

**BOLETIM  
SISMOLÓGICO  
PRELIMINAR  
DO CONTINENTE E  
MADEIRA**

**Boletim Sismológico Preliminar do Continente e Madeira**  
Editado — 2022

© **Instituto Português do Mar e da Atmosfera, I.P.**  
Divisão de Geofísica  
Rua C - Aeroporto de Lisboa — 1749-077 LISBOA  
tel. +351 218 447 000 • fax. +351 218 218 402 370  
e-mail: [informacoes@ipma.pt](mailto:informacoes@ipma.pt)

Depósito Legal N.º 114 769/97



**INSTITUTO PORTUGUÊS DO MAR E DA ATMOSFERA, I.P.**

Ministério do Mar

Rua C - Aeroporto – 1749-077 Lisboa - Portugal

Telefax 218402370

Telefone: 218470000

e-mail: [informacoes@ipma.pt](mailto:informacoes@ipma.pt)

<http://www.ipma.pt>

**Divisão de Geofísica**

## **BOLETIM SISMOLÓGICO PRELIMINAR DO CONTINENTE E DA MADEIRA**

# **JANEIRO DE 2022**

### **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 ( $\mu\text{m}$ ) 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

<b>Estação</b>	<b>Local</b>	<b>Sensor/Dinam</b>	<b>Canais</b>	<b>Latitude</b>	<b>Longitude</b>	<b>Alt</b>	<b>Org</b>
AML01	Lisboa	TitanEA / 24bits	HN	38° 44.01'N	09° 10.61'W	182 m	IPMA
AML02	Lavradio	TitanEA / 24bits	HN	38° 39.87'N	09° 03.19'W	10 m	IPMA
AML03	Fanhões	TitanEA / 24bits	HN	38° 52.95'N	09° 09.18'W	180 m	IPMA
AML04	C.Tiro Alcochete	TitanEA / 24bits	HN	38° 46.60'N	08° 52.69'W	98 m	IPMA
AML05	Pragança	TitanEA / 24bits	HN	39° 10.71'N	09° 03.23'W	567 m	IPMA
COI	Coimbra	STS2 120s/ 24bits	HH,BH,LH	40° 12.48'N	08° 24.74'W	140 m	IGUC
EVO	Évora	STS2 120s/ 24bits	HH,BH,LH	38° 31.92'N	08° 00.78'W	235 m	UE
FUL	Funchal	LE3D-1s/ 20bits	SH	32° 38.86'N	16° 53.53'W	58 m	IPMA
GGNV	Lisboa	CMG-40T/ 16bits	BH	38° 42.99'N	09° 08.95'W	77 m	IGIDL
INMG	Lisboa	CMG-5T/ 24bits	HN	38° 46.46'N	09° 07.54'W	93 m	IPMA
MESJ	Messejana	STS2-120s/ 24bits	HH,BH	37° 50.37'N	08° 13.19'W	250 m	IGIDL
MOE	Montemor	TRILL 120s/ 24bits	HH,BH,LH	38° 32.11'N	08° 21.20'W	270 m	IPMA
		TitanEA / 24bits	HN				
MORF	Marmeleite	CMG-40T/ 24bits	HH,BH,LH	37° 18.38'N	08° 39.05'W	650 m	IGIDL
MTE	Manteigas	STS2.5 120s/24bits	HH,BH,LH	40° 24.20'N	07° 31.20'W	815 m	IPMA/GEOFON
MVO	Moncorvo	CMG-3T/ 24bits	HH,BH,LH	41° 09.87'N	07° 01.73'W	550 m	IPMA
		CMG-5T / 24bits	HN				
PALBU	Albufeira	AC-xx/ 22bits	HN	37° 05.75'N	08° 14.91'W	84 m	IST/IPMA
PALJ	Aljezur	TitanEA/ 24bits	HN	37° 19.10'N	08° 47.88'W	24 m	IPMA
PARRA	Arraiolos	STS2.5 120s/24bits	HH,BH;LH	38° 48.92'N	08° 02.41'W	261 m	IPMA
		Episensor / 24bits	HN				
PBAR	Barrancos	TRILL 120s/ 24bits	HH,BH,LH	38° 10.47'N	07° 02.34'W	205 m	IPMA
		TitanEA / 24bits	HN				
PBDV	Barranco do Velho	TRILL 120s/ 24bits	HH,BH,LH	37° 14.58'N	07° 55.87'W	471 m	IPMA
		TitanEA / 24bits	HN				
PBEJ	Beja	LE3D-5s/ 24bits	EH,SH	38° 01.58'N	07° 51.98'W	270 m	IPMA
		CMG-5Tc / 24bits	HN				
PBEN	Benavente	TitanEA / 24bits	HN	38° 56.97'N	08° 49.59'W	42 m	IPMA
PBRG	Bragança	CMG-3ESPC/24bits	HH,BH,LH	41° 48.29'N	06° 44.48'W	691 m	IPMA
		CMG-5T / 24bits	HN				
PCAB	Cabril	LE3D-5s/ 24bits	EH, SH	41° 42.61'N	08° 01.62'W	577 m	IPMA
PCAS	Casmilo	CMG-3T/ 24bits	HH,BH,LH	40° 03.17'N	08° 29.90'W	343 m	IPMA
		CMG-5T / 24bits	HN				
PCASC	Cascais	AC-xx/22bits	HN	38° 46.36'N	09° 29.14'W	229 m	IST/IPMA
PCBR	Castelo Branco	LE3D-5s/ 24bits	EH,SH	39° 50.42'N	07° 28.65'W	380 m	IPMA
		CMG-5Tc / 24bits	HN				
PCDRA	Caldas da Rainha	AC-xx/22 bits	HN	39° 24.61'N	09° 08.19'W	56 m	IST/IPMA
PCVE	Castro Verde	TRILL120s/ 24bits	HH,BH,LH	37° 37.97'N	08°02.34 'W	225 m	IPMA
		TitanEA / 24bits	HN				
PESTR	Estremoz	TRILL120s/ 24bits	HH,BH,LH	38° 52.03'N	07° 35.41'W	410 m	IPMA
		TitanEA / 24bits	HN				
PFARO	Faro	AC-xx/ 22bits	HN	37° 01.55'N	07° 55.34'W	18 m	IST/IPMA

