pg	23:03:48.41		HN		
	e Sg	23:03:58.00		HE		
PCVE	e P	23:03:49.06		HZ	0.002	0.4
	e S	23:03:59.19		HE		
MESJ	e P	23:03:52.50		HZ	0.003	1.0
	e S	23:04:03.98		HN		

PBEJ	e S	23:04:11.12	EE	0.002	0.6
PNCL	e P	23:03:56.42	HZ	0.002	0.1
	e S	23:04:11.43	HN		
EVO	e Sg	23:04:25.63	HN		
PBAR	e Sg	23:04:26.75	HE		
PMTG	e Sg	23:04:41.53	HN		

10-Jan	Ho	02:51:31.0	Distante (IPMA)		MW	7.3
	Lat	17.340°N	Lon	83.610°W	Prof	10
Região: North of Honduras						
Est	Fase	P	h:m:s	Dur	Co	Amp Per
PAGU	e P		03:00:51.56		BZ	1.270 1.7
PCALD	P		03:01:02.80		EZ	
PMOZ	e P		03:01:47.10		BZ	1.186 1.7
	i S		03:10:12.02		LN	
	e LQ		03:16:54.66		LN	
	e LR		03:20:07.53		LZ	163.0 20
PMSOL	e P		03:01:48.07		SZ	0.481 1.6
PMAR	e P		03:01:48.35		BZ	0.729 1.7
FUL	e P		03:01:48.04		EZ	0.422 1.8
PMPS	e P		03:01:51.44		SZ	0.997 1.7
PMPST	e P		03:01:51.56		BZ	0.858 1.5
PMAFR	e P		03:02:26.88		BZ	0.934 1.3
	e P'P'		03:31:01.12		BZ	
GGNV	e P		03:02:27.34		BZ	0.577 1.6
PSES	e P		03:02:27.35		BZ	1.296 2.0
PTO	e P		03:02:29.31		SZ	0.665 1.9
PFVI	e P		03:02:29.80		BZ	0.882 1.8
PCAS	e P		03:02:29.90		BZ	0.802 2.0
	e P'P'		03:30:59.25		BZ	
PTEO	e P		03:02:30.70		SZ	1.518 1.6
PGAV	e P		03:02:28.52		BZ	0.873 1.8
	i S		03:11:30.42		LN	
	e LQ		03:18:55.91		LN	
	e LR		03:22:41.79		LZ	194.0 20
	e P'P'		03:31:09.40		BZ	
COI	e P		03:02:31.00		BZ	1.031 1.4
MORF	e P		03:02:31.24		BZ	0.999 1.6
	e P'P'		03:30:58.99		BZ	
PNCL	e P		03:02:30.81		BZ	0.374 2.2
PMTG	e P		03:02:31.23		BZ	0.644 1.4
	e P'P'		03:30:58.00		BZ	
MESJ	e P		03:02:32.28		BZ	0.633 1.7
PVIS	e P		03:02:32.73		BZ	71.90 9.8
	e P'P'		03:30:58.16		BZ	
POLO	e P		03:02:32.87		BZ	0.275 1.9
	e P'P'		03:31:01.04		BZ	
PVRL	e P		03:02:33.98		SZ	0.507 1.7
	e P'P'		03:30:53.93		SZ	
EVO	e P		03:02:32.82		BZ	0.460 1.3
	e P'P'		03:30:58.68		BZ	
PCVE	e P		03:02:34.20		BZ	0.553 1.7
PBEJ	e P		03:02:33.47		SZ	0.432 1.7
	e P'P'		03:30:53.01		SZ	
PBDV	e P		03:02:34.64		BZ	1.093 1.6
	e P'P'		03:30:55.00		BZ	
MTE	e P		03:02:34.04		BZ	0.760 1.4
	i S		03:11:37.42		LN	
	e LQ		03:19:12.12		LN	
	e LR		03:23:15.34		LZ	191.0 20
	e P'P'		03:30:54.87		BZ	
PCBR	e P		03:02:35.09		SZ	0.850 1.7
	e P'P'		03:30:51.88		SZ	
PESTR	e P		03:02:34.96		BZ	0.810 1.6
	e P'P'		03:30:51.53		BZ	
PVAQ	e P		03:02:35.59		BZ	0.056 1.7
	e S		03:11:40.45		LN	
	e LQ		03:19:22.33		LN	
	e LR		03:22:16.13		LZ	23.85 18
PMRV	e P		03:02:35.84		BZ	0.581 2.1
	i S		03:11:41.33		LN	
	e LQ		03:19:16.95		LN	
	e LR		03:22:34.05		LZ	175.0 24
	e P'P'		03:30:54.98		BZ	
MVO	e P		03:02:36.27		BZ	0.465 1.5
	i S		03:11:40.81		LN	
	e LQ		03:19:18.17		LN	
	e LR		03:23:06.87		LZ	173.0 20

	e P'P'	03:30:51.99	BZ		
PBRG	e P	03:02:37.72	BZ	0.907	1.6
	e P'P'	03:30:54.04	BZ		
PBAR	e P	03:02:37.83	BZ	0.510	1.9
	e P'P'	03:30:54.81	BZ		

10-Jan	Ho	03:16:44.3	Distante (NEIC)		MB	5.0
	Lat	18.203°S	Lon	69.391°W	Prof	125
Região: Northern Chile						
Est	Fase	P	h:m:s	Dur	Co	Amp Per
PFVI	e P		03:28:34.67		BZ	
MORF	e P		03:28:37.27		BZ	
PTEO	e P		03:28:38.45		SZ	
PBDV	e P		03:28:39.88		BZ	
	e pP		03:29:09.24		BZ	
PNCL	e P		03:28:40.01		BZ	
MESJ	e P		03:28:39.20		BZ	
	e pP		03:29:07.92		BZ	
PCVE	e P		03:28:41.38		BZ	
PBEJ	e P		03:28:41.83		SZ	
EVO	e P		03:28:43.23		BZ	
PMTG	e P		03:28:42.93		BZ	
PBAR	e P		03:28:45.65		BZ	
PESTR	e P		03:28:45.37		BZ	
PCBR	e P		03:28:47.82		SZ	
MTE	e P		03:28:49.82		BZ	
PGAV	e P		03:28:51.89		BZ	
MVO	e P		03:28:52.76		BZ	
PBRG	e P		03:28:55.78		BZ	

10-Jan	Ho	04:43:37.9					ML	1.9	
	Lat	36.476°N		Lon	09.842°W		Prof	31	
	Região: SW Cabo S.Vicente							Rms	0.3
	AxMax	5.1	AxMin	3.2	Ang	74	ErrZ	9	
Est	Fase	P h:m:s		Dur	Co	Amp Per			
PFVI	e P	04:43:54.87			HZ	0.018	0.3		
	e S	04:44:07.67			HE				
MORF	e P	04:43:57.93			HZ	0.020	1.8		
	e S	04:44:13.25			HE				
PTEO	e P	04:43:59.68			EZ	0.010	0.5		
	e S	04:44:16.08			EN				
PBDV	e P	04:44:04.48			HZ	0.005	0.6		
	e S	04:44:24.20			HE				
PCVE	e P	04:44:06.47			HZ	0.004	0.6		
	e S	04:44:28.08			HE				
MESJ	e P	04:44:06.37			HZ	0.005	0.6		
	e S	04:44:27.77			HN				
PVAQ	e P	04:44:07.56			HE				
	e S	04:44:29.38			HN				
PNCL	e P	04:44:07.04			HZ	0.005	0.3		
	e S	04:44:29.06			HE				
PBEJ	e P	04:44:11.16			EZ	0.005	0.3		
	e S	04:44:35.90			EE				
EVO	e P	04:44:14.73			HZ	0.007	0.1		
	e S	04:44:42.67			HN				
PMAFR	e P	04:44:14.71			HZ	0.021	0.2		
	e S	04:44:42.86			HN				
PBAR	e P	04:44:19.23			HZ	0.007	0.7		
	e S	04:44:49.95			HE				
PMTG	e P	04:44:20.15			HZ	0.002	0.4		
	e S	04:44:51.63			HE				
PESTR	e P	04:44:21.57			HZ	0.001	0.1		
	e S	04:44:54.07			HE				
PMRV	e P	04:44:28.77			HZ	0.002	0.2		
	e S	04:45:06.80			HN				
PCAS	e P	04:44:31.66			HZ				
	e S	04:45:12.15			HN				
PCBR	e P	04:44:33.83			EZ				
	e S	04:45:14.77			EN				
MTE	e P	04:44:39.69			HZ				
	e S	04:45:26.61			HN				
PVIS	e P	04:44:41.86			HZ	0.003	0.7		
	e S	04:45:30.28			HE				
POLO	e P	04:44:50.73			HZ				
	e S	04:45:45.96			HN				
MVO	e P	04:44:51.27			HZ				
	e S	04:45:45.58			HE				

10-Jan	Ho	18:05:40.0	Distante (NEIC)		ML 2.5
	Lat	36.063°N	Lon	08.007°W	Prof 31
	Região: S Faro				Rms 0.3
	AxMax	3.9	AxMin	2.8	Ang 69 ErrZ 9
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp Per</i>
PBDV	e P	18:05:58.94		HZ	0.034 0.5
	e S	18:06:12.98		HE	
PFVI	e P	d 18:05:59.88		HZ	0.025 0.3
	e S	18:06:14.72		HN	
MORF	e P	d 18:06:01.33		HZ	0.045 0.1
	e S	18:06:17.37		HN	
PVAQ	e P	18:06:01.45		HN	
	e S	18:06:16.93		HE	
PCVE	e P	18:06:04.53		HZ	0.042 0.3
	e S	18:06:22.37		HN	
PTEO	e P	18:06:04.88		EZ	0.018 0.4
	e S	18:06:23.16		EE	
MESJ	e P	18:06:07.45		HZ	0.043 0.5
	e S	18:06:27.87		HN	
PBEJ	e P	18:06:10.02		EZ	0.015 0.1
	e S	18:06:31.56		EE	
PNCL	e P	18:06:11.41		HZ	0.014 0.1
	e S	18:06:34.36		HN	
PBAR	e P	18:06:13.66		HZ	0.014 0.4
	e S	18:06:38.50		HN	
EVO	e P	18:06:16.75		HZ	0.027 0.6
	e S	18:06:43.57		HN	
PSES	e S	18:06:46.50		HN	
PESTR	e P	18:06:22.06		HZ	0.008 0.8
	e S	18:06:52.54		HN	
PMTG	e P	18:06:24.09		HZ	0.016 0.1
	e S	18:06:56.69		HN	
PMAFR	e P	18:06:25.68		HZ	0.048 0.3
	e S	18:06:59.51		HE	
PMRV	e P	18:06:29.52		HZ	0.011 0.4
	e S	18:07:06.11		HE	
PCBR	e P	18:06:35.04		EZ	0.007 0.6
	e S	18:07:16.55		EE	
MVO	e P	18:06:53.59		HZ	0.008 0.5
	e S	18:07:48.89		HE	
POLO	e P	18:06:55.66		HZ	
	e S	18:07:53.18		HN	

11-Jan	Ho	06:59:31.0	Distante (NEIC)		MW 5.5
	Lat	33.764°N	Lon	45.749°E	Prof 10
	Região: Iran-Iraq Border Region				
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp Per</i>
PBRG	e P	07:07:19.13		BZ	0.169 1.3
MVO	e P	07:07:21.71		BZ	0.193 1.1
MTE	e P	07:07:26.12		BZ	0.265 1.3
PBAR	e P	c 07:07:25.08		BZ	0.272 1.2
PVRL	e P	07:07:25.90		SZ	0.257 1.0
PCBR	e P	07:07:26.13		SZ	0.296 1.0
PMRV	e P	07:07:25.44		BZ	0.080 1.0
POLO	e P	07:07:25.98		BZ	0.158 1.2
PVIS	e P	07:07:27.86		BZ	
PESTR	e P	07:07:27.57		BZ	0.144 1.1
PGAV	e P	07:07:26.72		BZ	0.391 1.1
PBEJ	e P	07:07:30.81		SZ	0.202 1.2
PVAQ	e P	07:07:30.73		BZ	
EVO	e P	07:07:31.43		BZ	0.075 1.3
COI	e P	07:07:31.75		BZ	0.270 1.2
PTO	e P	07:07:31.92		SZ	0.232 1.1
PMTG	e P	07:07:31.90		BZ	0.117 1.2
PCAS	e P	07:07:32.13		BZ	0.140 1.1
PBDV	e P	07:07:33.13		BZ	0.160 1.3
PCVE	e P	07:07:32.51		BZ	0.152 1.3
MESJ	e P	07:07:33.42		BZ	0.081 1.4
PNCL	e P	07:07:35.45		BZ	0.137 1.2
MORF	e P	07:07:38.48		BZ	0.118 1.8
PTEO	e P	07:07:38.78		SZ	0.137 1.1
GGNV	e P	07:07:39.89		BZ	0.287 1.4
PSES	e P	07:07:39.57		BZ	0.569 1.3
PFVI	e P	07:07:39.66		BZ	
PMPS	e P	07:08:34.63		SZ	
PMAR	e P	07:08:38.42		BZ	0.373 1.2

11-Jan	Ho	07:00:52.0	Distante (NEIC)		MB 5.3
	Lat	33.809°N	Lon	45.796°E	Prof 10
	Região: Iran-Iraq Border Region				
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp Per</i>
PBRG	e P	07:08:41.21		BZ	0.084 0.6
MVO	e P	07:08:43.82		BZ	0.139 1.2
MTE	e P	07:08:48.26		BZ	0.172 1.4
PBAR	e P	07:08:47.67		BZ	0.128 1.3
PVRL	e P	07:08:48.30		SZ	0.169 1.4
PCBR	e P	07:08:48.29		SZ	0.135 1.4
PMRV	e P	07:08:47.69		BZ	0.074 1.3
POLO	e P	07:08:48.62		BZ	0.094 1.2
PVIS	e P	07:08:50.11		BZ	
PESTR	e P	07:08:49.85		BZ	0.139 1.2
PGAV	e P	07:08:49.54		BZ	0.272 1.3
PBEJ	e P	07:08:53.16		SZ	0.083 1.4
PVAQ	e P	07:08:52.83		BZ	
COI	e P	07:08:53.93		BZ	
PTO	e P	07:08:54.16		SZ	0.152 1.0
PMTG	e P	07:08:53.93		BZ	
PCAS	e P	07:08:54.56		BZ	0.203 1.9
PCVE	e P	07:08:54.45		BZ	
PNCL	e P	07:08:57.25		BZ	0.061 1.4

11-Jan	Ho	07:14:16.5	Distante (NEIC)		MW 5.2
	Lat	33.849°N	Lon	45.764°E	Prof 10
	Região: Iran-Iraq Border Region				
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp Per</i>
PBRG	e P	07:22:04.12		BZ	0.078 1.5
MVO	e P	07:22:06.69		BZ	0.069 0.7
MTE	e P	07:22:10.93		BZ	0.086 1.5
PBAR	e P	07:22:10.20		BZ	0.067 0.9
PVRL	e P	07:22:10.85		SZ	
PCBR	e P	07:22:11.09		SZ	0.095 0.6
PMRV	e P	07:22:10.69		BZ	
POLO	e P	07:22:11.15		BZ	0.057 1.1
PVIS	e P	07:22:12.94		BZ	
PESTR	e P	07:22:12.69		BZ	0.056 1.8
PGAV	e P	07:22:11.93		BZ	0.149 1.6
PBEJ	e P	07:22:15.97		SZ	0.068 2.0
PVAQ	e P	07:22:15.97		BZ	
EVO	e P	07:22:17.99		BZ	0.039 1.9
COI	e P	07:22:16.69		BZ	0.207 2.3
PTO	e P	07:22:16.87		SZ	
PMTG	e P	07:22:16.30		BZ	0.040 2.3
PCAS	e P	07:22:16.43		BZ	0.106 1.7
PBDV	e P	07:22:18.89		BZ	
PCVE	e P	07:22:17.33		BZ	
MESJ	e P	07:22:18.45		BZ	
PNCL	e P	07:22:20.11		BZ	0.062 1.5
PMAR	e P	07:23:23.31		BZ	0.134 1.8

11-Jan	Ho	07:21:43.0	Distante (NEIC)		MB 5.4
	Lat	33.133°N	Lon	46.459°E	Prof 10
	Região: Iran-Iraq Border Region				
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp Per</i>
PBRG	e P	07:29:39.75		BZ	0.065 0.6
MVO	e P	07:29:42.10		BZ	0.090 0.9
PBAR	e P	07:29:44.69		BZ	0.095 1.4
MTE	e P	07:29:45.90		BZ	
PVRL	e P	07:29:45.78		SZ	0.138 2.4
PCBR	e P	07:29:46.16		SZ	0.131 0.9
PMRV	e P	07:29:45.91		BZ	
POLO	e P	07:29:46.18		BZ	0.047 2.2
PVIS	e P	07:29:47.73		BZ	
PESTR	e P	07:29:47.54		BZ	0.061 1.5
PGAV	e P	07:29:47.30		BZ	0.199 1.3
PBEJ	e P	07:29:50.84		SZ	0.075 1.1
PVAQ	e P	07:29:51.07		BZ	
EVO	e P	07:29:51.62		BZ	0.046 2.0
COI	e P	07:29:51.63		BZ	
PTO	e P	07:29:52.10		SZ	
PMTG	e P	07:29:51.47		BZ	
PCAS	e P	07:29:52.53		BZ	0.156 1.5
PBDV	e P	07:29:52.98		BZ	0.082 1.4
PCVE	e P	07:29:52.57		BZ	0.055 1.4
MESJ	e P	07:29:53.17		BZ	0.059 1.7
PNCL	e P	07:29:55.35		BZ	0.051 1.6

PMAFR	e P	07:29:56.56	BZ	0.306	1.7				
PMAR	e P	07:30:58.48	BZ						
11-Jan	Ho	07:39:11.0				ML 1.9			
	Lat	42.178°N	Lon	06.724°W		Prof 4			
	Região:	N Bragança				Rms 0.5			
	AxMax	7.1	AxMin	6.9	Ang	100	ErrZ	11	
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp</i>	<i>Per</i>			
PBRG	e Pg	07:39:17.89		HZ	0.038	0.1			
	e Sg	07:39:22.50		HE					
MVO	e P	07:39:30.40		HZ	0.028	0.2			
	e S	07:39:44.11		HN					
PCAB	e P	07:39:31.29		HZ	0.030	0.1			
	e S	07:39:45.81		HE					
POLO	e P	07:39:32.31		HZ	0.004	0.4			
	e S	07:39:47.25		HE					
PGAV	e P	07:39:31.71		HZ	0.018	0.1			
	e S	07:39:47.74		HN					
PVRL	e P	07:39:32.96		SZ	0.027	0.1			
	e S	07:39:48.74		SN					
PVIS	e Sg	07:40:04.97		HE					
MTE	e Sg	07:40:10.07		HN	0.010	0.4			
PCBR	e Sg	07:40:25.29		EN	0.003	0.3			
PCAS	e Sg	07:40:30.93		HN					
PMRV	e Sg	07:40:38.53		HE	0.003	0.4			
PMTG	e Sn	07:40:40.67		HE					
PESTR	e Sg	07:40:58.21		HN					
11-Jan	Ho	07:55:00.0	Distante (NEIC)			MB 5.0			
	Lat	33.711°N	Lon	45.790°E		Prof 10			
	Região:	Iran-Iraq Border Region							
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp</i>	<i>Per</i>			
PBRG	e P	08:02:48.74		BZ	0.049	1.6			
MVO	e P	08:02:51.36		BZ	0.075	1.4			
PBAR	e P	08:02:54.81		BZ	0.089	1.4			
MTE	e P	08:02:55.56		BZ	0.118	1.5			
PVRL	e P	08:02:55.46		SZ	0.082	2.3			
PCBR	e P	08:02:55.59		SZ	0.069	1.1			
PMRV	e P	08:02:56.37		BZ					
POLO	e P	08:02:55.77		BZ	0.058	1.8			
PESTR	e P	08:02:58.27		BZ	0.054	1.8			
PGAV	e P	08:02:56.89		BZ	0.133	1.5			
PBEJ	e P	08:03:00.60		SZ	0.060	1.6			
PCAS	e P	08:03:02.17		BZ					
PCVE	e P	08:03:03.03		BZ	0.047	1.8			
MESJ	e P	08:03:06.23		BZ					
11-Jan	Ho	08:00:40.0	Distante (NEIC)			MB 5.4			
	Lat	33.721°N	Lon	45.703°E		Prof 10			
	Região:	Iran-Iraq Border Region							
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp</i>	<i>Per</i>			
PBRG	e P	08:08:28.21		BZ	0.098	1.5			
MVO	e P	08:08:30.66		BZ	0.132	1.2			
PBAR	e P	08:08:35.07		BZ	0.189	1.4			
MTE	e P	08:08:35.17		BZ	0.140	1.6			
PVRL	e P	08:08:34.93		SZ	0.204	1.4			
PCBR	e P	08:08:35.20		SZ	0.155	1.2			
PMRV	e P	08:08:35.29		BZ	0.065	1.3			
POLO	e P	08:08:35.39		BZ	0.113	1.4			
PVIS	e P	08:08:37.63		BZ					
PESTR	e P	08:08:37.30		BZ	0.096	1.3			
PGAV	e P	08:08:36.41		BZ	0.282	1.3			
PBEJ	e P	08:08:40.71		SZ	0.148	1.4			
PVAQ	e P	08:08:40.31		BZ	0.011	1.2			
COI	e P	08:08:41.30		BZ	0.281	1.6			
PMTG	e P	08:08:41.07		BZ	0.076	1.5			
PCAS	e P	08:08:41.24		BZ	0.132	1.3			
PBDV	e P	08:08:42.09		BZ	0.107	1.3			
PCVE	e P	08:08:41.30		BZ	0.110	1.6			
MESJ	e P	08:08:42.75		BZ	0.066	1.6			
11-Jan	Ho	09:21:31.3				ML 1.9			
	Lat	36.776°N	Lon	06.927°W		Prof 32			
	Região:	Golfo de Cádiz				Rms 0.3			
	AxMax	3.6	AxMin	2.7	Ang	18	ErrZ	-	
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp</i>	<i>Per</i>			
PVAQ	e P	09:21:46.56		HZ	0.003	0.3			
	e S	09:21:57.60		HE					

PBDV	e P	09:21:46.90	HZ	0.009	0.2				
	e S	09:21:58.63	HE						
PCVE	e P	d 09:21:51.03	HZ	0.005	0.4				
	e S	09:22:06.13	HE						
PBAR	e P	09:21:53.42	HZ	0.005	0.1				
	e S	09:22:09.80	HE						
PBEJ	e S	09:22:11.19	EE						
MORF	e P	09:21:54.32	HZ	0.008	0.2				
	e S	09:22:11.52	HE						
MESJ	e P	09:21:54.52	HZ	0.008	0.3				
	e S	09:22:11.07	HE						
PTEO	e S	09:22:15.55	EN						
PNCL	e P	09:21:59.46	HZ	0.011	0.1				
	e S	09:22:20.18	HE						
EVO	e P	09:22:01.15	HZ	0.011	0.2				
	e S	09:22:23.07	HN						
PESTR	e S	09:22:27.88	HN	0.004	0.4				
PMTG	e P	09:22:08.67	HZ	0.003	0.3				
	e S	09:22:35.66	HN						
PMRV	e P	09:22:10.98	HZ	0.006	0.2				
	e S	09:22:39.65	HE						
PCBR	e P	09:22:16.76	EZ	0.003	0.7				
	e S	09:22:50.71	EE						

11-Jan	Ho	09:46:11.0	Distante (IPMA)			MW 5.2			
	Lat	59.440°N	Lon	30.870°W		Prof 10			
	Região:	Reykjanes Ridge							
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp</i>	<i>Per</i>			
PGAV	e P	09:51:07.57		BZ	0.163	1.7			
	e S	09:55:19.07		LN					
	e LR	09:56:29.75		LZ	3.821	20			
POLO	e P	09:51:16.71		BZ	0.045	2.0			
PBRG	e P	09:51:16.12		BZ	0.118	1.6			
PVRL	e P	09:51:16.56		SZ	0.107	1.7			
MVO	e P	09:51:17.72		BZ	0.103	1.6			
	e S	09:55:41.47		LE					
	e LR	09:56:56.40		LZ	3.374	20			
PVIS	e P	09:51:15.97		BZ					
PCAS	e P	09:51:21.48		BZ	0.160	1.7			
MTE	e P	09:51:23.14		BZ	0.093	1.5			
	e S	09:55:48.92		LN					
	e LR	09:57:21.38		LZ	3.197	20			
PCBR	e P	09:51:27.26		SZ	0.079	1.7			
PMRV	e P	09:51:33.38		BZ	0.083	1.4			
	e S	09:56:00.61		LE					
	e LR	09:57:21.97		LZ	3.467	20			
PMTG	e P	09:51:32.67		BZ					
PESTR	e P	09:51:33.55		BZ	0.066	1.1			
EVO	e P	09:51:37.56		BZ	0.040	1.2			
PNCL	e P	09:51:36.55		BZ	0.057	1.2			
PBEJ	e P	09:51:44.64		EZ	0.069	1.4			
MESJ	e P	09:51:39.51		BZ	0.074	1.8			
PBAR	e P	09:51:40.70		BZ					
PCVE	e P	09:51:44.58		BZ	0.074	1.7			
MORF	e P	09:51:46.71		BZ	0.095	1.9			
PVAQ	e P	09:51:48.21		BZ					
	e S	09:56:25.67		LE					
	A	10:00:09.19		LZ	0.998	22			
PBDV	e P	09:51:45.69		BZ	0.063	1.6			
PMOZ	e LR	09:59:14.20		LZ	1.956	20			

11-Jan	Ho	17:53:34.0	Distante (NEIC)			MW 5.5			
	Lat	23.953°S	Lon	179.951°E		Prof 521			
	Região:	South of Fiji Islands							
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp</i>	<i>Per</i>			
PGAV	e PKPdf	18:12:33.07		BZ					
PBRG	e PKPdf	18:12:34.82		BZ					
	e PKPab	18:13:22.94		BZ					
POLO	e PKPdf	18:12:35.53		BZ					
	e PKPab	18:13:23.29		BZ					
PVRL	e PKPab	18:13:23.80		SZ					
MVO	e PKPdf	18:12:36.40		BZ					
	e PKPab	18:13:24.66		BZ					
PVIS	e PKPdf	18:12:35.70		BZ					
	e PKPab	18:13:25.53		BZ					
MTE	e PKPdf	18:12:36.30		BZ					
	e PKPab	18:13:27.01		BZ					

PCAS	e PKPdf	18:12:36.55	BZ	PESTR	e P	18:39:19.49	BZ	0.084	1.3
	e PKPab	18:13:27.18	BZ	PCAS	e P	18:39:20.02	BZ	0.094	1.7
PMAR	e PKPdf	18:12:38.04	BZ	PMTG	e P	18:39:20.58	BZ	0.134	1.3
PCBR	e PKPdf	18:12:36.42	SZ	EVO	e P	18:39:21.14	BZ	0.150	1.7
	e PKPab	18:13:29.41	SZ	PBEJ	e P	18:39:21.82	SZ	0.149	2.0
PMAFR	e PKPab	18:13:29.71	BZ	PSBE	e P	18:39:26.30	BZ		
PMRV	e PKPdf	18:12:35.84	BZ	PVAQ	e P	18:39:22.54	BZ	0.024	1.3
	e PKPab	18:13:31.27	BZ		e SKS	18:50:12.79	LE		
PMTG	e PKPdf	18:12:36.83	BZ	PCVE	e P	18:39:23.14	BZ		
	e PKPab	18:13:31.07	BZ	MESJ	e P	18:39:23.44	BZ		
PESTR	e PKPdf	18:12:37.94	BZ	PBDV	e P	18:39:23.38	BZ	0.221	1.3
	e PKPab	18:13:33.05	BZ	PNCL	e P	18:39:22.80	BZ	0.182	1.8
EVO	e PKPdf	18:12:38.14	BZ	PMAFR	e P	18:39:29.20	BZ		
	e PKPab	18:13:34.07	BZ	PTEO	e P	18:39:25.61	SZ	0.233	1.5
PNCL	e PKPdf	18:12:38.54	BZ	MORF	e P	18:39:25.55	BZ	0.188	1.9
	e PKPab	18:13:34.68	BZ	PFVI	e P	18:39:27.01	BZ	0.249	1.4
PBEJ	e PKPdf	18:12:39.12	SZ						
	e PKPab	18:13:36.33	SZ						
MESJ	e PKPdf	18:12:38.41	BZ						
	e PKPab	18:13:36.19	BZ						
PTEO	e PKPdf	18:12:38.74	SZ						
	e PKPab	18:13:36.53	SZ						
PBAR	e PKPdf	18:12:38.11	BZ						
	e PKPab	18:13:37.01	BZ						
PCVE	e PKPdf	18:12:38.82	BZ						
	e PKPab	18:13:37.67	BZ						
MORF	e PKPdf	18:12:39.24	BZ						
	e PKPab	18:13:37.28	BZ						
PFVI	e PKPdf	18:12:39.42	BZ						
PVAQ	e PKPab	18:13:38.34	BZ						
PBDV	e PKPdf	18:12:39.67	BZ						

11-Jan	Ho	18:25:56.8	ML 1.7
	Lat	36.433°N	Lon 09.887°W
	Prof	31*	
	Região:	SW Cabo S.Vicente	Rms 0.4
	AxMax	13.3 AxMin 5.4 Ang 92 ErrZ 0	
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur Co Amp Per</i>
PFVI	e P	18:26:14.47	HZ 0.011 0.6
	e S	18:26:27.93	HN
MORF	e P	18:26:17.60	HZ 0.009 0.2
	e S	18:26:32.68	HN
PTEO	e S	18:26:36.67	EN 0.013 0.5
PBDV	e P	18:26:23.96	HZ 0.005 0.7
	e S	18:26:45.26	HE
PCVE	e S	18:26:47.56	HN 0.003 0.7
MESJ	e P	18:26:26.18	HZ 0.002 0.4
	e S	18:26:48.41	HE
PVAQ	e P	18:26:27.33	HN
	e S	18:26:49.45	HE
PNCL	e S	18:26:49.09	HN
PBAR	e S	18:27:10.18	HN
PMTG	e S	18:27:11.87	HE 0.003 0.8
PESTR	e S	18:27:14.08	HN
PMRV	e P	18:26:48.52	HZ
	e S	18:27:26.52	HE

11-Jan	Ho	18:26:24.0	Distante (NEIC)	MW 6.0
	Lat	18.363°N	Lon 96.078°E	Prof 19
	Região:	Myanmar		
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur Co Amp Per</i>	
MVO	e P	18:39:12.16	BZ 0.118 1.9	
	e LQ	19:07:51.96	LN	
	A	19:23:08.10	LZ 1.607 22	
PVRL	e P	18:39:15.74	SZ	
POLO	e P	18:39:18.56	BZ 0.063 2.0	
PGAV	e P	18:39:15.61	BZ 0.169 2.0	
	e LQ	19:09:39.02	LE	
	A	19:23:45.30	LZ 2.345 20	
MTE	e P	18:39:16.92	BZ 0.190 1.9	
	e SKS	18:49:43.73	LE	
	e LQ	19:17:17.56	LE	
	A	19:24:06.78	LZ 1.261 20	
PVIS	e P	18:39:16.95	BZ	
PCBR	e P	18:39:17.22	SZ 0.129 1.2	
PMRV	e P	18:39:17.01	BZ 0.104 1.2	
	e LQ	19:05:24.23	LN	
	A	19:25:22.74	LZ 1.576 20	
PBAR	e P	18:39:18.31	BZ 0.222 1.8	

11-Jan	Ho	21:42:37.9	ML 1.8
	Lat	37.657°N	Lon 04.224°W
	Prof	20	
	Região:	SE Cordova (ESP)	Rms 0.3
	AxMax	2.2 AxMin 1.5 Ang 54 ErrZ 4	
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur Co Amp Per</i>
PBAR	e Pn	21:43:13.42	HZ 0.003 0.7
	e Sg	21:43:48.82	HN
PVAQ	e Sn	21:43:52.53	HN
	e Sg	21:44:04.01	HE
PBDV	e Sg	21:44:09.55	HN
PCVE	e Sg	21:44:08.68	HE
PMRV	e Sg	21:44:12.69	HE 0.002 0.2
PMTG	e Sg	21:44:27.47	HN

11-Jan	Ho	21:50:44.8	Distante (NEIC)	MB 4.7
	Lat	33.679°N	Lon 45.666°E	Prof 10
	Região:	Iran-Iraq Border Region		
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur Co Amp Per</i>	
PBRG	e P	21:58:33.41	BZ 0.010 0.8	
	e PP	22:00:11.58	BZ	
MVO	e P	21:58:35.73	BZ 0.011 0.8	
	e PP	22:00:12.18	BZ	
PBAR	e P	21:58:39.41	BZ 0.006 0.5	
	e PP	22:00:17.82	BZ	
MTE	A	21:58:39.68	BZ 0.040 0.6	
	e P	21:58:39.73	BZ	
PVRL	i P	c 21:58:39.91	SZ 0.017 0.6	
	e PP	22:00:18.29	SZ	
PCBR	e P	c 21:58:40.20	SZ 0.053 2.0	
	e PP	22:00:18.13	SZ	
PMRV	e P	21:58:39.99	BZ	
	e PP	22:00:19.12	BZ	
POLO	e P	21:58:40.14	BZ 0.004 1.0	
	e PP	22:00:17.89	BZ	
PVIS	e PP	22:00:20.24	BZ	
PESTR	e P	21:58:41.52	BZ 0.007 0.6	
PGAV	e P	21:58:41.24	BZ	
	e PP	22:00:19.44	BZ	
PBEJ	e P	21:58:44.73	SZ 0.008 0.6	
PVAQ	e P	21:58:44.68	BZ	
PMTG	e P	21:58:45.94	BZ	
PCAS	e P	21:58:46.23	BZ 0.010 0.9	
PBDV	e P	21:58:48.00	BZ	
PCVE	e P	c 21:58:46.34	BZ 0.006 0.6	
	e PP	22:00:28.32	BZ	
MESJ	e P	21:58:47.56	BZ 0.005 0.7	
PACT	e PP	22:00:32.49	BZ	

12-Jan	Ho	00:17:12.5	ML 1.7
	Lat	36.855°N	Lon 10.892°W
	Prof	31*	
	Região:	Gorringe	Rms 0.5
	AxMax	9.3 AxMin 6.0 Ang 62 ErrZ 0	
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur Co Amp Per</i>
PFVI	e Pn	00:17:38.27	HZ 0.004 0.1
	e Sn	00:17:56.55	HN
PTEO	e Sn	00:18:02.00	EE
PNCL	e Pn	00:17:46.65	HZ 0.003 0.1
	e Sn	00:18:11.85	HN
PBDV	e Sn	00:18:14.79	HE
PCVE	e Sn	00:18:15.07	HE

PMAFR	e Pn	00:17:48.76	HZ	0.016	0.1
	e Sn	00:18:15.72	HN		
PACT	e Pn	00:17:49.77	BZ	0.011	0.3
	e Sn	00:18:19.01	BN		
PVAQ	e Sn	00:18:19.75	HE		
EVO	e Sn	00:18:24.96	HE	0.004	0.1
PMTG	e Pn	00:17:56.88	HZ	0.002	0.1
	e Sn	00:18:30.66	HE		
PSBE	e Pn	00:17:58.08	HZ		
	e Sn	00:18:32.88	HN		
PESTR	e Sn	00:18:36.35	HN		
PBAR	e Pn	00:18:01.96	HZ	0.001	0.1
	e Sn	00:18:37.25	HN		
PCAS	e Pn	00:18:06.01	HZ		
	e Sn	00:18:46.29	HN		
PMRV	e Pn	00:18:06.94	HZ	0.001	0.1
	e Sn	00:18:46.77	HN		
PCBR	e Sn	00:18:53.13	EE		
PVIS	e Sn	00:19:05.72	HN	0.002	0.1
POLO	e Sn	00:19:18.03	HN		
MVO	e Pn	00:18:26.23	HZ		
	e Sn	00:19:22.44	HN		
PGAV	e Pn	00:18:28.78	HZ		
	e Sn	00:19:27.46	HN		