PFVI	Vila do Bispo	TRILL120s / 24bits TitanEA / 24bits	HH,BH,LH HN	37° 07.97'N	08° 49.61'W	189 m	IPMA
PGAV	Gavieira	CMG-3ESPc/24bits CMG-5T / 24bits	HH,BH,LH HN	41° 57.92'N	08°16.19 'W	1084 m	IPMA
PLAGO	Lagos	AC-xx/ 22bits	HN	37° 05.75'N	08° 41.27'W	50 m	IST/IPMA
PLOUS	Minas do Lousal	TRILL120s / 24bits	HH,BH,LH	38° 01.89'N	08° 25.27'W	55 m	IPMA
PMAFR	Tapada de Mafra	STS2/ 24bits Episensor / 24bits	HH,BH,LH HN	38° 57.32'N	09° 16.96'W	329 m	IPMA
PMAR	Madeira	CMG-3T/ 24bits	HH,BH,LH	32° 43.42'N	16° 54.82'W	1605 m	IPMA
PMOZ	Porto Moniz	CMG-3ESPc/ 24bits	HH,BH,LH	32° 49.38'N	17° 11.83'W	1027 m	IPMA
PMPs	Porto Santo	RBshake-2s/ 24bits	EHZ, EN	33° 03.42'N	16° 19.98'W	47 m	IPMA
PMRV	Marvão	TriHoriz120s/24bits TitanEA / 24bits	HH,BH,LH HN	39° 25.70'N	07° 23.50'W	430 m	IPMA
PMTG	Montargil	TRILL120s/ 24bits TitanEA / 24bits	HH,BH,LH HN	39° 04.14'N	08°13.52 'W	190 m	IPMA
POLO	Lamas de Olo	CMG-3ESPc/24bits CMG-5T / 24bits	HH,BH,LH HN	41° 22.43'N	07°47.25 'W	1060 m	IPMA
PPOR	Portimão	TitanEA/ 24bits	HN	37° 07.99'N	08° 32.01'W	3 m	IPMA
PSANT	Santarém	AC-xx/ 22bits	HN	39° 14.53'N	08° 41.57'W	131 m	IST/IPMA
PSARD	Sardoal	TRILL 120s/ 24bits CMG-5T / 24bits	HH,BH,LH HN	39° 36.02'N	08° 09.74'W	422 m	IPMA
PSBE	São Bento	CMG-3ESPc/24bits	HH,BH,LH	39° 30.85'N	08° 47.73'W	510 m	IPMA
PSETU	Setúbal	AC-xx/ 22bits	HN	38° 32.23'N	08° 52.01'W	48 m	IST/IPMA
PSINE	Sines	AC-xx/22bits	HN	37° 57.48'N	08° 51.75'W	50 m	IST/IPMA
PSVI	Sagres	AC-xx/ 22bits	HN	37° 00.72'N	08° 56.98'W	61 m	IST/IPMA
PTAV	Tavira	TitanEA/ 24bits	HN	37° 07.51'N	07° 39.28'W	25 m	IPMA
PTEO	São Teotónio	TRILL120s/ 24bits TitanEA / 24bits	HH,BH,LH HN	37° 32.73'N	08° 43.45'W	119 m	IPMA
PTO	Porto	LE3D-5s/ 24bits	EH,SH	41° 08.31'N	08° 36.13'W	88 m	IPMA
PVAQ	Vaqueiros	TRILL120s/ 24bits TitanEA / 24bits	HH,BH,LH HN	37° 24.22'N	07°43.04 'W	200 m	IPMA
PVERD	Verdizela	AC-xx/ 22bits	HN	38° 34.94'N	09° 09.38'W	71 m	IST/IPMA
PVIS	Viseu	LE3D-5s/ 24bits	EH,SH	40° 42.94'N	07° 53.68'W	720 m	IPMA
PVRL	Vila Real	LE3D-5s/ 20bits	SH	41° 16.53'N	07° 42.97'W	660 m	IPMA

**Sensores:** LE3D - Lennartz LE3D, 1 e 5 seg; AC-xx - Geosig; CMG-5T - Guralp 5T; CMG-5Tc - Guralp 5T compact; CMG-40T - Guralp CMG-40T, 30 seg; STS2 - Streckheisen STS-2, 120 seg; STS2.5 - Streckheisen STS-2.5, 120 seg; CMG-3T - Guralp CMG-3T, 120 seg; CMG-3ESPc - Guralp CMG-3ESP Compact, 120 seg; TRILL 120s - Nanometrics Trillium 120QA; TitanEA - Nanometrics Titan EA; Rbshake - RaspBerry Shake 2s; TriHoriz - Nanometrics Trillium Horizon, 120seg;

**Dinam:** Dinâmica do registo

**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-motion;  
c - componentes (Z-Vertical; \* - Vertical, Norte - Sul e Este - Oeste)

IPMA - Instituto Português do Mar e da Atmosfera; IDL - Instituto Dom Luiz, Universidade de Lisboa; IGUC - Instituto Geofísico da Universidade de Coimbra; 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
01-01-2022	01:50:59.7	31.403°N	06.772°W	5	2.5 ml	Morocco	0.4	
01-01-2022	08:02:14.3	35.460°N	03.536°W	26	2.5 ml	NE Al Hoceima (MARR)	0.5	
01-01-2022	11:15:34.1	35.202°N	03.923°W	3	2.1 ml	S Al Hoceima (MARR)	0.4	
01-01-2022	14:28:44.1	36.268°N	03.811°W	9	2.0 ml	Alboran	0.4	
01-01-2022	16:57:04.4	35.483°N	03.533°W	21	2.2 ml	NE Al Hoceima (MARR)	0.4	
01-01-2022	21:03:50.8	36.311°N	07.654°W	15	4.4 ml	Golfo de Cádiz	0.5	IV
02-01-2022	02:37:36.5	35.502°N	03.619°W	3	2.1 ml	Alboran	0.5	
02-01-2022	03:15:11.3	37.074°N	08.639°W	3*	0.4 ml	SE Lagos	0.3	
02-01-2022	06:26:43.7	35.469°N	03.631°W	13	1.7 ml	NE Al Hoceima (MARR)	0.4	
02-01-2022	07:15:20.4	36.619°N	07.250°W	15	1.4 ml	Golfo de Cádiz	0.3	
02-01-2022	07:38:01.7	35.460°N	03.639°W	14	2.6 ml	NE Al Hoceima (MARR)	0.5	
02-01-2022	07:36:24.4	35.509°N	03.508°W	30	1.8 ml	Alboran	0.5	
02-01-2022	11:28:24.1	38.672°N	08.420°W	5*-0.1 ml		E Vendas Novas	0.5	
02-01-2022	14:43:27.5	37.311°N	09.165°W	28	1.2 ml	W Aljezur	0.3	
02-01-2022	14:52:09.7	35.238°N	05.357°W	33	1.7 ml	S Tetuan (MARR)	0.5	
02-01-2022	18:15:43.7	35.487°N	03.611°W	14	2.2 ml	NE Al Hoceima (MARR)	0.5	
02-01-2022	22:56:13.2	36.300°N	08.925°W	8	1.1 ml	S Cabo S.Vicente	0.3	
02-01-2022	23:50:40.5	34.260°N	14.460°W	5	2.2 ml	NE Porto Santo (Madeira)	0.4	
03-01-2022	00:38:53.8	42.708°N	07.696°W	0	1.0 ml	SW Lugo (ESP)	0.5	
03-01-2022	03:24:59.5	36.603°N	07.244°W	19	0.9 ml	Golfo de Cádiz	0.4	
03-01-2022	04:43:12.6	37.130°N	08.609°W	17	0.6 ml	W Portimão	0.3	
03-01-2022	06:59:09.0	35.464°N	03.541°W	27	1.7 ml	NE Al Hoceima (MARR)	0.4	
03-01-2022	07:29:56.2	42.607°N	09.053°W	2	1.5 ml	Costa da Galiza (ESP)	0.3	
03-01-2022	08:48:28.5	36.409°N	09.166°W	11	1.4 ml	SW Cabo S.Vicente	0.3	
03-01-2022	10:23:43.9	35.522°N	03.615°W	22	2.2 ml	Alboran	0.6	
03-01-2022	11:29:57.2	36.982°N	05.573°W	19	1.7 ml	SE Sevilha (ESP)	0.4	
03-01-2022	12:20:05.3	36.666°N	09.672°W	15	1.0 ml	SW Cabo S.Vicente	0.3	
03-01-2022	17:16:10.7	35.559°N	03.511°W	27	1.6 ml	Alboran	0.5	
03-01-2022	21:24:29.3	37.022°N	05.594°W	0	1.3 ml	SE Sevilha (ESP)	0.6	
04-01-2022	00:02:01.1	36.010°N	10.830°W	34*	2.0 ml	Gorringe	0.4	
04-01-2022	04:07:39.9	35.957°N	04.262°W	11*	1.6 ml	Alboran	0.6	
04-01-2022	15:39:42.4	40.126°N	08.162°W	14*	1.2 ml	SW Góis	0.3	
04-01-2022	15:46:31.8	36.464°N	07.720°W	13	1.9 ml	Golfo de Cádiz	0.4	
04-01-2022	16:14:43.1	36.455°N	07.591°W	36*	1.8 ml	Golfo de Cádiz	0.4	
04-01-2022	18:39:33.2	36.567°N	07.526°W	15	2.1 ml	Golfo de Cádiz	0.4	
04-01-2022	19:28:36.0	38.254°N	07.883°W	2*	1.1 ml	NW Vidigueira	0.3	
04-01-2022	23:24:41.2	39.475°N	09.212°W	11	1.7 ml	NW Caldas da Rainha	0.4	
05-01-2022	00:00:54.4	35.521°N	03.744°W	0*	2.2 ml	Alboran	0.5	
05-01-2022	01:18:00.7	36.831°N	10.923°W	25*	1.7 ml	Gorringe	0.3	
05-01-2022	02:49:43.1	35.504°N	03.595°W	19	3.1 ml	Alboran	0.5	
05-01-2022	08:58:00.9	35.516°N	03.630°W	12*	2.2 ml	Alboran	0.5	
05-01-2022	09:11:53.0	35.531°N	03.604°W	17	3.4 ml	Alboran	0.5	
05-01-2022	10:19:00.7	36.832°N	03.703°W	1*	2.9 ml	SW Granada (ESP)	0.5	
06-01-2022	00:30:13.9	42.816°N	07.211°W	0*	1.4 ml	SE Lugo (ESP)	0.4	
06-01-2022	01:25:06.9	36.469°N	09.654°W	31	2.3 ml	SW Cabo S.Vicente	0.3	
06-01-2022	02:32:45.5	42.136°N	07.478°W	4*	0.9 ml	SE Ourense (ESP)	0.3	
06-01-2022	05:18:27.6	37.310°N	08.573°W	2*	0.4 ml	SW Monchique	0.4	
06-01-2022	05:24:05.8	35.470°N	03.635°W	17	2.3 ml	NE Al Hoceima (MARR)	0.4	
06-01-2022	06:28:31.9	35.510°N	03.649°W	10	2.0 ml	Alboran	0.4	
06-01-2022	07:15:43.2	39.533°N	08.931°W	10	0.7 ml	SE Alcobaça	0.4	
06-01-2022	07:46:28.0	42.447°N	07.166°W	4*	1.0 ml	E Ourense (ESP)	0.4	
06-01-2022	09:08:32.9	35.479°N	03.597°W	22	2.2 ml	NE Al Hoceima (MARR)	0.5	
06-01-2022	16:13:01.8	36.578°N	07.983°W	27	1.2 ml	Golfo de Cádiz	0.3	
06-01-2022	22:06:55.1	35.580°N	03.741°W	2*	2.1 ml	Alboran	0.5	
07-01-2022	02:07:34.0	39.572°N	09.003°W	10	0.4 ml	NW Alcobaça	0.3	
07-01-2022	02:43:29.9	35.558°N	03.584°W	7	1.8 ml	Alboran	0.5	
07-01-2022	03:30:55.6	38.319°N	01.336°W	11	2.5 ml	NW Murcia (ESP)	0.5	
07-01-2022	03:39:15.8	35.179°N	03.917°W	6	1.8 ml	S Al Hoceima (MARR)	0.5	
07-01-2022	04:50:21.3	36.539°N	05.018°W	24	1.8 ml	NE Gibraltar (ESP)	0.5	
07-01-2022	07:11:28.2	36.717°N	07.536°W	23	1.5 ml	Golfo de Cádiz	0.3	
07-01-2022	07:13:07.8	37.129°N	03.152°W	0	2.6 ml	E Granada (ESP)	0.4	
07-01-2022	09:16:30.9	42.222°N	08.050°W	15	1.6 ml	SW Ourense (ESP)	0.4	
07-01-2022	12:36:01.8	35.521°N	03.732°W	4	2.2 ml	Alboran	0.5	
07-01-2022	16:22:07.0	35.500°N	03.649°W	12	2.4 ml	Alboran	0.6	
07-01-2022	20:22:28.1	38.776°N	07.971°W	10	0.3 ml	NE Arraiolos	0.2	