12-Jan	Ho	05:55:50.9			ML 2.3
	Lat	36.862°N	Lon	11.004°W	Prof 31
	Região:	Gorringe			Rms 0.4
	AxMax	9.1	AxMin	3.8	Ang 71
					ErrZ 14
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp Per</i>
PFVI	i Pn	c 05:56:17.56		HZ	0.034 0.1
	e Sn	05:56:37.84		HN	
MORF	e Pn	05:56:19.98		HZ	0.026 0.2
	e Sn	05:56:42.10		HE	
PTEO	e Pn	05:56:20.67		EZ	0.013 0.1
	e Sn	05:56:41.96		EN	
PSSES	e Sn	05:56:47.79		HN	0.040 0.2
PNCL	e Pn	05:56:25.62		HZ	0.009 0.2
	e Sn	05:56:51.65		HN	
MESJ	e Pn	05:56:27.29		HZ	0.007 0.1
	e Sn	05:56:53.34		HE	
PBDV	e Pn	05:56:27.91		HZ	0.005 0.1
	e Sn	05:56:55.74		HN	
PCVE	e Pn	05:56:27.95		HZ	0.008 0.3
	e Sn	05:56:55.24		HN	
PMAFR	e Pn	05:56:27.10		HZ	0.015 0.2
	e Sn	05:56:55.81		HN	
PACT	e Pn	05:56:28.80		BZ	
	e Sn	05:56:58.63		BE	
PVAQ	e Pn	05:56:30.50		HZ	
	e Sn	05:56:59.98		HE	
PBEJ	e Sn	05:57:01.10		EN	0.007 0.2
EVO	e Pn	05:56:33.30		HZ	0.011 0.1
	e Sn	05:57:04.84		HE	
PMTG	e Pn	05:56:35.48		HZ	0.004 0.4
	e Sn	05:57:10.18		HN	
PSBE	e Pn	05:56:37.92		HZ	
	e Sn	05:57:12.03		HE	
PESTR	e Pn	05:56:39.59		HZ	0.003 0.6
	e Sn	05:57:16.57		HE	
PBAR	e Pn	05:56:40.82		HZ	0.005 0.2
	e Sn	05:57:16.89		HE	
PCAS	e Pn	05:56:44.63		HZ	
	e Sn	05:57:25.72		HN	
PMRV	e Pn	05:56:45.34		HZ	0.003 0.3
	e Sn	05:57:26.51		HE	
PCBR	e Pn	05:56:49.44		EZ	
	e Sn	05:57:33.11		EE	
MTE	e Pn	05:56:53.98		HZ	
	e Sn	05:57:41.74		HN	
PVIS	e Pn	05:56:55.40		HZ	
	e Sn	05:57:44.78		HE	
POLO	e Sn	05:57:58.44		HN	
MVO	e Sn	05:58:02.41		HN	
PCAB	e Pn	05:57:06.65		HZ	
	e Sn	05:58:03.10		HE	
PGAV	e Pn	05:57:07.19		HZ	
	e Sn	05:58:06.10		HE	

12-Jan	Ho	10:44:19.7			ML 2.3
	Lat	36.927°N	Lon	13.522°W	Prof 10*
	Região:	Josephine			Rms 0.5
	AxMax	8.9	AxMin	6.9	Ang 114
					ErrZ 0
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp Per</i>
PFVI	e Pn	10:45:11.50		HZ	0.010 0.6
	e Sn	10:45:50.93		HN	
PSSES	e Sn	10:45:51.79		HE	
MORF	e Sn	10:45:54.43		HN	
PMAFR	e Pn	10:45:13.68		HZ	0.179 0.2
	e Sn	10:45:55.11		HN	
PNCL	e Pn	10:45:16.35		HZ	0.002 0.1
	e Sn	10:45:59.70		HE	
MESJ	e Pn	10:45:19.01		HZ	0.002 0.1
	e Sn	10:46:04.08		HN	
PCVE	e Pn	10:45:20.63		HZ	0.001 0.3
	e Sn	10:46:06.44		HN	
PBDV	e Pn	10:45:21.61		HZ	
	e Sn	10:46:09.76		HE	
EVO	e Sn	10:46:11.84		HE	0.004 0.4
PVAQ	e Pn	10:45:24.39		HZ	
	e Sn	10:46:12.21		HE	
PMTG	e Pn	10:45:25.81		HZ	0.002 0.2
	e Sn	10:46:12.97		HE	
PCAS	e Sn	10:46:20.80		HN	0.002 0.1
PESTR	e Pn	10:45:29.67		HZ	
	e Sn	10:46:22.09		HN	
PBAR	e Pn	10:45:33.43		HZ	0.001 0.1
	e Sn	10:46:28.02		HN	
PMRV	e Sn	10:46:30.78		HE	0.001 0.1
MVO	e Sn	10:46:58.21		HN	0.002 0.1

12-Jan	Ho	19:04:52.2			ML 1.3
	Lat	41.203°N	Lon	08.029°W	Prof 25
	Região:	N Baião			Rms 0.6
	AxMax	12.1	AxMin	7.0	Ang 72
					ErrZ 13
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp Per</i>
PBAR	e P	15:22:53.87		HZ	0.003 0.6
	e S	15:23:43.22		HE	
PMRV	e S	15:23:54.46		HN	0.004 0.3
PESTR	e S	15:23:55.81		HE	0.004 0.5
PVAQ	e S	15:23:58.57		HE	
PMTG	e S	15:24:07.34		HN	0.003 0.5

12-Jan	Ho	19:04:52.2			ML 1.3
	Lat	41.203°N	Lon	08.029°W	Prof 25
	Região:	N Baião			Rms 0.6
	AxMax	12.1	AxMin	7.0	Ang 72
					ErrZ 13
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp Per</i>
POLO	i P	c 19:04:58.58		HZ	0.006 0.2
	e S	19:05:02.90		HN	
PVRL	e S	19:05:02.46		SN	0.012 0.1
PVIS	e P	19:05:01.98		HZ	0.020 0.1
	e S	19:05:08.90		HE	
PCAB	e P	19:05:02.56		HZ	0.024 0.2
	e S	19:05:10.50		HE	
MVO	e P	19:05:06.50		HZ	0.009 0.1
	e S	19:05:15.56		HN	
PGAV	e P	19:05:05.53		HZ	
	e S	19:05:16.28		HN	
MTE	e S	19:05:20.21		HN	0.003 0.1

12-Jan	Ho	23:38:55.5			ML 1.4
	Lat	36.746°N	Lon	04.983°W	Prof 21
	Região:	W Malaga (ESP)			Rms 0.7
	AxMax	4.4	AxMin	3.4	Ang 157
					ErrZ 5
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp Per</i>
PBAR	e Pn	23:39:29.59		HZ	
	e Sn	23:39:54.70		HE	
PVAQ	e Sn	23:39:56.37		HN	
PBDV	e Sn	23:39:54.69		HN	
PESTR	e Sn	23:40:14.52		HN	
EVO	e Pn	23:39:41.94		HZ	
	e Sn	23:40:15.39		HE	
PNCL	e Sn	23:40:18.70		HE	
PMRV	e Pn	23:39:45.80		HZ	
	e Sn	23:40:22.50		HE	
PMTG	e Pn	23:39:47.71		HZ	
	e Sn	23:40:24.97		HN	

13-Jan	Ho	03:08:25.2			ML 0.7
	Lat	41.280°N	Lon	08.054°W	Prof 7
	Região: NE Amarante				Rms 0.1
	AxMax	2.3	AxMin	1.0	Ang 94 ErrZ 3
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp Per</i>
POLO	e Pg	03:08:29.50		HZ	
	e Sg	03:08:32.69		HN	
PVRL	e Pg	03:08:30.01		SZ	0.003 0.1
	e Sg	03:08:33.49		SN	
PCAB	e Pg	03:08:33.13		HZ	
	e Sg	03:08:38.87		HE	
PVIS	e Pg	03:08:35.73		HZ	0.003 0.3
	e Sg	03:08:43.64		HE	
PGAV	e Sg	03:08:46.39		HN	
MVO	e S	03:08:49.98		HE	0.003 0.1
MTE	e P	03:08:42.83		HZ	0.004 0.3
	e S	03:08:55.72		HE	
PBRG	e S	03:09:00.49		HN	

13-Jan	Ho	06:36:38.1			ML 0.8
	Lat	38.646°N	Lon	07.520°W	Prof 6*
	Região: NE Redondo				Rms 0.3
	AxMax	2.1	AxMin	1.3	Ang 96 ErrZ 0
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp Per</i>
PESTR	e Pg	06:36:42.49		HZ	0.006 0.2
	e Sg	06:36:45.68		HE	
EVO	e Pg	06:36:45.65		HZ	0.002 0.1
	e Sg	06:36:51.04		HN	
PBAR	e Pg	06:36:48.94		HZ	
	e Sg	06:36:57.87		HE	
PMTG	e Pg	06:36:51.18		HZ	0.003 0.9
	e Sg	06:37:00.01		HE	
PMRV	e P	06:36:52.69		HZ	0.003 0.6
	e S	06:37:03.24		HN	
PNCL	e S	06:37:08.62		HN	
MESJ	e P	06:36:56.38		HZ	
	e S	06:37:08.90		HE	
PCVE	e Sg	06:37:13.50		HE	0.003 0.9
PVAQ	e Sn	06:37:17.23		HN	
PBDV	e Sg	06:37:23.56		HE	

13-Jan	Ho	10:31:49.6			ML 1.6
	Lat	38.443°N	Lon	07.856°W	Prof 15
	Região: SE Evora				Rms 0.3
	AxMax	2.3	AxMin	1.5	Ang 97 ErrZ 3
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp Per</i>
EVO	e Pg	10:31:53.29		HZ	0.139 0.1
	e Sg	10:31:56.11		HN	
PBEJ	e Pg	10:31:57.11		EZ	0.027 0.1
	e Sg	10:32:02.64		EE	
PESTR	e Pg	10:31:58.55		HZ	0.009 0.6
	e Sg	10:32:04.86		HN	
PNCL	e Pg	10:32:01.00		HZ	0.012 0.1
	e Sg	10:32:09.62		HE	
MESJ	e Pg	10:32:01.63		HZ	0.006 0.2
	e Sg	10:32:10.51		HN	
PMTG	e Pg	10:32:02.02		HZ	0.010 0.3
	e Sg	10:32:11.56		HE	
PBAR	e Pg	10:32:02.42		HZ	0.013 0.2
	e Sg	10:32:11.47		HE	
PCVE	e P	10:32:04.87		HZ	0.010 0.3
	e S	10:32:15.26		HN	
PACT	e P	10:32:05.24		BZ	0.018 0.4
	e S	10:32:16.98		BN	
PVAQ	e P	10:32:08.62		HE	
	e S	10:32:21.30		HE	
PMRV	e P	10:32:08.48		HZ	0.008 0.6
	e S	10:32:22.28		HE	
PTEO	e P	10:32:10.13		EZ	0.005 0.2
	e S	10:32:24.44		EE	
PBDV	e P	10:32:11.58		HZ	0.009 1.0
	e S	10:32:26.10		HE	
PMAFR	e P	10:32:10.66		HZ	
	e S	10:32:27.16		HN	
MORF	e P	10:32:11.15		HZ	0.007 0.4
	e S	10:32:29.30		HE	
PSBE	e P	10:32:13.19		HZ	
	e S	10:32:30.13		HE	

PCBR	e Sg	10:32:33.55	EN	0.003 0.1
PFVI	e Sg	10:32:37.08	HE	
PCAS	e Sg	10:32:42.15	HE	0.003 0.6
MVO	e Sn	10:33:04.56	HN	0.002 0.6

13-Jan	Ho	11:24:37.0	Distante (NEIC)		MW 5.9
	Lat	11.200°S	Lon 163.020°E		Prof 23
Região: Solomon Islands					
Est	Fase	P h:m:s	Dur	Co	Amp Per
POLO	e PKP	11:44:27.65		BZ	
MVO	e PKP	11:44:28.76		BZ	
PVRL	e PKP	11:44:25.93		SZ	
PVIS	e PKP	11:44:27.47		BZ	
MTE	e PKP	11:44:28.48		BZ	
PCBR	e PKP	11:44:29.27		SZ	
PMRV	e PKP	11:44:31.93		BZ	
PESTR	e PKP	11:44:33.82		BZ	
EVO	e PKP	11:44:36.64		BZ	
PBAR	e PKP	11:44:43.02		BZ	
PBEJ	e PKP	11:44:41.12		SZ	

13-Jan	<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp Per</i>
	PBDV	e P	18:31:21.78		HZ	
		e S	18:31:39.96		HE	
	PCVE	e P	18:31:27.34		HZ	
		e S	18:31:49.10		HN	
	PVAQ	e S	18:31:43.13		HE	
	PBAR	e S	18:32:03.60		HE	0.002 0.7

13-Jan	Ho	20:28:31.9			ML 1.4
	Lat	42.249°N	Lon	08.442°W	Prof 16
	Região: NE Monção				Rms 0.2
	AxMax	2.1	AxMin	2.0	Ang 79 ErrZ 4
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp Per</i>
PGAV	i Pg	d 20:28:36.46		HZ	0.017 0.4
	e Sg	20:28:41.37		HN	
PCAB	e Pg	20:28:43.21		HZ	0.016 0.2
	e Sg	20:28:51.74		HE	
PVRL	e P	20:28:51.59		SZ	0.004 0.1
	e S	20:29:06.19		SN	
PBRG	e Sg	20:29:13.83		HN	0.004 0.8
MVO	e Sg	20:29:19.24		HN	
PVIS	e Sg	20:29:20.51		HE	0.013 0.6

13-Jan	Ho	20:50:34.1			ML 2.3
	Lat	35.437°N	Lon	03.769°W	Prof 11*
	Região: NE Al Hoceima (MARR)				Rms 0.4
	AxMax	3.2	AxMin	2.4	Ang 15 ErrZ 0
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp Per</i>
PVAQ	e P	20:51:30.77		HN	
	e S	20:52:12.47		HE	
PBAR	e P	20:51:31.36		HZ	0.003 0.7
	e S	20:52:14.50		HE	
PBDV	e P	20:51:31.70		HZ	0.005 0.4
	e S	20:52:14.62		HE	
PCVE	e P	20:51:36.16		HZ	0.005 0.5
	e S	20:52:20.87		HN	
MESJ	e P	20:51:39.01		HZ	0.006 0.3
	e S	20:52:26.87		HE	
MORF	e P	20:51:39.37		HZ	0.005 0.2
	e S	20:52:28.94		HE	
PTEO	e S	20:52:32.53		EN	
PESTR	e P	20:51:42.79		HZ	0.005 0.8
	e S	20:52:33.72		HE	
EVO	e P	20:51:42.48		HZ	0.004 0.3
	e S	20:52:33.13		HN	
PNCL	e P	20:51:43.46		HZ	0.004 0.4
	e S	20:52:35.73		HN	
PMRV	e P	20:51:47.15		HZ	0.002 0.8
	e S	20:52:41.76		HE	
PMTG	e P	20:51:48.99		HZ	
	e S	20:52:46.00		HN	
PCBR	e P	20:51:52.55		EZ	0.002 0.8
	e S	20:52:51.41		EE	
PSBE	e P	20:51:59.01		HZ	
MVO	e P	20:52:06.54		HZ	
	e S	20:53:16.56		HN	

13-Jan						
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp</i>	<i>Per</i>
PNCL	e Pg	22:43:46.65		HZ	0.004	0.1
	e Sg	22:43:48.49		HE		
MESJ	e Pg	22:43:50.23		HZ		
	e Sg	22:43:54.66		HE		
PMTG	e S	22:44:13.62		HN	0.002	0.6
PVAQ	e S	22:44:13.79		HE		
PBDV	e S	22:44:14.69		HE	0.003	0.8
PESTR	e S	22:44:15.31		HE		
PBAR	e S	22:44:18.74		HE		

14-Jan						
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp</i>	<i>Per</i>
PSBE	e P	00:01:57.42		HZ	0.006	0.8
	e S	00:02:02.53		HN		
PMTG	e P	00:02:10.06		HZ	0.001	0.7
	e S	00:02:20.26		HN		
PCAS	e S	00:02:13.92		HN		
PMRV	e S	00:02:33.02		HE		

14-Jan Ho 00:46:25.3 ML 2.3
Lat 37.008°N Lon 13.655°W Prof 25*
Região: Josephine Rms 0.5
AxMax 8.2 AxMin 5.9 Ang 95 ErrZ 0

<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp</i>	<i>Per</i>
PFVI	e P	00:47:18.24		HZ		
	e S	00:47:56.24		HE		
PMAFR	e P	00:47:20.35		HZ		
	e S	00:48:01.49		HN		
PTEO	e S	00:48:01.42		EE		
MORF	e P	00:47:20.57		HZ	0.003	0.5
	e S	00:48:01.78		HE		
PACT	e P	00:47:24.14		BZ		
	e S	00:48:08.09		BN		
PNCL	e P	00:47:24.45		HZ		
	e S	00:48:07.43		HN		
MESJ	e P	00:47:25.73		HZ		
	e S	00:48:11.90		HE		
PCVE	e P	00:47:27.31		HZ		
	e S	00:48:14.75		HN		
PSBE	e P	00:47:27.79		HZ	0.006	0.7
	e S	00:48:18.09		HN		
PBDV	e P	00:47:28.50		HZ	0.005	0.7
	e S	00:48:16.17		HN		
PBEJ	e S	00:48:21.08		EE		
EVO	e S	00:48:19.50		HN		
PMTG	e P	00:47:30.61		HZ	0.004	0.7
	e S	00:48:19.78		HE		
PVAQ	e P	00:47:32.26		HE		
	e S	00:48:20.24		HN		
PCAS	e P	00:47:34.54		HZ	0.004	0.8
	e S	00:48:28.72		HN		
PESTR	e P	00:47:36.60		HZ		
	e S	00:48:29.31		HE		
PBAR	e P	00:47:41.12		HZ		
	e S	00:48:35.77		HE		
PMRV	e P	00:47:40.58		HZ	0.002	0.7
	e S	00:48:36.30		HN		
MVO	e P	00:47:56.48		HZ	0.002	0.7
	e S	00:49:05.12		HN		

14-Jan Ho 05:43:16.2 ML 1.8
Lat 35.676°N Lon 04.715°W Prof 39*
Região: Alboran Rms 0.2
AxMax 4.6 AxMin 2.1 Ang 80 ErrZ 0

<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp</i>	<i>Per</i>
PVAQ	e P	05:44:00.83		HE		
	e S	05:44:33.42		HN		
PBDV	e P	05:44:01.31		HZ		
	e S	05:44:34.94		HE		
PBAR	e P	05:44:02.17		HZ		
	e S	05:44:36.93		HN		
MESJ	e P	05:44:08.79		HZ		
	e S	05:44:47.62		HE		
PNCL	e S	05:44:55.16		HE		
PESTR	e S	05:44:55.22		HE		

PMRV	e P	05:44:19.03	HZ
	e S	05:45:04.71	HN
PMTG	e P	05:44:20.14	HZ

14-Jan Ho 09:18:42.0 Distante (NEIC) MW 7.3
Lat 15.780°S Lon 74.770°W Prof 12
Região: Near Coast of Peru

<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp</i>	<i>Per</i>
PMSOL	e P	09:30:14.65		SZ	0.729	1.7
PMOZ	e P	09:30:12.92		BZ	0.802	1.6
	e S	09:39:34.02		LE		
	e LQ	09:48:50.90		LN		
	e LR	09:54:38.43		LZ	194.0	20
FUL	e P	09:30:13.59		EZ	0.681	1.8
PMAR	e P	09:30:13.31		BZ	1.078	1.4
PMPS	e P	09:30:18.78		SZ	1.807	1.9
PMPST	e P	09:30:16.52		BZ	1.568	1.8
PFVI	e P	09:30:58.81		BZ	1.297	1.6
	e S	09:41:09.69		LN		
MORF	e P	09:30:59.52		BZ	1.084	1.1
	e S	09:41:10.48		LE		
PTEO	e P	09:31:00.95		SZ	1.347	1.0
PSES	e P	09:31:00.85		BZ	1.880	2.7
GGNV	e P	09:31:01.23		BZ	1.805	2.3
PMAFR	e P	09:31:01.24		BZ	0.852	2.6
	e S	09:41:14.03		LE		
PNCL	e P	09:31:02.01		BZ	0.735	2.7
	e S	09:41:14.43		LE		
PBDV	e P	09:31:02.24		BZ	0.958	1.3
	e S	09:41:11.67		LE		
PACT	e P	09:31:03.08		BZ	1.476	2.1
MESJ	e P	09:31:03.04		BZ	0.755	2.7
PCVE	e P	09:31:02.55		BZ	0.945	2.4
	e S	09:41:12.45		LE		
PVAQ	e P	09:31:03.22		BZ		
	e S	09:41:16.00		LE		
PBEJ	e P	09:31:04.10		SZ	0.835	1.4
PSBE	e P	09:31:04.49		BZ	1.237	2.3
	e S	09:41:16.11		LE		
EVO	e P	09:31:04.87		BZ	0.795	1.6
PMTG	e P	09:31:05.24		BZ	1.347	1.5
	e S	09:41:20.79		LE		
PCAS	e P	09:31:06.50		BZ	1.095	2.4
	e S	09:41:24.07		LE		
PESTR	e P	09:31:07.03		BZ	1.149	1.9
	e S	09:41:25.48		LE		
PBAR	e P	09:31:07.47		BZ	1.019	1.5
	e S	09:41:26.42		LE		
PTO	e P	09:31:09.21		SZ	1.942	1.6
PMRV	e P	09:31:08.11		BZ	0.459	1.1
	e S	09:41:26.88		LE		
	e LQ	09:54:01.60		LN		
	e LR	09:59:25.79		LZ	263.0	20
PCBR	e P	09:31:09.04		SZ	0.800	1.1
PVIS	e P	09:31:09.85		BZ		
MTE	e P	09:31:10.92		BZ	1.216	1.1
	e S	09:41:28.76		LE		
	e LQ	09:53:27.66		LN		
	e LR	09:59:36.95		LZ	283.0	22
PGAV	e P	09:31:09.37		BZ	1.465	1.6
	e S	09:41:29.69		LE		
POLO	e P	09:31:11.58		BZ	0.618	1.6
	e S	09:41:31.17		LE		
PVRL	e P	09:31:11.26		SZ	1.192	1.4
MVO	e P	09:31:13.58		BZ	1.152	2.5
	e S	09:41:33.24		LE		
	e LQ	09:53:24.52		LN		
	e LR	10:00:12.73		LZ	196.0	22
PBRG	e P	09:31:16.02		BZ	1.121	1.5
	e S	09:41:39.04		LE		

14-Jan Ho 09:19:30.0 Distante (NEIC) MW 5.3
Lat 36.490°N Lon 70.740°E Prof 204
Região: Hindu Kush Region, Afghanistan

<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp</i>	<i>Per</i>
PBRG	e P	09:29:04.60		BZ	0.077	1.5
MVO	e P	09:29:07.11		BZ	0.035	1.4
PVRL	e P	09:29:10.69		SZ	0.055	1.5

POLO	e P	09:29:10.38	BZ	0.032	1.8
PGAV	e P	09:29:09.45	BZ	0.069	1.7
MTE	e P	09:29:12.25	BZ	0.100	1.2
PVIS	e P	09:29:12.99	BZ		
PCBR	e P	09:29:12.30	SZ	0.031	1.7
PMRV	e P	09:29:14.32	BZ	0.033	1.7
PBAR	e P	09:29:15.55	BZ	0.059	0.9
PESTR	e P	09:29:16.25	BZ	0.048	1.2
PCAS	e P	09:29:17.91	BZ	0.072	1.7
PMTG	e P	09:29:18.68	BZ	0.062	1.6
EVO	e P	09:29:19.34	BZ	0.050	1.9
PBEJ	e P	09:29:20.15	SZ	0.041	0.7
PSBE	e P	09:29:20.75	BZ	0.098	1.7
PCVE	e P	09:29:22.37	BZ	0.045	2.3
MESJ	e P	09:29:22.64	BZ	0.033	2.2
PACT	e P	09:29:23.50	BZ	0.155	1.6
PBDV	e P	09:29:22.94	BZ	0.080	1.1
PNCL	e P	09:29:23.24	BZ	0.058	1.7
PMAFR	e P	09:29:24.93	BZ	0.179	1.6
PTEO	e P	09:29:26.24	SZ	0.100	2.2
PFVI	e P	09:29:27.93	BZ	0.153	1.6

14-Jan	Ho	13:55:30.7			ML 1.5
	Lat	36.623°N	Lon	07.958°W	Prof 26
	Região:	Golfo de Cádiz			Rms 0.4
	AxMax	6.3	AxMin	6.2	Ang 104
					ErrZ 9
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp Per</i>
PBDV	e P	13:55:41.98		HZ	0.007 0.3
	e S	13:55:50.87		HE	
PVAQ	e P	13:55:44.59		HN	
	e S	13:55:55.06		HE	
PFVI	e P	13:55:44.21		HZ	0.010 0.7
	e S	13:55:56.92		HE	
MORF	e P	13:55:46.01		HZ	0.008 0.1
	e S	13:55:57.63		HE	
PCVE	e P	13:55:47.77		HZ	0.005 0.2
	e S	13:56:00.48		HE	
PTEO	e P	13:55:48.50		EZ	0.006 0.7
	e S	13:56:03.32		EE	
MESJ	e P	13:55:51.07		HZ	0.005 0.2
	e S	13:56:06.21		HE	
PBEJ	e S	13:56:09.66		EE	0.003 0.3
PNCL	e P	13:55:54.81		HZ	0.002 0.4
	e S	13:56:13.33		HE	
PBAR	e P	13:55:57.66		HZ	0.002 0.7
	e S	13:56:16.89		HE	
EVO	e S	13:56:21.84		HE	0.003 0.3
PESTR	e P	13:56:05.67		HZ	0.001 0.6
	e S	13:56:31.02		HE	
PMTG	e P	13:56:08.03		HZ	0.002 0.8
	e S	13:56:35.53		HE	
PMAFR	e S	13:56:36.94		HN	
PMRV	e P	13:56:13.23		HZ	0.001 0.8
	e S	13:56:43.96		HN	
PSBE	e S	13:56:48.84		HN	
PCBR	e S	13:56:54.04		EE	
MVO	e S	13:57:26.05		HN	

14-Jan	Ho	16:46:06.7			ML 0.9
	Lat	37.271°N	Lon	07.864°W	Prof 1*
	Região:	N S.Brás de Alportel			Rms 0.3
	AxMax	3.5	AxMin	2.1	Ang 131
					ErrZ 0
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp Per</i>
PBDV	e Pg	16:46:07.56		HZ	0.013 0.2
	e Sg	16:46:08.92		HN	
PVAQ	e Pg	16:46:09.74		HN	
	e Sg	16:46:12.76		HE	
PCVE	e Pg	16:46:13.59		HZ	0.002 0.3
	e Sg	16:46:18.90		HE	
MESJ	e Pg	16:46:19.41		HZ	0.002 0.5
	e Sg	16:46:27.13		HN	
PBEJ	e S	16:46:30.86		EE	
PFVI	e S	16:46:31.75		HN	
PNCL	e P	16:46:24.80		HZ	0.003 0.8
	e S	16:46:37.88		HN	
PBAR	e P	16:46:26.97		HZ	0.003 0.6
	e S	16:46:42.82		HE	
EVO	e S	16:46:47.29		HE	

PESTR	e Sg	16:46:57.50	HE	
PMTG	e Sg	16:47:03.30	HE	0.002 0.7

14-Jan	Ho	20:31:35.0			ML 0.5
	Lat	41.481°N	Lon	07.072°W	Prof 10*
	Região:	E Mirandela			Rms 0.3
	AxMax	3.2	AxMin	2.0	Ang 102
					ErrZ 0
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp Per</i>
MVO	e P	20:31:41.12		HZ	0.003 0.3
	e S	20:31:45.20		HE	
PBRG	e P	20:31:42.56		HZ	0.001 0.2
	e S	20:31:48.60		HE	
POLO	e P	20:31:46.04		HZ	0.001 0.1
	e S	20:31:53.17		HN	
PVIS	e S	20:32:06.42		HE	
PGAV	e P	20:31:53.15		HZ	
	e S	20:32:06.79		HN	

15-Jan	Ho	00:07:37.2			ML 1.9
	Lat	36.782°N	Lon	08.429°W	Prof 3*
	Região:	SW Albufeira			Rms 0.4
	AxMax	7.7	AxMin	5.8	Ang 40
					ErrZ 0
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp Per</i>
MORF	e Pg	00:07:46.77		HZ	0.059 0.1
	e Sg	00:07:55.23		HE	
PBDV	e Pg	00:07:48.46		HZ	0.014 0.5
	e Sg	00:07:57.51		HN	
PTEO	e P	00:07:51.60		EZ	0.025 0.3
	e S	00:08:02.98		EE	
PVAQ	e P	00:07:51.91		HZ	
	e S	00:08:04.19		HE	
PCVE	e P	00:07:52.94		HZ	0.012 0.6
	e S	00:08:06.17		HN	
MESJ	e P	00:07:56.73		HZ	0.025 0.1
	e S	00:08:10.68		HN	
PBEJ	e P	00:08:01.51		EZ	0.011 0.2
	e S	00:08:18.63		EE	
PNCL	e P	00:08:01.06		HZ	0.015 0.3
	e S	00:08:19.03		HE	
PSSES	e Sg	00:08:32.54		HE	
EVO	e Pg	00:08:10.31		HZ	0.013 0.3
	e Sg	00:08:33.85		HN	
PBAR	e Pn	00:08:04.66		HZ	0.004 0.2
	e Pg	00:08:09.70		HZ	
	e Sn	00:08:28.16		HE	
	e Sg	00:08:33.27		HN	
PACT	e Sg	00:08:41.94		BE	
PESTR	e Pg	00:08:17.78		HZ	0.003 0.5
	e Sg	00:08:45.76		HE	
PMAFR	e Sg	00:08:49.68		HE	
PMTG	e Pn	00:08:13.81		HZ	0.008 0.4
	e Sn	00:08:40.96		HN	
	e Sg	00:08:50.05		HN	
PSBE	e Sg	00:09:04.50		HE	0.004 0.6
PMRV	e Pn	00:08:18.05		HZ	0.006 0.3
	e Sg	00:09:02.53		HE	
PCBR	e Sn	00:09:00.70		EN	0.003 0.5
PCAS	e Sn	00:09:04.89		HE	0.002 0.3
MTE	e Sn	00:09:13.59		HE	0.003 0.5
	e Sg	00:09:32.61		HE	

15-Jan	Ho	01:25:47.3			ML 2.3
	Lat	31.454°N	Lon	07.545°W	Prof 24
	Região:	Morocco			Rms 0.4
	AxMax	6.1	AxMin	3.8	Ang 103
					ErrZ 7
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp Per</i>
PBDV	e Pn	01:27:11.61		HZ	
	e Sn	01:28:13.79		HN	
MORF	e Pn	01:27:13.13		HZ	0.003 0.7
	e Sn	01:28:17.08		HE	
PVAQ	e Pn	01:27:13.65		HE	
	e Sn	01:28:16.58		HE	
PTEO	e Pn	01:27:16.49		EZ	
PCVE	e Pn	01:27:16.98		HZ	0.002 0.6
	e Sn	01:28:22.99		HN	
MESJ	e Pn	01:27:20.15		HZ	
	e Sn	01:28:27.85		HE	
PNCL	e Sn	01:28:33.87		HN	

PBAR	e Pn	01:27:24.17	HZ	0.001	0.6	PBAR	e P	d	11:51:57.07	HZ	31.32	0.5
	e Sn	01:28:34.96	HN				e S		11:52:09.24	HN		
EVO	e Pn	01:27:29.00	HZ	0.002	0.7	MESJ	e P	c	11:51:57.53	HZ	13.99	0.5
	e Sn	01:28:45.60	HN				e S		11:52:10.88	HN		
PESTR	e Pn	01:27:33.26	HZ			PVERD	e P	c	11:51:42.06	HZ	29.87	0.4
	e Sn	01:28:52.68	HE				e S		11:51:56.38	HE		
PMTG	e Pn	01:27:36.49	HZ			PSBE	i P	d	11:51:58.49	HZ	7.992	0.2
	e Sn	01:28:58.49	HE				e S		11:52:11.82	HN		
PMRV	e Pn	01:27:41.07	HZ			PSES	e P	c	11:51:57.92	HZ	17.46	0.6
	e Sn	01:29:05.85	HE				e S		11:52:10.86	HE		
PSBE	e Pn	01:27:43.93	HZ			PMAFR	e P	d	11:51:59.11	HZ	19.59	0.8
PCBR	e Pn	01:27:47.05	EZ				e S		11:52:13.53	HE		
15-Jan Ho 02:28:34.6 Distante (NEIC) MW 5.4												
Lat 15.217°S Lon 167.513°E Prof 118												
Região: Vanuatu Islands												
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp</i>	<i>Per</i>						
PBRG	e PKPbc	02:48:16.61		BZ			PCVE	e P	d	11:52:00.82	HZ	17.11 0.7
PGAV	e PKPdf	02:48:10.03		BZ				e S		11:52:15.82	HE	
	e PKPbc	02:48:16.63		BZ			PCASC	e P		11:52:01.86	HZ	7.391 0.5
POLO	e PKPbc	02:48:19.59		BZ				e S		11:52:17.98	HE	
	e PKPab	02:48:32.77		BZ			PCAS	e P	d	11:52:03.23	HZ	14.68 0.4
PVRL	e PKPbc	02:48:19.86		SZ				e S		11:52:21.90	HN	
	e PKPab	02:48:32.62		SZ			PTEO	e P	c	11:52:03.60	EZ	21.65 0.5
MVO	e PKPbc	02:48:20.15		BZ				i S		11:52:22.55	EE	
	e PKPab	02:48:32.27		BZ			PVAQ	e P	d	11:52:04.19	HZ	
PTO	e PKPbc	02:48:19.51		SZ				S		11:52:22.46	HN	
	e PKPab	02:48:34.49		SZ			COI	e Pg		11:52:06.79	HZ	15.74 0.3
PVIS	e PKPbc	02:48:21.54		BZ				e Sn		11:52:25.21	HN	
	e PKPab	02:48:35.88		BZ			PBDV	e Pn	d	11:52:06.35	HZ	15.28 0.5
MTE	e PKPdf	02:48:12.98		BZ				e Sg		11:52:27.12	HE	
	e PKPbc	02:48:21.13		BZ			MORF	e Pn	c	11:52:06.46	HZ	9.297 0.7
	e PKPab	02:48:36.94		BZ				e Sg		11:52:28.23	HE	
PCAS	e PKPbc	02:48:22.91		BZ			PALJ	e Pn		11:52:07.77	HN	
	e PKPab	02:48:37.35		BZ				e Sg		11:52:29.64	HE	
PCBR	e PKPdf	02:48:13.76		SZ			MTE	e Pn		11:52:07.63	HZ	10.95 0.4
	e PKPbc	02:48:22.54		SZ				e Pg		11:52:10.07	HZ	
	e PKPab	02:48:39.08		SZ				e Sg		11:52:30.75	HE	
PMRV	e PKPab	02:48:41.25		BZ			PTAV	e Sg		11:52:31.46	HE	
PMTG	e PKPab	02:48:41.19		BZ			PALBU	e Pn		11:52:08.74	HZ	20.40 0.6
PESTR	e PKPab	02:48:43.29		BZ				e Sn		11:52:30.71	HN	
EVO	e PKPab	02:48:45.08		BZ			PPOR	e Pg		11:52:11.77	HZ	7.734 0.8
PBAR	e PKPab	02:48:45.83		BZ				e Sn		11:52:32.34	HE	
PSES	e PKPab	02:48:43.14		BZ			PFARO	e Pn		11:52:09.77	HZ	17.39 0.8
PBEJ	e PKPab	02:48:46.84		SZ				e Pg		11:52:12.40	HZ	
MESJ	e PKPab	02:48:48.54		BZ				e Sg		11:52:34.73	HE	
PCVE	e PKPab	02:48:49.87		BZ			PFVI	e Pn	c	11:52:09.17	HZ	6.302 0.6
MORF	e PKPab	02:48:51.21		BZ				e Pg		11:52:12.50	HZ	
15-Jan Ho 11:51:40.2 ML 4.9												
Lat 38.792°N Lon 07.932°W Prof 11												
Região: NE Arraiolos Rms 0.4												
Sentido: V/VI Arraiolos												
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp</i>	<i>Per</i>						
EVO	e Pg	d 11:51:45.37		HZ	104.0	0.3	PLAGO	e Pn		11:52:09.64	HZ	9.951 0.5
	e Sg	11:51:48.99		HN				e Pg		11:52:13.22	HZ	
PESTR	i Pg	c 11:51:46.16		HZ	71.22	0.3		e Sg		11:52:35.22	HN	
	i Sg	11:51:50.46		HN			PVIS	e Pn		11:52:12.04	HZ	5.638 0.3
PMTG	i Pg	d 11:51:46.72		HZ	22.02	0.4		e Pg		11:52:15.25	HZ	
	e Sg	11:51:51.74		HE				e Sg		11:52:39.51	HE	
PACT	i P	c 11:51:53.48		BZ	28.62	0.4	PSVI	e Pn		11:52:12.25	HZ	7.946 0.5
	i S	11:52:03.15		BE				e Sg		11:52:39.70	HN	
PBEN	e P	11:51:53.46		HZ	7.379	0.7	PTO	e Pn		11:52:18.18	SZ	3.580 0.6
	e S	11:52:02.94		HN				e Pg		11:52:24.43	SZ	
PSANT	e P	11:51:53.82		HZ	43.23	0.2		e Sn		11:52:46.66	SE	
	e S	11:52:03.89		HN				e Sg		11:52:56.20	SE	
PMRV	i P	c 11:51:54.86		HZ	24.05	0.2	MVO	e Pn	c	11:52:18.85	HZ	6.739 0.6
	e S	11:52:05.04		HE				e Pg		11:52:26.47	HZ	
PBEJ	e P	d 11:51:53.71		EZ	29.43	0.5		e Sn		11:52:48.47	HE	
	e S	11:52:03.88		EN				e Sg		11:52:59.05	HE	
PSETU	e P	11:52:43.98		HZ	37.46	0.6	PVRL	e Pn		11:52:19.29	SZ	5.103 0.3
	e S	11:52:54.81		HN				e Pg		11:52:27.39	SZ	
PNCL	e P	c 11:51:54.89		HZ	9.202	0.6		e Sn		11:52:48.96	SE	
	e S	11:52:06.25		HE				e Sg		11:52:57.51	SN	
INMG	e P	d 11:51:57.55		HZ	16.61	0.5	POLO	e Pn		11:52:20.59	HZ	2.433 0.4
	e S	11:52:10.55		HN				e Pg		11:52:26.92	HZ	
15-Jan Ho 11:51:40.2 ML 4.9												
Lat 38.792°N Lon 07.932°W Prof 11												
Região: NE Arraiolos Rms 0.4												
Sentido: V/VI Arraiolos												
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp</i>	<i>Per</i>						
EVO	e Pg	d 11:51:45.37		HZ	104.0	0.3	PCAB	e Pn		11:52:25.10	HZ	5.404 0.4
	e Sg	11:51:48.99		HN				e Sn		11:52:59.43	HN	
PESTR	i Pg	c 11:51:46.16		HZ	71.22	0.3		e Sg		11:53:12.00	HE	
	i Sg	11:51:50.46		HN			PBRG	e Pn		11:52:28.29	HZ	1.792 0.7
PMTG	i Pg	d 11:51:46.72		HZ	22.02	0.4		e Sn		11:53:04.00	HE	
	e Sg	11:51:51.74		HE				e Sg		11:53:18.52	HE	
PACT	i P	c 11:51:53.48		BZ	28.62	0.4						
	i S	11:52:03.15		BE								
PBEN	e P	11:51:53.46		HZ	7.379	0.7						
	e S	11:52:02.94		HN								
PSANT	e P	11:51:53.82		HZ	43.23	0.2						
	e S	11:52:03.89		HN								
PMRV	i P	c 11:51:54.86		HZ	24.05	0.2						
	e S	11:52:05.04		HE								
PBEJ	e P	d 11:51:53.71		EZ	29.43	0.5						
	e S	11:52:03.88		EN								
PSETU	e P	11:52:43.98		HZ	37.46	0.6						
	e S	11:52:54.81		HN								
PNCL	e P	c 11:51:54.89		HZ	9.202	0.6						
	e S	11:52:06.25		HE								
INMG	e P	d 11:51:57.55		HZ	16.61	0.5						
	e S	11:52:10.55		HN								