07-01-2022	20:30:36.8	36.098°N	09.925°W	32*	1.7 ml	SW Cabo S.Vicente	0.3
08-01-2022	01:31:38.2	38.435°N	07.807°W	8	0.8 ml	NW Portel	0.3
08-01-2022	01:50:43.8	34.966°N	04.431°W	31	2.0 ml	SW Al Hoceima (MARR)	0.4
08-01-2022	03:34:25.1	38.465°N	08.157°W	6	1.0 ml	SE Montemor-o-Novo	0.4
08-01-2022	03:51:47.2	36.540°N	04.559°W	87	1.5 ml	SW Malaga (ESP)	0.4
08-01-2022	04:20:02.6	38.801°N	08.112°W	10	0.5 ml	NW Arraiolos	0.2
08-01-2022	05:29:25.0	38.386°N	09.302°W	11	1.4 ml	SW Sesimbra	0.3
08-01-2022	16:31:24.7	35.569°N	03.615°W	22	2.4 ml	Alboran	0.5
08-01-2022	20:36:00.0	32.271°N	16.992°W	5*	2.4 ml	S Câmara de Lobos (Mdra)	0.6
09-01-2022	00:27:22.1	36.774°N	09.657°W	22	1.8 ml	SW Cabo S.Vicente	0.3
09-01-2022	01:48:14.6	39.603°N	08.774°W	14	0.6 ml	NE Porto de Mós	0.2
09-01-2022	02:15:27.1	37.305°N	08.648°W	11	0.9 ml	W Monchique	0.2
09-01-2022	04:04:26.7	35.464°N	03.557°W	23	2.0 ml	NE Al Hoceima (MARR)	0.4
09-01-2022	04:52:46.9	35.471°N	03.574°W	20	2.0 ml	NE Al Hoceima (MARR)	0.4
09-01-2022	05:22:51.6	35.506°N	03.657°W	12	2.0 ml	Alboran	0.4
09-01-2022	09:21:05.1	36.518°N	09.819°W	14	1.6 ml	SW Cabo S.Vicente	0.3
09-01-2022	09:50:56.8	38.032°N	08.733°W	0	1.5 ml	NW Santiago do Cacém	0.3
09-01-2022	13:14:21.9	36.189°N	07.392°W	0*	1.5 ml	Golfo de Cádiz	0.4
09-01-2022	19:06:39.0	35.536°N	03.665°W	3	1.6 ml	Alboran	0.5
09-01-2022	19:53:24.4	37.864°N	03.246°W	5	2.3 ml	NW Almeria (ESP)	0.4
10-01-2022	01:20:56.9	37.109°N	07.631°W	24	0.7 ml	SE Tavira	0.3
10-01-2022	02:55:27.9	36.716°N	07.424°W	19	1.2 ml	Golfo de Cádiz	0.3
10-01-2022	03:37:25.7	38.815°N	09.674°W	11	1.2 ml	W Sintra	0.2
10-01-2022	04:10:43.8	35.466°N	03.641°W	16	2.5 ml	NE Al Hoceima (MARR)	0.5
10-01-2022	05:02:58.9	38.372°N	08.164°W	6	1.2 ml	NW Viana do Alentejo	0.3
10-01-2022	05:42:24.5	38.819°N	08.025°W	10	0.7 ml	NW Arraiolos	0.2
10-01-2022	16:59:51.2	37.864°N	08.331°W	3*	1.1 ml	W Aljustrel	0.4
10-01-2022	19:13:30.5	42.154°N	08.528°W	19	0.6 ml	NW Monção	0.1
10-01-2022	21:27:51.9	41.726°N	07.447°W	2*	0.9 ml	SE Chaves	0.3
10-01-2022	22:54:45.2	36.646°N	07.705°W	19	1.0 ml	Golfo de Cádiz	0.4
10-01-2022	23:22:49.7	35.494°N	03.672°W	4*	2.1 ml	NE Al Hoceima (MARR)	0.4
11-01-2022	00:46:38.1	36.521°N	04.673°W	57	1.8 ml	SW Malaga (ESP)	0.5
11-01-2022	00:48:15.4	36.924°N	08.595°W	26	1.2 ml	SE Lagos	0.3
11-01-2022	01:02:16.5	35.406°N	03.575°W	18*	2.0 ml	NE Al Hoceima (MARR)	0.5
11-01-2022	01:22:59.9	36.501°N	07.967°W	25	1.3 ml	Golfo de Cádiz	0.4
11-01-2022	01:29:16.8	42.224°N	08.359°W	20	1.0 ml	NW Melgaço	0.4
11-01-2022	03:15:52.3	35.440°N	03.573°W	21*	1.9 ml	NE Al Hoceima (MARR)	0.4
11-01-2022	06:14:37.6	38.800°N	08.100°W	12	2.0 ml	NW Arraiolos	0.5
11-01-2022	10:11:56.0	37.204°N	08.698°W	4*	1.4 ml	N Lagos	0.3
11-01-2022	12:22:02.4	35.831°N	10.183°W	35*	2.1 ml	Mar de Marrocos	0.4
11-01-2022	14:07:48.4	38.578°N	08.014°W	14	0.8 ml	W Evora	0.2
11-01-2022	14:23:14.8	38.799°N	08.116°W	16	0.5 ml	NW Arraiolos	0.2
11-01-2022	22:13:07.6	36.456°N	11.204°W	29*	1.7 ml	Gorringe	0.4
12-01-2022	00:55:26.9	36.698°N	09.657°W	22	1.5 ml	SW Cabo S.Vicente	0.4
12-01-2022	01:47:48.5	38.307°N	09.264°W	13	1.2 ml	SW Sesimbra	0.3
12-01-2022	03:13:26.3	36.693°N	07.835°W	3	1.2 ml	Golfo de Cádiz	0.3
12-01-2022	07:03:16.2	37.267°N	04.437°W	17	1.7 ml	N Malaga (ESP)	0.4
12-01-2022	13:18:35.9	35.536°N	03.636°W	4*	2.2 ml	Alboran	0.4
12-01-2022	13:52:23.7	35.524°N	03.597°W	31*	2.6 ml	Alboran	0.5
12-01-2022	18:25:22.3	35.225°N	04.640°W	22	2.2 ml	W Al Hoceima (MARR)	0.4
12-01-2022	23:16:29.8	36.900°N	08.620°W	26	1.1 ml	SE Lagos	0.2
12-01-2022	23:49:20.4	35.492°N	03.828°W	11*	1.9 ml	NE Al Hoceima (MARR)	0.4
13-01-2022	00:06:55.8	37.135°N	07.952°W	18	1.6 ml	SW S.Brás de Alportel	0.3
13-01-2022	03:00:10.7	35.497°N	03.643°W	15	2.0 ml	NE Al Hoceima (MARR)	0.5
13-01-2022	11:19:31.9	35.460°N	03.692°W	3*	2.6 ml	NE Al Hoceima (MARR)	0.5
13-01-2022	14:44:29.3	35.491°N	03.691°W	4*	2.2 ml	NE Al Hoceima (MARR)	0.5
13-01-2022	20:54:25.1	38.800°N	07.947°W	7	0.7 ml	NE Arraiolos	0.2
13-01-2022	23:51:37.5	36.516°N	11.162°W	26	1.7 ml	Gorringe	0.4
14-01-2022	00:11:46.7	36.272°N	09.269°W	3*	2.2 ml	SW Cabo S.Vicente	0.4
14-01-2022	01:30:53.4	35.138°N	05.635°W	16	2.1 ml	SW Tetuan (MARR)	0.2
14-01-2022	07:15:12.2	36.614°N	07.703°W	22	1.5 ml	Golfo de Cádiz	0.2
14-01-2022	11:28:36.9	37.268°N	03.376°W	4	3.1 ml	NE Granada (ESP)	0.4
14-01-2022	18:28:14.0	35.924°N	10.214°W	29	2.1 ml	Mar de Marrocos	0.4
14-01-2022	20:26:52.1	37.779°N	04.640°W	14	1.5 ml	SE Cordova (ESP)	0.5
14-01-2022	20:49:27.8	35.510°N	03.602°W	6*	-	Alboran	0.4
15-01-2022	02:49:35.4	35.431°N	03.600°W	12	1.9 ml	NE Al Hoceima (MARR)	0.4
15-01-2022	03:04:45.6	36.741°N	07.460°W	22	1.6 ml	Golfo de Cádiz	0.4
15-01-2022	04:38:17.4	36.437°N	11.275°W	31*	1.5 ml	Gorringe	0.4
15-01-2022	06:16:27.7	38.344°N	01.838°W	19	2.3 ml	S Albacete (ESP)	0.4
15-01-2022	08:09:18.5	36.934°N	13.631°W	15*	2.5 ml	Josephine	0.4
15-01-2022	11:24:05.7	35.484°N	03.598°W	10*	2.1 ml	NE Al Hoceima (MARR)	0.4

15-01-2022	12:33:47.0	35.498°N	03.599°W	10*	2.0 ml	NE Al Hoceima (MARR)	0.5	
15-01-2022	16:09:38.3	35.460°N	03.554°W	22	2.4 ml	NE Al Hoceima (MARR)	0.4	
15-01-2022	21:22:34.9	36.568°N	07.470°W	12	1.1 ml	Golfo de Cádiz	0.4	
15-01-2022	21:42:04.5	34.273°N	16.185°W	10*	2.2 ml	N Porto Santo (Madeira)	0.0	
15-01-2022	22:05:08.8	36.561°N	08.071°W	26	1.3 ml	SW Faro	0.3	
15-01-2022	23:11:58.5	38.642°N	08.246°W	19	0.0 ml	W Montemor-o-Novo	0.3	
16-01-2022	01:41:20.2	35.504°N	03.618°W	12	1.6 ml	Alboran	0.5	
16-01-2022	02:51:57.2	38.847°N	12.871°W	10*	-	Abissal do Tejo	0.4	
16-01-2022	06:26:40.5	37.356°N	08.739°W	0	0.9 ml	NE Aljezur	0.4	
16-01-2022	07:29:41.1	35.444°N	03.717°W	4	1.8 ml	NE Al Hoceima (MARR)	0.5	
16-01-2022	10:59:45.3	35.885°N	10.086°W	9*	1.7 ml	Mar de Marrocos	0.3	
16-01-2022	11:09:56.3	42.270°N	08.489°W	17	1.0 ml	E Vigo (ESP)	0.4	
16-01-2022	12:54:36.7	38.778°N	07.996°W	10	0.4 ml	N Arraiolos	0.3	
16-01-2022	13:04:59.3	36.293°N	09.907°W	26	1.5 ml	SW Cabo S.Vicente	0.4	
16-01-2022	13:18:35.7	42.321°N	08.192°W	5	1.1 ml	NE Melgaço	0.3	
16-01-2022	14:36:50.6	42.200°N	08.413°W	26	1.4 ml	NE Monção	0.4	
16-01-2022	19:35:19.3	37.789°N	12.079°W	30*	1.3 ml	Abissal do Tejo	0.5	
16-01-2022	22:29:46.2	37.160°N	08.575°W	18	0.4 ml	NW Portimão	0.1	
16-01-2022	22:42:57.2	35.903°N	10.783°W	30*	1.3 ml	Mar de Marrocos	0.5	
17-01-2022	03:30:27.3	36.834°N	08.331°W	13	0.7 ml	SW Albufeira	0.4	
17-01-2022	08:38:28.1	36.512°N	07.708°W	18	1.7 ml	Golfo de Cádiz	0.4	
17-01-2022	09:29:25.8	42.209°N	08.373°W	24	1.2 ml	NW Melgaço	0.2	
17-01-2022	10:51:07.5	35.881°N	05.214°W	0	2.0 ml	E Ceuta	0.4	
17-01-2022	11:56:57.1	42.230°N	08.356°W	20	1.2 ml	NW Melgaço	0.2	
17-01-2022	19:33:41.2	41.892°N	07.179°W	0	0.6 ml	NW Vinhais	0.2	
17-01-2022	20:08:18.1	42.227°N	08.377°W	20	1.0 ml	NW Melgaço	0.3	
18-01-2022	00:02:24.3	42.223°N	08.360°W	21	1.7 ml	NW Melgaço	0.4	
18-01-2022	00:40:41.0	36.655°N	11.334°W	31*	1.8 ml	Gorringe	0.4	
18-01-2022	02:36:36.7	36.444°N	05.760°W	31	2.3 ml	SE Jerez de La Frontera	0.4	
18-01-2022	02:44:16.1	42.224°N	08.364°W	20	1.2 ml	NW Melgaço	0.3	
18-01-2022	03:18:27.9	42.229°N	08.354°W	22	1.2 ml	NW Melgaço	0.3	
18-01-2022	03:38:26.8	36.655°N	11.505°W	31*	1.7 ml	Gorringe	0.4	
18-01-2022	04:12:03.4	37.380°N	06.512°W	6	1.7 ml	NE Huelva (ESP)	0.4	
18-01-2022	06:10:47.2	42.232°N	08.352°W	20	0.9 ml	NW Melgaço	0.3	
18-01-2022	07:05:56.5	35.440°N	03.592°W	15*	2.0 ml	NE Al Hoceima (MARR)	0.5	
18-01-2022	07:13:44.3	35.432°N	03.622°W	10*	1.9 ml	NE Al Hoceima (MARR)	0.4	
18-01-2022	07:19:45.0	35.424°N	03.676°W	5	2.1 ml	NE Al Hoceima (MARR)	0.4	
18-01-2022	07:33:16.3	42.225°N	08.357°W	15	2.6 ml	NW Melgaço	0.4	III
18-01-2022	07:37:58.8	42.225°N	08.366°W	20	1.5 ml	NW Melgaço	0.2	
18-01-2022	10:28:13.8	35.304°N	11.270°W	33	2.1 ml	Horseshoe-Ampère	0.3	
18-01-2022	12:21:18.9	42.226°N	08.383°W	22	1.4 ml	NW Melgaço	0.3	
18-01-2022	12:39:49.3	38.335°N	03.369°W	11	2.1 ml	NW Almeria (ESP)	0.3	
18-01-2022	13:45:21.3	26.907°N	14.313°W	31*	4.0 ml	Western Sahara	0.5	
18-01-2022	15:22:45.1	42.223°N	08.379°W	23	1.2 ml	NW Melgaço	0.3	
18-01-2022	15:35:41.7	42.231°N	08.357°W	14	0.9 ml	NW Melgaço	0.3	
18-01-2022	17:13:53.0	42.230°N	08.359°W	20	1.5 ml	NW Melgaço	0.2	
18-01-2022	22:04:06.6	42.241°N	08.340°W	10	0.8 ml	NW Melgaço	0.3	
19-01-2022	01:04:19.0	42.232°N	08.376°W	20	1.0 ml	NW Melgaço	0.3	
19-01-2022	01:10:33.8	37.678°N	17.078°W	10*	2.5 ml	Madeira-Tore	0.3	
19-01-2022	01:33:22.5	42.166°N	08.478°W	19	0.7 ml	N Monção	0.2	
19-01-2022	02:57:05.0	42.238°N	08.342°W	9	0.8 ml	NW Melgaço	0.3	
19-01-2022	03:24:50.4	42.232°N	08.373°W	20	1.2 ml	NW Melgaço	0.4	
19-01-2022	03:54:05.5	42.167°N	08.510°W	17	0.8 ml	N Monção	0.2	
19-01-2022	04:41:36.4	42.227°N	08.362°W	18	0.9 ml	NW Melgaço	0.3	
19-01-2022	05:14:20.3	38.709°N	07.847°W	17	0.2 ml	E Arraiolos	0.0	
19-01-2022	05:27:56.3	35.460°N	03.677°W	18	2.2 ml	NE Al Hoceima (MARR)	0.4	
19-01-2022	08:14:56.7	42.232°N	08.343°W	19	2.0 ml	NW Melgaço	0.4	
19-01-2022	09:06:47.5	37.349°N	09.101°W	30	0.9 ml	W Aljezur	0.3	
19-01-2022	16:52:58.8	42.228°N	08.357°W	20	1.1 ml	NW Melgaço	0.3	
19-01-2022	17:29:53.2	36.561°N	09.776°W	14	1.6 ml	SW Cabo S.Vicente	0.4	
19-01-2022	17:48:02.1	42.228°N	08.362°W	18	1.9 ml	NW Melgaço	0.4	
19-01-2022	18:01:38.4	35.012°N	11.747°W	10*	1.9 ml	Horseshoe-Ampère	0.3	
19-01-2022	19:17:10.1	36.189°N	06.071°W	1*	1.3 ml	Golfo de Cádiz	0.4	
19-01-2022	19:23:40.1	36.216°N	07.717°W	14	1.9 ml	Golfo de Cádiz	0.5	
19-01-2022	20:24:21.2	37.219°N	08.589°W	18	0.7 ml	NW Portimão	0.3	
19-01-2022	21:15:08.2	36.949°N	05.301°W	12	1.4 ml	SE Sevilha (ESP)	0.4	
19-01-2022	22:32:06.5	40.462°N	08.543°W	11	1.5 ml	SW Oliveira do Bairro	0.4	
19-01-2022	23:22:09.5	42.231°N	08.348°W	14*	0.5 ml	NW Melgaço	0.2	
20-01-2022	00:01:05.2	35.529°N	06.875°W	26	1.6 ml	Costa de Marrocos	0.4	
20-01-2022	01:04:06.5	37.223°N	07.477°W	3*	0.7 ml	NW Castro Marim	0.3	
20-01-2022	01:20:52.1	37.320°N	08.638°W	10	0.2 ml	W Monchique	0.4	