PMRV	e P	12:01:35.52	HZ	0.006	0.3
	e S	12:01:45.97	HE		
PNCL	e P	12:01:36.42	HZ	0.004	0.9
	e S	12:01:47.01	HE		
PBAR	e P	12:01:38.21	HZ	0.008	0.2
	e S	12:01:51.52	HE		
MESJ	e P	12:01:39.18	HZ	0.005	0.4
	e S	12:01:51.72	HN		
PSBE	e P	12:01:39.22	HZ		
	e S	12:01:52.37	HN		
PMAFR	e P	12:01:40.26	HZ	0.015	0.6
	e S	12:01:54.07	HN		
PCVE	e P	12:01:42.59	HZ	0.005	0.3
	e S	12:01:56.61	HE		
PCAS	e P	12:01:45.36	HZ	0.005	0.5
	e S	12:02:02.98	HE		
PTEO	e S	12:02:03.81	EE	0.007	0.8
PVAQ	e P	12:01:46.90	HN		
	e S	12:02:04.27	HE		
PBDV	e S	12:02:08.03	HN	0.006	1.0

15-Jan Ho 12:15:19.2 ML 1.7
Lat 38.775°N Lon 07.951°W Prof 5
Região: NE Arraiolos Rms 0.4
AxMax 2.7 AxMin 1.7 Ang 91 ErrZ 4

Est	Fase	P h:m:s	Dur	Co	Amp	Per
EVO	e Pg	12:15:24.05		HZ	0.215	0.1
	e Sg	12:15:27.75		HN		
PESTR	e Pg	c 12:15:24.94		HZ	0.007	0.3
	e Sg	12:15:29.30		HN		
PMTG	e Pg	d 12:15:25.50		HZ	0.019	0.1
	e Sg	12:15:30.65		HE		
PACT	e P	12:15:32.33		BZ		
	e S	12:15:42.00		BE		
PBEJ	e P	12:15:32.76		EZ	0.020	0.3
	e S	12:15:42.74		EN		
PMRV	e P	12:15:33.69		HZ	0.016	0.4
	e S	12:15:43.87		HE		
PNCL	e P	12:15:33.77		HZ	0.009	0.1
	e S	12:15:44.19		HN		
PBAR	e P	12:15:36.09		HZ	0.011	0.2
	e S	12:15:48.88		HE		
MESJ	e P	12:15:36.71		HZ	0.008	0.2
	e S	12:15:49.51		HN		
PSBE	e P	12:15:37.45		HZ	0.011	0.2
	e S	12:15:50.41		HN		
PMAFR	e P	12:15:38.65		HZ	0.012	0.2
	e S	12:15:52.56		HE		
PCBR	e P	12:15:39.67		EZ	0.017	0.4
	e S	12:15:54.48		EN		
PCVE	e P	12:15:40.44		HZ	0.008	0.4
	e S	12:15:54.75		HE		
PCAS	e P	12:15:43.56		HZ	0.010	0.4
	e S	12:16:00.66		HN		
PTEO	e S	12:16:01.31		EE	0.012	0.4
PVAQ	e S	12:16:01.79		HN		
PBDV	e S	12:16:06.19		HE		
MORF	e Pg	12:15:47.88		HZ	0.008	0.1
	e Sn	12:16:06.34		HE		
MTE	e Sg	12:16:09.49		HN		
PFVI	e Sg	12:16:14.50		HN	0.006	0.8
PVIS	e Sg	12:16:20.37		HN		
MVO	e Sg	12:16:36.44		HN	0.003	0.4

15-Jan Ho 12:28:54.2 ML 1.2
Lat 38.776°N Lon 07.954°W Prof 5*
Região: NE Arraiolos Rms 0.4
AxMax 2.6 AxMin 1.8 Ang 87 ErrZ 0

Est	Fase	P h:m:s	Dur	Co	Amp	Per
EVO	e Sg	12:29:02.61		HN	0.037	0.3
PESTR	e Pg	12:29:00.02		HZ	0.007	0.2
	e Sg	12:29:04.20		HN		
PMTG	e Pg	12:29:00.64		HZ	0.008	0.2
	e Sg	12:29:05.18		HN		
PACT	e P	12:29:07.17		BZ		
	e S	12:29:16.86		BE		
PBEJ	e S	12:29:17.57		EN		

PMRV	e P	12:29:08.70	HZ	0.002	0.4
	e S	12:29:19.07	HN		
PNCL	e P	12:29:09.14	HZ	0.003	0.4
	e S	12:29:19.29	HE		
PBAR	e P	12:29:11.08	HZ	0.004	0.1
	e S	12:29:23.96	HE		
MESJ	e P	12:29:11.97	HZ	0.001	0.2
	e S	12:29:24.26	HE		
PSBE	e P	12:29:12.27	HZ		
	e S	12:29:25.42	HN		
PMAFR	e P	12:29:13.50	HZ		
	e S	12:29:27.32	HN		
PCBR	e S	12:29:29.44	EN	0.002	0.1
PCVE	e P	12:29:15.34	HZ	0.002	0.4
	e S	12:29:29.81	HE		
PCAS	e S	12:29:36.27	HN	0.003	0.6
PTEO	e S	12:29:37.88	EN		
PVAQ	e P	12:29:19.80	HN		
	e S	12:29:36.68	HE		
PBDV	e S	12:29:41.08	HE		

15-Jan
Est Fase P h:m:s Dur Co Amp Per
PBAR e Sg 18:05:26.93 HN 0.001 0.6
PVAQ e Sg 18:05:44.94 HN

15-Jan Ho 18:59:36.1 ML 1.1
Lat 38.737°N Lon 07.865°W Prof 14
Região: E Arraiolos Rms 0.4
AxMax 3.2 AxMin 2.2 Ang 96 ErrZ 5

Est	Fase	P h:m:s	Dur	Co	Amp	Per
EVO	i Pg	c 18:59:41.23		HZ	0.038	0.1
	e Sg	18:59:45.08		HE		
PESTR	e Pg	c 18:59:41.45		HZ	0.008	0.1
	e Sg	18:59:45.57		HE		
PMTG	e Pg	c 18:59:44.14		HZ	0.005	0.2
	e Sg	18:59:50.12		HN		
PBEJ	e S	18:59:58.45		EE		
PACT	e P	18:59:50.36		BZ		
	e S	19:00:01.23		BE		
PMRV	e P	18:59:50.38		HZ	0.005	1.5
	e S	19:00:00.55		HE		
PNCL	e P	18:59:51.00		HZ	0.003	0.2
	e S	19:00:01.45		HN		
PBAR	e P	18:59:51.77		HZ	0.003	0.3
	e S	19:00:03.31		HE		
MESJ	e P	18:59:53.24		HZ	0.002	0.4
	e S	19:00:04.89		HE		
PSBE	e S	19:00:09.01		HN		
PCVE	e P	18:59:56.16		HZ	0.002	0.7
	e S	19:00:10.34		HE		
PMAFR	e S	19:00:11.67		HN		
PCBR	e S	19:00:11.09		EE	0.003	0.2
PVAQ	e Pg	19:00:00.63		HE		
	e Sg	19:00:17.89		HN		

15-Jan Ho 19:47:52.6 ML 1.3
Lat 38.784°N Lon 07.963°W Prof 1*
Região: NE Arraiolos Rms 0.4
AxMax 2.8 AxMin 1.7 Ang 89 ErrZ 0

Est	Fase	P h:m:s	Dur	Co	Amp	Per
EVO	e Pg	19:47:57.36		HZ	0.081	0.1
	e Sg	19:48:01.04		HN		
PESTR	e Pg	19:47:58.20		HZ	0.002	0.3
	e Sg	19:48:02.53		HN		
PMTG	e Pg	d 19:47:58.64		HZ	0.005	0.1
	e Sg	19:48:03.69		HN		
PBEJ	e P	19:48:06.33		EZ	0.004	0.4
	e S	19:48:16.21		EN		
PMRV	e P	19:48:06.88		HZ	0.006	0.2
	e S	19:48:17.28		HN		
PNCL	e P	19:48:07.52		HZ	0.003	0.1
	e S	19:48:17.37		HN		
PBAR	e P	19:48:09.80		HZ	0.004	0.1
	e S	19:48:23.01		HN		
MESJ	e P	19:48:10.61		HZ	0.003	0.5
	e S	19:48:22.64		HN		

PSBE	e P	19:48:10.62	HZ					MESJ	e Pg	00:41:18.06	HZ	0.003	0.9
	e S	19:48:23.32	HN						e Sg	00:41:48.02	HN		
PMAFR	e S	19:48:26.38	HE					MORF	e P	00:41:16.08	HZ	0.003	0.7
PCBR	e P	19:48:13.04	EZ	0.005	0.4			PESTR	e Sg	00:41:56.95	HE		
	e S	19:48:27.22	EE					PNCL	e Sn	00:41:48.66	HE	0.002	0.5
PCVE	e P	c 19:48:13.65	HZ	0.002	0.4			PMRV	e Sn	00:41:56.99	HE	0.002	0.5
	e S	19:48:29.10	HE					PMTG	e Sn	00:41:58.75	HE	0.002	0.8
PCAS	e P	19:48:17.46	HZ	0.004	0.6								
	e S	19:48:34.22	HN					16-Jan	Ho	01:51:58.5		ML 1.0	
PTEO	e S	19:48:35.74	EN	0.005	0.5				Lat	38.779°N	Lon	07.956°W	Prof 3
PVAQ	e P	19:48:18.12	HE						Região: NE Arraiolos				Rms 0.3
	e S	19:48:36.39	HN						AxMax	3.1	AxMin	1.7	Ang 90
PBDV	e P	19:48:20.50	HZ	0.003	1.0								ErrZ 5
	e S	19:48:40.48	HE					<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp Per</i>
MORF	e Sg	19:48:42.63	HE	0.002	0.2			EVO	e Pg	01:52:03.29	HZ	0.018	0.1
MTE	e Sg	19:48:43.41	HN	0.002	0.1				e Sg	01:52:07.04	HN		
								PESTR	e Pg	01:52:04.07	HZ	0.004	0.2
									e Sg	01:52:08.27	HN		
								PMTG	e Pg	01:52:04.66	HZ	0.003	0.2
									e Sg	01:52:09.69	HN		
								PACT	e Pg	01:52:11.54	BZ	0.008	0.3
									e Sg	01:52:21.28	BE		
								PBEJ	e Sg	01:52:21.97	EN	0.003	0.3
								PMRV	e P	01:52:12.81	HZ	0.002	0.2
									e S	01:52:23.29	HE		
								PNCL	e P	01:52:13.54	HZ	0.002	0.1
									e S	01:52:24.34	HE		
								PBAR	e P	01:52:15.55	HZ	0.002	0.7
									e S	01:52:29.36	HN		
								MESJ	e S	01:52:29.12	HE	0.002	0.5
								PSBE	e P	01:52:16.56	HZ		
									e S	01:52:29.81	HN		
								PMAFR	e P	01:52:17.77	HZ		
								PCBR	e P	01:52:18.98	EZ	0.002	0.4
									e S	01:52:34.04	EN		
								PCVE	e S	01:52:34.27	HN		
								PCAS	e S	01:52:40.90	HE	0.002	0.7
								PTEO	e S	01:52:42.00	EE		
								PVAQ	e S	01:52:41.75	HN		
								PBDV	e Sn	01:52:45.61	HE		
									e Sg	01:52:47.04	HE		
								MORF	e Sg	01:52:48.35	HE		
								MTE	e Sg	01:52:49.41	HE		
								16-Jan	Ho	02:04:59.5		ML 1.8	
									Lat	38.777°N	Lon	07.956°W	Prof 3
									Região: NE Arraiolos				Rms 0.3
									AxMax	2.0	AxMin	1.2	Ang 93
													ErrZ 3
								<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp Per</i>
								EVO	e Pg	02:05:04.33	HZ	0.146	0.1
									e Sg	02:05:08.07	HN		
								PESTR	e Pg	02:05:05.16	HZ	0.015	0.3
									e Sg	02:05:09.37	HN		
								PMTG	i Pg	d 02:05:05.73	HZ	0.020	0.2
									e Sg	02:05:11.12	HN		
								PACT	e Pg	02:05:12.52	BZ	0.019	0.3
									e Sg	02:05:22.24	BE		
								PBEJ	e P	02:05:12.93	EZ	0.020	0.1
									e S	02:05:22.83	EE		
								PMRV	e P	02:05:14.02	HZ	0.017	0.2
									e S	02:05:24.50	HE		
								PNCL	e P	02:05:14.05	HZ	0.009	0.1
									e S	02:05:24.79	HE		
								PBAR	e P	02:05:16.31	HZ	0.013	0.2
									e S	02:05:29.42	HE		
								MESJ	e P	02:05:16.90	HZ	0.006	0.4
									e S	02:05:29.94	HN		
								PSES	e P	02:05:21.46	HZ		
									e S	02:05:30.90	HE		
								PSBE	e P	02:05:17.60	HZ	0.011	0.2
									e S	02:05:31.22	HE		
								PMAFR	e P	02:05:18.77	HZ	0.012	0.7
									e S	02:05:32.70	HE		
								PCBR	e P	02:05:19.95	EZ	0.016	0.3
									e S	02:05:35.13	EE		
								PCVE	e P	c 02:05:20.70	HZ	0.009	0.2
									e S	02:05:35.96	HE		
								PCAS	e P	02:05:23.80	HZ	0.011	0.7
									e S	02:05:41.56	HN		

PTEO	e Pn	02:05:25.32	EZ	0.011	0.3
	e Sn	02:05:42.36	EE		
PVAQ	e Pn	02:05:24.86	HN		
	e Sn	02:05:42.57	HE		
COI	e Sn	02:05:45.41	HN	0.012	0.4
PBDV	e Pn	02:05:25.96	HZ	0.009	0.3
	e Pg	02:05:27.44	HZ		
	e Sn	02:05:46.55	HE		
MORF	e Pg	02:05:27.86	HZ	0.007	0.1
	e Sg	02:05:49.02	HN		
MTE	e Pn	02:05:29.18	HZ	0.008	1.8
	e Sn	02:05:49.73	HN		
MVO	e Pn	02:05:39.37	HZ	0.003	0.5
	e Sn	02:06:09.47	HE		
PVRL	e Pg	02:05:44.77	SZ	0.004	0.8
	e Sg	02:06:16.67	SN		
PBRG	e Pn	02:05:48.63	HZ		

16-Jan	Ho	02:08:24.8			ML 0.5
	Lat	38.776°N	Lon	07.962°W	Prof 15
	Região:	NE Arraiolos			Rms 0.1
	AxMax	1.9	AxMin	1.1	Ang 85 ErrZ 8
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp Per</i>
EVO	e Pg	02:08:29.98	HZ	0.003	0.3
	e Sg	02:08:33.68	HE		
PESTR	e Pg	02:08:31.16	HZ		
	e Sg	02:08:35.27	HE		
PMTG	e Pg	02:08:31.60	HZ		
	e Sg	02:08:36.86	HN		
PBEJ	e S	02:08:48.46	EE		
PBAR	e S	02:08:55.75	HE		

16-Jan	Ho	04:21:34.3			ML 0.5
	Lat	38.794°N	Lon	07.960°W	Prof 3
	Região:	NE Arraiolos			Rms 0.2
	AxMax	2.1	AxMin	1.3	Ang 99 ErrZ 4
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp Per</i>
EVO	e Pg	04:21:38.91	HZ	0.005	0.3
	e Sg	04:21:42.66	HE		
PESTR	e Sg	04:21:43.98	HE		
PMTG	e Pg	04:21:40.24	HZ	0.002	0.8
	e Sg	04:21:45.34	HE		
PMRV	e P	04:21:49.27	HZ		
	e S	04:21:58.91	HE		
PNCL	e S	04:22:00.66	HN		
PBAR	e S	04:22:04.71	HE	0.001	0.8
PVAQ	e S	04:22:18.00	HE		

16-Jan	Ho	05:10:46.2			ML 1.2
	Lat	37.341°N	Lon	08.554°W	Prof 16
	Região:	NE Monchique			Rms 0.3
	AxMax	3.9	AxMin	3.1	Ang 47 ErrZ 6
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp Per</i>
MORF	i Pg	c 05:10:49.02	HZ	0.052	0.1
	e Sg	05:10:51.37	HE		
PTEO	e Pg	05:10:51.52	EZ	0.006	0.2
	e Sg	05:10:55.13	EN		
PCVE	e Pg	05:10:55.70	HZ	0.004	0.3
	e Sg	05:11:02.13	HE		
PBDV	e Pg	05:10:55.68	HZ	0.008	0.3
	e Sg	05:11:02.65	HE		
MESJ	e Pg	05:10:57.05	HZ	0.004	0.2
	e Sg	05:11:04.28	HE		
PVAQ	e Pg	05:10:58.38	HN		
	e Sg	05:11:07.20	HE		
PNCL	e P	05:11:00.60	HZ	0.006	0.4
	e S	05:11:10.30	HN		
PBEJ	e S	05:11:13.88	EN		
EVO	e S	05:11:25.97	HE	0.002	0.2
PBAR	e Pg	05:11:12.92	HZ	0.002	0.6
	e Sg	05:11:31.77	HN		
PESTR	e Sg	05:11:38.50	HE		
PMTG	e Sn	05:11:34.74	HE	0.002	0.5
	e Sg	05:11:40.66	HN		
PMRV	e Sg	05:11:55.18	HE		

16-Jan	Ho	07:47:17.0			ML 0.7
	Lat	37.293°N	Lon	08.642°W	Prof 11
	Região:	SW Monchique			Rms 0.1
	AxMax	5.7	AxMin	1.8	Ang 55 ErrZ 3
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp Per</i>
MORF	e Pg	c 07:47:18.77	HZ	0.065	0.1
	e Sg	07:47:20.43	HE		
PTEO	e Pg	07:47:22.23	EZ		
	e Sg	07:47:25.82	EE		
PCVE	e Sg	07:47:34.53	HE		
MESJ	e S	07:47:37.67	HN		
PVAQ	e S	07:47:40.90	HE		
PNCL	e S	07:47:43.24	HN	0.001	0.6

16-Jan	Ho	09:12:46.7			ML 1.9
	Lat	36.477°N	Lon	09.927°W	Prof 34
	Região:	SW Cabo S.Vicente			Rms 0.4
	AxMax	13.2	AxMin	6.5	Ang 66 ErrZ 21
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp Per</i>
MORF	e P	09:13:07.52	HZ	0.012	0.1
	e S	09:13:23.05	HN		
PTEO	e S	09:13:25.89	EE	0.007	0.2
PBDV	e P	09:13:13.99	HZ	0.004	0.6
	e S	09:13:34.16	HN		
PCVE	e P	09:13:15.82	HZ	0.004	0.5
	e S	09:13:37.29	HN		
MESJ	e P	09:13:15.82	HZ	0.004	0.4
	e S	09:13:37.68	HN		
PNCL	e P	09:13:16.55	HZ	0.003	0.1
	e S	09:13:38.52	HN		
PVAQ	e P	09:13:16.92	HN		
	e S	09:13:39.47	HN		
PSES	e S	09:13:40.76	HN	0.010	0.2
PMAFR	e P	09:13:24.11	HZ	0.012	0.8
	e S	09:13:51.68	HE		
EVO	e S	09:13:52.14	HE	0.007	0.1
PBAR	e P	09:13:28.61	HZ	0.001	0.2
	e S	09:14:00.37	HN		
PMTG	e P	09:13:29.48	HZ	0.003	0.2
	e S	09:14:00.94	HE		
PESTR	e S	09:14:03.83	HE	0.003	0.6
PMRV	e S	09:14:16.68	HN	0.003	0.2

16-Jan	Ho	12:14:21.4			ML 2.2
	Lat	37.867°N	Lon	03.235°W	Prof 14
	Região:	NW Almeria (ESP)			Rms 0.4
	AxMax	1.7	AxMin	1.4	Ang 51 ErrZ 3
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp Per</i>
PBAR	e Pn	12:15:08.52	HZ	0.006	0.1
	e Sn	12:15:43.00	HE		
	e Sg	12:15:54.58	HN		
PESTR	e Sn	12:15:55.90	HE	0.005	0.6
	e Sg	12:16:11.43	HN		
PVAQ	e Sn	12:15:55.73	HE		
	e Sg	12:16:10.78	HE		
PMRV	e Pg	12:15:25.19	HZ	0.007	0.4
	e Sn	12:15:56.75	HN		
	e Sg	12:16:14.81	HN		
PBDV	e Sg	12:16:18.28	HN	0.003	0.2
PCVE	e Sn	12:16:01.67	HE	0.004	0.4
EVO	e Sn	12:16:02.47	HN		
	e Sg	12:16:18.60	HN		
PCBR	e Sn	12:16:03.26	EE		
PMTG	e Sn	12:16:08.39	HE	0.004	0.3
PNCL	e Sg	12:16:30.73	HE	0.002	0.3

16-Jan	Ho	13:02:08.0	Distante (NEIC)	MW 5.4
	Lat	04.660°S	Lon	144.070°E
	Região:	Near N Coast of New Guinea, Png.		Prof 81
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>
PBRG	e PKPdf	13:21:17.44	BZ	
MVO	e PKPdf	13:21:18.65	BZ	
PGAV	e PKPdf	13:21:17.30	BZ	
POLO	e PKPdf	13:21:19.14	BZ	
PVRL	e PKPdf	13:21:18.04	SZ	
PVIS	e PKPdf	13:21:20.10	BZ	
MTE	e PKPdf	13:21:20.11	BZ	
PCBR	e PKPdf	13:21:20.80	SZ	

PMRV	e PKPdf	13:21:20.17	BZ
i	-	13:21:57.30	BZ
PCAS	e PKPdf	13:21:21.51	BZ
PESTR	e PKPdf	13:21:22.54	BZ
PBAR	e PKPdf	13:21:22.49	BZ
PMTG	e PKPdf	13:21:22.05	BZ
EVO	e PKPdf	13:21:22.86	BZ
PBEJ	e PKPdf	13:21:23.96	SZ
PNCL	e PKPdf	13:21:24.19	BZ
MESJ	e PKPdf	13:21:24.14	BZ
PVAQ	e PKPdf	13:21:24.31	BZ
PCVE	e PKPdf	13:21:24.63	BZ
MORF	e PKPdf	13:21:25.34	BZ
PMPST	e PKPab	13:21:39.90	BZ
PMAR	e PKPab	13:21:42.11	BZ
FUL	e PKPab	13:21:41.90	EZ
PMOZ	e PKPab	13:21:42.11	BZ

16-Jan	Ho	15:02:26.0	Distante (NEIC)		MB 4.8	
	Lat	15.760°S	Lon 74.620°W		Prof 40	
Região: Near Coast of Peru						
Est	Fase	P	h:m:s	Dur	Co	Amp Per
MORF	e P		15:14:41.51		BZ	0.048 1.7
PTEO	e P		15:14:41.09		SZ	
PNCL	e P		15:14:43.26		BZ	
MESJ	e P		15:14:43.98		BZ	0.042 1.5
PCVE	e P		15:14:43.98		BZ	0.052 1.8
PBEJ	e P		15:14:45.94		SZ	0.034 1.7
PMTG	e P		15:14:46.17		BZ	0.044 1.5
PESTR	e P		15:14:49.01		BZ	
PBAR	e P		15:14:48.55		BZ	
PMRV	e P		15:14:50.00		BZ	
PCBR	e P		15:14:50.52		SZ	
PVIS	e P		15:14:51.19		BZ	
MTE	e P		15:14:52.11		BZ	0.032 1.7
PGAV	e P		15:14:50.30		BZ	0.105 1.9
POLO	e P		15:14:52.96		BZ	
PVRL	e P		15:14:53.39		SZ	
MVO	e P		15:14:55.59		BZ	0.048 1.9

16-Jan	Ho	15:03:55.0	Distante (NEIC)		MW 5.8	
	Lat	10.940°N	Lon 86.330°W		Prof 39	
	Região: Off Coast of Costa Rica					
Est	Fase	P h:m:s	Dur	Co	Amp	Per
PMOZ	e LR	15:35:00.02		LZ	7.530	20
MORF	e P	15:15:25.70		BZ		
	e LR	15:38:58.18		LZ	6.651	22
PCAS	e P	15:15:25.68		BZ		
	e LR	15:39:00.77		LZ	9.146	18
PNCL	e LR	15:38:29.42		LZ	5.948	22
PGAV	e LR	15:40:57.33		LZ	4.610	20
PMTG	e P	15:15:25.18		BZ		
MESJ	e P	15:15:27.43		BZ		
EVO	e P	15:15:27.34		BZ		
PCVE	e LR	15:39:12.41		LZ	7.237	18
PVIS	e P	15:15:25.85		BZ		
PBDV	e LR	15:39:12.16		LZ	6.511	24
PVAQ	e P	15:15:30.65		BZ		
PESTR	e P	15:15:30.02		BZ	0.028	1.3
MTE	e P	15:15:28.20		BZ	0.045	1.5
	e LR	15:39:23.09		LZ	8.133	18
PCBR	e P	15:15:28.50		SZ		
PMRV	e P	15:15:30.33		BZ		
	e LR	15:39:19.68		LZ	4.674	20
MVO	e P	15:15:31.78		BZ		
	e LR	15:39:38.69		LZ	4.478	22
PBAR	e P	15:15:32.37		BZ		
	e LR	15:39:09.13		LZ	5.459	20

16-Jan	Ho	19:18:07.6				ML 0.7
	Lat	37.811°N	Lon	08.238°W		Prof 6
	Região: SW Aljustrel					Rms 0.3
	AxMax	5.6	AxMin	2.4	Ang	56 ErrZ 4
Est	Fase	P	h:m:s	Dur	Co	Amp Per
MESJ	e Pg		19:18:08.63		HZ	0.053 0.1
	e Sg		19:18:10.08		HE	
PCVE	e Pg	d	19:18:12.20		HZ	
	e Sg		19:18:16.68		HE	

PNCL	e Pg	19:18:14.40	HZ	0.003	0.1
	e Sg	19:18:19.52	HN		
PVAQ	e Pg	19:18:18.14	HN		
	e Sg	19:18:25.98	HN		
PBAR	e P	19:18:25.89	HZ		
	e S	19:18:39.34	HN		
PMTG	e P	19:18:30.76	HZ	0.001	0.7
	e S	19:18:47.20	HE		
PMRV	e S	19:19:00.86	HE		

16-Jan	Ho	19:57:18.0	Distante (NEIC)		MW 5.9
	Lat	19.460°S	Lon 179.280°W		Prof 659
	Região: Fiji Islands Region				
Est	Fase	P h:m:s	Dur	Co	Amp Per
PBRG	e PKPdf	20:15:58.78		BZ	
	e PKPab	20:16:33.32		BZ	
POLO	e PKPdf	20:15:59.54		BZ	
	e PKPab	20:16:34.16		BZ	
PVRL	e PKPdf	20:15:59.58		SZ	
	e PKPab	20:16:34.79		SZ	
MVO	e PKPdf	20:15:59.88		BZ	
	e PKPab	20:16:36.27		BZ	
PVIS	e PKPdf	20:16:00.04		BZ	
	e PKPab	20:16:36.85		BZ	
MTE	e PKPdf	20:16:01.00		BZ	
	e PKPab	20:16:38.55		BZ	
PCAS	e PKPdf	20:16:00.73		BZ	
	e PKPab	20:16:38.36		BZ	
PCBR	e PKPdf	20:16:01.35		SZ	
	e PKPab	20:16:40.87		SZ	
PMRV	e PKPdf	20:16:01.70		BZ	
	e PKPab	20:16:42.34		BZ	
PMTG	e PKPdf	20:16:01.42		BZ	
	e PKPab	20:16:42.36		BZ	
PACT	e PKPdf	20:16:02.82		BZ	
	e PKPab	20:16:44.13		BZ	
PSES	e PKPdf	20:16:02.85		BZ	
	e PKPab	20:16:44.13		BZ	
PESTR	e PKPdf	20:16:02.57		BZ	
	e PKPab	20:16:44.25		BZ	
EVO	e PKPdf	20:16:02.71		BZ	
	e PKPab	20:16:45.09		BZ	
PNCL	e PKPdf	20:16:02.96		BZ	
	e PKPab	20:16:46.17		BZ	
PBEJ	e PKPdf	20:16:03.43		SZ	
	e PKPab	20:16:47.48		SZ	
MESJ	e PKPdf	20:16:03.22		BZ	
	e PKPdf	20:16:03.38		BZ	
PBAR	e PKPab	20:16:48.20		BZ	
	e PKPdf	20:16:03.65		SZ	
PTEO	e PKPab	20:16:48.06		SZ	
	e PKPdf	20:16:03.74		BZ	
PCVE	e PKPab	20:16:48.97		BZ	
	e PKPdf	20:16:04.55		BZ	
MORF	e PKPdf	20:16:04.55		BZ	
PVAQ	e PKPab	20:16:50.52		BZ	
PBDV	e PKPdf	20:16:04.49		BZ	

16-Jan	Ho	21:05:28.6				ML	2.6	
	Lat	35.658°N		Lon	03.697°W		Prof	3
	Região: Alboran						Rms	0.4
	AxMax	2.4	AxMin	2.2	Ang	104	ErrZ	4
Est	Fase	P h:m:s		Dur	Co	Amp Per		
PBAR	e P	21:06:24.83			HZ	0.006	0.4	
	e S	21:07:07.63			HE			
PVAQ	e P	21:06:24.83			HN			
	e S	21:07:07.49			HN			
PBDV	e P	21:06:27.05			HZ			
	e S	21:07:09.03			HE			
PCVE	e P	21:06:30.12			HZ	0.008	0.8	
	e S	21:07:15.64			HE			
PBEJ	e P	21:06:32.61			EZ	0.006	0.7	
	e S	21:07:18.06			EN			
MESJ	e P	21:06:33.36			HZ	0.008	0.5	
	e S	21:07:21.57			HE			
PESTR	e P	21:06:37.36			HZ	0.008	0.8	
	e S	21:07:26.86			HN			
PTEO	e P	21:06:36.40			EZ	0.009	0.4	
	e S	21:07:26.60			EE			

EVO	e P	21:06:36.35	HZ	0.011	0.4	PBAR	e P	06:36:00.68	HZ	0.007	0.9
	e S	21:07:26.76	HN				e S	06:36:14.10	HN		
PNCL	e P	21:06:37.56	HZ	0.004	0.6	MESJ	e P	06:36:01.66	HZ	0.003	0.2
	e S	21:07:29.40	HE				e S	06:36:14.31	HE		
PMRV	e P	21:06:41.73	HZ	0.006	0.7	PSBE	e P	06:36:01.65	HZ		
	e S	21:07:34.99	HE				e S	06:36:14.83	HE		
PMTG	e P	21:06:43.70	HZ	0.006	0.5	PMAFR	e S	06:36:17.42	HN		
	e S	21:07:38.59	HN			PCBR	e P	06:36:04.08	EZ		
PCBR	e P	21:06:46.15	EZ	0.006	0.3		e S	06:36:18.58	EE		
	e S	21:07:42.63	EN			PCVE	e P	06:36:04.80	HZ	0.003	0.3
PACT	e P	21:06:46.92	BZ				e S	06:36:20.38	HN		
	e S	21:07:44.45	BN			PCAS	e S	06:36:25.85	HE		
PSES	e P	21:06:46.88	HZ			PTEO	e S	06:36:26.84	EN	0.008	0.4
	e S	21:07:40.70	HE			PVAQ	e P	06:36:09.05	HE		
PMAFR	e S	21:07:52.68	HE				e S	06:36:26.30	HE		
PVIS	e P	21:06:59.36	HZ	0.006	0.4	PBDV	e S	06:36:31.42	HE		
	e S	21:08:04.91	HE			MORF	e S	06:36:33.10	HE		
MVO	e P	21:07:00.14	HZ			MTE	e S	06:36:33.84	HE		
	e S	21:08:06.33	HN								
POLO	e P	21:07:05.91	HZ								
	e S	21:08:16.98	HN								
PBRG	e P	21:07:06.97	HZ								
	e S	21:08:19.49	HE								
PCAB	e S	21:08:26.55	HN								

17-Jan Ho 00:57:19.7 ML 2.3											
Lat 35.420°N Lon 03.729°W Prof 5											
Região: NE Al Hoceima (MARR) Rms 0.4											
AxMax 3.4 AxMin 2.5 Ang 99 ErrZ 6											
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp</i>	<i>Per</i>					
PVAQ	e P	00:58:17.16		HN							
	e S	00:58:59.17		HN							
PBAR	e P	00:58:17.73		HZ	0.003	0.5					
	e S	00:59:01.98		HN							
PBDV	e P	00:58:17.93		HZ	0.004	0.7					
	e S	00:59:02.11		HN							
PCVE	e P	00:58:22.64		HZ	0.004	0.3					
	e S	00:59:09.39		HE							
PBEJ	e P	00:58:23.95		EZ							
	e S	00:59:11.59		EN							
MESJ	e P	00:58:24.75		HZ	0.005	0.6					
	e S	00:59:14.67		HE							
PTEO	e P	00:58:28.67		EZ							
	e S	00:59:19.50		EE							
EVO	e S	00:59:20.34		HN							
PESTR	e P	00:58:29.70		HZ							
PNCL	e P	00:58:29.31		HZ							
	e S	00:59:22.93		HE							
PMRV	e P	00:58:33.60		HZ	0.002	0.9					
	e S	00:59:28.23		HE							
PMTG	e P	00:58:35.97		HZ	0.003	0.8					
	e S	00:59:32.49		HE							

17-Jan											
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp</i>	<i>Per</i>					
MVO	e Pg	d 02:13:55.93		HZ	0.020	0.1					
	e Sg	02:13:56.90		HE							

17-Jan Ho 06:35:43.8 ML 1.4											
Lat 38.784°N Lon 07.963°W Prof 2											
Região: NE Arraiolos Rms 0.3											
AxMax 2.4 AxMin 1.4 Ang 93 ErrZ 4											
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp</i>	<i>Per</i>					
EVO	e Pg	06:35:48.42		HZ	0.117	0.1					
	e Sg	06:35:52.29		HE							
PESTR	e Pg	06:35:49.33		HZ	0.009	0.7					
	e Sg	06:35:53.88		HN							
PMTG	e Pg	d 06:35:49.71		HZ	0.010	2.0					
	e Sg	06:35:55.10		HE							
PACT	e P	06:35:56.51		BZ							
	e S	06:36:06.18		BN							
PBEJ	e P	06:35:57.20		EZ	0.007	0.2					
	e S	06:36:07.29		EE							
PMRV	e P	06:35:57.99		HZ	0.006	0.2					
	e S	06:36:08.63		HN							
PNCL	e P	06:35:58.59		HZ							
	e S	06:36:08.98		HN							

17-Jan Ho 15:10:36.9 ML 1.4											
Lat 38.501°N Lon 07.454°W Prof 6											
Região: NE Reguengos de Monsaráz Rms 0.3											
AxMax 2.1 AxMin 1.4 Ang 92 ErrZ 4											
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp</i>	<i>Per</i>					
PESTR	e Pg	15:10:43.62		HZ	0.006	0.3					
	e Sg	15:10:49.23		HN							
EVO	e Pg	15:10:45.02		HZ	0.021	0.5					
	e Sg	15:10:50.80		HN							
PBAR	e Pg	15:10:45.07		HZ	0.011	0.7					
	e Sg	15:10:51.62		HE							
PBEJ	e P	15:10:47.50		EZ	0.009	0.2					
	e Sg	15:10:54.93		EN							
PMTG	e P	15:10:51.90		HZ	0.008	0.7					
	e S	15:11:03.36		HE							
MESJ	e P	15:10:53.69		HZ	0.002	0.1					
	e S	15:11:05.13		HE							
PMRV	e P	15:10:54.39		HZ	0.006	0.2					
	e S	15:11:06.20		HE							
PNCL	e P	15:10:54.08		HZ	0.002	0.2					
	e S	15:11:06.53		HN							
PCVE	e P	15:10:55.77		HZ	0.004	0.2					
	e S	15:11:08.47		HN							
PVAQ	e S	15:11:12.00		HE	0.002	0.3					
PBDV	e S	15:11:17.72		HE	0.005	0.2					
PTEO	e S	15:11:19.63		EN							

17-Jan	Ho	22:56:59.0	Distante (NEIC)		MW 5.8
	Lat	30.025°S	Lon 177.743°W		Prof 42
Região: Kermadec Islands, New Zealand					
Est	Fase	P h:m:s	Dur	Co	Amp Per
PGAV	e PKPdf	23:17:00.04		BZ	
POLO	e PKPdf	23:17:00.94		BZ	
PVRL	e PKPdf	23:17:00.99		SZ	
	e PKPab	23:18:00.26		SZ	
PBRG	e PKPdf	23:17:02.59		BZ	
PVIS	e PKPdf	23:17:01.05		BZ	
	e PKPab	23:18:02.41		BZ	
MVO	e PKPdf	23:17:01.50		BZ	
	e PKPab	23:18:03.13		BZ	
PCAS	e PKPdf	23:17:00.83		BZ	
MTE	e PKPdf	23:17:00.82		BZ	
PCBR	e PKPdf	23:17:00.98		SZ	
PNCL	e PKPdf	23:17:01.54		BZ	
PESTR	e PKPdf	23:17:02.33		BZ	
	e PKPab	23:18:08.95		BZ	
MESJ	e PKPdf	23:17:02.84		BZ	
	e PKPab	23:18:10.57		BZ	
PBEJ	e PKPdf	23:17:02.36		SZ	
PCVE	e PKPdf	23:17:03.06		BZ	
PBAR	e PKPdf	23:17:02.81		BZ	
	e PKPab	23:18:12.68		BZ	
PBDV	e PKPdf	23:17:02.99		BZ	

18-Jan	Ho	10:59:12.6			ML 2.2		
	Lat	35.732°N	Lon	03.590°W	Prof 19		
	Região: Alboran				Rms 0.4		
	AxMax	4.9	AxMin	4.7	Ang 51	ErrZ 10	
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp</i>	<i>Per</i>	
PBAR	e P	11:00:08.03		HZ			
	e S	11:00:49.40		HE			
PVAQ	e S	11:00:50.28		HN			
PBDV	e P	11:00:09.23		HZ	0.003	0.2	
	e S	11:00:52.03		HN			
PCVE	e P	11:00:12.81		HZ	0.003	0.2	
	e S	11:00:58.01		HN			
MESJ	e P	11:00:15.27		HZ	0.004	0.7	
	e S	11:01:03.41		HN			
PESTR	e P	11:00:18.73		HZ	0.003	0.6	
	e S	11:01:08.47		HE			
PNCL	e P	11:00:20.69		HZ			
	e S	11:01:11.75		HN			
PMRV	e P	11:00:22.23		HZ	0.002	0.3	
	e S	11:01:17.39		HE			

18-Jan	Ho	11:43:04.3			ML 2.5		
	Lat	36.253°N	Lon	07.622°W	Prof 4		
	Região: Golfo de Cádiz				Rms 0.3		
	AxMax	4.0	AxMin	2.2	Ang 35	ErrZ 3	
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp</i>	<i>Per</i>	
PBDV	e P	11:43:23.08		HZ	0.034	0.6	
	e S	11:43:37.05		HE			
PVAQ	e P	11:43:25.14		HZ			
	e S	11:43:40.88		HN			
MORF	e P	11:43:26.72		HZ	0.192	0.1	
	e S	11:43:46.21		HE			
PCVE	e P	11:43:28.94		HZ	0.026	0.3	
	e S	11:43:47.36		HE			
PTEO	e S	11:43:51.19		EN	0.021	0.2	
MESJ	e P	11:43:32.10		HZ	0.026	0.3	
	e S	11:43:53.19		HE			
PBEJ	e S	11:43:56.74		EE	0.012	0.1	
PBAR	e P	11:43:36.92		HZ	0.013	0.5	
	e S	11:44:00.66		HE			
PNCL	e P	11:43:36.31		HZ	0.027	0.4	
	e S	11:44:01.61		HE			
EVO	e S	11:44:08.62		HN	0.020	0.1	
PSBS	e S	11:44:12.99		HN			
PESTR	e P	11:43:45.22		HZ	0.004	0.3	
	e S	11:44:16.11		HN			
PACT	e P	11:43:46.56		BZ	0.042	0.2	
	e S	11:44:20.71		BE			
PMTG	e P	11:43:48.48		HZ	0.011	1.3	
	e S	11:44:21.97		HN			
PMAFR	e P	11:43:50.53		HZ	0.031	0.6	
	e S	11:44:24.81		HE			
PMRV	e P	11:43:53.05		HZ	0.008	0.5	
	e S	11:44:29.88		HN			
PSBE	e P	11:43:56.03		HZ	0.013	0.5	
	e S	11:44:34.57		HE			
PCBR	e P	11:43:58.78		EZ	0.004	0.4	
	e S	11:44:39.60		EN			
PCAS	e P	11:44:02.45		HZ			
	e S	11:44:45.84		HE			
MTE	e P	11:44:06.38		HZ			
	e S	11:44:52.65		HN			
MVO	e P	11:44:17.02		HZ	0.006	0.2	
	e S	11:45:11.54		HN			
POLO	e P	11:44:19.67		HZ	0.002	0.7	
	e S	11:45:15.50		HN			
PBRG	e P	11:44:25.55		HZ			
	e S	11:45:26.78		HN			
PGAV	e P	11:44:27.44		HZ			
	e S	11:45:30.25		HN			

18-Jan	Ho	12:08:53.8	Distante (NEIC)	MW 5.8			
	Lat	52.516°N	Lon	153.012°E	Prof 466		
	Região: Northwest of Kuril Islands						
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp</i>	<i>Per</i>	
PBRG	e P	12:20:35.17		BZ	0.040	2.0	
PGAV	e P	12:20:35.83		BZ	0.073	1.7	
POLO	e P	12:20:38.23		BZ	0.020	1.8	

MVO	e P	12:20:38.50		BZ	0.039	1.6	
PVRL	e P	12:20:38.27		SZ			
MTE	e P	12:20:44.15		BZ	0.041	1.6	
PCBR	e P	12:20:46.17		SZ	0.044	2.0	
PESTR	e P	12:20:50.63		BZ	0.041	1.8	
PBAR	e P	12:20:53.35		BZ	0.040	1.8	

18-Jan	Ho	17:48:39.7	Distante (NEIC)	MW 5.6			
	Lat	06.390°S	Lon	132.813°E	Prof 27		
	Região: Tanimbar Islands Reg., Indonesia						
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp</i>	<i>Per</i>	
PBRG	e PKP	18:07:48.44		BZ			
MVO	e PKP	18:07:49.49		BZ			
PGAV	e PKP	18:07:50.54		BZ			
MTE	e PKP	18:07:51.83		BZ			
PCBR	e PKP	18:07:52.14		SZ			
EVO	e PKP	18:07:51.61		BZ			

19-Jan	Ho	04:40:58.7			ML 2.5		
	Lat	35.667°N	Lon	04.753°W	Prof 73		
	Região: Alboran				Rms 0.3		
	AxMax	4.8	AxMin	3.1	Ang 171	ErrZ 6	
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp</i>	<i>Per</i>	
PVAQ	e P	04:41:43.04		HE			
	e S	04:42:16.04		HN			
PBDV	e P	04:41:43.79		HZ	0.015	0.7	
	e S	04:42:17.84		HE			
PBAR	e P	04:41:45.36		HZ	0.007	0.1	
	e S	04:42:19.61		HE			
PCVE	e P	04:41:47.62		HZ	0.008	0.7	
	e S	04:42:24.46		HN			
PBEJ	e P	04:41:49.65		EZ	0.007	0.1	
	e S	04:42:27.97		EN			
MESJ	e P	04:41:50.87		HZ	0.010	0.5	
	e S	04:42:30.39		HN			
MORF	e P	04:41:51.03		HZ	0.019	0.5	
	e S	04:42:30.35		HE			
PTEO	e P	04:41:53.60		EZ	0.014	0.3	
	e S	04:42:34.63		EE			
EVO	e P	04:41:55.86		HZ	0.020	0.1	
	e S	04:42:38.45		HE			
PNCL	e P	04:41:55.82		HZ	0.007	0.7	
	e S	04:42:38.62		HN			
PESTR	e P	04:41:56.62		HZ	0.003	0.1	
	e S	04:42:39.27		HE			
PMRV	e P	04:42:01.79		HZ			
	e S	04:42:48.36		HN			
PMTG	e P	04:42:02.70		HZ			
	e S	04:42:49.82		HN			
PCBR	e P	04:42:07.23		EZ			
	e S	04:42:58.43		EE			
MTE	e P	04:42:14.43		HZ			
	e S	04:43:11.92		HE			
PCAS	e P	04:42:15.60		HZ			
PVIS	e P	04:42:19.65		HZ			
	e S	04:43:20.74		HN			
MVO	e P	04:42:22.29		HZ			
	e S	04:43:23.35		HE			
PVRL	e P	04:42:25.85		SZ	0.004	0.5	
	e S	04:43:31.03		SN			
POLO	e P	04:42:27.98		HZ			
PGAV	e P	04:42:37.28		HZ			

19-Jan	Est	Fase	P h:m:s	Dur	Co	Amp	Per
	PBDV	e P	06:02:14.97		HZ		
		e S	06:02:24.13		HE		
	PVAQ	e S	06:02:31.68		HN		
	PCVE	e S	06:02:31.81		HE		
	MESJ	e S	06:02:36.19		HE	0.003	0.8
	PNCL	e S	06:02:41.89		HE		

19-Jan Ho 06:43:22.1 ML 1.2									
Lat 37.319°N Lon 08.542°W Prof 14									
Região: NE Monchique Rms 0.2									
AxMax 3.2 AxMin 1.8 Ang 55 ErrZ 7									
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp</i>	<i>Per</i>			
MORF	e Pg	06:43:24.58		HZ	0.030	0.2			
	e Sg	06:43:27.23		HN					
PTEO	i Pg	06:43:27.48		EZ					
	e Sg	06:43:31.64		EN					
PBDV	e Pg	06:43:31.19		HZ	0.006	0.6			
	e Sg	06:43:38.26		HE					
PCVE	e Pg	06:43:31.60		HZ	0.004	0.2			
	e Sg	06:43:38.48		HE					
MESJ	e Pg	06:43:32.96		HZ	0.004	0.3			
	e Sg	06:43:40.61		HE					
PVAQ	e Pg	06:43:34.00		HE					
	e Sg	06:43:43.24		HE					
PNCL	e P	06:43:36.55		HZ	0.009	0.4			
	e S	06:43:46.85		HN					
PBEJ	e S	06:43:49.74		EE	0.002	0.2			
EVO	e S	06:44:01.60		HN	0.006	0.6			
PBAR	e Sg	06:44:08.04		HN					
PESTR	e Sg	06:44:15.53		HE					
PMTG	e Sg	06:44:16.96		HE	0.002	0.4			
19-Jan Ho 09:47:04.4 ML 1.7									
Lat 36.548°N Lon 09.893°W Prof 38*									
Região: SW Cabo S.Vicente Rms 0.3									
AxMax 5.9 AxMin 4.0 Ang 89 ErrZ 0									
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp</i>	<i>Per</i>			
MORF	e P	09:47:24.27		HZ	0.006	0.3			
	e S	09:47:39.84		HE					
PTEO	e P	09:47:25.63		EZ					
	e S	09:47:41.98		EE					
PBDV	e P	09:47:30.79		HZ					
	e S	09:47:50.61		HE					
PCVE	e P	09:47:32.44		HZ	0.003	0.5			
	e S	09:47:53.95		HE					
MESJ	e P	09:47:32.44		HZ	0.004	0.8			
	e S	09:47:53.42		HN					
PNCL	e P	09:47:33.14		HZ	0.002	0.1			
	e S	09:47:54.65		HE					
PVAQ	e S	09:47:55.67		HE					
PMAFR	e S	09:48:08.00		HN					
EVO	e S	09:48:08.93		HN	0.004	0.2			
PBAR	e P	09:47:46.23		HZ	0.002	0.6			
	e S	09:48:16.07		HN					
PMTG	e P	09:47:46.28		HZ	0.002	0.3			
	e S	09:48:16.86		HE					
PESTR	e S	09:48:19.87		HE					
PSBE	e S	09:48:24.53		HN					
PMRV	e P	09:47:55.11		HZ	0.002	0.8			
	e S	09:48:32.53		HN					
19-Jan									
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp</i>	<i>Per</i>			
PBDV	e Pn	10:53:19.17		HZ	0.005	0.4			
	e Sn	10:53:48.10		HN					
PBAR	e Sg	10:53:43.05		HE	0.002	0.3			
PVAQ	e Sg	10:53:48.24		HN					
19-Jan Ho 13:49:16.0 ML 1.8									
Lat 36.550°N Lon 09.791°W Prof 17*									
Região: SW Cabo S.Vicente Rms 0.3									
AxMax 5.2 AxMin 4.2 Ang 70 ErrZ 0									
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp</i>	<i>Per</i>			
MORF	e P	13:49:36.21		HZ	0.025	0.1			
	e S	13:49:51.49		HN					
PTEO	e P	13:49:38.02		EZ	0.008	0.2			
	e S	13:49:54.38		EN					
PBDV	e P	13:49:42.36		HZ	0.003	0.3			
	e S	13:50:02.08		HN					
PCVE	e P	13:49:44.43		HZ	0.005	0.5			
	e S	13:50:05.70		HN					
MESJ	e P	13:49:44.64		HZ	0.004	0.1			
	e S	13:50:06.26		HN					
PNCL	e P	13:49:45.17		HZ	0.005	1.3			
	e S	13:50:07.22		HN					
19-Jan Ho 16:17:42.5 Distante (NEIC) MW 6.3									
Lat 26.679°N Lon 111.107°W Prof 11									
Região: Gulf of California									
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp</i>	<i>Per</i>			
PMOZ	e S	16:40:03.49		LN					
	e LR	16:55:27.53		LZ	11.88	18			
PMAR	e P	16:29:51.93		BZ	0.572	1.9			
PGAV	e S	16:40:17.84		LE					
	e SS	16:45:45.52		LN					
	e LR	16:57:12.24		LZ	40.92	18			
POLO	e P	16:30:06.98		BZ	0.036	1.6			
	e S	16:40:23.01		LN					
	e SS	16:45:45.24		LE					
PVRL	e P	16:30:06.90		SZ	0.083	1.0			
PMAFR	e S	16:40:26.86		LN					
	e SS	16:45:52.17		LE					
COI	e S	16:40:24.59		LN					
	e SS	16:45:53.44		LN					
PCAS	e P	16:30:08.34		BZ	0.089	1.7			
	e S	16:40:24.57		LN					
	e SS	16:45:44.23		LN					
PVIS	e P	16:30:07.47		BZ					
PBRG	e S	16:40:29.73		LN					
PSES	e P	16:30:10.53		BZ					
PACT	e P	16:30:10.24		BZ					
MVO	e P	16:30:10.87		BZ	0.164	2.0			
	e S	16:40:30.80		LN					
	e SS	16:45:54.98		LN					
	e LR	16:57:55.23		LZ	31.60	18			
MTE	e P	16:30:10.89		BZ	0.098	1.6			
	e S	16:40:31.62		LE					
	e SS	16:45:58.77		LN					
	e LR	16:57:28.85		LZ	15.12	20			
PMTG	e S	16:40:30.08		LE					
	e SS	16:45:56.51		LE					
PCBR	e P	16:30:11.80		SZ	0.101	1.7			
PNCL	e P	16:30:13.24		BZ	0.094	1.7			
	e S	16:40:34.66		LN					
	e SS	16:46:00.33		LE					
PTEO	e P	16:30:12.70		SZ					
PMRV	e P	16:30:13.33		BZ	0.146	1.7			
	e S	16:40:35.62		LE					
	e SS	16:45:59.91		LE					
	e LR	16:57:21.81		LZ	27.77	20			
EVO	e P	16:30:12.32		BZ	0.051	2.0			
PESTR	e P	16:30:13.73		BZ	0.123	1.7			
	e S	16:40:36.66		LE					
	e SS	16:46:02.19		LE					
MORF	e P	16:30:13.61		BZ	0.117	1.4			
	e S	16:40:35.86		LE					
	e SS	16:46:01.84		LE					
MESJ	e P	16:30:15.26		BZ	0.117	1.8			
PBEJ	e P	16:30:17.06		SZ	0.076	2.0			
PCVE	e P	16:30:15.72		BZ	0.167	1.9			
	e S	16:40:36.88		LE					
	e SS	16:46:06.66		LE					
PBDV	e S	16:40:43.34		LE					
	e SS	16:46:09.15		LN					
PVAQ	e S	16:40:44.17		LN					
	e SS	16:46:12.13		LN					
	e LR	16:59:23.45		LZ	3.834	20			
PBAR	e P	16:30:17.27		BZ	0.106	1.9			
	e S	16:40:43.44		LN					
	e SS	16:46:14.74		LN					

19-Jan	Ho	17:31:11.4			ML 1.9
	Lat	36.462°N	Lon	09.031°W	Prof 16
	Região: SW Cabo S.Vicente				Rms 0.3
	AxMax	4.9	AxMin	3.2	Ang 87 ErrZ 3
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp Per</i>
PFVI	e Pg	d 17:31:24.25		HZ	0.022 0.1
	e Sg	17:31:33.78		HE	
MORF	e P	17:31:27.44		HZ	0.026 0.2
	e S	17:31:39.48		HE	
PTEO	e P	c 17:31:30.47		EZ	0.015 0.3
	e S	17:31:44.85		EE	
PBDV	e P	17:31:31.55		HZ	0.010 0.3
	e S	17:31:47.12		HN	
PCVE	e Pn	17:31:34.74		HZ	0.006 0.1
	e Pg	17:31:36.74		HZ	
	e Sg	17:31:55.49		HE	
PVAQ	e Pg	17:31:37.09		HN	
	e Sg	17:31:54.76		HE	
MESJ	e Pn	17:31:36.40		HZ	0.006 0.5
	e Sg	17:31:58.82		HN	
PNCL	e Pg	17:31:41.47		HZ	0.006 0.2
	e Sg	17:32:02.87		HN	
PBEJ	e Sg	17:32:07.85		EE	0.005 0.3
PACT	e Sn	17:32:15.95		BN	
	e Sg	17:32:24.62		BE	
PBAR	e Pn	17:31:47.81		HZ	0.003 0.2
	e Sg	17:32:23.39		HN	
PMAFR	e Sn	17:32:18.63		HN	
PESTR	e Pn	17:31:51.77		HZ	
	e Sn	17:32:23.05		HE	
	e Sg	17:32:32.94		HN	
PMTG	e Pn	17:31:51.88		HZ	0.002 0.2
	e Sn	17:32:23.02		HE	
	e Sg	17:32:34.33		HE	
PMRV	e Pn	17:31:59.36		HZ	
	e Sn	17:32:35.86		HN	
POLO	e Sn	17:33:19.69		HN	

19-Jan	Ho	18:48:45.7			ML 2.4
	Lat	35.507°N	Lon	03.667°W	Prof 10*
	Região: Alboran				Rms 0.4
	AxMax	2.9	AxMin	2.5	Ang 4 ErrZ 0
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp Per</i>
PVAQ	e P	18:49:42.90		HN	
	e S	18:50:25.22		HE	
PBAR	e P	18:49:43.16		HZ	0.005 0.5
	e S	18:50:26.37		HE	
PBDV	e P	18:49:43.57		HZ	0.006 0.3
	e S	18:50:28.01		HE	
PCVE	e P	18:49:47.53		HZ	0.006 0.5
	e S	18:50:35.26		HE	
MESJ	e P	18:49:50.94		HZ	0.006 0.7
	e S	18:50:39.56		HN	
MORF	e P	18:49:52.13		HZ	0.005 0.2
	e S	18:50:40.64		HN	
PTEO	e P	18:49:53.72		EZ	
	e S	18:50:45.26		EN	
PESTR	e P	18:49:55.35		HZ	
PNCL	e P	18:49:55.20		HZ	0.003 0.3
	e S	18:50:47.77		HE	
PMRV	e P	18:49:59.58		HZ	0.002 0.3
	e S	18:50:53.09		HN	
PMTG	e P	18:50:01.74		HZ	0.004 0.6
	e S	18:50:57.84		HN	
PACT	e P	18:50:04.05		BZ	
	e S	18:51:03.65		BN	
PCBR	e P	18:50:04.41		EZ	0.003 0.4
	e S	18:51:01.97		EE	
MVO	e P	18:50:18.08		HZ	
	e S	18:51:26.43		HE	
POLO	e P	18:50:23.03		HZ	
PBRG	e P	18:50:25.53		HZ	

19-Jan	Est	Fase	P h:m:s	Dur	Co	Amp Per
	PBRG	e Sg	18:56:15.74		HE	
	MVO	e Sg	18:56:18.02		HN	0.003 0.4
	MTE	e Sg	18:56:32.17		HE	

POLO	e Sg	18:56:35.14	HN	0.001 0.5
PCBR	e Sg	18:56:36.02	EN	0.002 0.9
PMRV	e Sg	18:56:39.39	HE	0.003 0.6
PBAR	e Sg	18:56:57.36	HE	0.002 0.8

19-Jan	Ho	19:04:31.0			ML 1.3
	Lat	36.803°N	Lon	08.396°W	Prof 5*
	Região: SW Albufeira				Rms 0.2
	AxMax	3.0	AxMin	2.7	Ang 9 ErrZ 0
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp Per</i>
MORF	e Pg	19:04:41.26		HZ	0.034 0.2
	e Sg	19:04:48.66		HE	
PBDV	e Pg	19:04:41.54		HZ	0.008 0.5
	e Sg	19:04:49.41		HE	
PTEO	e P	19:04:45.29		EZ	0.009 0.6
	e S	19:04:55.81		EN	
PVAQ	e P	19:04:45.54		HN	
	e S	19:04:56.76		HE	
PCVE	e P	19:04:47.02		HZ	0.003 0.4
	e S	19:04:59.30		HE	
MESJ	e P	19:04:49.95		HZ	0.003 0.6
	e S	19:05:04.32		HN	
PNCL	e P	19:04:54.17		HZ	0.002 0.6
	e S	19:05:11.62		HN	
PBAR	e Sg	19:05:25.45		HE	0.002 0.4
EVO	e Sg	19:05:26.69		HE	
PMTG	e Sg	19:05:43.26		HN	

19-Jan	Ho	22:17:55.8	Distante (NEIC)		MB 5.0	
	Lat	33.716°N	Lon	45.714°E	Prof 10	
Região: Iran-Iraq Border Region						
Est	Fase	P h:m:s	Dur	Co	Amp	Per
PBRG	e P	22:25:45.48		BZ	0.040	1.7
MVO	e P	22:25:47.94		BZ	0.055	1.1
PBAR	e P	22:25:51.31		BZ	0.060	1.2
MTE	e P	22:25:51.98		BZ	0.050	1.4
PVRL	e P	22:25:51.99		SZ	0.051	1.1
PCBR	e P	22:25:52.22		SZ	0.059	1.0
PMRV	e P	22:25:52.04		BZ	0.042	1.2
POLO	e P	22:25:52.20		BZ	0.027	1.0
PVIS	e P	22:25:53.79		BZ		
PESTR	e P	22:25:53.89		BZ	0.029	1.2
PGAV	e P	22:25:54.96		BZ	0.069	1.1
PBEJ	e P	22:25:57.20		SZ	0.054	1.7
PVAQ	e P	22:25:57.11		BZ		
EVO	e P	22:25:57.92		BZ	0.031	1.8
COI	e P	22:25:58.03		BZ	0.055	0.7
PTO	e P	22:25:57.99		SZ	0.053	1.7
PMTG	e P	22:25:57.80		BZ	0.023	1.1
PCAS	e P	22:25:58.38		BZ		
PCVE	e P	22:25:58.61		BZ	0.031	1.8
MESJ	e P	22:25:59.37		BZ	0.055	1.7
PNCL	e P	22:26:01.25		BZ	0.034	1.7
PACT	e P	22:26:02.55		BZ		
PTEO	e P	22:26:03.25		SZ		
PMAFR	e P	22:26:04.99		BZ	0.156	1.8

20-Jan	Ho	05:36:52.5			ML 2.8
	Lat	36.253°N	Lon	09.809°W	Prof 37*
	Região: SW Cabo S.Vicente				Rms 0.4
	AxMax	4.1	AxMin	2.1	Ang 79 ErrZ 0
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp Per</i>
MORF	e P	c 05:37:14.53		HZ	0.149 0.2
	e S	05:37:30.83		HN	
PTEO	e P	05:37:16.56		EZ	0.055 0.1
	e S	05:37:34.47		EN	
PBDV	e P	c 05:37:20.20		HZ	0.022 0.2
	e S	05:37:40.25		HE	
PCVE	i P	c 05:37:22.62		HZ	0.021 0.4
	e S	05:37:45.03		HN	
MESJ	e P	c 05:37:23.08		HZ	0.036 0.2
	e S	05:37:45.57		HN	
PVAQ	e P	c 05:37:23.35		HZ	
	e S	05:37:45.71		HE	
PNCL	e P	05:37:24.01		HZ	0.046 0.1
	e S	05:37:47.57		HN	
PSSES	e P	05:37:25.85		HZ	0.055 0.4
	e S	05:37:50.97		HN	

PACT	e Pn	11:43:05.59	BZ	0.351	0.2	20-Jan	Ho	11:47:50.0	Distante (NEIC)	MB 5.2
	e Pg	11:43:07.19	BZ				Lat	22.120°S	Lon 179.480°W	Prof 583
	e Sg	11:43:26.09	BE				Região: South of Fiji Islands			
PBAR	e Pn	11:43:04.80	HZ	0.284	0.3	Est	Fase	P h:m:s	Dur	Co Amp Per
	e Sn	11:43:23.01	HE			PGAV	e PKPdf	12:06:43.48	BZ	
	e Sg	11:43:25.05	HE			MVO	e PKPdf	12:06:44.46	BZ	
GGNV	e Pg	11:43:08.47	HZ	0.415	0.2	PCBR	e PKPdf	12:06:44.61	SZ	
	e Sn	11:43:24.85	HN			MESJ	e PKPdf	12:06:47.04	BZ	
INMG	e Pn	11:43:08.03	HZ	0.428	0.4	PCVE	e PKPdf	12:06:47.46	BZ	
	Sg	11:43:28.41	HE			PBDV	e PKPdf	12:06:47.59	BZ	
PBEN	e Sg	11:43:32.12	HE			20-Jan	Ho	13:50:47.0	Distante (NEIC)	MB 5.1
PCASC	e Sg	11:43:30.85	HE				Lat	43.690°N	Lon 87.440°E	Prof 10
PVFX	e Sg	11:43:31.17	H2				Região: Northern Xinjiang, China			
PESTR	e Pn	11:43:07.91	HZ	0.105	0.4	Est	Fase	P h:m:s	Dur	Co Amp Per
	e Pg	11:43:11.15	HZ			PBRG	e P	14:01:30.14	BZ	0.041 1.8
	e Sn	11:43:27.60	HN			MVO	e P	14:01:33.88	BZ	0.030 1.6
	e Sg	11:43:31.93	HE			PVIS	e P	14:01:39.35	BZ	
PMAFR	e Pn	11:43:09.09	HZ	0.307	0.2	PCBR	e P	14:01:41.06	SZ	0.026 1.6
	e Pg	11:43:12.07	HZ			PMRV	e P	14:01:42.14	BZ	0.025 1.3
	e Sn	11:43:29.66	HN			COI	e P	14:01:43.69	BZ	0.069 1.8
	e Sg	11:43:33.50	HE			PCAS	e P	14:01:44.10	BZ	0.039 1.8
PMTG	e Pn	11:43:08.88	HZ	0.203	0.1	PESTR	e P	14:01:44.94	BZ	0.026 1.5
	e Pg	11:43:13.43	HZ			PBAR	e P	14:01:45.58	BZ	0.024 1.5
	e Sg	11:43:34.22	HN			EVO	e P	14:01:47.03	BZ	0.021 2.2
PSANT	e Pg	11:43:15.34	HZ			MESJ	e P	14:01:51.55	BZ	0.022 1.5
	e Sg	11:43:38.67	HE			PNCL	e P	14:01:51.92	BZ	0.032 1.5
PCDRA	e Sg	11:43:45.43	HE			20-Jan	Ho	14:56:34.9	ML 2.1	
PSBE	e Pn	11:43:15.39	HZ	0.109	0.4		Lat	36.721°N	Lon 03.102°W	Prof 0*
	e Pg	11:43:20.67	HZ				Região: SE Granada (ESP)		Rms 0.4	
	e Sn	11:43:42.44	HE				AxMax 2.4	AxMin 2.2	Ang 97	ErrZ 0
	e Sg	11:43:47.27	HE			Est	Fase	P h:m:s	Dur	Co Amp Per
PMRV	e Pn	11:43:16.05	HZ	0.131	0.5	PBAR	e Pn	14:57:29.50	HZ	0.003 0.4
	e Pg	11:43:25.00	HZ				e Sn	14:58:08.79	HE	
	e Sn	11:43:40.12	HN				e Sg	14:58:24.84	HE	
	e Sg	11:43:48.70	HE			PVAQ	e Pn	14:57:33.08	HN	
PCBR	e Pn	11:43:21.26	EZ	0.055	0.5		e Sn	14:58:15.74	HE	
	e Sn	11:43:51.70	EN			PESTR	e Pn	14:57:37.79	HZ	
	e Sg	11:44:00.99	EE				e Sg	14:58:44.92	HE	
PCAS	e Pn	11:43:22.42	HZ	0.061	0.5	MESJ	e Pn	14:57:39.15	HZ	
	e Pg	11:43:30.24	HZ			PMRV	e Sg	14:58:49.65	HE	0.003 0.7
	e Sn	11:43:53.10	HE			PMTG	e Pn	14:57:46.14	HZ	
	e Sg	11:44:04.70	HE				e Sn	14:58:38.75	HE	
COI	e Pn	11:43:24.94	HZ	0.074	0.2		e Sg	14:59:03.31	HE	
	e Pg	11:43:36.57	HZ			20-Jan	Ho	18:38:31.7	ML 1.0	
	e Sn	11:43:58.25	HN				Lat	37.429°N	Lon 07.158°W	Prof 10
	e Sg	11:44:09.27	HE				Região: NW Huelva (ESP)		Rms 0.3	
MTE	e Pn	11:43:28.27	HZ	0.114	0.6		AxMax 6.2	AxMin 2.2	Ang 144	ErrZ 5
	e Sn	11:44:03.91	HE			Est	Fase	P h:m:s	Dur	Co Amp Per
	e Sg	11:44:17.02	HE			PVAQ	e Pg	18:38:40.15	HE	
PVIS	e Pn	11:43:31.73	HZ	0.045	0.3		e Sg	18:38:46.32	HN	
	e Sn	11:44:10.32	HE			PBDV	e Pg	18:38:43.58	HZ	0.003 0.6
	e Sg	11:44:26.01	HN				e Sg	18:38:52.06	HN	
PTO	e Pn	11:43:37.36	SZ			PCVE	e P	18:38:44.94	HZ	0.006 0.8
	e Sn	11:44:18.23	SE				e S	18:38:54.90	HN	
PVRL	e Pn	11:43:39.55	SZ	0.028	0.1	PBAR	e P	18:38:45.61	HZ	0.004 0.2
	e Sn	11:44:23.08	SN				e S	18:38:55.61	HE	
	e Sg	11:44:44.33	SN			MESJ	e P	18:38:47.52	HZ	0.006 0.7
MVO	e Pn	11:43:39.71	HZ	0.034	0.6		e S	18:39:00.97	HE	
	e Sn	11:44:23.96	HN			MORF	e S	18:39:09.15	HE	
	e Sg	11:44:48.31	HN			PNCL	e S	18:39:10.26	HN	
POLO	e Pn	11:43:40.92	HZ	0.012	0.6	EVO	e S	18:39:11.35	HE	
	e Sn	11:44:25.20	HN			PESTR	e S	18:39:16.68	HE	0.002 0.9
	e Sg	11:44:46.68	HN			PMRV	e Sn	18:39:26.30	HN	
PCAB	e Pn	11:43:45.39	HZ	0.024	0.6		e Sg	18:39:32.05	HN	
	e Sn	11:44:32.55	HE			20-Jan	Ho	20:14:09.4	ML 2.1	
	e Sg	11:44:57.07	HE				Lat	36.690°N	Lon 08.799°W	Prof 4*
PGAV	e Pn	11:43:48.64	HZ	0.017	0.6		Região: SE Cabo S.Vicente		Rms 0.5	
	e Sn	11:44:38.17	HE				AxMax 6.6	AxMin 3.2	Ang 74	ErrZ 0
	e Sg	11:45:05.09	HN			Est	Fase	P h:m:s	Dur	Co Amp Per
PBRG	e Pn	11:43:49.12	HZ	0.019	0.5	PFVI	i Pg	20:14:17.32	HZ	0.041 0.1
	e Sn	11:44:39.55	HN				e Sg	20:14:23.06	HE	
	e Sg	11:45:07.61	HE			MORF	e Pg	20:14:20.62	HZ	0.047 0.5
							e Sg	20:14:29.17	HE	