20-01-2022	03:09:06.8	35.421°N	03.593°W	8*	1.7 ml	NE Al Hoceima (MARR)	0.5	
20-01-2022	05:48:54.7	42.168°N	08.400°W	16	0.8 ml	NW Melgaço	0.3	
20-01-2022	06:57:45.6	37.357°N	08.455°W	2*	0.5 ml	NE Monchique	0.5	
20-01-2022	09:54:29.7	35.462°N	03.570°W	21	2.3 ml	NE Al Hoceima (MARR)	0.5	
20-01-2022	10:10:45.6	42.237°N	08.348°W	19	1.4 ml	NW Melgaço	0.3	
20-01-2022	11:17:48.9	35.594°N	09.629°W	26*	1.7 ml	Mar de Marrocos	0.3	
20-01-2022	12:07:02.1	35.516°N	03.627°W	19	2.1 ml	Alboran	0.5	
20-01-2022	12:10:45.3	42.229°N	08.347°W	23	2.4 ml	NW Melgaço	0.4	
20-01-2022	16:52:09.0	43.387°N	06.771°W	36*	1.8 ml	W Oviedo (ESP)	0.3	
20-01-2022	23:32:57.2	42.213°N	08.373°W	22	1.1 ml	NW Melgaço	0.2	
21-01-2022	01:08:14.0	36.258°N	07.974°W	15	0.9 ml	Golfo de Cádiz	0.4	
21-01-2022	05:05:19.5	42.952°N	05.579°W	19	2.3 ml	N León (ESP)	0.5	
21-01-2022	14:53:27.3	37.784°N	04.644°W	11	1.8 ml	SE Cordova (ESP)	0.4	
21-01-2022	21:09:39.4	41.300°N	07.774°W	0	0.6 ml	W Vila Real	0.3	
21-01-2022	22:01:07.9	34.081°N	03.718°W	0	2.3 ml	E Fez (Marr)	0.5	
22-01-2022	07:22:34.6	37.467°N	09.773°W	11	1.3 ml	NW Cabo S.Vicente	0.3	
22-01-2022	14:06:37.1	42.233°N	08.325°W	17	1.4 ml	NW Melgaço	0.5	
22-01-2022	16:09:11.8	42.232°N	08.356°W	22*	1.8 ml	NW Melgaço	0.5	
22-01-2022	21:01:15.5	36.451°N	07.426°W	7	1.4 ml	Golfo de Cádiz	0.5	
22-01-2022	21:25:20.1	42.209°N	08.380°W	22*	1.1 ml	NW Melgaço	0.4	
22-01-2022	21:44:12.3	37.320°N	08.571°W	9	0.4 ml	NW Monchique	0.3	
23-01-2022	01:58:56.6	42.236°N	08.376°W	23	2.8 ml	NW Melgaço	0.3	III
23-01-2022	10:09:26.3	37.665°N	02.601°W	16	1.6 ml	NW Almeria (ESP)	0.4	
23-01-2022	11:44:04.8	38.400°N	07.960°W	0	1.0 ml	NE Viana do Alentejo	0.3	
23-01-2022	12:34:00.6	41.419°N	07.550°W	5	1.6 ml	SE Vila Pouca de Aguiar	0.3	
23-01-2022	12:36:43.0	41.379°N	07.567°W	13	0.8 ml	N Sabrosa	0.3	
23-01-2022	13:09:15.1	38.404°N	07.954°W	7	0.7 ml	NE Viana do Alentejo	0.1	
23-01-2022	13:12:08.1	35.474°N	03.642°W	21	2.9 ml	NE Al Hoceima (MARR)	0.5	
23-01-2022	13:15:32.5	35.635°N	04.542°W	88	2.1 ml	Alboran	0.4	
23-01-2022	16:31:48.6	35.436°N	03.562°W	29	2.5 ml	NE Al Hoceima (MARR)	0.5	
23-01-2022	20:44:21.8	36.493°N	09.777°W	15	1.4 ml	SW Cabo S.Vicente	0.3	
23-01-2022	20:47:15.5	42.230°N	08.352°W	19	1.0 ml	NW Melgaço	0.3	
23-01-2022	21:11:34.3	42.813°N	06.796°W	11	1.8 ml	SE Lugo (ESP)	0.4	
23-01-2022	22:10:16.7	36.459°N	09.855°W	30	1.5 ml	SW Cabo S.Vicente	0.3	
24-01-2022	00:39:55.3	36.740°N	07.468°W	26	1.2 ml	Golfo de Cádiz	0.3	
24-01-2022	02:13:52.5	41.421°N	07.551°W	0	0.9 ml	SE Vila Pouca de Aguiar	0.4	
24-01-2022	02:43:00.3	36.756°N	07.322°W	21	1.1 ml	Golfo de Cádiz	0.4	
24-01-2022	02:52:20.8	42.132°N	07.504°W	1*	0.8 ml	SE Ourense (ESP)	0.5	
24-01-2022	03:00:34.9	42.238°N	08.365°W	20	0.8 ml	NW Melgaço	0.3	
24-01-2022	07:11:39.5	33.113°N	04.165°W	18	3.3 ml	SE Fez (Marr)	0.5	
24-01-2022	16:02:41.6	35.598°N	03.791°W	6*	1.9 ml	Alboran	0.4	
24-01-2022	16:49:55.9	35.519°N	03.728°W	9*	1.8 ml	Alboran	0.5	
24-01-2022	22:47:49.1	41.926°N	07.012°W	6*	0.7 ml	N Vinhais	0.2	
25-01-2022	00:30:55.4	38.489°N	08.025°W	10	0.2 ml	SW Evora	0.2	
25-01-2022	04:01:29.6	37.299°N	08.546°W	11	1.0 ml	SE Monchique	0.4	
25-01-2022	04:39:44.9	42.236°N	08.365°W	20	0.9 ml	NW Melgaço	0.3	
25-01-2022	05:53:16.4	36.414°N	09.731°W	39*	2.1 ml	SW Cabo S.Vicente	0.4	
25-01-2022	06:21:13.0	36.997°N	08.872°W	28	0.9 ml	SE Vila do Bispo	0.2	
25-01-2022	07:32:02.5	36.041°N	08.538°W	38*	1.8 ml	SE Cabo S.Vicente	0.3	
25-01-2022	11:35:42.8	37.348°N	08.472°W	6*	1.7 ml	NE Monchique	0.5	
25-01-2022	11:36:50.0	37.326°N	08.487°W	11	0.9 ml	E Monchique	0.3	
25-01-2022	16:59:41.6	36.515°N	08.423°W	11	2.6 ml	SW Albufeira	0.4	
25-01-2022	19:04:01.9	35.541°N	03.609°W	21	2.5 ml	Alboran	0.4	
25-01-2022	22:13:11.0	36.473°N	07.867°W	21	1.3 ml	Golfo de Cádiz	0.3	
25-01-2022	22:35:48.2	42.190°N	08.402°W	16*	0.5 ml	NW Melgaço	0.0	
25-01-2022	22:49:18.5	42.156°N	08.498°W	19	0.4 ml	N Monção	0.1	
26-01-2022	00:22:47.6	36.732°N	07.517°W	0	0.9 ml	Golfo de Cádiz	0.4	
26-01-2022	00:25:22.7	37.319°N	08.546°W	13	0.8 ml	NE Monchique	0.4	
26-01-2022	01:52:45.0	36.640°N	07.400°W	21	1.2 ml	Golfo de Cádiz	0.5	
26-01-2022	05:27:51.8	43.092°N	00.543°W	5	2.4 ml	Pirenéus (ESP)	0.5	
26-01-2022	06:49:28.8	36.306°N	08.882°W	11	1.3 ml	S Cabo S.Vicente	0.5	
26-01-2022	09:01:24.1	36.711°N	05.756°W	16	2.2 ml	NE Cádiz (ESP)	0.5	
26-01-2022	14:08:54.8	35.499°N	03.620°W	21	2.3 ml	NE Al Hoceima (MARR)	0.5	
26-01-2022	16:30:05.0	42.153°N	08.407°W	25	1.1 ml	NE Monção	0.5	
26-01-2022	16:44:59.2	38.587°N	07.731°W	12	1.9 ml	E Evora	0.4	
26-01-2022	18:44:57.7	37.114°N	09.177°W	30	0.9 ml	NW Cabo S.Vicente	0.1	
26-01-2022	18:45:08.7	43.655°N	06.191°W	24	2.0 ml	NW Oviedo (ESP)	0.4	
26-01-2022	20:34:36.0	36.916°N	10.149°W	5	1.8 ml	Gorringe	0.3	
26-01-2022	21:28:44.6	43.113°N	00.694°W	20	2.4 ml	Pirenéus (ESP)	0.5	
26-01-2022	21:37:42.4	36.180°N	08.557°W	31	1.5 ml	SE Cabo S.Vicente	0.4	
26-01-2022	23:40:02.7	35.420°N	03.828°W	0	1.5 ml	NE Al Hoceima (MARR)	0.3	

Boletim Sismológico Preliminar do Continente e Madeira  
Janeiro 2022

27-01-2022	02:34:41.1	41.938°N	08.775°W	19	1.3 ml	W Vila Nova de Cerveira	0.3	
27-01-2022	03:12:38.5	39.105°N	07.449°W	2*	0.6 ml	NW Monforte	0.4	
27-01-2022	04:07:32.8	37.301°N	08.554°W	18	1.0 ml	SE Monchique	0.3	
27-01-2022	04:22:31.7	33.150°N	05.419°W	10	2.4 ml	SW Fez (Marr)	0.4	
27-01-2022	10:28:54.4	39.232°N	00.653°W	13	2.9 ml	SW Valência (ESP)	0.4	
27-01-2022	10:34:47.9	39.224°N	00.688°W	7	2.7 ml	SW Valência (ESP)	0.4	
27-01-2022	13:57:43.6	42.497°N	09.351°W	2*	3.2 ml	Costa da Galiza (ESP)	0.5	
27-01-2022	14:44:10.0	42.477°N	09.418°W	2*	4.0 ml	Costa da Galiza (ESP)	0.4	III
27-01-2022	14:58:12.5	42.562°N	09.338°W	2*	1.8 ml	Costa da Galiza (ESP)	0.4	
27-01-2022	22:43:11.2	35.459°N	03.575°W	30	2.9 ml	NE Al Hoceima (MARR)	0.4	
27-01-2022	22:51:37.5	35.464°N	03.603°W	20	2.1 ml	NE Al Hoceima (MARR)	0.5	
28-01-2022	02:20:01.5	35.513°N	03.625°W	14	2.0 ml	Alboran	0.3	
28-01-2022	03:34:53.4	36.949°N	10.127°W	7*	1.5 ml	Gorringe	0.3	
28-01-2022	04:09:44.8	33.124°N	04.062°W	12	2.2 ml	SE Fez (Marr)	0.3	
28-01-2022	14:21:19.3	42.203°N	08.375°W	24	1.7 ml	NW Melgaço	0.3	
28-01-2022	22:10:56.9	35.483°N	03.581°W	20	2.0 ml	NE Al Hoceima (MARR)	0.4	
29-01-2022	00:33:51.0	37.075°N	08.022°W	16	1.1 ml	S Loulé	0.3	
29-01-2022	00:54:52.3	36.179°N	05.718°W	31*	1.7 ml	W Gibraltar	0.3	
29-01-2022	06:14:49.7	36.974°N	13.748°W	31*	2.1 ml	Josephine	0.4	
29-01-2022	06:40:43.0	36.362°N	11.249°W	31*	1.9 ml	Gorringe	0.4	
29-01-2022	08:41:13.5	42.464°N	08.142°W	14	2.6 ml	NW Ourense (ESP)	0.4	
29-01-2022	08:44:44.3	42.467°N	08.138°W	12	1.8 ml	NW Ourense (ESP)	0.3	
29-01-2022	10:19:36.8	39.538°N	08.874°W	9	1.4 ml	SW Porto de Mós	0.3	
29-01-2022	13:09:23.6	37.371°N	08.454°W	0	1.0 ml	NE Monchique	0.4	
29-01-2022	14:47:37.6	35.456°N	03.626°W	13	2.0 ml	NE Al Hoceima (MARR)	0.4	
29-01-2022	16:54:50.5	38.838°N	08.928°W	0	1.5 ml	NE Alcochete	0.4	
29-01-2022	22:02:08.1	35.518°N	03.615°W	25	2.0 ml	Alboran	0.4	
30-01-2022	01:01:02.2	42.233°N	08.363°W	20	1.8 ml	NW Melgaço	0.4	
30-01-2022	01:10:41.1	42.229°N	08.373°W	19	1.3 ml	NW Melgaço	0.4	
30-01-2022	05:03:47.7	35.134°N	11.323°W	32	-	Horseshoe-Ampère	0.5	
30-01-2022	05:56:24.7	38.718°N	08.284°W	0	1.2 ml	NW Montemor-o-Novo	0.3	
30-01-2022	10:38:33.7	37.195°N	08.569°W	11	0.7 ml	NW Portimão	0.2	
30-01-2022	15:40:19.5	35.498°N	03.670°W	0	2.2 ml	NE Al Hoceima (MARR)	0.4	
30-01-2022	17:26:14.1	36.519°N	09.880°W	9	1.6 ml	SW Cabo S.Vicente	0.3	
30-01-2022	18:22:05.1	36.021°N	06.941°W	31	1.2 ml	Golfo de Cádiz	0.4	
30-01-2022	18:36:06.9	38.217°N	08.318°W	5	0.5 ml	NE Grândola	0.3	
30-01-2022	20:40:09.5	41.619°N	16.301°W	10*	1.9 ml	Abissal Ibérica	0.4	
30-01-2022	21:18:59.9	38.164°N	08.166°W	3*	0.7 ml	NW Ferreira do Alentejo	0.3	
31-01-2022	03:20:46.0	36.382°N	08.149°W	16	0.9 ml	SW Faro	0.4	
31-01-2022	03:54:38.1	37.042°N	05.316°W	15	1.8 ml	SE Sevilha (ESP)	0.5	
31-01-2022	03:59:57.8	30.071°N	07.748°W	16*	2.6 ml	Morocco	0.4	
31-01-2022	04:59:40.3	38.325°N	09.355°W	30	1.5 ml	SW Sesimbra	0.4	
31-01-2022	05:15:39.0	36.577°N	13.199°W	19*	1.8 ml	Josephine	0.2	
31-01-2022	06:03:13.0	36.372°N	07.626°W	11	2.3 ml	Golfo de Cádiz	0.5	
31-01-2022	10:16:49.5	36.538°N	11.212°W	33*	1.7 ml	Gorringe	0.4	
31-01-2022	14:27:52.3	35.397°N	03.675°W	20*	1.9 ml	NE Al Hoceima (MARR)	0.3	
31-01-2022	15:52:21.3	38.945°N	08.728°W	1	1.1 ml	SE Benavente	0.2	
31-01-2022	16:16:29.6	38.752°N	07.831°W	9	0.7 ml	NE Arraiolos	0.3	
31-01-2022	23:49:36.4	41.757°N	08.514°W	13	1.2 ml	E Ponte de Lima	0.3	

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>	e Sn	01:53:32.07	HE		
PVAQ	e P	00:21:19.62		HZ			IAML	01:53:35.63	HZ	0.004	0.1
	e S	00:22:03.38		H1			PVAQ e Pn	01:52:28.22	HZ		
PBAR	e P	00:21:19.78		HZ			e Sn	01:53:32.58	H2		
PBDV	e P	00:21:20.66		HZ			IAML	01:53:38.32	HZ	0.004	0.4
PARRA	e P	00:21:33.93		HZ			PMONC e Sn	01:53:35.48	H1		
							MORF e Pn	01:52:29.52	HZ		
							e Sn	01:53:34.71	HE		
01-Jan	Ho	01:50:59.7			ML 2.5		IAML	01:53:42.51	HZ	0.006	0.5
	Lat	31.403°N	Lon	06.772°W	Prof 5		PCVE e Pn	01:52:31.60	HZ		
	Região:	Morocco			Rms 0.4		e Sn	01:53:39.59	HN		
	AxMax	10.0	AxMin	7.6	Ang 84	ErrZ 18	IAML	01:53:42.12	HZ	0.003	0.4
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp</i>	<i>Per</i>	PTEO e Pn	01:52:32.97	HZ		
PBDV	e Pn	01:52:28.48		HZ			e Sn	01:53:40.15	HN		
	e Sn	01:53:29.78		HE			MESJ e Pn	01:52:35.96	HZ		
	IAML	01:53:41.82		HZ	0.004	0.6	e Sn	01:53:45.15	HN		
PFVI	e Pn	01:52:27.67		HZ			IAML	01:54:00.08	HZ	0.003	0.7