PTEO	e P	20:14:25.24	EZ	0.043	0.5	PMTG	e Pn	21:01:30.49	HZ	0.003	0.3
	e S	20:14:36.64	EE				e Pg	21:01:35.60	HZ		
PBDV	e P	20:14:25.76	HZ	0.022	0.5		e Sn	21:01:55.81	HE		
	e S	20:14:38.27	HE				e Sg	21:02:03.13	HE		
PCVE	e P	20:14:30.06	HZ	0.027	0.2	PESTR	e Pn	21:01:34.20	HZ	0.003	0.5
	e S	20:14:44.96	HN				e Pg	21:01:38.86	HZ		
PVAQ	e P	20:14:30.17	HN				e Sn	21:01:59.50	HE		
	e S	20:14:45.12	HN				e Sg	21:02:07.28	HE		
MESJ	e P	20:14:32.19	HZ	0.024	0.2	PBAR	e Pg	21:01:41.47	HZ	0.002	0.5
	e S	20:14:48.36	HE				e Sn	21:02:14.21	HE		
PNCL	e P	20:14:34.88	HZ	0.022	0.4		e Sg	21:02:28.44	HN		
	e S	20:14:53.21	HE			PNCL	e Sn	21:02:09.44	HE		
PBEJ	e P	20:14:37.20	EZ	0.011	0.1	MESJ	e Sg	21:02:38.92	HN		
	e S	20:14:56.70	EE			PVAQ	e Sn	21:02:33.95	HE		
EVO	e Pn	20:14:41.08	HZ	0.011	0.2	PBDV	e Sn	21:02:38.34	HN		
	e Sn	20:15:04.77	HE								
	e Sg	20:15:11.02	HN								
PBAR	e Pn	20:14:43.23	HZ	0.006	0.3						
	e Pg	20:14:48.99	HZ								
	e Sg	20:15:12.49	HN								
PACT	e Pg	20:14:49.09	BZ								
	e Sg	20:15:16.44	BN								
PMAFR	e Sn	20:15:15.36	HN								
PESTR	e Pn	20:14:49.27	HZ	0.004	0.5						
	e Sg	20:15:23.64	HE								
PMTG	e Pn	20:14:47.19	HZ	0.011	0.6						
	e Pg	20:14:53.77	HZ								
	e Sn	20:15:16.59	HE								
	e Sg	20:15:24.50	HE								
PSBE	e Pn	20:14:54.02	HZ	0.005	0.3						
	e Pg	20:15:01.56	HZ								
	e Sg	20:15:36.55	HN								
PMRV	e Pn	20:14:54.17	HZ	0.008	0.3						
	e Sn	20:15:29.01	HN								
	e Sg	20:15:39.36	HE								
PCBR	e Sn	20:15:38.57	EN								
	e Sg	20:15:49.48	EN								
PCAS	e Pn	20:15:03.07	HZ	0.004	0.7						
	e Sn	20:15:39.75	HN								
	e Sg	20:15:55.87	HE								
PVIS	e Pn	20:15:12.03	HZ								
	e Sn	20:15:55.43	HE								
POLO	e Sn	20:16:12.58	HE								
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20-Jan	Ho	21:00:54.7									
	Lat	41.181°N	Lon	07.520°W							
	Região:	NE Tabuaço									
	AxMax	3.3	AxMin	2.0	Ang	84					
Est	Fase	P h:m:s	Dur	Co	Amp	Per					
PVRL	i Pg	d 21:00:58.24		SZ	0.237	0.1					
	e Sg	21:01:00.59		SN							
POLO	e Pg	d 21:01:00.20		HZ	0.013	0.1					
	e Sg	21:01:04.04		HN							
MVO	e Pg	21:01:02.00		HZ	0.100	0.2					
	e Sg	21:01:06.90		HN							
PVIS	e Pg	c 21:01:05.14		HZ	0.054	0.1					
	e Sg	21:01:12.40		HN							
PCAB	e Pg	21:01:06.77		HZ	0.037	0.3					
	e Sg	21:01:15.66		HE							
MTE	e P	21:01:09.65		HZ	0.020	0.3					
	e S	21:01:19.91		HE							
PTO	e P	21:01:10.10		SZ	0.024	0.1					
	e S	21:01:20.70		SN							
PBRG	e P	21:01:10.59		HZ	0.018	0.2					
	e S	21:01:22.11		HN							
PGAV	e P	21:01:12.57		HZ	0.017	0.1					
	e S	21:01:25.59		HE							
PCBR	e P	21:01:19.41		EZ	0.007	0.2					
	e S	21:01:36.93		EE							
PCAS	e P	21:01:19.75		HZ	0.007	0.2					
	e S	21:01:37.86		HN							
PMRV	e Pg	21:01:27.51		HZ	0.005	0.2					
	e Sg	21:01:49.58		HE							
PSBE	e Pg	21:01:31.78		HZ							
	e Sg	21:01:56.56		HN							
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21-Jan	Ho	01:06:42.8									
	Lat	18.852°S	Lon	69.456°W							
	Região:	Northern Chile									
Est	Fase	P h:m:s	Dur	Co	Amp	Per					
PMSOL	e P	01:17:53.50		SZ	0.316	1.6					
PMOZ	e P	01:17:52.46		BZ	0.252	1.4					
	e pP	01:18:25.60		BZ							
	e S	01:27:04.76		LN							
	e LR	01:40:51.59		LZ							
FUL	e pP	01:18:27.50		EZ							
	A	01:18:29.04		EZ	0.258	1.6					
PMAR	e P	01:17:53.07		BZ	0.254	1.5					
	e pP	01:18:26.06		BZ							
PMPS	e P	01:17:56.65		SZ	0.623	1.8					
	e pP	01:18:30.95		SZ							
PMPST	e P	01:17:59.78		BZ	0.685	1.7					
	e pP	01:18:30.19		BZ							
PFVI	e P	01:18:37.84		BZ	0.384	1.3					
	e pP	01:19:11.70		BZ							
MORF	e P	01:18:38.44		BZ	0.466	1.7					
	e pP	01:19:13.30		BZ							
PTEO	e P	01:18:38.95		SZ	0.911	1.4					
	e pP	01:19:14.16		SZ							
PSSE	e P	01:18:40.02		BZ	1.322	1.3					
	e pP	01:19:16.26		BZ							
PBDV	e P	01:18:41.01		BZ	0.448	1.4					
	e pP	01:19:16.85		BZ							
PMAFR	e P	01:18:42.40		BZ	0.377	1.5					
	e pP	01:19:16.59		BZ							
PNCL	e P	01:18:40.87		BZ	0.302	1.2					
	e pP	01:19:15.97		BZ							
MESJ	e P	01:18:41.32		BZ	0.206	1.2					
	e pP	01:19:16.32		BZ							
PCVE	e P	01:18:41.49		BZ	0.254	1.9					
	e pP	01:19:16.29		BZ							
PACT	e P	01:18:42.74		BZ	0.524	1.4					
PVAQ	e P	01:18:42.72		BZ	0.026	1.3					
	e S	01:28:40.46		LN							
PBEJ	e P	01:18:42.98		SZ	0.201	1.4					
	e pP	01:19:17.86		SZ							
EVO	e P	01:18:43.59		BZ	0.250	1.4					
	e pP	01:19:15.62		BZ							
PSBE	e P	01:18:44.18		BZ	0.274	1.4					
PMTG	e P	01:18:45.21		BZ	0.387	1.4					
	e pP	01:19:19.39		BZ							
PBAR	e P	01:18:46.06		BZ	0.238	1.4					
	e pP	01:19:22.09		BZ							
PESTR	e P	01:18:45.88		BZ	0.320	1.3					
	e pP	01:19:21.41		BZ							
PCAS	e P	01:18:46.15		BZ	0.221	1.2					
COI	e P	01:18:46.90		BZ	0.446	1.3					
	e pP	01:19:22.35		BZ							
PMRV	e P	01:18:47.65		BZ	0.104	1.5					
	e pP	01:19:23.24		BZ							
	e S	01:28:54.83		LN							
	e LR	01:45:27.85		LZ	1.544	20					
PTO	e P	01:18:49.32		SZ	0.281	1.9					
PCBR	e P	01:18:49.48		SZ	0.176	1.4					
PVIS	e P	01:18:50.86		BZ							
	e pP	01:19:24.91		BZ							

MTE	e P	01:18:50.86	BZ	0.246	1.5																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
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PBEJ	e S	00:18:50.85	EN	0.002	0.8	EVO	e P	05:07:45.11	HZ	0.003	0.3
PCAS	e Pg	00:18:34.77	HZ	0.004	0.5		e S	05:08:15.65	HN		
	e Sg	00:18:53.78	HE			PMTG	e P	05:07:47.74	HZ		
PCVE	e Pg	00:18:35.94	HZ				e S	05:08:21.22	HN		
	e Sg	00:18:55.86	HN			PESTR	e P	05:07:51.86	HZ		
MORF	e Pg	00:18:36.97	HZ				e S	05:08:27.11	HN		
	e Sg	00:18:58.55	HN			PBAR	e P	05:07:52.46	HZ	0.002	0.6
PMRV	e Pn	00:18:35.78	HZ	0.003	0.2		e S	05:08:27.92	HE		
	e Pg	00:18:37.44	HZ			PMRV	e P	05:07:57.52	HZ	0.002	0.3
	e Sn	00:18:56.08	HE				e S	05:08:38.32	HE		
	e Sg	00:18:58.54	HE			MTE	e P	05:08:06.40	HZ		
PCBR	e Pg	00:18:41.16	EZ				e S	05:08:53.56	HE		
	e Sg	00:19:01.91	EE			PVIS	e S	05:08:55.85	HE	0.001	0.3
PVAQ	e Pg	00:18:42.97	HN			MVO	e S	05:09:14.14	HE		
	e Sg	00:19:06.37	HN			PGAV	e S	05:09:20.06	HE		
PBAR	e Pn	00:18:40.80	HZ	0.002	0.2	PBRG	e S	05:09:29.10	HE		
	e Pg	00:18:42.44	HZ								
	e Sn	00:19:03.58	HE								
	e Sg	00:19:07.51	HE								
PBDV	e Pg	00:18:42.87	HZ	0.003	0.8						
	e Sg	00:19:07.47	HN								
PVIS	e Pg	00:18:48.76	HZ	0.002	0.3						
	e Sg	00:19:17.42	HN								
<hr/>											
22-Jan	Ho	00:53:26.9	Distante (NEIC)	MB	5.0						
	Lat	10.549°S	Lon	74.946°W	Prof	113					
	Região: Central Peru										
Est	Fase	P h:m:s	Dur	Co	Amp	Per					
MORF	e P	01:05:15.97		BZ	0.046	1.5					
	e pP	01:05:44.55		BZ							
PSES	e P	01:05:14.54		BZ							
PNCL	e P	01:05:15.91		BZ							
	e pP	01:05:45.63		BZ							
PCVE	e P	01:05:17.98		BZ	0.022	1.7					
	e pP	01:05:44.80		BZ							
PBEJ	e P	01:05:19.50		SZ							
EVO	e P	01:05:19.65		BZ							
PMTG	e P	01:05:19.94		BZ	0.032	1.3					
PCAS	e P	01:05:20.92		BZ							
COI	e P	01:05:22.36		BZ	0.048	1.4					
PESTR	e P	01:05:22.53		BZ	0.030	1.7					
	e pP	01:05:51.18		BZ							
PTO	e P	01:05:22.77		SZ							
PCBR	e P	01:05:24.64		SZ							
PVIS	e P	01:05:22.11		BZ							
	e pP	01:05:53.10		BZ							
POLO	e P	01:05:24.78		BZ							
MVO	e P	01:05:28.68		BZ	0.027	1.8					
	e pP	01:05:57.58		BZ							
<hr/>											
22-Jan	Ho	05:07:04.3		ML	1.8						
	Lat	36.885°N	Lon	10.857°W	Prof	31					
	Região: Gorringe										
	AxMax	12.7	AxMin	3.7	Ang	67	ErrZ	14			
Est	Fase	P h:m:s	Dur	Co	Amp	Per					
MORF	e P	05:07:31.92		HZ							
	e S	05:07:52.55		HN							
PTEO	e P	05:07:32.03		EZ							
	e S	05:07:52.80		EE							
PSES	e P	05:07:35.17		HZ							
	e S	05:07:58.83		HN							
PNCL	e P	05:07:37.41		HZ	0.003	0.5					
	e S	05:08:02.02		HN							
MESJ	e P	05:07:38.97		HZ	0.003	0.5					
	e S	05:08:05.33		HN							
PBDV	e P	05:07:39.38		HZ	0.004	0.8					
	e S	05:08:05.99		HE							
PCVE	e P	05:07:39.47		HZ	0.002	0.2					
	e S	05:08:05.86		HE							
PMAFR	e P	05:07:39.69		HZ	0.015	0.2					
	e S	05:08:06.64		HN							
PACT	e P	05:07:41.07		BZ							
	e S	05:08:10.04		BN							
PVAQ	e P	05:07:42.47		HE							
	e S	05:08:10.25		HE							
PBEJ	e P	05:07:43.64		EZ	0.002	0.2					
	e S	05:08:12.31		EN							
<hr/>											
22-Jan	Ho	08:03:26.9		ML	2.6						
	Lat	37.109°N	Lon	05.044°W	Prof	12					
	Região: NW Malaga (ESP)										
	AxMax	2.2	AxMin	1.9	Ang	39	ErrZ	3			
Est	Fase	P h:m:s	Dur	Co	Amp	Per					
PBAR	e Pn	08:03:56.86		HZ	0.019	0.3					
	e Sn	08:04:21.67		HE							
	e Sg	08:04:25.77		HE							
PVAQ	e Pn	08:04:00.26		HZ							
	e Pg	08:04:04.89		HN							
	e Sn	08:04:27.09		HE							
	e Sg	08:04:33.71		HE							
PBDV	e Pn	08:04:02.51		HZ	0.015	0.3					
	e Pg	08:04:07.93		HZ							
	e Sn	08:04:31.23		HN							
	e Sg	08:04:39.59		HN							
PBEJ	e Pg	08:04:11.52		EZ	0.012	0.3					
	e Sn	08:04:32.79		EE							
	e Sg	08:04:42.84		EN							
PCVE	e Pn	08:04:04.59		HZ	0.019	0.4					
	e Pg	08:04:11.22		HZ							
	e Sn	08:04:35.52		HE							
	e Sg	08:04:41.93		HN							
MESJ	e Pn	08:04:06.83		HZ	0.016	0.4					
	e Pg	08:04:15.14		HZ							
	e Sn	08:04:39.26		HN							
	e Sg	08:04:48.58		HN							
PESTR	e Pn	08:04:08.38		HZ	0.020	0.4					
	e Pg	08:04:14.10		HZ							
	e Sn	08:04:39.53		HN							
	e Sg	08:04:49.87		HN							
EVO	e Pn	08:04:09.34		HZ	0.018	0.3					
	e Pg	08:04:17.02		HZ							
	e Sn	08:04:40.91		HN							
	e Sg	08:04:51.68		HN							
MORF	e Pn	08:04:10.96		HZ	0.013	0.3					
	e Pg	08:04:18.17		HZ							
	e Sn	08:04:45.39		HN							
	e Sg	08:04:57.04		HN							
PNCL	e Pn	08:04:11.24		HZ	0.014	0.4					
	e Pg	08:04:19.71		HZ							
	e Sn	08:04:46.44		HE							
	e Sg	08:04:55.33		HN							
PMRV	e Pn	08:04:11.97		HZ	0.017	0.5					
	e Sn	08:04:47.21		HN							
	e Sg	08:04:57.49		HE							
PTEO	e Pn	08:04:11.61		EZ	0.021	0.6					
	e Sn	08:04:47.29		EE							
	e Sg	08:04:58.55		EE							
PFVI	e P	08:04:12.37		HZ	0.015	0.5					
	e S	08:04:47.28		HN							
	e Sg	08:05:01.17		HE							
PMTG	e Pn	08:04:15.36		HZ	0.011	0.3					
	e Sn	08:04:52.72		HN							
	e Sg	08:05:06.79		HN							
PCBR	e Pn	08:04:18.34		EZ	0.010	0.5					
	e Sn	08:04:55.06		EE							
	e Sg	08:05:12.25		EE							
PACT	e Pn	08:04:18.55		BZ							
	e Sn	08:05:00.18		BN							
	e Sg	08:05:15.35		BE							

PSES	e Sn	08:05:02.01	HN	0.025	0.4	PESTR	e P	13:51:27.02	HZ	0.004	0.4
	e Sg	08:05:16.47	HN				e S	13:52:02.11	HN		
MTE	e Sn	08:05:08.77	HE	0.016	0.6	PCAS	e P	13:51:33.32	HZ	0.005	0.3
	e Sg	08:05:24.60	HE				e S	13:52:13.63	HN		
PMAFR	e Sn	08:05:01.46	HE	0.022	0.7	PMRV	e P	13:51:33.16	HZ	0.006	0.1
	e Sg	08:05:19.32	HE				e S	13:52:12.86	HN		
PCAS	e Sn	08:05:12.00	HN	0.019	0.6	PCBR	e P	13:51:37.22	EZ	0.003	0.3
	e Sg	08:05:31.96	HE				e S	13:52:19.39	EN		
PVIS	e Pn	08:04:30.42	HZ	0.006	0.7	MTE	e S	13:52:29.33	HN	0.005	0.6
	e Sn	08:05:18.00	HN			PVIS	e S	13:52:32.83	HN	0.007	0.1
	e Sg	08:05:39.90	HN			POLO	e S	13:52:46.88	HN	0.002	0.4
MVO	e Pn	08:04:31.40	HZ	0.012	0.5	MVO	e P	13:51:54.26	HZ	0.004	0.3
	e Sn	08:05:19.70	HE				e S	13:52:49.41	HE		
	e Sg	08:05:41.71	HE			PGAV	e P	13:51:57.92	HZ	0.002	0.2
PVRL	e Sn	08:05:27.89	SN	0.007	0.1		e S	13:52:56.69	HN		
POLO	e Pn	08:04:37.57	HZ	0.003	0.6	PBRG	e S	13:53:05.14	HN	0.002	0.3
	e Sn	08:05:30.01	HE			PMPST	e P	13:52:02.72	HZ		
	e Sg	08:05:54.97	HN				e S	13:52:59.51	HN		
PBRG	e Sn	08:05:33.05	HN	0.005	0.5						
	e Sg	08:05:59.00	HN								
PCAB	e Sg	08:06:08.23	HE	0.008	0.5						
PGAV	e Sg	08:06:19.97	HE	0.007	0.5						
<hr/>											
22-Jan	Ho	11:26:00.9			ML 1.2						
	Lat	36.650°N	Lon	07.330°W	Prof 32						
	Região: Golfo de Cádiz				Rms 0.3						
	AxMax	12.2	AxMin	6.3	Ang 176	ErrZ 20					
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp</i>	<i>Per</i>					
PBDV	e P	11:26:14.61		HZ	0.003	0.2					
	e S	11:26:24.14		HE							
PVAQ	e P	11:26:15.21		HE							
	e S	11:26:25.50		HN							
PCVE	e P	11:26:18.94		HZ	0.003	0.2					
	e S	11:26:33.08		HN							
MORF	e S	11:26:35.60		HE	0.002	0.4					
MESJ	e S	11:26:38.82		HE	0.001	0.2					
PBAR	e P	11:26:25.35		HZ	0.001	0.2					
	e S	11:26:43.14		HN							
PNCL	e P	11:26:25.95		HZ	0.001	0.3					
	e S	11:26:47.89		HN							
PMTG	e S	11:27:06.02		HN							
<hr/>											
22-Jan	Ho	13:50:40.0			ML 2.5						
	Lat	36.782°N	Lon	10.706°W	Prof 32						
	Região: Gorringe				Rms 0.3						
	AxMax	6.9	AxMin	3.2	Ang 61	ErrZ 9					
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp</i>	<i>Per</i>					
PFVI	i P	c 13:51:03.94		HZ	0.027	0.2					
	e S	13:51:21.66		HN							
MORF	i P	c 13:51:06.43		HZ	0.028	0.1					
	e S	13:51:25.86		HN							
PTEO	e P	13:51:06.93		EZ	0.024	0.3					
	e S	13:51:26.77		EN							
PSES	e P	13:51:11.27		HZ	0.081	0.4					
	e S	13:51:34.45		HN							
PNCL	e P	13:51:12.61		HZ	0.024	0.2					
	e S	13:51:36.89		HN							
MESJ	e P	13:51:13.50		HZ	0.013	0.3					
	e S	13:51:38.61		HN							
PBDV	e P	13:51:14.32		HZ	0.009	0.2					
	e S	13:51:39.48		HN							
PCVE	i P	c 13:51:14.32		HZ	0.012	0.2					
	e S	13:51:39.65		HN							
PMAFR	e P	13:51:15.87		HZ	0.035	0.2					
	e S	13:51:43.32		HE							
PACT	e P	13:51:16.81		BZ							
	e S	13:51:45.03		BN							
PVAQ	e P	13:51:16.96		HN							
	e S	13:51:44.37		HN							
PBEJ	e P	13:51:18.04		EZ	0.010	0.3					
	e S	13:51:46.48		EE							
EVO	e P	13:51:20.63		HZ	0.028	0.1					
	e S	13:51:50.91		HN							
PMTG	e P	13:51:23.66		HZ	0.006	0.1					
	e S	13:51:56.91		HE							
PBAR	e P	13:51:26.98		HZ	0.006	0.3					
	e S	13:52:02.27		HE							
<hr/>											
22-Jan	Ho	19:40:01.0			Distante (IPMA)						
	Lat	05.220°N	Lon	32.730°W	Prof 10						
	Região: Central Mid-Atlantic Ridge										
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp</i>	<i>Per</i>					
PMSOL	e T	20:18:00.26		SZ							
FUL	e T	20:18:05.13		EZ							
PMOZ	e LR	19:54:21.65		LZ	0.282	18					
	e T	20:18:04.61		HZ							
PMAR	e T	20:18:01.79		HZ							
PMRV	e LR	19:58:35.10		LZ	0.312	22					
MTE	e LR	19:59:33.80		LZ	0.374	20					
MVO	e LR	19:59:48.15		LZ	0.334	20					
PGAV	e LR	19:59:56.77		LZ	0.277	20					
<hr/>											
23-Jan	Ho	01:56:48.1			ML 1.3						
	Lat	38.778°N	Lon	07.956°W	Prof 3						
	Região: NE Arraiolos				Rms 0.3						
	AxMax	2.9	AxMin	1.9	Ang 97	ErrZ 4					
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp</i>	<i>Per</i>					
EVO	e Pg	c 01:56:52.90		HZ	0.050	0.2					
	e Sg	01:56:56.43		HE							
PESTR	e Pg	c 01:56:53.79		HZ	0.008	0.2					
	e Sg	01:56:58.07		HN							
PMTG	e Pg	d 01:56:54.33		HZ	0.007	0.1					
	e Sg	01:56:59.39		HN							
PACT	e Pg	01:57:01.16		BZ	0.011	0.2					
	e Sg	01:57:10.82		BN							
PBEJ	e Sg	01:57:11.36		EN	0.008	0.2					
PMRV	e Pg	01:57:02.56		HZ	0.005	0.9					
	e Sg	01:57:12.88		HE							
PNCL	e Pg	01:57:02.61		HZ	0.002	0.4					
	e Sg	01:57:13.51		HE							
PBAR	e P	01:57:05.08		HZ	0.003	0.4					
	e S	01:57:18.43		HE							
MESJ	e P	01:57:05.69		HZ	0.002	0.3					
	e S	01:57:18.23		HE							
PMAFR	e S	01:57:21.75		HN							
PCBR	e P	01:57:08.63		EZ	0.003	0.3					
	e S	01:57:22.63		EE							
PCVE	e P	01:57:09.29		HZ							
	e S	01:57:23.36		HE							
PCAS	e S	01:57:30.28		HE	0.003	0.4					
PTEO	e P	01:57:13.06		EZ							
	e S	01:57:30.40		EE							
PVAQ	S	01:57:31.22		HN							
PBDV	S	01:57:34.88		HN	0.003	0.3					
MTE	e Sn	01:57:38.63		HN	0.002	0.7					
PVIS	e Sn	01:57:47.66		HE	0.001	0.3					
<hr/>											
23-Jan	Ho	03:45:16.0			Distante (NEIC)						
	Lat	33.620°N	Lon	46.890°E	Prof 10						
	Região: Iran-Iraq Border Region										
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp</i>	<i>Per</i>					
PBRG	e P	03:53:12.00		BZ	0.034	1.7					
MVO	e P	03:53:14.65		BZ	0.021	1.2					
MTE	e P	03:53:18.93		BZ	0.027	1.4					
PBAR	e P	03:53:18.44		BZ	0.022	1.6					
PVRL	e P	03:53:17.08		SZ	0.033	1.6					
PCBR	e P	03:53:18.74		SZ	0.028	1.5					

POLO	e P	03:53:19.13	BZ	0.017	1.4
PVIS	e P	03:53:20.92	BZ		
PGAV	e P	03:53:22.10	BZ	0.048	1.6
EVO	e P	03:53:24.28	BZ	0.019	1.6
PNCL	e P	03:53:28.25	BZ	0.018	1.5
PFVI	e pP	03:53:34.64	BZ		
	A	03:53:34.78	BZ	0.054	1.3
PMOZ	e P	03:54:31.39	BZ		

23-Jan Ho 05:31:34.0 Distante (IPMA)					
Lat 08.229°N Lon 74.999°W Prof 55					
Região: Northern Colombia					
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp Per</i>
PMOZ	i -	05:42:41.01	BZ		
PMAR	i -	05:42:40.64	BZ		
PNCL	i pP	05:42:33.69	BZ		
MESJ	i pP	05:42:32.75	BZ		
PMTG	i pP	05:42:32.99	BZ		
PGAV	e pP	05:42:36.72	BZ		
PESTR	i pP	05:42:36.37	BZ		
PVIS	i pP	05:42:36.59	BZ		
POLO	i pP	05:42:37.34	BZ		
PCBR	i pP	05:42:38.41	SZ		
PMRV	e pP	05:42:34.00	BZ		
PVRL	i pP	05:42:38.63	SZ		
PBAR	i pP	05:42:38.44	BZ		
MVO	i pP	05:42:40.46	BZ		
PBRG	e pP	05:42:40.90	BZ		

23-Jan Ho 05:59:57.0 Distante (NEIC) MB 5.4					
Lat 05.880°S Lon 154.710°E Prof 152					
Região: Solomon Islands					
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp Per</i>
MVO	e PKPdf	06:19:07.49	BZ		
PVIS	e PKPdf	06:19:06.33	BZ		
MTE	e PKPdf	06:19:08.67	BZ		
PCBR	e PKP	06:19:08.78	SZ		
PMRV	e PKP	06:19:09.25	BZ		
PESTR	e PKP	06:19:10.43	BZ		
PMTG	e PKP	06:19:10.54	BZ		
PBAR	e PKP	06:19:11.72	BZ		
EVO	e PKP	06:19:12.68	BZ		
PMAFR	e PKP	06:19:13.32	BZ		
PBEJ	e PKP	06:19:14.12	SZ		
PNCL	e PKP	06:19:14.64	BZ		
MESJ	e PKP	06:19:15.14	BZ		
PCVE	e PKP	06:19:15.18	BZ		
PVAQ	e PKP	06:19:15.85	BZ		
PBDV	e PKP	06:19:14.64	BZ		
PTEO	e PKP	06:19:16.45	SZ		
MORF	e PKP	06:19:14.74	BZ		
PFVI	e PKP	06:19:18.00	BZ		

23-Jan Ho 06:34:54.0 Distante (NEIC) MW 6.0					
Lat 07.200°S Lon 105.920°E Prof 43					
Região: Java, Indonesia					
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp Per</i>
MVO	e PKPdf	06:53:25.41	BZ		
PBAR	e PKPdf	06:53:25.91	BZ		
MTE	e PKPdf	06:53:26.08	BZ		
POLO	e PKPdf	06:53:25.40	BZ		
PCBR	e PKPdf	06:53:26.12	SZ		
PMRV	e PKPdf	06:53:25.59	BZ		
PVIS	e PKPdf	06:53:25.94	BZ		
PGAV	e PKPdf	06:53:26.24	BZ		
PESTR	e PKPdf	06:53:26.49	BZ		
PMTG	e PKPdf	06:53:27.51	BZ		
PCAS	e PKPdf	06:53:26.70	BZ		
PBDV	e PKPdf	06:53:27.70	BZ		
PCVE	e PKPdf	06:53:27.30	BZ		
MESJ	e PKPdf	06:53:27.09	BZ		
PNCL	e PKPdf	06:53:27.99	BZ		

23-Jan Ho 07:28:16.3 ML 2.4					
Lat 36.539°N Lon 04.525°W Prof 95					
Região: SW Malaga (ESP) Rms 0.4					
AxMax 11.2 AxMin 6.6 Ang 73 ErrZ 24					
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp Per</i>
PBAR	e S	07:29:25.37	HE	0.010	0.1
PVAQ	e S	07:29:27.71	HE		
PBDV	e S	07:29:31.23	HE	0.005	0.1
PCVE	e S	07:29:35.20	HN	0.006	0.3
PBEJ	e S	07:29:36.49	EN	0.007	0.4
MESJ	e S	07:29:39.59	HN	0.004	0.3
PESTR	e S	07:29:43.44	HN	0.006	0.4
MORF	e S	07:29:44.41	HE	0.007	0.2
EVO	e S	07:29:45.00	HN	0.013	0.3
PFVI	e S	07:29:46.27	HE	0.007	0.3
PTEO	e S	07:29:48.01	EE	0.004	0.2
PNCL	e S	07:29:47.73	HE	0.004	0.3
PMRV	e S	07:29:50.74	HE		
PMTG	e S	07:29:55.27	HN		

23-Jan Ho 07:27:30.0 ML 2.6					
Lat 36.518°N Lon 04.435°W Prof 90					
Região: S Malaga (ESP) Rms 0.4					
AxMax 3.0 AxMin 2.6 Ang 136 ErrZ 4					
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp Per</i>
PBAR	e P	07:28:10.18	HZ	0.023	0.1
	e S	07:28:39.08	HE		
PVAQ	e P	07:28:12.12	HZ		
	e S	07:28:41.50	HN		
PBDV	e P	c 07:28:13.74	HZ	0.007	0.5
	e S	07:28:46.12	HE		
PCVE	e P	07:28:15.95	HZ	0.014	0.2
	e S	07:28:49.44	HN		
PBEJ	e S	07:28:50.26	EN	0.015	0.2
MESJ	e P	d 07:28:18.89	HZ	0.012	0.5
	e S	07:28:53.98	HN		
PESTR	e P	07:28:20.87	HZ	0.010	0.3
	e S	07:28:57.43	HN		
MORF	e P	c 07:28:21.23	HZ	0.010	0.2
	e S	07:28:58.38	HN		
EVO	e S	07:28:59.02	HE		
PFVI	e P	07:28:22.34	HZ	0.008	0.6
	e S	07:29:00.61	HN		
PTEO	i P	d 07:28:23.26	EZ	0.007	0.4
	e S	07:29:01.21	EN		
PNCL	e P	d 07:28:23.38	HZ	0.008	0.4
	e S	07:29:01.66	HN		
PMRV	e P	c 07:28:24.83	HZ	0.005	0.1
	e S	07:29:04.00	HE		
PMTG	e P	07:28:27.39	HZ	0.007	0.5
	e S	07:29:09.51	HE		
PCBR	e P	07:28:29.83	EZ	0.005	0.1
	e S	07:29:12.86	EE		
PACT	e S	07:29:16.41	BE		
PSES	e S	07:29:15.93	HE		
PMAFR	e S	07:29:25.12	HN	0.012	0.2
MTE	e P	07:28:36.87	HZ		
	e S	07:29:24.96	HE		
PCAS	e P	07:28:40.32	HZ	0.005	0.5
	e S	07:29:29.40	HN		
PVIS	e P	07:28:43.21	HZ	0.006	0.1
	e S	07:29:35.16	HE		
MVO	e P	07:28:43.03	HZ	0.005	0.6
	e S	07:29:36.23	HN		
PVRL	e S	07:29:45.59	SN	0.011	0.1
POLO	e P	07:28:49.82	HZ	0.001	0.1
	e S	07:29:46.63	HE		
PBRG	e P	07:28:50.77	HZ	0.003	0.2
	e S	07:29:49.64	HN		
PCAB	e P	07:28:54.95	HZ	0.006	0.4
	e S	07:29:55.47	HN		
PGAV	e P	07:28:59.44	HZ	0.003	0.4
	e S	07:30:03.18	HE		

23-Jan	Ho	09:31:42.0	Distante (NEIC)		MW 7.9	
		Lat 56.046°N	Lon 149.073°W		Prof 25	
Região: Gulf of Alaska						
Est	Fase	P h:m:s	Dur	Co	Amp	Per
PGAV	e P	09:43:31.82		BZ	2.364	1.6
	e PP	09:46:38.62		LZ		
	e S	09:53:24.80		LN		
	e LR	10:07:27.11		LZ	401.0	20
PBRG	e P	d 09:43:33.76		BZ	1.735	1.6
POLO	e P	d 09:43:37.16		BZ	0.896	1.7
PVRL	e P	09:43:38.20		SZ	2.186	1.6
MVO	e P	d 09:43:40.03		BZ	2.285	1.6
	e PP	09:46:44.70		LZ		
	e S	09:53:38.27		LN		
	e LR	10:08:02.37		LZ	331.0	22
COI	e P	09:43:42.28		BZ	3.187	1.6
MTE	e P	d 09:43:43.87		BZ	2.354	1.8
	e PP	09:46:57.35		LZ		
	e S	09:53:41.52		LN		
	e LR	10:08:13.78		LZ	294.0	20
PCAS	e P	d 09:43:42.02		BZ	2.600	1.4
PCBR	e P	d 09:43:44.56		SZ	1.651	1.7
PMAFR	e P	d 09:43:47.51		BZ	3.669	1.4
PMRV	e P	d 09:43:48.14		BZ	1.394	1.6
	e PP	09:47:02.96		LZ		
	e S	09:53:54.05		LN		
	e LR	10:08:35.69		LZ	323.0	18
PMTG	e P	d 09:43:48.03		BZ	1.595	1.7
PACT	e P	09:43:50.66		BZ	5.054	1.6
PSER	e P	09:43:51.29		BZ	4.669	2.0
PESTR	e P	d 09:43:50.08		BZ	1.619	1.8
EVO	e P	d 09:43:51.92		BZ	1.899	1.8
PNCL	e P	d 09:43:52.29		BZ	2.392	1.7
PBEJ	e P	09:43:55.08		SZ	1.333	1.7
MESJ	e P	09:43:54.42		BZ	1.566	1.8
PBAR	e P	d 09:43:54.58		BZ	2.263	1.9
PTEO	e P	09:43:56.55		SZ	2.067	1.9
PCVE	e P	d 09:43:56.34		BZ	1.155	1.7
MORF	e P	09:43:55.71		BZ	2.161	1.8
PFVI	e P	09:43:57.39		BZ	1.739	2.0
PVAQ	e P	09:43:58.02		BZ	0.276	1.9
	e S	09:54:10.98		LN		
	e LR	10:09:41.27		LZ	57.54	20
PBDV	e P	09:43:58.63		BZ	2.579	1.8
PMOZ	e P	09:44:04.11		BZ	3.986	1.6
	e PP	09:47:22.03		LZ		
	e S	09:54:24.41		LN		
	e LR	10:10:24.53		LZ	204.0	18
PMPST	e P	09:44:03.82		BZ	6.149	1.5
PMPS	e P	09:44:04.99		SZ	6.864	1.6
PMSOL	e P	09:44:04.93		SZ	5.471	1.6
PMAR	e P	09:44:05.55		BZ	5.932	1.6
FUL	e P	09:44:06.75		EZ	4.221	1.7

23-Jan	Ho	11:37:47.0	Distante (NEIC)		MB 5.0	
		Lat 56.086°N	Lon 149.630°W		Prof 7	
Região: Gulf of Alaska						
Est	Fase	P h:m:s	Dur	Co	Amp	Per
PGAV	e P	11:49:37.58		BZ	0.042	1.6
PBRG	e P	11:49:40.33		BZ	0.033	1.7
POLO	e P	11:49:41.41		BZ	0.016	1.7
MVO	e P	11:49:44.36		BZ	0.025	1.9
MTE	e P	11:49:47.44		BZ	0.031	1.5
PCAS	e P	11:49:45.44		BZ	0.034	1.7
PCBR	e P	11:49:49.02		SZ	0.022	1.6
PMTG	e P	11:49:54.02		BZ		
PACT	e P	11:49:52.04		BZ		
PNCL	e -	11:49:58.37		BZ		
	e P	11:49:58.37		BZ	0.032	1.5
PBEJ	e P	11:49:58.20		SZ	0.019	1.5
PBAR	e P	11:49:59.36		BZ	0.031	1.6
PTEO	i -	11:49:56.30		SZ		
PCVE	A	11:50:24.70		BZ	0.033	1.6
MORF	e P	11:50:01.90		BZ		

23-Jan	Ho	11:37:47.0	Distante (NEIC)		MB 5.0	
	Lat	56.086°N	Lon 149.630°W		Prof 7	
Região: Gulf of Alaska						
Est	Fase	P	h:m:s	Dur	Co	Amp Per
PGAV	e P		11:49:37.58		BZ	0.042 1.6
PBRG	e P		11:49:40.33		BZ	0.033 1.7
POLO	e P		11:49:41.41		BZ	0.016 1.7
MVO	e P		11:49:44.36		BZ	0.025 1.9
MTE	e P		11:49:47.44		BZ	0.031 1.5
PCAS	e P		11:49:45.44		BZ	0.034 1.7
PCBR	e P		11:49:49.02		SZ	0.022 1.6
PMTG	e P		11:49:54.02		BZ	
PACT	e P		11:49:52.04		BZ	
PNCL	e -		11:49:58.37		BZ	
	e P		11:49:58.37		BZ	0.032 1.5
PBEJ	e P		11:49:58.20		SZ	0.019 1.5
PBAR	e P		11:49:59.36		BZ	0.031 1.6
PTEO	i -		11:49:56.30		SZ	
PCVE	A		11:50:24.70		BZ	0.033 1.6
MORF	e P		11:50:01.90		BZ	

23-Jan	Ho	11:47:03.0	Distante (NEIC)		MB 5.6	
	Lat	56.570°N	Lon 149.140°W		Prof 5	
Região: Gulf of Alaska						
Est	Fase	P	h:m:s	Dur	Co	Amp Per
PGAV	e P		11:58:48.09		BZ	0.054 1.6
PBRG	e P		11:58:51.13		BZ	0.049 1.6
POLO	e P		11:58:51.76		BZ	0.024 1.1
PTO	e P		11:58:52.22		SZ	
PVRL	e P		11:58:52.63		SZ	0.066 1.3
MVO	e P		11:58:54.05		BZ	0.051 1.0
MTE	e P		11:58:57.21		BZ	0.077 1.2
PCAS	e P		11:58:57.50		BZ	0.072 1.4
PSBE	e P		11:59:00.68		BZ	0.086 1.3
PCBR	e P		11:58:59.59		SZ	0.039 1.5
PMAFR	e P		11:59:02.06		BZ	0.183 1.0
PMRV	e P		11:59:01.87		BZ	0.029 1.6
PMTG	e P		11:59:02.35		BZ	0.038 1.3
PESTR	e P		11:59:04.63		BZ	0.043 1.6
EVO	e P		11:59:05.79		BZ	0.051 1.5
PNCL	e P		11:59:07.22		BZ	0.056 1.4
PBEJ	e P		11:59:08.63		SZ	0.025 1.7
MESJ	e P		11:59:08.60		BZ	
PBAR	e P		11:59:09.18		BZ	0.047 1.3
PCVE	e P		11:59:10.29		BZ	
MORF	e P		11:59:10.77		BZ	
PFVI	e P		11:59:12.05		BZ	0.132 1.7
PVAQ	e P		11:59:12.30		BZ	0.011 1.5
PBDV	e P		11:59:13.01		BZ	
PMPS	e P		11:59:19.17		SZ	

23-Jan	Ho	23:09:09.0	Distante (NEIC)		MB 5.6	
		Lat 05.770°S	Lon 12.543°W		Prof 10	
Região: Ascension Island Region						
Est	Fase	P	h:m:s	Dur	Co	Amp Per
PMOZ	e LR		23:27:41.21		LZ	0.737 20
MORF	e P		23:17:10.78		BZ	0.107 1.7
PBDV	e P		23:17:10.63		BZ	0.059 1.7
PVAQ	e LR		23:30:30.57		LN	
PTEO	e P		23:17:12.46		SZ	0.106 1.4
PCVE	e P		23:17:11.92		BZ	0.047 1.6
PBEJ	e P		23:17:17.42		SZ	0.021 1.7
PNCL	e P		23:17:17.94		BZ	0.044 2.1
PBAR	e P		23:17:20.17		BZ	0.041 2.0
EVO	e P		23:17:21.55		BZ	0.051 1.4
PMAFR	e P		23:17:24.65		BZ	0.102 1.5
PESTR	e P		23:17:24.53		BZ	0.025 1.6
PMTG	e P		23:17:24.86		BZ	0.040 1.9
PMRV	e P		23:17:28.69		BZ	0.061 1.5
	e LR		23:33:34.40		LZ	1.430 22
PCBR	e P		23:17:31.37		SZ	0.032 1.5
PCAS	e P		23:17:33.40		BZ	0.043 1.5
MTE	e P		23:17:36.58		BZ	0.073 1.3
	e LR		23:33:44.61		LZ	1.355 22
MVO	e P		23:17:43.20		BZ	0.092 1.6
	e LR		23:34:10.82		LZ	1.070 22
PVRL	e P		23:17:42.29		SZ	0.056 1.6
POLO	e P		23:17:42.43		BZ	0.025 1.4
PBRG	e P		23:17:47.37		BZ	0.056 1.9
PGAV	e P		23:17:48.45		BZ	0.086 1.7
	e LR		23:32:34.57		LZ	2.112 20

23-Jan	Ho	23:14:01.0	Distante (NEIC)		MB 4.6	
	Lat	35.107°N	Lon 23.200°E		Prof 10	
Região: Crete, Greece						
Est	Fase	P h:m:s	Dur	Co	Amp	Per
MVO	e P	23:19:28.64		BZ	0.039	1.7
MTE	e P	23:19:20.91		BZ	0.033	1.9
PVRL	e P	23:19:28.10		SZ	0.040	1.7
POLO	e P	23:19:34.34		BZ	0.013	1.9
PCAS	e P	23:19:24.01		BZ	0.051	1.9
PFVI	e P	23:19:40.92		BZ	0.117	1.5

23-Jan	Ho	23:21:28.0	Distante (NEIC)		ML 5.3	
	Lat	56.611°N	Lon 148.164°W		Prof 10	
Região: Gulf of Alaska						
Est	Fase	P h:m:s	Dur	Co	Amp	Per
PGAV	e P	23:33:13.02		BZ	0.039	1.5
POLO	e P	23:33:15.33		BZ	0.014	1.8

PVRL	e	P	23:33:16.06	SZ	0.046	1.8	MTE	e	P	00:16:48.56	BZ	0.027	0.8			
MVO	e	P	23:33:17.74	BZ	0.027	1.6		e	pP	00:16:55.96	BZ					
PVIS	e	P	23:33:18.37	BZ				e	LR	00:45:36.14	LZ	0.501	18			
MTE	e	P	23:33:20.85	BZ	0.041	1.7	PCAS	e	P	00:16:50.95	BZ	0.072	1.8			
PCAS	e	P	23:33:21.14	BZ	0.030	1.7		e	pP	00:16:56.66	BZ					
PSBE	e	P	23:33:24.77	BZ	0.046	1.9	PSBE	e	pP	00:16:57.62	BZ					
PCBR	e	P	23:33:23.15	SZ	0.026	1.7	PCBR	e	P	00:16:51.00	SZ	0.042	1.8			
PMAFR	e	P	23:33:26.58	BZ	0.112	1.6		e	pP	00:16:59.02	SZ					
PMRV	e	P	23:33:25.92	BZ	0.014	1.7	PMAFR	e	P	00:16:52.69	BZ	0.104	1.5			
PMTG	e	P	23:33:25.72	BZ	0.030	1.7		e	pP	00:17:01.01	BZ					
EVO	e	P	23:33:30.46	BZ	0.019	1.9	PMRV	e	P	00:16:53.19	BZ	0.039	1.9			
PNCL	e	P	23:33:30.41	BZ	0.042	1.8		e	pP	00:17:00.99	BZ					
PBAR	e	P	23:33:32.61	BZ	0.031	1.6		e	LR	00:46:13.39	LZ	0.560	20			
PBDV	e	P	23:33:36.69	BZ	0.033	1.3	PMTG	e	P	00:16:53.56	BZ	0.034	1.8			
								e	pP	00:17:01.53	BZ					
23-Jan	Ho	23:37:33.8				ML 1.8	PESTR	e	-	00:17:03.35	BZ					
	Lat	36.227°N	Lon	08.199°W		Prof 32		e	pP	00:17:03.35	BZ					
	Região:	SW Faro				Rms 0.4	EVO	e	P	00:16:57.78	BZ	0.046	1.7			
	AxMax	4.2	AxMin	3.7	Ang	81		e	pP	00:17:04.84	BZ					
Est	Fase	P	h:m:s	Dur	Co	Amp	Per	PNCL	e	P	00:16:58.56	BZ	0.079	1.7		
PBDV	e	P	23:37:50.76		HZ	0.003	0.4		e	pP	00:17:06.45	BZ				
	e	S	23:38:03.34		HN			PBEJ	e	P	00:16:59.41	SZ	0.035	1.9		
PFVI	e	P	d 23:37:50.18		HZ	0.007	0.8		e	pP	00:17:07.81	SZ				
	e	S	23:38:05.74		HE			PBAR	e	P	00:17:00.21	BZ	0.058	1.7		
MORF	e	P	23:37:52.01		HZ	0.014	0.1		e	pP	00:17:06.96	BZ				
	e	S	23:38:06.15		HE			MORF	e	P	00:17:02.14	BZ				
PVAQ	e	P	23:37:53.40		HN				e	pP	00:17:10.26	BZ				
	e	S	23:38:07.81		HN			PVAQ	e	P	00:17:03.90	BZ	0.006	1.6		
PTEO	e	P	23:37:55.53		EZ	0.004	0.5		e	pP	00:17:11.18	BZ				
	e	S	23:38:12.10		EN				e	LR	00:46:13.38	LN				
PCVE	e	P	23:37:55.93		HZ	0.005	0.1	PBDV	e	pP	00:17:12.04	BZ				
	e	S	23:38:12.50		HN											
MESJ	e	P	23:37:58.71		HZ	0.003	0.4	24-Jan								
	e	S	23:38:17.10		HE			Est	Fase	P	h:m:s	Dur	Co	Amp	Per	
PBEJ	e	S	23:38:22.17		EN	0.003	0.2	MVO	i	P	c 03:00:15.55		HZ	0.006	0.2	
PNCL	e	P	23:38:02.34		HZ	0.003	0.7		e	S	03:00:16.63		HE			
	e	S	23:38:23.95		HN											
PBAR	e	P	23:38:06.05		HZ	0.002	0.7	24-Jan	Ho	04:16:06.8			ML 1.7			
	e	S	23:38:30.59		HE				Lat	39.736°N	Lon	08.920°W	Prof 17			
EVO	e	P	23:38:07.94		HZ	0.006	0.1		Região:	SE Marinha Grande			Rms 0.6			
	e	S	23:38:33.82		HN				AxMax	5.9	AxMin	2.0	Ang	98	ErrZ	4
PACT	e	P	23:38:13.29		BZ			Est	Fase	P	h:m:s	Dur	Co	Amp	Per	
	e	S	23:38:43.23		BN			PSBE	e	Pg	c 04:16:12.07		HZ	0.042	0.5	
PESTR	e	P	23:38:14.90		HZ	0.002	0.7		e	Sg	04:16:16.55		HE			
	e	S	23:38:42.88		HN			PCAS	e	Pg	c 04:16:14.80		HZ	0.032	0.2	
PMTG	e	P	23:38:15.19		HZ	0.002	0.2		e	Sg	04:16:21.75		HN			
	e	S	23:38:46.75		HE			COI	e	Pg	04:16:17.75		HZ	0.051	0.1	
PMAFR	e	P	23:38:16.25		HZ	0.007	0.5		e	Sg	04:16:26.64		HN			
	e	S	23:38:49.10		HN			PMAFR	e	P	d 04:16:21.55		HZ	0.021	0.1	
PMRV	e	P	23:38:21.01		HZ	0.003	0.8		e	S	04:16:33.01		HE			
	e	S	23:38:56.93		HE			PMTG	e	P	04:16:21.98		HZ	0.014	0.2	
PSBE	e	P	23:38:22.68		HZ	0.010	0.7		e	S	04:16:33.93		HE			
	e	S	23:38:58.69		HE			PACT	e	P	04:16:24.21		BZ	0.015	0.1	
PCBR	e	P	23:38:27.07		EZ	0.002	0.3		e	S	04:16:37.51		BN			
	e	S	23:39:06.88		EN			GGNV	e	S	04:16:38.93		HE	0.019	0.4	
MVO	e	S	23:39:39.37		HN	0.002	0.6	PCBR	e	P	04:16:25.18		EZ	0.010	0.2	
PVRL	e	S	23:39:40.67		SN				e	S	04:16:40.86		EN			
POLO	e	S	23:39:42.95		HN	0.001	0.8	PMRV	e	P	04:16:26.52		HZ	0.008	0.4	
									e	S	04:16:43.90		HN			
24-Jan	Ho	00:04:48.7	Distante (NEIC)			MW 5.5	MTE	e	P	04:16:28.47	HZ	0.008	0.7			
	Lat	56.546°N	Lon	148.535°W		Prof 10		e	S	04:16:44.42	HN					
	Região:	Gulf of Alaska					PVIS	e	P	04:16:28.98	HZ	0.015	0.1			
Est	Fase	P	h:m:s	Dur	Co	Amp		e	S	04:16:45.31	HN					
PGAV	e	P	00:16:40.74		BZ		PSes	e	Pn	04:16:20.44	HZ					
	e	pP	00:16:47.08		BZ			e	Sn	04:16:47.83	HN					
	e	LR	00:44:51.05		LZ	0.633	18	PESTR	e	Pn	04:16:28.43	HZ	0.007	0.2		
PBRG	e	P	00:16:42.35		BZ	0.045	1.7		e	Sn	04:16:47.71	HE				
	e	pP	00:16:50.28		BZ			EVO	e	Pn	04:16:30.98	HZ	0.015	0.1		
POLO	e	P	00:16:43.77		BZ	0.027	1.6		e	Sn	04:16:48.63	HN				
	e	pP	00:16:51.07		BZ			PNCL	e	Pn	04:16:39.80	HZ	0.003	0.2		
PVRL	e	P	00:16:43.78		SZ	0.069	1.8		e	Sn	04:16:53.09	HN				
	e	pP	00:16:51.73		SZ			PVRL	e	Pn	04:16:39.30	SZ	0.006	0.2		
MVO	e	P	00:16:45.95		BZ	0.042	2.0		e	Sn	04:17:02.96	SE				
	e	pP	00:16:53.40		BZ			POLO	e	Pg	04:16:39.13	HZ	0.001	0.4		
	e	LR	00:45:37.04		LZ	0.584	18		e	Sg	04:17:04.36	HN				
PVIS	e	P	00:16:46.18		BZ			MESJ	e	Pn	04:16:40.00	HZ	0.003	0.3		
	e	pP	00:16:54.19		BZ				e	Sn	04:17:00.30	HE				
									e	Sq	04:17:06.65	HE				

MVO	e Pn	04:16:38.03	HZ	0.005	0.2	PVRL	e Pn	04:35:30.96	SZ	0.003	0.1			
	e Pg	04:16:44.39	HZ				e Sn	04:36:39.80	SE					
	e Sn	04:17:00.45	HN			POLO	e Pn	04:35:31.57	HZ	0.000	0.1			
	e Sg	04:17:08.83	HN				e Sn	04:36:39.89	HE					
PBAR	e Pn	04:16:40.48	HZ	0.003	0.2	PCAB	e Pn	04:35:32.36	HZ	0.005	0.1			
	e Pg	04:16:46.49	HZ				e Sn	04:36:42.75	HN					
	e Sg	04:17:12.81	HN			PGAV	e Pn	04:35:32.56	HZ	0.003	0.2			
PTEO	e Sn	04:17:06.30	EE				e Sn	04:36:42.76	HE					
PCVE	e Sn	04:17:05.54	HE	0.002	0.3	MVO	e Pn	04:35:35.86	HZ	0.003	0.1			
	e Sg	04:17:14.90	HN				e Sn	04:36:47.69	HN					
PGAV	e Pn	04:16:41.96	HZ	0.003	0.4	PBRG	e Pn	04:35:43.61	HZ					
	e Sg	04:17:17.41	HE				e Sn	04:37:01.92	HE					
MORF	e Pg	04:16:53.12	HZ	0.002	0.2									
	e Sn	04:17:12.38	HN			24-Jan	Ho	05:46:24.0		ML	3.1			
	e Sg	04:17:23.00	HE				Lat	37.566°N	Lon	07.985°W	Prof	2		
PVAQ	e Sn	04:17:13.02	HN				Região: NE Almodovar				Rms	0.5		
	e Sg	04:17:24.95	HN				Sentido: III Almodôvar							
PFVI	e Sn	04:17:16.18	HE				AxMax	1.5	AxMin	1.2	Ang	87	ErrZ	3
PBDV	e Pn	04:16:46.91	HZ	0.003	0.9	Est	Fase	P h:m:s	Dur	Co	Amp	Per		
	e Sn	04:17:15.27	HN			PCVE	i Pg	d 05:46:26.05		HZ	4.109	0.2		
	e Sg	04:17:29.39	HE				e Sg	05:46:27.51		HE				
PBRG	e Sn	04:17:15.38	HN	0.002	0.2	PVAQ	i Pg	d 05:46:28.96		HZ	0.297	0.3		
	e Sg	04:17:29.34	HE				e Sg	05:46:33.06		HN				
						PBDV	i Pg	d 05:46:30.01		HZ	1.514	0.3		
							e Sg	05:46:34.06		HE				
						MESJ	i Pg	d 05:46:30.09		HZ	0.806	0.2		
							e Sg	05:46:34.28		HN				
						PBEJ	e Pg	c 05:46:33.02		EZ	0.368	0.2		
							e Sg	05:46:39.02		EN				
						PTAV	e Sg	05:46:39.81		HE				
						PALBU	e Pg	05:46:33.82		HZ	0.412	0.8		
							e Sg	05:46:40.07		HN				
						PFARO	e Pg	05:46:34.41		HZ				
							e Sg	05:46:41.42		HE				
						PTEO	e P	c 05:46:34.53		EZ	0.569	0.9		
							e S	05:46:42.76		EE				
						MORF	i P	c 05:46:34.64		HZ	0.367	0.2		
							e S	05:46:43.58		HE				
						PPOR	e P	05:46:35.46		HE				
							e S	05:46:43.42		HE				
						PALJ	e S	05:46:45.51		HE				
						PNCL	i P	d 05:46:36.05		HZ	0.589	0.4		
							e S	05:46:46.52		HN				
						PLAGO	e P	05:46:38.06		HZ	0.453	0.2		
							e S	05:46:47.49		HN				
						PFVI	e P	05:46:38.32		HZ	0.283	0.3		
							e S	05:46:48.56		HE				
						PSVI	e S	05:46:54.67		HN				
						EVO	e P	05:46:41.80		HZ	0.689	0.1		
							e S	05:46:54.75		HE				
						PBAR	e P	c 05:46:42.20		HZ	0.120	0.2		
							e S	05:46:55.13		HN				
						PSETU	e P	05:47:41.04		HZ				
							e S	05:47:57.21		HE				
						PSSES	e P	05:46:46.28		HZ	0.287	0.3		
							e S	05:47:03.94		HN				
						PESTR	e Pn	c 05:46:48.54		HZ	0.155	0.7		
							e Sn	05:47:05.73		HE				
						PVERD	e Pn	05:46:32.11		HZ	0.606	0.4		
							e Sn	05:46:50.48		HN				
						GGNV	e Pn	05:46:51.24		HZ	0.152	0.2		
							e Sg	05:47:10.70		HN				
						PMTG	e Pn	05:46:50.10		HZ	0.188	0.2		
							e Pg	05:46:51.46		HZ				
							e Sg	05:47:12.09		HN				
						PBEN	e Sg	05:47:13.63		HN				
						PMAFR	e Pn	05:46:53.04		HZ	0.108	0.3		
							e Pg	05:46:55.22		HZ				
							e Sg	05:47:19.29		HE				
						PMRV	e Pn	05:46:55.49		HZ	0.332	0.3		
							e Pg	05:46:58.64		HZ				
							e Sg	05:47:24.51		HN				
						PSBE	e Pn	05:46:57.96		HZ	0.062	0.4		
							e Pg	05:47:01.83		HZ				
							e Sg	05:47:27.79		HE				
						PCBR	e Pn	05:47:01.01		EZ	0.057	0.5		

PCAS	e Pn	05:47:04.50	HZ	0.070	0.6
	e Pg	05:47:10.26	HZ		
	e Sg	05:47:44.06	HN		
COI	e Pn	05:47:05.67	HZ	0.062	0.9
	e Sg	05:47:48.58	HE		
MTE	e Pn	05:47:08.41	HZ	0.119	0.5
	e Sg	05:47:53.85	HN		
PVIS	e Pn	05:47:13.27	HZ	0.044	0.4
	e Sn	05:47:50.11	HN		
	e Sg	05:48:02.24	HE		
PTO	e Pn	05:47:19.26	SZ		
	e Sn	05:47:58.83	SN		
MVO	e Pn	05:47:19.74	HZ	0.047	0.4
	e Sn	05:48:00.78	HE		
	e Sg	05:48:20.08	HN		
PVRL	e Pn	05:47:20.71	SZ	0.036	0.5
	e Sn	05:48:01.86	SE		
	e Sg	05:48:20.79	SN		
POLO	e Pn	05:47:21.62	HZ	0.016	0.6
	e Sn	05:48:05.45	HN		
	e Sg	05:48:24.69	HN		
PCAB	e Pn	05:47:26.16	HZ	0.026	0.5
	e Sn	05:48:13.72	HN		
	e Sg	05:48:32.73	HE		
PBRG	e Pn	05:47:28.91	HZ	0.024	0.6
	e Sn	05:48:17.67	HE		
	e Sg	05:48:42.06	HE		
PGAV	e Pn	05:47:29.80	HZ	0.020	0.5
	e Sn	05:48:18.58	HN		
	e Sg	05:48:41.84	HE		

24-Jan	Ho	06:06:36.7			ML 1.7
	Lat	37.309°N	Lon	08.587°W	Prof 12
	Região:	SW Monchique			Rms 0.5
	AxMax	2.6	AxMin	2.5	Ang 85
					ErrZ 4
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp Per</i>
MORF	e Pg	c 06:06:38.89		HZ	0.111 0.2
	e Sg	06:06:41.39		HN	
PFVI	i Pg	c 06:06:41.51		HZ	0.063 0.1
	e Sg	06:06:45.22		HN	
PTEO	i Pg	d 06:06:41.70		EZ	0.017 0.2
	e Sg	06:06:45.55		EE	
PBDV	e Pg	c 06:06:46.51		HZ	0.015 0.2
	e Sg	06:06:54.94		HN	
PCVE	e Pg	c 06:06:46.92		HZ	0.018 0.3
	e Sg	06:06:54.31		HN	
MESJ	e Pg	c 06:06:48.13		HZ	0.028 0.3
	e Sg	06:06:56.05		HN	
PVAQ	e P	06:06:49.40		HN	
	e S	06:06:59.44		HE	
PNCL	e P	d 06:06:51.21		HZ	0.032 0.1
	e S	06:07:01.41		HE	
PBEJ	e P	06:06:53.47		EZ	0.010 0.1
	e S	06:07:05.06		EN	
EVO	e Pn	06:06:59.40		HZ	0.016 0.1
	e Sn	06:07:16.48		HE	
PACT	e Sg	06:07:23.13		BE	
PBAR	e Pn	06:07:02.18		HZ	0.004 0.3
	e Pg	06:07:04.65		HZ	
	e Sg	06:07:22.86		HE	
PMAFR	e Pg	06:07:09.01		HZ	
	e Sg	06:07:31.18		HN	
PESTR	e Pg	06:07:08.81		HZ	0.003 0.5
	e Sg	06:07:30.70		HN	
PMTG	e Pg	06:07:08.64		HZ	0.007 0.4
	e Sg	06:07:30.86		HE	
PSBE	e Pg	06:07:17.32		HZ	
	e Sg	06:07:45.37		HE	
PMRV	e Pn	06:07:12.09		HZ	0.004 0.4
	e Pg	06:07:18.81		HZ	
	e Sn	06:07:39.34		HE	
	e Sg	06:07:47.45		HN	
PCBR	e Sg	06:07:58.97		EE	0.002 0.4

24-Jan	Ho	06:20:29.9			ML 1.7
	Lat	36.567°N	Lon	11.199°W	Prof 25
	Região:	Gorringe			Rms 0.4
	AxMax	9.0	AxMin	5.3	Ang 79
					ErrZ 14
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp Per</i>
PFVI	e Pn	d 06:21:00.22		HZ	0.007 0.8
	e Sn	06:21:22.65		HE	
MORF	e Pn	06:21:02.82		HZ	0.003 0.2
	e Sn	06:21:27.39		HE	
PTEO	e Sn	06:21:28.69		EN	
PNCL	e Pn	06:21:09.02		HZ	0.002 0.9
	e Sn	06:21:38.36		HE	
MESJ	e Pn	06:21:09.36		HZ	0.002 0.5
	e Sn	06:21:40.40		HE	
PBDV	e Pn	06:21:13.00		HZ	0.001 0.1
	e Sn	06:21:42.32		HN	
PCVE	e Pn	06:21:10.69		HZ	
	e Sn	06:21:41.07		HE	
PMAFR	e Sn	06:21:43.24		HN	
PVAQ	e Pn	06:21:14.73		HZ	
	e Sn	06:21:45.49		HN	
EVO	e Pn	06:21:17.04		HZ	0.003 0.3
	e Sn	06:21:51.92		HE	
PMTG	e Pn	06:21:19.69		HZ	0.004 0.7
	e Sn	06:21:57.59		HE	
PSBE	e Sn	06:21:59.22		HN	
PESTR	e Sn	06:22:03.26		HN	
PBAR	e Pn	06:21:23.99		HZ	0.001 0.2
	e Sn	06:22:03.73		HE	
PVIS	e Sn	06:22:32.45		HN	
POLO	e Sn	06:22:46.00		HE	
PGAV	e Sn	06:22:55.26		HN	

24-Jan	Ho	06:33:10.6			ML 2.0
	Lat	42.989°N	Lon	06.879°W	Prof 17
	Região:	E Lugo (ESP)			Rms 0.5
	AxMax	3.0	AxMin	2.3	Ang 99
					ErrZ 4
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp Per</i>
PBRG	e P	06:33:31.06		HZ	0.022 0.3
	e S	06:33:46.44		HE	
PGAV	e Pn	06:33:34.43		HZ	0.011 0.3
	e Pg	06:33:36.75		HZ	
	e Sg	06:33:55.63		HN	
PCAB	e Pn	06:33:36.40		HZ	0.024 0.2
	e Pg	06:33:38.00		HZ	
	e Sn	06:33:55.51		HN	
	e Sg	06:33:58.77		HE	
POLO	e Pn	06:33:39.05		HZ	0.003 0.1
	e Pg	06:33:41.89		HZ	
	e Sg	06:34:04.62		HE	
PVRL	e Pg	06:33:43.75		SZ	0.011 0.1
	e Sg	06:34:06.14		SE	
MVO	e Pn	06:33:40.21		HZ	0.011 0.2
	e Pg	06:33:42.89		HZ	
	e Sg	06:34:06.35		HE	
PVIS	e Pn	06:33:48.42		HZ	
	e Pg	06:33:53.96		HZ	
	e Sn	06:34:16.69		HN	
	e Sg	06:34:23.24		HE	
MTE	e Pg	06:33:58.41		HZ	0.005 0.5
	e Sg	06:34:31.08		HN	
PCBR	e Sn	06:34:33.85		EN	0.002 0.5
	e Sg	06:34:48.26		EE	
PMRV	e Pn	06:34:04.22		HZ	0.003 0.6
	e Sg	06:35:00.34		HE	
PSBE	e Pn	06:34:06.93		HZ	
PMTG	e Pn	06:34:10.85		HZ	
PESTR	e Sn	06:34:59.45		HE	

24-Jan	Ho	07:01:13.9			ML 1.8
	Lat	39.296°N	Lon	11.999°W	Prof 43
	Região:	Canhão da Nazaré			Rms 0.4
	AxMax	7.2	AxMin	4.5	Ang 96
					ErrZ 27
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp Per</i>
PMAFR	e P	07:01:44.40		HZ	0.010 0.1
	e S	07:02:07.18		HE	
PSSES	e P	07:01:47.56		HZ	
	e S	07:02:13.69		HE	

PBAR	e P	11:04:44.31	BZ	0.085	1.5	24-Jan	Ho	19:54:49.7																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
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PMRV	e P	01:29:06.98	BZ	0.084	1.2
PVIS	e P	01:29:08.24	BZ		
PGAV	e P	01:29:07.88	BZ	0.169	1.8
PESTR	e P	01:29:08.34	BZ	0.066	1.5
PTO	e P	01:29:09.01	SZ	0.261	1.5
COI	e P	01:29:10.15	BZ		
EVO	e P	01:29:09.83	BZ	0.067	1.2
PBEJ	e P	01:29:10.43	SZ	0.077	1.4
PVAQ	e P	01:29:09.86	BZ		
PCAS	e P	01:29:10.25	BZ	0.073	1.7
PMTG	e P	01:29:10.06	BZ	0.065	1.3
PBDV	e P	01:29:11.50	BZ	0.144	1.3
PCVE	e P	01:29:11.27	BZ	0.075	1.6
MESJ	e P	01:29:12.10	BZ	0.086	1.2
PNCL	e P	01:29:13.00	BZ	0.064	1.3
PACT	e P	01:29:12.14	BZ	0.347	1.8
MORF	e P	01:29:14.55	BZ	0.071	1.3
PTEO	e P	01:29:14.51	SZ	0.123	1.2
PMAFR	e P	01:29:13.68	BZ	0.148	1.6
PFVI	e P	01:29:14.76	BZ	0.097	1.6

25-Jan Ho 02:10:34.0 Distante (NEIC) MW 6.2					
Lat 55.400°N Lon 166.480°E Prof 8					
Região: Komandorskiye Ostrova Region					
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp Per</i>
PGAV	e P	02:22:59.21	BZ	0.130	1.9
	e S	02:33:23.80	LE		
	e SS	02:38:44.17	LN		
	e LR	02:50:32.06	LZ	7.354	18
PBRG	e P	02:23:00.12	BZ	0.110	1.8
POLO	e P	02:23:01.97	BZ	0.072	1.8
PVRL	e P	02:23:06.10	SZ	0.219	1.7
MVO	e P	02:23:03.23	BZ	0.185	1.7
	e S	02:33:31.89	LN		
	e SS	02:38:58.69	LN		
	e LR	02:51:16.23	LZ	7.212	20
PVIS	e P	02:23:06.87	BZ		
MTE	e P	02:23:09.25	BZ	0.253	1.5
	e S	02:33:36.56	LN		
	e SS	02:39:07.59	LN		
	e LR	02:51:09.91	LZ	6.008	20
COI	e P	02:23:11.06	BZ		
PCAS	e P	02:23:10.70	BZ	0.379	1.4
PCBR	e P	02:23:10.35	SZ	0.215	1.5
PSBE	e P	02:23:13.86	BZ	0.283	1.6
PMRV	e P	02:23:12.01	BZ	0.155	1.8
	e S	02:33:39.29	LN		
	e SS	02:39:29.08	LN		
	e LR	02:51:33.01	LZ	5.508	20
PMTG	e P	02:23:14.37	BZ	0.173	1.5
PMAFR	e P	02:23:15.48	BZ	0.283	1.6
PESTR	e P	02:23:14.99	BZ	0.155	1.6
PACT	e P	02:23:18.71	BZ	0.460	1.6
EVO	e P	02:23:17.56	BZ	0.157	1.6
PSBS	e P	02:23:17.28	BZ	0.321	1.7
PBAR	e P	02:23:16.91	BZ	0.189	1.6
PNCL	e P	02:23:19.12	BZ	0.068	1.7
PBEJ	e P	02:23:21.01	SZ	0.101	1.7
MESJ	e P	02:23:19.63	BZ	0.069	2.2
PCVE	e P	02:23:21.02	BZ	0.096	1.7
PTEO	e P	02:23:24.61	SZ	0.084	1.8
PVAQ	e S	02:33:53.88	LN		
	e SS	02:39:56.03	LN		
MORF	e P	02:23:22.63	BZ	0.072	1.6
PBDV	e P	02:23:24.25	BZ	0.080	2.9
PFVI	e P	02:23:24.45	BZ		
PMPST	e P	02:23:45.59	BZ		
PMPS	e P	02:23:43.09	SZ	0.191	1.8
PMOZ	e P	02:23:47.24	BZ	0.113	1.4
	e S	02:34:21.38	LN		
	e LR	02:54:09.88	LZ	3.830	20
PMAR	e P	02:23:47.50	BZ	0.192	1.8
PMSOL	e P	02:23:46.01	SZ	0.142	1.9
FUL	e P	02:23:46.18	EZ	0.110	1.5

25-Jan Ho 03:48:28.0 Distante (NEIC) MB 5.1					
Lat 08.280°N Lon 91.760°E Prof 10					
Região: Nicobar Islands, India Region					
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp Per</i>
PBRG	e P	04:01:32.38		BZ	
MVO	e P	04:01:33.83		BZ	
MTE	e P	04:01:36.75		BZ	0.076 1.7
PCBR	e P	04:01:36.47		SZ	0.043 1.7
PBAR	e P	04:01:36.63		BZ	0.045 1.5
PMRV	e P	04:01:36.68		BZ	0.047 1.3
PVIS	e P	04:01:38.06		BZ	
PBEJ	e P	04:01:40.04		SZ	
EVO	e P	04:01:39.84		BZ	0.026 1.6
PVAQ	e P	04:01:40.16		BZ	
PBDV	e P	04:01:39.20		BZ	
MESJ	e P	04:01:41.22		BZ	0.023 1.3
MORF	e P	04:01:43.23		BZ	0.031 1.5

25-Jan Ho 05:49:16.9 ML 1.8					
Lat 36.969°N Lon 05.130°W Prof 0*					
Região: NW Malaga (ESP) Rms 0.3					
AxMax 4.7 AxMin 3.6 Ang 170 ErrZ 0					
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp Per</i>
PBAR	e Pn	05:49:49.07		HZ	0.003 0.4
PVAQ	e Pn	05:49:51.88		HN	
	e Sn	05:50:18.50		HE	
PBDV	e Pn	05:49:53.70		HZ	0.003 0.5
	e Sn	05:50:22.36		HE	
PCVE	e Sg	05:50:33.54		HE	0.003 0.3
PESTR	e Pn	05:50:00.30		HZ	0.003 0.6
	e Sg	05:50:43.59		HE	
EVO	e Pn	05:50:01.82		HZ	
	e Sg	05:50:46.28		HN	
PNCL	e Pn	05:50:04.38		HZ	
	e Sn	05:50:38.51		HE	
PMRV	e Pn	05:50:05.19		HZ	0.003 0.6
	e Sg	05:50:53.23		HN	
PMTG	e Sn	05:50:47.50		HN	0.003 0.6
	e Sg	05:51:00.34		HE	

25-Jan					
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp Per</i>
PVAQ	e Pg	09:24:05.83		HN	
	e Sn	09:24:27.69		HN	
	e Sg	09:24:35.06		HN	
PBAR	e Sg	09:24:26.80		HE	0.001 0.6

25-Jan					
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp Per</i>
PVAQ	e Pg	09:38:51.06		HE	
	e Sg	09:38:59.98		HE	
PBDV	e Sg	09:38:59.74		HE	
PCVE	e S	09:39:08.65		HE	0.002 0.2
MORF	e S	09:39:12.68		HN	
MESJ	e S	09:39:14.70		HE	
PBAR	e Sg	09:39:20.03		HE	0.001 0.7

25-Jan Ho 13:46:30.4 ML 2.0					
Lat 37.156°N Lon 07.625°W Prof 1*					
Região: NE Tavira Rms 0.3					
AxMax 3.0 AxMin 2.4 Ang 159 ErrZ 0					
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp Per</i>
PVAQ	i Pg	13:46:35.05		HN	
	e Sg	13:46:38.89		HE	
PBDV	i Pg	13:46:34.77		HZ	0.067 0.3
	e Sg	13:46:38.22		HN	
PCVE	i Pg	13:46:40.62		HZ	0.014 0.5
	e Sg	13:46:49.08		HE	
MESJ	e P	13:46:45.01		HZ	0.018 0.2
	e S	13:46:56.63		HN	
MORF	e P	13:46:45.83		HZ	0.041 0.1
	e S	13:46:57.84		HE	
PBEJ	e P	13:46:47.05		EZ	0.018 0.2
	e S	13:46:59.04		EN	
PFVI	e P	13:46:48.19		HZ	0.027 0.5
	e S	13:47:01.14		HE	
PTEO	e P	13:46:48.33		EZ	0.017 0.3
	e S	13:47:01.60		EN	

PBAR	e P	13:46:51.15	HZ	0.013	0.1
	e S	13:47:06.13	HN		
PNCL	e P	13:46:51.81	HZ	0.015	0.8
	e S	13:47:08.54	HN		
EVO	e P	13:46:56.18	HZ	0.019	0.3
	e S	13:47:14.59	HE		
PESTR	e Pg	13:47:01.42	HZ	0.006	0.4
	e Sn	13:47:19.69	HE		
	e Sg	13:47:23.62	HE		
PMTG	e Pn	13:47:02.94	HZ	0.006	0.3
	e Pg	13:47:05.54	HZ		
	e Sn	13:47:27.56	HN		
	e Sg	13:47:31.17	HE		
PMAFR	e Pg	13:47:12.60	HZ	0.025	0.3
	e Sg	13:47:42.79	HN		
PMRV	e Pn	13:47:07.55	HZ	0.010	0.4
	e Pg	13:47:12.05	HZ		
	e Sg	13:47:39.29	HE		
MVO	e Sn	13:48:16.49	HN		

25-Jan Ho 16:39:43.0 Distante (NEIC) MW 5.8
Lat 40.450°N Lon 126.300°W Prof 5
Região: Off Coast of Northern California

<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp</i>	<i>Per</i>
PGAV	e LR	17:18:01.29	LZ	2.465	22	
PBRG	e P	16:52:02.45	BZ	0.006	1.2	
MVO	e P	16:52:07.36	BZ	0.009	0.9	
	e LR	17:19:36.59	LZ	2.492	20	
PMOZ	e LR	17:26:46.96	LZ	2.127	20	
MTE	e P	16:52:07.73	BZ	0.011	0.9	
	e LR	17:20:29.64	LZ	2.494	22	
PMAR	e P	16:52:15.48	BZ			
PMRV	e P	16:52:13.90	BZ	0.014	1.2	
	e LR	17:21:09.68	LZ	2.283	22	
PESTR	e P	16:52:13.81	BZ	0.017	0.9	
MESJ	e P	16:52:15.93	BZ	0.014	1.1	
MORF	e P	16:52:13.32	BZ	0.017	1.0	
PBAR	e P	16:52:15.61	BZ	0.011	1.0	
PBDV	e P	16:52:19.53	BZ	0.019	1.0	

25-Jan

<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp</i>	<i>Per</i>
PBAR	e Sg	23:40:44.21		HE		
PESTR	e Sn	23:40:44.50		HE		
	e Sg	23:41:00.49		HN		
PMRV	e Sg	23:41:02.91		HE		

26-Jan Ho 01:09:28.0 Distante (NEIC) MW 5.3
Lat 56.050°N Lon 149.270°W Prof 27
Região: Gulf of Alaska

<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp</i>	<i>Per</i>
PBRG	e P	01:21:21.77	BZ	0.057	2.0	
POLO	e P	01:21:22.50	BZ	0.028	1.4	
PTO	e P	01:21:20.86	SZ	0.067	2.0	
PVRL	e P	01:21:22.89	SZ	0.072	1.7	
MVO	e P	01:21:24.69	BZ	0.050	1.6	
COI	e P	01:21:27.72	BZ			
MTE	e P	01:21:27.72	BZ	0.067	1.5	
PCAS	e P	01:21:28.13	BZ	0.080	1.4	
PCBR	e P	01:21:30.37	SZ	0.036	1.9	
PMTG	e P	01:21:32.82	BZ	0.030	1.8	
EVO	e P	01:21:36.52	BZ	0.015	2.1	
PNCL	e P	01:21:37.65	BZ	0.061	1.5	
PBEJ	e P	01:21:39.16	SZ	0.050	1.7	
PBAR	e P	01:21:39.53	BZ	0.047	1.3	
PBDV	e P	01:21:43.24	BZ	0.058	1.7	

26-Jan Ho 02:45:55.7 ML 0.8
Lat 38.784°N Lon 07.967°W Prof 2*
Região: NE Arraiolos Rms 0.2
AxMax 2.0 AxMin 1.2 Ang 98 ErrZ 0

<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp</i>	<i>Per</i>
EVO	e P	02:46:00.31	HZ	0.005	0.1	
	e S	02:46:04.03	HN			
PESTR	e P	02:46:01.27	HZ	0.007	0.7	
	e S	02:46:05.68	HN			
PMTG	e P	02:46:01.71	HZ	0.002	0.4	
	e S	02:46:07.04	HN			

PBEJ	e S	02:46:19.51	EN		
PMRV	e P	02:46:10.78	HZ	0.005	0.7
	e S	02:46:20.47	HE		
PNCL	e P	02:46:10.55	HZ	0.007	0.7
	e S	02:46:21.20	HN		
PBAR	e P	02:46:12.65	HZ	0.001	0.5
	e S	02:46:26.15	HN		
MESJ	e S	02:46:26.44	HE		
PCBR	e S	02:46:31.28	EN		
PCVE	e P	02:46:16.67	HZ		
PVAQ	e S	02:46:39.50	HN		

26-Jan Ho 03:27:28.1 ML 1.0
Lat 38.731°N Lon 07.917°W Prof 10
Região: E Arraiolos Rms 0.4
AxMax 4.1 AxMin 2.2 Ang 102 ErrZ 5

<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp</i>	<i>Per</i>
EVO	e Pg	c 03:27:32.24		HZ	0.006	0.4
	e Sg	03:27:35.47		HN		
PESTR	e Pg	03:27:33.58		HZ	0.002	0.2
	e Sg	03:27:37.90		HN		
PMTG	e Pg	03:27:35.58		HZ	0.002	0.5
	e Sg	03:27:41.57		HN		
PBEJ	e S	03:27:49.61		EE	0.004	0.6
PNCL	e P	03:27:42.41		HZ	0.009	0.7
	e S	03:27:52.53		HE		
PMRV	e P	03:27:42.81		HZ	0.004	0.4
	e S	03:27:53.56		HE		
PBAR	e P	03:27:43.54		HZ	0.002	0.6
	e S	03:27:56.03		HE		
MESJ	e P	03:27:45.01		HZ	0.006	0.6
	e S	03:27:56.43		HE		
PMAFR	e S	03:28:02.94		HN		
PCVE	e P	03:27:49.71		HZ	0.003	0.2
	e S	03:28:01.51		HE		
PCBR	e S	03:28:03.91		EN	0.002	0.2
PVAQ	e P	03:27:52.15		HE		
	e S	03:28:08.56		HN		
PTEO	e S	03:28:09.19		EN		
PCAS	e S	03:28:12.10		HN		
PBDV	e S	03:28:13.01		HN		

26-Jan Ho 07:28:35.0 Distante (IPMA)
Lat 16.130°N Lon 46.780°W Prof 10
Região: Northern Mid-Atlantic Ridge

<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp</i>	<i>Per</i>
PFVI	e P	07:36:16.55		BZ	0.106	1.9
MORF	e P	07:36:10.66		BZ	0.096	1.6
PSES	e P	07:36:17.77		BZ	0.210	1.3
PNCL	e P	07:36:12.30		BZ	0.062	1.8
MESJ	e P	07:36:19.45		BZ	0.043	1.7
PCVE	e P	07:36:14.20		BZ	0.046	1.6
EVO	e P	07:36:16.75		BZ	0.017	1.5
PMTG	e P	07:36:17.18		BZ	0.067	1.9
PESTR	e P	07:36:19.84		BZ	0.021	1.3
PBAR	e P	07:36:20.38		BZ	0.029	1.4
PMRV	e P	07:36:23.48		BZ	0.035	2.0
PCBR	e P	07:36:23.37		SZ	0.032	1.1
PVIS	e P	07:36:24.51		BZ		
MTE	e P	07:36:25.14		BZ	0.079	1.4
PGAV	e P	07:36:26.40		BZ	0.061	1.6

26-Jan Ho 12:07:58.2 ML 2.1
Lat 36.909°N Lon 08.828°W Prof 20
Região: SE Cabo S.Vicente Rms 0.4
AxMax 6.0 AxMin 3.6 Ang 69 ErrZ 3

<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp</i>	<i>Per</i>
PFVI	i Pg	d 12:08:03.79		HZ	0.086	0.3
	e Sg	12:08:07.24		HE		
MORF	e Pg	d 12:08:06.54		HZ	0.224	0.1
	e Sg	12:08:12.27		HN		
PTEO	e Pg	12:08:10.15		EZ	0.150	0.7
	e Sg	12:08:18.83		EN		
PBDV	e P	12:08:12.53		HZ	0.026	0.4
	e S	12:08:23.15		HN		
PCVE	e P	12:08:15.63		HZ	0.013	0.3
	e S	12:08:28.35		HE		

MVO	e	Sg	23:48:32.30	HE	0.005	0.6	PSES	e	Pn	00:36:07.62	HZ	0.036	0.7
PVIS	e	Sg	23:48:37.73	HN	0.003	0.8		e	Sn	00:36:45.92	HE		
PCAS	e	Sg	23:48:39.58	HN	0.008	0.4	PMAFR	e	Pn	00:36:10.89	HZ	0.021	0.6
PBRG	e	Sg	23:48:44.71	HN				e	Sn	00:36:53.57	HN		
PVRL	e	Sg	23:48:46.10	SE				e	Sg	00:37:12.39	HN		

28-Jan Ho 23:53:14.0 Distante (NEIC) MW 5.4
Lat 31.290°S Lon 68.710°W Prof 90
Região: San Juan Province, Argentina

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PMAR	e	P	24:05:16.33	BZ	0.234	1.4
PTEO	e	P	24:05:56.46	SZ	0.069	1.5
PBDV	e	P	24:05:58.57	BZ	0.097	1.8
PSES	e	P	24:05:59.18	BZ	0.141	1.8
PCVE	e	P	24:05:58.70	BZ	0.075	1.7
PNCL	e	P	24:05:58.31	BZ	0.042	1.5
PBEJ	e	P	24:06:00.46	SZ	0.024	1.3
EVO	e	P	24:06:01.30	BZ	0.034	2.0
PSBE	e	P	24:06:02.28	BZ	0.064	1.7
PMTG	e	P	24:06:02.17	BZ	0.054	1.8
PESTR	e	P	24:06:03.51	BZ	0.028	1.4
PMRV	e	P	24:06:05.28	BZ	0.025	2.2
MTE	e	P	24:06:08.49	BZ	0.040	1.4
PVRL	e	P	24:06:10.15	SZ	0.038	1.6
MVO	e	P	24:06:11.93	BZ	0.033	1.8
PBRG	e	P	24:06:14.53	BZ	0.035	1.4

29-Jan Ho 00:35:14.4 ML 2.9
Lat 36.939°N Lon 05.266°W Prof 18
Região: SE Sevilha (ESP) Rms 0.4
AxMax 1.7 AxMin 1.5 Ang 83 ErrZ 3

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PBAR	e	Pn	00:35:43.91	HZ	0.054	0.2
	e	Pg	00:35:47.74	HZ		
	e	Sn	00:36:07.27	HN		
	e	Sg	00:36:13.31	HE		
PVAQ	e	Pn	00:35:46.11	HZ	0.026	0.3
	e	Sn	00:36:10.05	HE		
	e	Sg	00:36:17.11	HE		
PBDV	e	Pn	00:35:48.37	HZ	0.044	0.3
	e	Sn	00:36:13.87	HN		
PCVE	e	Pn	00:35:50.28	HZ	0.029	0.4
	e	Sg	00:36:25.92	HE		
PBEJ	e	Pn	00:35:50.74	EZ	0.020	0.3
	e	Sn	00:36:18.82	EN		
	e	Sg	00:36:27.29	EN		
MESJ	e	Pn	00:35:53.14	HZ	0.037	0.4
	e	Sn	00:36:24.60	HN		
	e	Sg	00:36:33.78	HN		
PESTR	e	Pn	00:35:55.33	HZ	0.037	0.3
	e	Pg	00:36:01.97	HZ		
	e	Sn	00:36:26.35	HE		
	e	Sg	00:36:37.43	HN		
EVO	e	Pn	00:35:56.37	HZ	0.032	0.4
	e	Pg	00:36:03.68	HZ		
	e	Sn	00:36:28.23	HN		
	e	Sg	00:36:38.49	HN		
MORF	e	Pn	00:35:56.38	HZ		
	e	Pg	00:36:03.96	HZ		
	e	Sn	00:36:29.06	HN		
PTEO	e	Pn	00:35:57.61	EZ	0.030	0.5
	e	Sn	00:36:31.86	EE		
	e	Sg	00:36:43.50	EE		
PNCL	e	Pn	00:35:57.67	HZ	0.028	0.8
	e	Sn	00:36:32.24	HN		
	e	Sg	00:36:43.05	HN		
PFVI	e	Sn	00:36:32.02	HE	0.028	0.7
PMRV	e	Pn	00:35:59.64	HZ	0.031	0.4
	e	Pg	00:36:08.22	HZ		
	e	Sn	00:36:34.66	HE		
	e	Sg	00:36:46.58	HN		
PMTG	e	Pn	00:36:02.59	HZ	0.029	0.5
	e	Pg	00:36:11.40	HZ		
	e	Sg	00:36:54.47	HE		
PCBR	e	Pn	00:36:05.58	EZ	0.025	0.7
	e	Sn	00:36:43.42	EE		
	e	Sg	00:36:58.35	EN		

	e	Sn	00:36:45.92	HE		
	e	Pn	00:36:10.89	HZ	0.021	0.6
	e	Sn	00:36:53.57	HN		
	e	Sg	00:37:12.39	HN		
PSBE	e	Pn	00:36:11.18	HZ	0.027	0.5
	e	Sn	00:36:55.01	HE		
	e	Sg	00:37:12.80	HN		
MTE	e	Pn	00:36:12.80	HZ	0.030	0.6
	e	Sn	00:36:56.63	HN		
PCAS	e	Pn	00:36:14.46	HZ	0.034	0.6
	e	Sn	00:36:58.13	HN		
	e	Sg	00:37:18.86	HE		
COI	e	Pn	00:36:15.56	HZ		
	e	Sn	00:37:00.18	HE		
PVIS	e	Pn	00:36:18.30	HZ	0.014	0.5
	e	Sn	00:37:05.53	HN		
	e	Sg	00:37:27.26	HE		
MVO	e	Pn	00:36:19.30	HZ	0.020	0.7
	e	Sn	00:37:09.00	HN		
	e	Sg	00:37:31.02	HE		
PVRL	e	Pn	00:36:24.05	SZ		
	e	Sn	00:37:16.55	SN		
	e	Sg	00:37:43.12	SN		
POLO	e	Pn	00:36:25.31	HZ	0.006	0.5
	e	Sn	00:37:17.95	HE		
	e	Sg	00:37:44.88	HN		
PBRG	e	Pn	00:36:26.91	HZ	0.011	0.6
	e	Sn	00:37:21.85	HE		
	e	Sg	00:37:49.71	HN		
PCAB	e	Sn	00:37:28.50	HN		
	e	Sg	00:37:57.92	HE		
PGAV	e	Pn	00:36:34.84	HZ	0.011	0.6
	e	Sn	00:37:35.40	HE		

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PVAQ	e	Pn	00:52:31.16	HE		
	e	Sn	00:52:55.10	HN		
	e	Sg	00:53:02.50	HE		
PBDV	e	Pn	00:52:33.27	HZ		
PBAR	e	Sn	00:52:52.45	HE	0.002	0.7
	e	Sg	00:52:58.32	HN		

29-Jan Ho 01:04:10.0 ML 2.7
Lat 36.979°N Lon 05.301°W Prof 14
Região: SE Sevilha (ESP) Rms 0.3
AxMax 1.6 AxMin 1.3 Ang 88 ErrZ 3

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PBAR	e	Pn	01:04:39.61	HZ	0.033	0.4
	e	Sn	01:05:02.77	HE		
	e	Sg	01:05:07.26	HN		
PVAQ	e	Pn	01:04:41.86	HZ	0.016	0.3
	e	Sn	01:05:05.76	HE		
PBDV	e	Pn	01:04:44.05	HZ	0.026	0.4
	e	Sn	01:05:09.49	HE		
PCVE	e	Pn	01:04:46.03	HZ	0.025	0.5
	e	Pg	01:04:52.00	HZ		
	e	Sg	01:05:21.29	HN		
PBEJ	e	Pn	01:04:46.26	EZ	0.013	0.6
	e	Sn	01:05:15.25	EE		
MESJ	e	Pn	01:04:48.88	HZ	0.023	0.5
	e	Sn	01:05:19.62	HE		
PESTR	e	Pn	01:04:50.77	HZ	0.017	0.4
	e	Pg	01:04:57.61	HZ		
	e	Sn	01:05:22.10	HN		
	e	Sg	01:05:30.90	HE		
EVO	e	Pn	01:04:51.36	HZ		
	e	Pg	01:04:58.76	HZ		
	e	Sn	01:05:22.75	HN		
	e	Sg	01:05:33.30	HE		
MORF	e	Pn	01:04:52.01	HZ	0.018	0.2
	e	Sn	01:05:24.92	HN		
PTEO	e	Pn	01:04:53.22	EZ	0.022	0.7
	e	Sn	01:05:27.43	EN		
	e	Sg	01:05:38.21	EN		

PNCL	e Pn	01:04:53.39	HZ	0.020	0.9	29-Jan	Ho 02:23:31.6	ML 2.0			
	e Pg	01:05:01.66	HZ				Lat 36.524°N	Lon 09.759°W	Prof 31		
	e Sn	01:05:26.74	HE				Região: SW Cabo S.Vicente				Rms 0.3
	e Sg	01:05:37.38	HE				AxMax 3.7	AxMin 2.9	Ang 77	ErrZ 6	
PFVI	e Pn	01:04:52.99	HZ	0.024	0.5	<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp Per</i>
	e Sn	01:05:27.54	HN			PFVI	e P	c 02:23:47.52		HZ	0.016 0.7
PMRV	e Pn	01:04:55.19	HZ	0.021	0.2		e S	02:23:59.56		HE	
	e Sn	01:05:28.14	HN			MORF	e P	02:23:50.57		HZ	0.015 0.1
	e Sg	01:05:39.70	HE				e S	02:24:05.03		HN	
PMTG	e Pn	01:04:57.38	HZ	0.019	0.7	PTEO	e P	02:23:52.61		EZ	0.008 0.4
	e Pg	01:05:02.65	HZ				e S	02:24:07.95		EE	
	e Sn	01:05:30.71	HN			PBDV	e P	02:23:56.96		HZ	0.006 0.8
	e Sg	01:05:43.12	HN				e S	02:24:15.81		HN	
PCBR	e Pn	01:05:00.60	EZ	0.014	0.5	PCVE	e P	02:23:58.97		HZ	0.005 0.2
	e Sn	01:05:38.57	EE				e S	02:24:19.24		HN	
	e Sg	01:05:54.59	EN			MESJ	e P	02:23:59.03		HZ	0.005 1.2
PSES	e Pn	01:05:01.47	HZ	0.025	0.4		e S	02:24:19.64		HN	
	e Sn	01:05:41.50	HN			PVAQ	e P	02:23:59.96		HN	
PMAFR	e Pn	01:05:06.23	HZ	0.019	0.6		e S	02:24:21.12		HN	
	e Sn	01:05:50.51	HE			PNCL	e P	02:23:59.73		HZ	0.007 0.1
PSBE	e Pn	01:05:06.86	HZ	0.012	0.8		e S	02:24:20.85		HN	
	e Sn	01:05:49.46	HN			PSES	e S	02:24:23.67		HN	
	e Sg	01:06:08.17	HN			PBEJ	e P	02:24:03.36		EZ	0.005 0.7
MTE	e Pn	01:05:08.84	HZ	0.017	0.5		e S	02:24:27.42		EE	
	e Sn	01:05:51.94	HN			PACT	e P	02:24:07.00		BZ	
	e Sg	01:06:10.88	HE				e S	02:24:34.05		BE	
PCAS	e Pn	01:05:10.13	HZ	0.016	0.5	EVO	e P	02:24:07.37		HZ	0.007 0.1
	e Sn	01:05:53.77	HE				e S	02:24:34.45		HE	
	e Sg	01:06:12.87	HE			PMAFR	e P	02:24:07.79		HZ	0.018 0.2
COI	e Sn	01:05:56.01	HE				e S	02:24:35.21		HN	
PVIS	e Pn	01:05:13.69	HZ	0.009	0.5	PBAR	e P	02:24:11.67		HZ	0.002 0.3
	e Sn	01:06:01.21	HN				e S	02:24:41.99		HN	
	e Sg	01:06:23.27	HE			PMTG	e P	02:24:12.78		HZ	0.006 0.4
MVO	e Pn	01:05:15.03	HZ	0.012	0.7		e S	02:24:43.92		HE	
	e Sn	01:06:04.59	HN			PESTR	e P	02:24:13.51		HZ	0.002 0.6
	e Sg	01:06:25.96	HN				e S	02:24:45.83		HE	
PVRL	e Pn	01:05:19.33	SZ			PSBE	e P	02:24:16.68		HZ	
POLO	e Pn	01:05:21.27	HZ	0.004	0.4		e S	02:24:50.92		HE	
	e Sn	01:06:14.53	HE			PMRV	e P	02:24:21.23		HZ	0.003 0.3
	e Sg	01:06:40.70	HN				e S	02:24:58.28		HE	
PBRG	e Sn	01:06:18.42	HN			PCAS	e S	02:25:03.60		HN	0.004 0.9
	e Sg	01:06:44.40	HE			PCBR	e P	02:24:26.17		EZ	
PGAV	e Pn	01:05:30.64	HZ	0.007	0.6		e S	02:25:06.75		EN	
	e Sn	01:06:30.99	HN			MTE	e P	02:24:32.37		HZ	
	e Sg	01:06:59.34	HE				e S	02:25:18.26		HN	
29-Jan Ho 01:08:11.2 ML 1.8						PVRL	e S	02:25:35.81		SE	
Lat 36.968°N Lon 05.285°W Prof 18						POLO	e S	02:25:37.62		HN	
Região: SE Sevilha (ESP) Rms 0.3						MVO	e S	02:25:38.08		HE	
AxMax 2.1 AxMin 1.9 Ang 145 ErrZ 3						PGAV	e S	02:25:49.31		HE	
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp Per</i>	PBRG	e S	02:25:53.43		HE	
PBAR	e Pn	01:08:40.65	HZ	0.003	0.5	29-Jan Ho 04:59:18.6 ML 1.7					
	e Sn	01:09:04.76	HE			Lat 36.979°N Lon 05.288°W Prof 11					
	e Sg	01:09:09.90	HN			Região: SE Sevilha (ESP) Rms 0.3					
PVAQ	e Pn	01:08:42.63	HE			AxMax 2.5 AxMin 2.0 Ang 109 ErrZ 3					
	e Sn	01:09:06.55	HE			<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp Per</i>
	e Sg	01:09:12.85	HN			PBAR	e Pn	04:59:48.53		HZ	0.002 0.4
PBDV	e Pn	01:08:45.08	HZ	0.006	0.7		e Pg	04:59:52.65		HZ	
	e Sn	01:09:10.22	HN				e Sn	05:00:12.21		HN	
PCVE	e Pn	01:08:46.92	HZ	0.005	0.8		e Sg	05:00:17.32		HE	
	e Sg	01:09:22.08	HN			PVAQ	e Pn	04:59:50.61		HE	
MESJ	e Pn	01:08:49.75	HZ				e Sn	05:00:15.23		HE	
	e Sn	01:09:20.61	HE			PBDV	e Pn	04:59:52.87		HZ	0.006 0.6
	e Sg	01:09:28.06	HN				e Sn	05:00:18.66		HE	
PESTR	e Sn	01:09:22.87	HE	0.002	0.5	PCVE	e Pn	04:59:54.81		HZ	0.003 0.8
	e Sg	01:09:32.26	HN				e Sg	05:00:31.72		HE	
PTEO	e Sn	01:09:28.33	EN			MESJ	e Pn	04:59:57.54		HZ	
PNCL	e Pn	01:08:54.34	HZ	0.006	0.9	PESTR	e Pn	04:59:59.57		HZ	0.002 0.5
	e Sn	01:09:28.54	HN				e Sg	05:00:41.24		HE	
PMRV	e Pn	01:08:57.61	HZ	0.002	0.8	PNCL	e Pn	05:00:02.30		HZ	0.002 0.7
	e Sn	01:09:31.41	HN			PMRV	e Pn	05:00:05.13		HZ	0.002 0.3
	e Sg	01:09:42.71	HN				e Sn	05:00:39.00		HN	
PMTG	e Pn	01:08:58.62	HZ				e Sg	05:00:50.60		HN	

29-Jan	Ho	05:49:47.0	Distante (NEIC)	MW 5.0
	Lat	07.268°N	Lon 79.571°W	Prof 10
	Região: South of Panama			
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>
PCAS	e P	06:01:05.68	BZ	0.045 1.5
PMTG	e P	06:01:09.33	BZ	0.020 1.3
PESTR	e P	06:01:08.33	BZ	0.037 1.6
POLO	e P	06:01:10.32	BZ	0.014 1.9
MVO	e P	06:01:13.75	BZ	0.032 1.4

29-Jan	Ho	07:49:21.0				ML 1.5	
	Lat	36.972°N		Lon	05.246°W		Prof 15
	Região: SE Sevilha (ESP)						Rms 0.3
	AxMax	1.9	AxMin	1.4	Ang	85	ErrZ 3
Est	Fase	P h:m:s		Dur	Co	Amp	Per
PBAR	e Pn	07:49:50.95			HZ	0.002	0.5
	e Sn	07:50:14.70			HE		
	e Sg	07:50:18.81			HE		
PVAQ	e Pn	07:49:53.12			HE		
	e Sn	07:50:17.22			HN		
PBDV	e Pn	07:49:55.57			HZ		
	e Sn	07:50:20.58			HE		
MESJ	e Pn	07:50:00.32			HZ		

29-Jan	Ho	08:10:58.0				ML	1.8	
	Lat	36.978°N		Lon	05.297°W		Prof	13
	Região: SE Sevilha (ESP)						Rms	0.3
	AxMax	1.8	AxMin	1.6	Ang	120	ErrZ	3
Est	Fase	P	h:m:s	Dur	Co	Amp Per		
PBAR	e Pn		08:11:27.77		HZ	0.005	0.2	
	e Sn		08:11:50.43		HE			
	e Sg		08:11:56.18		HE			
PVAQ	e Pn		08:11:29.71		HN			
	e Sn		08:11:54.01		HN			
PBDV	e Pn		08:11:32.03		HZ			
	e Sn		08:11:58.25		HN			
PCVE	e Pn		08:11:34.04		HZ			
	e Sn		08:12:03.28		HN			
PESTR	e Sn		08:12:10.59		HN	0.003	0.7	
PNCL	e Pn		08:11:41.45		HZ	0.004	0.7	
	e Sn		08:12:16.50		HN			
PMRV	e Sn		08:12:18.35		HE	0.002	0.3	
	e Sg		08:12:29.70		HN			

29-Jan	Ho	08:43:09.8			ML 1.5	
	Lat	37.006°N	Lon	05.311°W	Prof 16	
	Região: SE Sevilha (ESP)				Rms 0.3	
	AxMax	5.3	AxMin	3.1	Ang	148 ErrZ 6
Est	Fase	P	h:m:s	Dur	Co	Amp Per
PBAR	e Pn		08:43:39.51		HZ	0.004 0.4
	e Sn		08:44:02.74		HE	
PVAQ	e Pn		08:43:40.96		HE	
	e Sn		08:44:05.07		HN	
	e Sg		08:44:10.89		HE	
PBDV	e Pn		08:43:43.29		HZ	
	e Sn		08:44:09.55		HE	
PCVE	e Pn		08:43:45.20		HZ	
MESJ	e Pn		08:43:48.18		HZ	
PMRV	e Sn		08:44:29.78		HN	0.001 0.7

29-Jan	Ho	11:01:36.7				
	Lat	41.624°N	Lon	08.463°W	Prof	0
	Região: SW Vila Verde				Rms	0.2
	AxMax	10.7	AxMin	3.3	Ang	76
					ErrZ	11
Est	Fase	P h:m:s		Dur	Co	Amp Per
PCAB	e Pg	11:01:43.00			HZ	
PGAV	e Pg	11:01:43.45			HZ	
POLO	e Pg	11:01:46.84			HZ	
PVRL	e Pg	11:01:48.67			SZ	
MVO	e P	11:01:58.26			HZ	
MTE	e P	11:02:01.81			HZ	
PMRV	e P	11:02:15.59			HZ	
PMTG	e P	11:02:18.04			HZ	

29-Jan	Ho	11:01:37.6	ML 2.2
	Lat	41.606°N	Lon 08.451°W
	Região: S Vila Verde		Prof 8
	Sentido: IIII	Braga	Rms 0.4
	AxMax	4.1	AxMin 1.6
	Ang	97	ErrZ 4

<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp</i>	<i>Per</i>
PCAB	e Pg	c 11:01:44.17	HZ	0.343	0.1	
	e Sg	11:01:48.76	HN			
PGAV	e Pg	c 11:01:44.66	HZ	0.057	0.3	
	e Sg	11:01:49.80	HN			
PTO	e Pg	11:01:46.51	SZ	0.155	0.1	
	e Sg	11:01:52.55	SN			
POLO	e Pg	d 11:01:48.06	HZ	0.018	0.4	
	e Sg	11:01:55.03	HN			
PVRL	e Pg	d 11:01:49.82	SZ	0.069	0.1	
	e Sg	11:01:58.05	SE			
PVIS	e P	11:01:55.80	HZ	0.052	0.1	
	e S	11:02:08.86	HN			
MVO	e P	11:01:58.86	HZ	0.025	0.1	
	e S	11:02:13.60	HN			
PBRG	e S	11:02:18.37	HE	0.032	0.3	
MTE	e P	11:02:01.91	HZ	0.030	0.4	
	e S	11:02:20.73	HE			
COI	S	11:02:21.21	HN	0.037	0.3	
PCAS	e P	11:02:04.75	HZ	0.017	0.4	
	e S	11:02:25.62	HN			
PCBR	e Pg	11:02:12.84	EZ	0.010	0.4	
PSBE	e Sg	11:02:44.40	HN			
PMRV	e Pg	11:02:20.84	HZ	0.010	0.3	
	e Sg	11:02:49.48	HE			
PMTG	e Pn	11:02:18.03	HZ	0.003	0.1	
	e Sn	11:02:47.40	HE			
	e Sg	11:02:58.67	HE			
PESTR	e Pn	11:02:21.72	HZ	0.007	0.5	
	e Sn	11:02:54.42	HE			
	e Sg	11:03:07.11	HN			
PBAR	e Pn	11:02:32.35	HZ	0.005	0.9	
	e Sn	11:03:12.32	HN			
	e Sg	11:03:32.49	HN			
MESJ	e Pn	11:02:34.71	HZ			
	e Sn	11:03:17.04	HE			
PCVE	e Sn	11:03:22.60	HE			
PVAQ	e Sn	11:03:28.42	HN			

29-Jan	Ho	12:14:42.0	Distante (NEIC)		MB 4.6	
	Lat	53.720°N	Lon	35.126°W	Prof 10	
Região: Reykjanes Ridge						
Est	Fase	P	h:m:s	Dur	Co	Amp Per
PGAV	e P		12:19:31.81		BZ	0.067 2.1
POLO	e P		12:19:39.15		BZ	0.027 1.7
PBRG	e P		12:19:41.24		BZ	0.052 1.7
MVO	e P		12:19:45.32		BZ	0.048 1.8
PCBR	e P		12:19:51.05		SZ	0.050 1.7

29-Jan	Ho	12:18:40.0	Distante (IPMA)			
	Lat	53.490°N	Lon	35.530°W	Prof 10	
Região: Reykjanes Ridge						
Est	Fase	P	h:m:s	Dur	Co	Amp Per
PGAV	e P		12:23:26.88		BZ	0.090 1.9
POLO	e P		12:23:34.31		BZ	0.029 1.9
PBRG	e P		12:23:36.58		BZ	0.081 1.8
PVIS	e P		12:23:37.49		BZ	
MVO	e P		12:23:41.57		BZ	0.071 1.6
MTE	e P		12:23:44.22		BZ	0.056 2.0
PCBR	e P		12:23:46.99		SZ	0.086 1.6
PMTG	e P		12:23:46.42		BZ	0.045 1.6
PNCL	e P		12:23:52.79		BZ	0.067 1.7
PBAR	e P		12:23:59.67		BZ	0.053 1.6

30-Jan	Ho	01:52:21.6				ML 3.1	
	Lat	36.934°N		Lon	05.250°W		Prof 15
	Região: SE Sevilha (ESP)						Rms 0.4
	AxMax	1.8	AxMin	1.7	Ang	81	ErrZ 3
Est	Fase	P h:m:s		Dur	Co	Amp	Per
PBAR	e Pn	01:52:51.90			HZ	0.105	0.4
	e Pg	01:52:55.50			HZ		
	e Sn	01:53:15.70			HN		
PVAQ	e Pn	d 01:52:54.16			HZ		

PBDV	e Pn	01:52:56.30	HZ	0.059	0.3	PESTR	e Sn	02:07:55.45	HN		
	e Sn	01:53:21.76	HN			PTEO	e Sn	02:07:59.37	EE		
PCVE	e Pn	d 01:52:58.35	HZ	0.043	0.5	PNCL	e Pn	02:07:26.66	HZ		
	e Sg	01:53:33.61	HN			PMRV	e Pn	02:07:32.51	HZ	0.001	0.6
PBEJ	e Pn	01:52:58.46	EZ	0.039	0.6		e Sn	02:08:03.57	HN		
	e Pg	01:53:03.97	EZ								
	e Sg	01:53:35.44	EN								
MESJ	e Pn	d 01:53:01.20	HZ	0.054	0.3						
PESTR	e Pn	01:53:03.09	HZ	0.054	0.4						
	e Sn	01:53:34.23	HE								
	e Sg	01:53:44.34	HE								
EVO	e Pn	d 01:53:03.60	HZ	0.070	0.5						
	e Sn	01:53:36.19	HN								
MORF	e Pn	01:53:04.40	HZ	0.045	0.2						
	e Sn	01:53:37.46	HN								
PTEO	e Pn	01:53:05.49	EZ	0.044	0.6						
	e Sn	01:53:38.37	EN								
PNCL	e Pn	d 01:53:05.73	HZ	0.028	0.5						
	e Sn	01:53:39.10	HE								
PFVI	e Pn	01:53:05.59	HZ	0.043	0.7						
	e Sn	01:53:39.31	HN								
PMRV	e Pn	01:53:07.44	HZ	0.057	0.6						
	e Sn	01:53:42.13	HE								
	e Sg	01:53:53.61	HN								
PMTG	e Pn	01:53:09.69	HZ	0.037	0.5						
	e Sn	01:53:47.23	HN								
PCBR	e Pn	01:53:12.75	EZ	0.046	0.6						
	e Sn	01:53:50.05	EN								
PSES	e Pn	01:53:13.68	HZ	0.050	0.5						
	e Sn	01:53:53.49	HN								
PMAFR	e Pn	01:53:18.39	HZ	0.043	0.7						
	e Sn	01:54:00.65	HN								
PSBE	e Pn	01:53:19.10	HZ	0.036	0.5						
	e Sn	01:54:02.11	HN								
	e Sg	01:54:20.20	HN								
MTE	e Pn	01:53:20.50	HZ	0.049	0.5						
	e Sn	01:54:04.38	HE								
	e Sg	01:54:23.38	HE								
PCAS	e Pn	01:53:22.53	HZ	0.051	0.6						
	e Sn	01:54:06.15	HN								
	e Sg	01:54:27.11	HE								
COI	e Sn	01:54:08.56	HN								
PVIS	e Pn	01:53:25.89	HZ	0.020	0.5						
	e Sn	01:54:12.29	HE								
MVO	e Pn	c 01:53:27.36	HZ	0.039	0.6						
	e Sn	01:54:15.94	HE								
	e Sg	01:54:38.16	HE								
PVRL	e Pn	01:53:31.33	SZ								
	e Sn	01:54:23.13	SE								
POLO	e Pn	01:53:33.01	HZ	0.012	0.5						
	e Sn	01:54:25.40	HN								
	e Sg	01:54:53.08	HN								
PTO	e Pn	01:53:34.92	SZ	0.024	0.5						
	e Sn	01:54:28.90	SN								
PBRG	e Pn	01:53:34.94	HZ	0.018	0.5						
	e Sn	01:54:28.71	HE								
	e Sg	01:54:56.79	HE								
PCAB	e Pn	01:53:38.31	HZ	0.023	0.4						
	e Sg	01:55:05.32	HE								
PGAV	e Pn	01:53:42.45	HZ	0.018	0.6						
	e Sn	01:54:42.98	HN								
	e Sg	01:55:13.81	HE								
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30-Jan	Ho	02:06:42.5									
	Lat	36.917°N									
	Lon	05.232°W									
	Região:	NW Malaga (ESP)									
	AxMax	2.0	AxMin	1.9	Ang	162					
Est	Fase	P h:m:s	Dur	Co	Amp	Per					
PBAR	e Pn	02:07:13.44		HZ	0.004	0.4					
PVAQ	e Pn	02:07:14.93		HE							
	e Sn	02:07:39.11		HN							
	e Sg	02:07:44.90		HE							
PBDV	e Pn	02:07:17.21		HZ							
	e Sn	02:07:42.52		HN							
PCVE	e Pn	02:07:19.39		HZ							
	e Sg	02:07:55.71		HN							
MESJ	e Pn	02:07:22.11		HZ							
	e Sg	02:08:01.11		HN							
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30-Jan	Ho	06:33:53.5									
	Lat	38.838°N									
	Lon	08.246°W									
	Região:	SW Mora									
	AxMax	2.3	AxMin	1.3	Ang	90					
Est	Fase	P h:m:s	Dur	Co	Amp	Per					
PMTG	e Pg	c 06:33:57.67		HZ	0.053	0.2					
	e Sg	06:34:01.02		HE							
EVO	i Pg	d 06:34:00.21		HZ	0.055	0.1					
	e Sg	06:34:05.12		HN							
PESTR	e Pg	06:34:03.13		HZ	0.006	0.2					
	e Sg	06:34:09.75		HN							
PNCL	e P	06:34:07.27		HZ	0.006	0.3					
	e S	06:34:17.05		HN							
PSES	e S	06:34:18.76		HN							
PSBE	e P	06:34:08.05		HZ	0.006	0.6					
	e S	06:34:19.02		HN							
PMAFR	e P	06:34:08.40		HZ	0.014	0.7					
	e S	06:34:19.17		HE							
PBEJ	e P	06:34:09.04		EZ	0.005	0.2					
	e S	06:34:20.46		EN							
PMRV	e P	06:34:09.96		HZ	0.005	0.5					
	e S	06:34:21.50		HN							
MESJ	e P	06:34:11.97		HZ	0.006	1.2					
	e S	06:34:25.31		HE							
PBAR	e P	06:34:14.60		HZ	0.005	0.6					
	e S	06:34:30.02		HN							
PCBR	e P	06:34:14.80		EZ	0.006	0.2					
	e S	06:34:30.43		EN							
PCVE	e P	06:34:15.90		HZ	0.006	0.3					
	e S	06:34:32.24		HN							
PCAS	e P	06:34:16.01		HZ	0.010	0.4					
	e S	06:34:32.19		HN							
PTEO	e P	06:34:18.49		EZ	0.007	0.3					
	e S	06:34:35.98		EN							
PVAQ	e P	06:34:20.59		HE							
	e S	06:34:39.81		HN							
MORF	e S	06:34:42.03		HE	0.004	0.2					
PBDV	e P	06:34:22.98		HZ	0.004	0.3					
	e S	06:34:43.05		HN							
MTE	e Pn	06:34:23.27		HZ	0.004	0.4					
	e Sn	06:34:44.55		HN							
PVIS	e Sn	06:34:52.06		HN	0.005	0.3					
MVO	e Pn	06:34:33.51		HZ	0.002	0.3					
	e Sg	06:35:13.09		HE							
POLO	e Sg	06:35:13.60		HE	0.001	0.4					
PGAV	e Sg	06:35:31.68		HN							
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30-Jan	Ho	06:53:01.3									
	Lat	37.817°N									
	Lon	08.786°W									
	Região:	SE Sines									
	AxMax	6.9	AxMin	1.7	Ang	70					
Est	Fase	P h:m:s	Dur	Co	Amp	Per					
PNCL	e Pg	06:53:08.21		HZ	0.002	0.1					
	e Sg	06:53:13.04		HE							
MESJ	e Pg	06:53:09.71		HZ	0.001	0.1					
	e Sg	06:53:16.17		HE							
PCVE	e P	06:53:11.97		HZ	0.001	0.1					
	e S	06:53:21.10		HN							
PVAQ	e S	06:53:30.86		HE							
PMTG	e S	06:53:40.95		HE							
<hr/>											
30-Jan	Ho	11:00:23.2									
	Lat	36.499°N									
	Lon	06.988°W									
	Região:	Golfo de Cádiz									
	AxMax	4.4	AxMin	2.6	Ang	68					
Est	Fase	P h:m:s	Dur	Co	Amp	Per					
PBDV	e P	11:00:40.76		HZ	0.006	0.7					
	e S	11:00:53.30		HN							
PVAQ	e P	11:00:41.02		HZ							
	e S	11:00:53.97		HE							
PCVE	e P	11:00:45.68		HZ	0.003	0.3					
	e S	11:01:01.98		HE							

MORF	e S	11:01:05.61	HE	0.005	0.1	PBDV	e P	22:04:59.09	HZ		
PFVI	e S	11:01:06.10	HE				e S	22:05:42.66	HN		
MESJ	e P	11:00:48.87	HZ			PCVE	e P	22:05:03.35	HZ	0.003	0.6
	e S	11:01:07.60	HN				e S	22:05:50.60	HN		
PBAR	e P	11:00:49.20	HZ	0.002	1.0	PTEO	e P	22:05:09.46	EZ		
	e S	11:01:08.03	HE				e S	22:06:00.66	EN		
PTEO	e P	11:00:50.00	EZ	0.005	0.6	EVO	e P	22:05:10.40	HZ		
	e S	11:01:09.81	EN				e S	22:06:02.16	HE		
PNCL	e P	11:00:53.94	HZ	0.003	0.9	PNCL	e P	22:05:10.60	HZ	0.002	0.9
	e S	11:01:15.41	HE				e S	22:06:03.03	HE		
PESTR	e P	11:00:59.09	HZ			PMRV	e P	22:05:15.61	HZ		
PMTG	e P	11:01:03.97	HZ			PMTG	e P	22:05:17.41	HZ		
	e S	11:01:35.37	HE								
PMRV	e S	11:01:39.61	HN								

30-Jan Ho 14:23:52.8 Distante (NEIC) MW 5.5
Lat 15.850°S Lon 74.610°W Prof 34
Região: Near Coast of Peru

Est	Fase	P h:m:s	Dur	Co	Amp	Per
MORF	e P	14:36:08.64	BZ			
PTEO	e P	14:36:09.00	SZ	0.135	1.7	
PNCL	e P	14:36:10.24	BZ	0.061	1.8	
MESJ	e P	14:36:10.74	BZ			
PCVE	e P	14:36:11.13	BZ	0.111	1.8	
PBEJ	e P	14:36:12.45	SZ	0.084	1.9	
PMTG	e P	14:36:13.37	BZ	0.150	1.7	
PCAS	e P	14:36:14.67	BZ	0.067	1.8	
PESTR	e P	14:36:15.20	BZ	0.126	1.9	
COI	e P	14:36:16.08	BZ	0.196	1.7	
PBAR	e P	14:36:15.80	BZ	0.094	1.8	
PMRV	e P	14:36:16.72	BZ	0.032	1.9	
	e S	14:46:36.68	LE			
	e LR	15:04:23.96	LZ	1.533	20	
PCBR	e P	14:36:17.86	SZ	0.068	1.6	
PVIS	e P	14:36:17.98	BZ			
MTE	e P	14:36:18.50	BZ	0.075	1.4	
	e S	14:46:40.14	LE			
	e LR	15:05:20.38	LZ	1.573	20	
PGAV	e P	14:36:19.55	BZ	0.098	1.8	
	e S	14:46:41.90	LE			
	e SS	14:52:14.99	LN			
	e LR	15:05:34.70	LZ	1.503	20	
POLO	e P	14:36:19.85	BZ	0.036	1.5	
PVRL	e P	14:36:19.99	SZ	0.082	2.1	
MVO	e P	14:36:21.98	BZ	0.085	2.3	
	e S	14:46:46.28	LE			
	e LR	15:05:54.84	LZ	1.077	22	
PBRG	e P	14:36:24.38	BZ	0.074	1.6	

30-Jan Ho 19:24:26.0 Distante (IPMA) Prof 10
Lat 65.370°N Lon 16.550°W
Região: Iceland

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PGAV	e P	19:29:41.08	BZ	0.039	1.9	
	e S	19:33:55.19	LN			
	e LR	19:35:39.90	LZ	0.628	18	
POLO	e P	19:29:37.92	BZ	0.022	1.7	
PVRL	e P	19:29:38.71	SZ	0.044	1.8	
MVO	e P	19:29:40.83	BZ	0.030	1.9	
	e S	19:34:10.96	LN			
	e LR	19:36:12.14	LZ	0.386	18	
PVIS	e P	19:29:46.01	BZ			
MTE	e P	19:29:47.23	BZ	0.055	1.5	
	e S	19:34:25.46	LN			
	e LR	19:36:12.27	LZ	0.662	18	
PCBR	e P	19:29:54.06	SZ	0.037	1.5	
PMRV	e P	19:29:56.21	BZ	0.038	1.4	
	e LR	19:36:47.21	LZ	0.606	18	

30-Jan Ho 22:04:00.4 ML 2.1
Lat 35.435°N Lon 03.755°W Prof 0*
Região: NE Al Hoceima (MARR) Rms 0.4
AxMax 2.9 AxMin 2.6 Ang 56 ErrZ 0

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PVAQ	e P	22:04:58.25	HE			
	e S	22:05:40.39	HE			
PBAR	e P	22:04:59.07	HZ	0.002	0.7	
	e S	22:05:42.67	HE			

30-Jan

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PBAR	e S	22:06:59.10		HE		

30-Jan

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PBDV	e P	22:08:51.91		HZ		
	e S	22:09:35.64		HE		
PVAQ	e S	22:09:32.58		HE		
PBAR	e S	22:09:33.95		HE	0.001	0.9

30-Jan Ho 22:16:05.5 ML 2.6
Lat 35.453°N Lon 03.752°W Prof 3
Região: NE Al Hoceima (MARR) Rms 0.4
AxMax 3.2 AxMin 2.4 Ang 97 ErrZ 5

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PVAQ	e P	22:17:03.46		HE		
	e S	22:17:45.71		HE		
PBAR	e P	22:17:03.83		HZ	0.008	0.5
	e S	22:17:47.93		HE		
PBDV	e P	22:17:04.23		HZ	0.012	0.4
	e S	22:17:47.84		HN		
PCVE	e P	22:17:07.61		HZ	0.007	0.5
	e S	22:17:54.71		HE		
MESJ	e P	22:17:11.29		HZ	0.010	0.7
	e S	22:18:00.11		HN		
MORF	e P	22:17:12.66		HZ		
PFVI	e P	22:17:13.12		HZ	0.011	0.6
	e S	22:18:01.65		HE		
PTEO	e P	22:17:14.26		EZ	0.011	0.4
	e S	22:18:05.26		EE		
EVO	e P	22:17:14.92		HZ	0.008	0.4
	e S	22:18:06.25		HN		
PESTR	e P	22:17:15.58		HZ	0.005	0.5
	e S	22:18:08.46		HE		
PNCL	e P	22:17:15.20		HZ	0.007	0.4
	e S	22:18:08.15		HN		
PMRV	e P	22:17:19.57		HZ	0.004	0.4
	e S	22:18:16.05		HN		
PMTG	e P	22:17:21.42		HZ	0.004	0.3
	e S	22:18:18.06		HE		
PMAFR	e S	22:18:33.36		HE		
PSBE	e P	22:17:30.67		HZ		
	e S	22:18:34.13		HE		
MTE	e S	22:18:36.93		HN	0.005	0.6
PVIS	e S	22:18:45.37		HN	0.005	0.4
MVO	e P	22:17:38.35		HZ	0.004	0.4
	e S	22:18:48.15		HN		
PVRL	e P	22:17:42.50		SZ	0.005	0.5
	e S	22:18:56.58		SN		
POLO	e P	22:17:44.33		HZ	0.001	0.6
	e S	22:18:57.85		HE		
PBRG	e P	22:17:45.72		HZ		

30-Jan Ho 22:35:29.6 ML 1.8
Lat 35.553°N Lon 03.696°W Prof 0*
Região: Alboran Rms 0.4
AxMax 4.0 AxMin 2.4 Ang 45 ErrZ 0

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PVAQ	e P	22:36:27.71		HZ		
	e S	22:37:09.63		HN		
PBAR	e P	22:36:27.96		HZ		
	e S	22:37:10.90		HE		
PBDV	e P	22:36:27.84		HZ		

PNCL	e P	22:36:40.13	HZ			
	e S	22:37:33.29	HE			
31-Jan						
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp</i>	<i>Per</i>
MVO	e Pg	01:26:37.60		HZ	0.008	0.4
	e Sg	01:26:38.75		HN		
POLO	e S	01:26:58.63		HN		
PGAV	e S	01:27:17.67		HN		
31-Jan						
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp</i>	<i>Per</i>
MVO	e Pg	02:05:58.50		HZ	0.005	0.1
	e Sg	02:05:59.49		HE		
POLO	e S	02:06:21.69		HN		
31-Jan Ho 02:08:58.4 ML 1.3						
Lat 36.933°N Lon 05.282°W Prof 15						
Região: SE Sevilha (ESP) Rms 0.4						
AxMax 2.6 AxMin 2.4 Ang 55 ErrZ 4						
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp</i>	<i>Per</i>
PBAR	e Pn	02:09:28.65		HZ	0.002	0.8
	e Sg	02:09:56.43		HE		
PVAQ	e Pg	02:09:32.49		HN		
	e Sn	02:09:55.20		HN		
PBDV	e Pn	02:09:32.50		HZ		
	e Sn	02:09:57.87		HE		
PMRV	e Sn	02:10:19.11		HE		
31-Jan						
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp</i>	<i>Per</i>
PBDV	e Pn	02:21:27.86		HZ		
	e Sn	02:21:54.21		HN		
PBAR	e Pg	02:21:28.62		HZ	0.002	0.8
	e Sg	02:21:53.17		HN		
PVAQ	e Sn	02:21:50.74		HN		
PMRV	e Sn	02:22:13.78		HE		
31-Jan Ho 03:13:14.0 Distante (NEIC) MW 5.3						
Lat 06.980°S Lon 155.860°E Prof 82						
Região: Solomon Islands						
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp</i>	<i>Per</i>
PBRG	e PKP	03:32:33.03		BZ		
PGAV	e PKP	03:32:33.83		BZ		
MVO	e PKP	03:32:35.37		BZ		
POLO	e PKP	03:32:34.99		BZ		
PVRL	e PKP	03:32:36.05		SZ		
PTO	e PKP	03:32:38.24		SZ		
PVIS	e PKP	03:32:37.02		BZ		
MTE	e PKP	03:32:38.32		BZ		
PCBR	e PKP	03:32:39.56		SZ		
COI	e PKP	03:32:39.74		BZ		
PCAS	e PKP	03:32:40.01		BZ		
PMRV	e PKP	03:32:40.25		BZ		
PSBE	e PKP	03:32:41.92		BZ		
PESTR	e PKP	03:32:41.44		BZ		
PMTG	e PKP	03:32:42.03		BZ		
PBAR	e PKP	03:32:42.79		BZ		
EVO	e PKP	03:32:43.54		BZ		
PBEJ	e PKP	03:32:43.71		SZ		
PSES	e PKP	03:32:44.20		BZ		
PNCL	e PKP	03:32:45.55		BZ		
MESJ	e PKP	03:32:46.90		BZ		
PCVE	e PKP	03:32:46.89		BZ		
PVAQ	e PKP	03:32:47.21		BZ		
PTEO	e PKP	03:32:48.17		SZ		
MORF	e PKP	03:32:48.64		BZ		
31-Jan Ho 07:13:58.3 ML 1.0						
Lat 38.805°N Lon 09.303°W Prof 12						
Região: E Sintra Rms 0.3						
AxMax 4.7 AxMin 2.4 Ang 85 ErrZ 5						
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp</i>	<i>Per</i>
PMAFR	e Pg	07:14:01.46		HZ	0.016	0.6
	e Sg	07:14:04.46		HE		
PSES	e Sg	07:14:11.15		HE		
PMTG	e P	07:14:13.85		HZ	0.002	0.4
	e S	07:14:25.96		HN		

PNCL	e P	07:14:15.04	HZ			
	e S	07:14:27.33	HN			
EVO	e S	07:14:30.96	HE			
PESTR	e S	07:14:39.11	HN	0.002	0.4	
PMRV	e Pg	07:14:26.58	HZ			
31-Jan Ho 07:07:00.0 Distante (NEIC) MW 6.1						
Lat 36.540°N Lon 70.820°E Prof 191						
Região: Hindu Kush Region, Afghanistan						
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp</i>	<i>Per</i>
PBRG	i P	c 07:16:35.61		BZ	0.111	1.3
	e sP	07:17:42.47		BZ		
MVO	i P	c 07:16:38.84		BZ	0.174	1.3
	e sP	07:17:48.32		BZ		
	e S	07:24:35.29		LN		
PVRL	i P	c 07:16:42.08		SZ	0.137	1.8
POLO	i P	c 07:16:41.46		BZ	0.044	1.3
	e sP	07:17:50.46		BZ		
PGAV	i P	c 07:16:42.71		BZ	0.211	1.0
	e sP	07:17:48.34		BZ		
	e PP	07:18:59.71		LZ		
	e S	07:24:42.08		LN		
MTE	i P	c 07:16:43.94		BZ	0.318	1.2
	e sP	07:17:54.16		BZ		
	e PP	07:18:58.00		LZ		
	e S	07:24:43.23		LN		
PVIS	i P	c 07:16:44.45		BZ		
	e sP	07:17:54.29		BZ		
PCBR	i P	c 07:16:44.40		SZ	0.131	2.0
PMRV	i P	c 07:16:44.97		BZ	0.174	1.3
	e sP	07:17:51.27		BZ		
PTO	i P	c 07:16:46.85		SZ	0.131	1.3
PBAR	i P	c 07:16:47.09		BZ	0.326	1.1
	e PP	07:19:03.39		LZ		
PESTR	i P	c 07:16:47.99		BZ	0.225	1.2
	e sP	07:17:57.72		BZ		
COI	i P	c 07:16:48.21		BZ	0.360	1.3
	e PP	07:19:06.43		LZ		
PCAS	i P	c 07:16:48.96		BZ	0.130	1.2
	e sP	07:17:55.53		BZ		
PMTG	i P	c 07:16:50.46		BZ	0.110	1.6
	e sP	07:17:59.09		BZ		
EVO	i P	c 07:16:50.47		BZ	0.264	1.2
	e sP	07:17:59.72		BZ		
PBEJ	e P	c 07:16:51.49		SZ	0.184	1.2
	e sP	07:18:00.37		SZ		
PSBE	i P	c 07:16:52.04		BZ	0.368	1.2
	e sP	07:18:00.32		BZ		
PVAQ	e P	c 07:16:52.54		BZ	0.030	1.1
PCVE	e P	c 07:16:53.34		BZ		
	e sP	07:18:04.38		BZ		
	e PP	07:19:11.85		LZ		
MESJ	i P	c 07:16:53.82		BZ	0.252	1.2
	e sP	07:18:03.36		BZ		
PBDV	i P	c 07:16:54.50		BZ	0.349	1.0
	e PP	07:19:12.80		LZ		
PNCL	i P	c 07:16:54.89		BZ	0.189	1.3
	e PP	07:19:14.16		LZ		
PMAFR	i P	c 07:16:55.80		BZ	0.289	1.1
	e sP	07:18:05.94		BZ		
	e PP	07:19:16.36		LZ		
GGNV	e P	c 07:16:56.17		BZ	0.372	1.3
PSES	e P	c 07:16:56.65		BZ	0.587	1.3
PTEO	i P	c 07:16:57.29		SZ	0.363	1.3
PFVI	e P	c 07:16:58.85		BZ	0.354	1.4
PMPST	e P	c 07:17:45.53		BZ		
PMAR	e P	c 07:17:49.72		BZ	0.902	1.1
FUL	e P	07:17:49.90		EZ	0.381	1.1
PMOZ	i P	c 07:17:50.44		BZ	0.485	1.6
	e sP	07:19:01.43		BZ		
	e PP	07:20:32.01		LZ		
	e S	07:26:50.86		LN		

31-Jan	Ho	11:49:39.0	Distante (NEIC)	MW 5.6
	Lat	06.930°S	Lon 147.220°E	Prof 75
	Região: Eastern New Guinea Reg., P.N.G.			
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co Amp Per</i>
PBRG	e PKPdf	12:08:55.21	BZ	
MVO	e PKPdf	12:08:58.24	BZ	
POLO	e PKPdf	12:08:57.72	BZ	
PVIS	e PKPdf	12:08:56.67	BZ	
PCBR	e PKPdf	12:08:58.99	SZ	
PMRV	e PKPdf	12:08:59.67	BZ	
PBAR	e PKPdf	12:08:54.94	BZ	
EVO	e PKPdf	12:08:55.12	BZ	
PBEJ	e PKPdf	12:08:59.47	SZ	
MESJ	e PKPdf	12:08:57.97	BZ	
PCVE	e PKPdf	12:08:56.36	BZ	
PMAR	e PKPbc	12:09:23.06	BZ	
PMOZ	e PKPbc	12:09:23.42	BZ	

31-Jan	Ho	13:02:35.1	Distante (NEIC)	MW 2.1
	Lat	36.596°N	Lon 09.799°W	Prof 15
	Região: SW Cabo S.Vicente			
	AxMax	3.9	AxMin 3.0	Ang 45 ErrZ 4
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co Amp Per</i>
PFVI	i P	13:02:51.99	HZ	0.048 0.6
	e S	13:03:04.90	HE	
MORF	e P	13:02:55.12	HZ	0.032 0.1
	e S	13:03:10.25	HE	
PTEO	e P	13:02:56.71	EZ	0.013 0.2
	e S	13:03:13.27	EE	
PBDV	e P	13:03:01.67	HZ	0.011 0.6
	e S	13:03:22.06	HE	
PCVE	e P	13:03:03.46	HZ	0.011 0.3
	e S	13:03:24.64	HN	
MESJ	e P	13:03:03.48	HZ	0.009 0.2
	e S	13:03:24.80	HN	
PNCL	e P	13:03:04.09	HZ	0.005 0.1
	e S	13:03:26.08	HN	
PVAQ	e P	13:03:04.66	HN	
	e S	13:03:26.79	HE	
PSES	e P	13:03:05.17	HZ	0.018 0.8
	e S	13:03:28.19	HE	
PBEJ	e P	13:03:07.80	EZ	0.005 0.3
	e S	13:03:32.71	EE	
PMAFR	e P	13:03:11.76	HZ	0.045 0.2
	e S	13:03:39.78	HN	
EVO	e P	13:03:11.81	HZ	0.006 0.1
	e S	13:03:39.79	HE	
PBAR	e P	13:03:16.35	HZ	0.003 0.3
	e S	13:03:47.32	HN	
PMTG	e P	13:03:16.98	HZ	0.003 0.2
	e S	13:03:48.22	HE	
PESTR	e P	13:03:18.65	HZ	0.003 0.6
	e S	13:03:50.87	HE	
PSBE	e S	13:03:55.00	HN	
PMRV	e P	13:03:25.64	HZ	0.003 0.1
	e S	13:04:03.73	HE	
PCAS	e P	13:03:28.79	HZ	0.005 0.5
	e S	13:04:08.38	HN	
PCBR	e P	13:03:30.31	EZ	0.002 0.6
	e S	13:04:11.56	EE	
PVIS	e S	13:04:27.11	HE	0.003 0.1
MVO	e P	13:03:48.26	HZ	
PGAV	e P	13:03:54.80	HZ	

31-Jan	Ho	14:01:22.98	Distante (NEIC)	MB 5.3
	Lat	10.780°S	Lon 164.320°E	Prof 10
	Região: Santa Cruz Islands Region			
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co Amp Per</i>
PBAR	e Pg	14:01:22.98	HZ	0.007 0.6
	e Sn	14:01:49.29	HE	
	e Sg	14:02:01.37	HE	
PESTR	e Pg	14:01:32.43	HZ	0.006 0.7
	e Sn	14:02:02.33	HE	
	e Sg	14:02:20.15	HE	
PVAQ	e Sn	14:02:03.99	HN	
	e Sg	14:02:20.63	HE	
PMRV	e Sg	14:02:21.17	HN	0.008 0.6
PBDV	e Sg	14:02:27.14	HN	
PMTG	e Sg	14:02:37.04	HE	0.005 0.3
PNCL	e Sg	14:02:37.77	HE	

31-Jan	Ho	16:35:44.7	Distante (NEIC)	MW 2.0
	Lat	32.483°N	Lon 16.372°W	Prof 11*
	Região: SE Desertas (Madeira)			
	AxMax	12.8	AxMin 4.4	Ang 149 ErrZ 0
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co Amp Per</i>
FUL	e S	16:35:56.98	EN	0.104 0.1
PMAR	e P	16:35:53.24	HZ	0.106 0.2
	e S	16:35:58.42	H1	
PMPS	e P	16:35:52.89	SZ	0.041 0.3
	e S	16:35:59.39	SE	
PMPST	e P	16:35:53.43	HZ	0.060 0.4
	e S	16:36:00.77	HE	
PMSOL	e S	16:36:01.49	SN	0.046 0.1
PMOZ	e P	16:35:57.00	HZ	
	e S	16:36:04.97	HE	

31-Jan	Ho	16:37:06.0	Distante (NEIC)	MW 5.7
	Lat	07.230°N	Lon 79.630°W	Prof 10
	Região: South of Panama			
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co Amp Per</i>
PMOZ	e LR	17:07:04.44	LZ	0.967 20
PCAS	e P	16:48:26.46	BZ	0.095 1.7
PMTG	e P	16:48:25.01	BZ	0.036 1.4
PBDV	e P	16:48:25.94	BZ	0.076 1.8
EVO	e P	16:48:27.18	BZ	0.034 1.6
PVAQ	e S	16:57:50.48	LE	
PGAV	e S	16:57:54.99	LN	
	e LR	17:10:36.73	LZ	1.417 20
PVIS	e P	16:48:28.91	BZ	
PESTR	e P	16:48:29.38	BZ	0.066 1.5
POLO	e P	16:48:29.48	BZ	0.030 1.6
PCBR	e P	16:48:30.19	SZ	0.051 1.7
MTE	e S	16:57:50.58	LN	
	e LR	17:10:44.48	LZ	1.894 24
PMRV	e P	16:48:30.62	BZ	0.047 1.5
	e S	16:57:54.28	LE	
	e LR	17:10:31.76	LZ	0.964 24
PBAR	e P	16:48:32.31	BZ	0.047 1.9
MVO	e P	16:48:33.58	BZ	0.042 1.4
	e S	16:58:01.19	LN	
	e LR	17:10:43.13	LZ	1.544 22
PBRG	e P	16:48:35.14	BZ	0.036 1.6

31-Jan	Ho	18:25:56.0	Distante (IPMA)	Prof 10
	Lat	82.950°N	Lon 09.020°W	Prof 10
	Região: North of Svalbard			
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co Amp Per</i>
PGAV	e P	18:33:39.69	BZ	0.050 1.6
PBRG	e P	18:33:41.42	BZ	0.029 1.4
POLO	e P	18:33:44.41	BZ	0.019 2.2
MVO	e P	18:33:44.53	BZ	0.022 1.4
PVIS	e P	18:33:49.14	BZ	
MTE	e P	18:33:52.64	BZ	
PCBR	e P	18:33:56.74	SZ	0.056 1.6
PMRV	e P	18:33:59.56	BZ	0.035 1.5
PMTG	e P	18:34:00.09	BZ	0.034 1.7
PESTR	e P	18:34:04.05	BZ	0.035 1.6
PBAR	e P	18:34:09.27	BZ	0.033 1.9
PNCL	e P	18:34:10.43	BZ	0.056 1.8
PBEJ	e P	18:34:11.56	SZ	0.044 1.7
PBDV	e P	18:34:18.02	BZ	0.080 1.6

31-Jan	Ho	19:15:51.0	Distante (NEIC)	MB 5.3
	Lat	10.780°S	Lon 164.320°E	Prof 10
	Região: Santa Cruz Islands Region			
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co Amp Per</i>
PBRG	e PKP	19:35:43.42	BZ	
PGAV	e PKP	19:35:40.59	BZ	
POLO	e PKP	19:35:42.75	BZ	
MVO	e PKP	19:35:41.34	BZ	
PVRL	e PKP	19:35:42.55	SZ	
PVIS	e PKP	19:35:43.83	BZ	
MTE	e PKP	19:35:42.50	BZ	
COI	e PKP	19:35:39.89	BZ	
PCAS	e PKP	19:35:46.27	BZ	
PCBR	e PKP	19:35:43.84	SZ	
PMRV	e PKP	19:35:46.99	BZ	

PMTG e PKP 19:35:47.72 BZ
PESTR e PKP 19:35:42.32 BZ

31-Jan	Ho	20:01:46.0	Distante (NEIC)		MW	5.1
	Lat	56.460°N	Lon 149.060°W		Prof	10
Região: Gulf of Alaska						
Est	Fase	P	h:m:s	Dur	Co	Amp Per
PGAV	e P		20:13:36.14		BZ	0.037 1.2
PBRG	e P		20:13:39.32		BZ	0.037 1.2
POLO	e P		20:13:40.03		BZ	0.023 1.4
PTO	e P		20:13:40.21		SZ	0.056 1.3
PVRL	e P		20:13:41.01		SZ	0.057 1.4
MVO	e P		20:13:42.13		BZ	0.037 1.1
PVIS	e P		20:13:43.02		BZ	
COI	e P		20:13:45.53		BZ	0.057 1.3
MTE	e P		20:13:45.24		BZ	0.051 1.2
PCAS	e P		20:13:45.40		BZ	0.064 1.4
PCBR	e P		20:13:47.83		SZ	0.033 1.2
PMAFR	e P		20:13:49.91		BZ	0.152 1.2
PMTG	e P		20:13:50.20		BZ	0.027 1.0
PSES	e P		20:13:52.83		BZ	
PESTR	e P		20:13:53.06		BZ	0.020 1.7
EVO	e P		20:13:53.56		BZ	0.047 1.3
PNCL	e P		20:13:55.28		BZ	0.045 0.9
PBEJ	e P		20:13:57.08		SZ	0.032 1.3
MESJ	e P		20:13:57.00		BZ	0.068 1.8
PBAR	e P		20:13:57.00		BZ	0.049 1.6
PCVE	e P		20:13:58.36		BZ	
MORF	e P		20:13:59.06		BZ	
PVAQ	e P		20:14:00.71		BZ	
PBDV	e P		20:14:01.32		BZ	

31-Jan	Ho	23:13:21.0	Distante (NEIC)		MB 5.2	
	Lat	01.760°S	Lon 77.690°W		Prof 19	
Região: Ecuador						
Est	Fase	P h:m:s	Dur	Co	Amp	Per
PMPST	e P	23:24:13.75		BZ	0.419	1.9
PESTR	e P	23:25:05.91		BZ	0.027	1.3
PVIS	e P	23:25:06.99		BZ		
PCBR	e P	23:25:07.62		SZ	0.022	1.9
MVO	e P	23:25:12.50		BZ		

31-Jan	Ho	23:50:41.6	Lat 35.403°N		Lon 03.736°W		ML	2.4
			Região: NE Al Hoceima (MARR)		Prof 9*		Rms	0.4
			AxMax 4.2		AxMin 2.8		Ang	8
Est	Fase	P h:m:s	Dur	Co	Amp	Per		
PVAQ	e P	23:51:39.60		HE				
	e S	23:52:20.52		HE				
PBAR	e P	23:51:39.26		HZ	0.004	0.3		
	e S	23:52:22.78		HE				
PBDV	e P	23:51:39.74		HZ	0.006	0.8		
	e S	23:52:23.68		HN				
PCVE	e P	23:51:44.18		HZ	0.007	0.5		
	e S	23:52:31.42		HE				
PBEJ	e S	23:52:31.86		EE	0.004	0.9		
MESJ	e P	23:51:46.96		HZ	0.005	0.4		
	e S	23:52:35.53		HE				
MORF	e P	23:51:48.47		HZ	0.006	0.5		
	e S	23:52:37.20		HN				
PFVI	e S	23:52:38.03		HN	0.008	1.0		
PTEO	e S	23:52:40.75		EN				
EVO	e P	23:51:51.57		HZ	0.004	0.1		
	e S	23:52:41.86		HN				
PESTR	e S	23:52:42.83		HN				
PNCL	e P	23:51:51.31		HZ	0.002	0.5		
	e S	23:52:43.76		HN				
PMRV	e P	23:51:55.36		HZ				
	e S	23:52:51.69		HE				
PMTG	e P	23:51:58.97		HZ	0.003	0.5		
	e S	23:52:54.51		HN				

Nota- Hipocentros dos sismos distantes
determinados por:
NEIC - National Earthquake Information Center
(EUA)
IPMA - Instituto Portugues do Mar e da Atmosfera

CARTA DE EPICENTROS - Zona Ibérica e Atlântica Adjacente Janeiro 2018