PBEJ	e Sn	01:53:47.90	EE			IAML	08:04:56.29	HZ	0.004	0.6
	IAML	01:53:53.05	EZ	0.002	0.4	PMTG	e P	08:03:30.08	HZ	
PLOUS	e Pn	01:52:37.90	HZ				e S	08:04:26.27	HE	
	e Sn	01:53:49.50	HE				IAML	08:04:43.71	HZ	0.003 0.4
	IAML	01:53:58.80	HZ	0.003	0.6	PCBR	e P	08:03:32.98	EZ	
PBAR	e Pn	01:52:37.87	HZ				e S	08:04:30.74	EE	
	e Sn	01:53:50.43	HE				IAML	08:04:32.97	EZ	0.002 0.4
	IAML	01:54:08.21	HZ	0.002	0.6	PSARD	e P	08:04:34.77	HZ	
EVO	e Pn	01:52:44.55	HZ				e S	08:04:33.16	HE	
	e Sn	01:54:00.74	HN				IAML	08:04:39.17	HZ	0.010 0.2
	IAML	01:54:03.45	HZ	0.003	0.5	PMAFR	e P	08:03:39.85	HZ	
MOE	e Pn	01:52:44.98	HZ				e S	08:04:40.75	HN	
	e Sn	01:54:01.50	HN			PSBE	e P	08:03:38.72	HZ	
	IAML	01:54:07.99	HZ	0.003	0.7		e S	08:04:41.46	HN	
PARRA	e Pn	01:52:48.10	HZ			MTE	e P	08:03:39.79	HZ	
	e Sn	01:54:07.58	HE				e S	08:04:43.02	HE	
	IAML	01:54:08.43	HZ	0.002	0.5		IAML	08:05:24.30	HZ	0.005 0.5
PESTR	e Pn	01:52:49.08	HZ			PCAS	e P	08:03:41.76	HZ	
	e Sn	01:54:07.45	HE				e S	08:04:46.89	HE	
PMTG	e Pn	01:52:52.14	HZ				IAML	08:05:22.15	HZ	0.003 0.5
	e Sn	01:54:14.55	HE			PVIS	e P	08:03:45.58	HZ	
PMRV	e Pn	01:52:55.74	HZ				e S	08:04:52.35	HN	
	e Sn	01:54:20.90	HN			MVO	e P	08:03:46.45	HZ	
PSARD	e Pn	01:52:59.39	HZ				e S	08:04:53.91	HN	
	e Sn	01:54:28.19	HE			PVRL	e P	08:03:50.87	EZ	
							e S	08:05:01.86	EN	
							IAML	08:05:06.04	EZ	0.005 0.1
						PBRG	e P	08:03:53.27	HZ	
							e S	08:05:07.53	HN	
							IAML	08:05:09.68	HZ	0.002 0.7

**01-Jan Ho 08:02:14.3 ML 2.5**  
**Lat 35.460°N Lon 03.536°W Prof 26**  
**Região: NE Al Hoceima (MARR) Rms 0.5**  
**AxMax 4.0 AxMin 3.6 Ang 133 ErrZ 10**

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PVAQ	e P	08:03:11.29		HZ		
	e S	08:03:53.82		H1		
	IAML	08:03:56.04		HZ	0.011	0.2
PBAR	e P	08:03:11.50		HZ		
	e S	08:03:53.85		HE		
	IAML	08:04:00.59		HZ	0.006	0.4
PBDV	e P	08:03:12.25		HZ		
	e S	08:03:55.64		HE		
	IAML	08:03:59.83		HZ	0.006	0.5
PCVE	e P	08:03:16.38		HZ		
	e S	08:04:02.95		HE		
	IAML	08:04:08.06		HZ	0.006	0.3
PBEJ	e P	08:03:18.02		EZ		
	e S	08:04:05.09		EE		
	IAML	08:04:06.42		EZ	0.003	0.3
PMONC	e P	08:03:19.23		HZ		
	e S	08:04:07.97		H1		
	IAML	08:04:11.09		HZ	0.019	0.2
MESJ	e P	08:03:19.76		HZ		
	e S	08:04:07.89		HN		
	IAML	08:04:16.56		HZ	0.006	0.3
MORF	e P	08:03:20.40		HZ		
	e S	08:04:10.66		HN		
	IAML	08:04:14.92		HZ	0.005	0.1
PFVI	e P	08:03:22.16		HZ		
	e S	08:04:10.91		HN		
	IAML	08:04:34.78		HZ	0.008	0.6
PTEO	e P	08:03:22.36		HZ		
	e S	08:04:13.34		HE		
	IAML	08:04:17.05		HZ	0.008	0.3
PLOUS	e P	08:03:22.17		HZ		
	e S	08:04:14.28		HN		
	IAML	08:04:20.81		HZ	0.004	0.3
PESTR	e P	08:03:23.24		HZ		
	e S	08:04:13.22		HN		
	IAML	08:04:42.46		HZ	0.004	0.5
EVO	e P	08:03:23.30		HZ		
	e S	08:04:13.63		HN		
	IAML	08:04:15.09		HZ	0.005	0.7
PARRA	e P	08:03:25.53		HZ		
	e S	08:04:18.67		HN		
	IAML	08:04:34.28		HZ	0.004	0.4
MOE	e P	08:03:27.01		HZ		
	e S	08:04:19.59		HN		
	IAML	08:04:36.53		HZ	0.006	0.3
PMRV	e P	08:03:27.67		HZ		
	e S	08:04:21.53		HN		

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PVAQ	e P	08:05:53.05		HZ		
	e S	08:06:36.61		H2		
	IAML	08:06:40.30		HZ	0.002	0.8
PBAR	e S	08:06:36.77		HN		
	IAML	08:06:39.87		HZ	0.001	0.8

**01-Jan Ho 11:15:34.1 ML 2.1**  
**Lat 35.202°N Lon 03.923°W Prof 3**  
**Região: S Al Hoceima (MARR) Rms 0.4**  
**AxMax 3.7 AxMin 3.4 Ang 108 ErrZ 7**

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PVAQ	e P	11:16:31.74		HZ		
	e S	11:17:14.70		H2		
	IAML	11:17:16.66		HZ	0.004	0.3
PBDV	e P	11:16:32.81		HZ		
	e S	11:17:16.70		HN		
	IAML	11:17:29.47		HZ	0.003	0.6
PBAR	e P	11:16:33.74		HZ		
	e S	11:17:18.67		HE		
	IAML	11:17:18.93		HZ	0.002	0.7
PCVE	e P	11:16:37.95		HZ		
	e S	11:17:24.29		HE		
	IAML	11:17:26.45		HZ	0.002	0.5
MESJ	e S	11:17:29.38		HN		
	IAML	11:17:32.03		HZ	0.003	0.4
PLOUS	e P	11:16:45.11		HZ		
	e S	11:17:35.65		HE		
	IAML	11:17:41.39		HZ	0.002	0.6
EVO	e P	11:16:44.92		HZ		
	e S	11:17:36.58		HN		
PESTR	e P	11:16:44.98		HZ		
	e S	11:17:37.87		HE		
	IAML	11:17:50.01		HZ	0.002	0.6
PARRA	e P	11:16:47.76		HZ		
	e S	11:17:41.86		HE		
	IAML	11:17:44.80		HZ	0.001	0.4
PMRV	e P	11:16:50.18		HZ		
PMTG	e P	11:16:51.55		HZ		
	e S	11:17:50.94		HE		
PSBE	e P	11:17:00.63		HZ		

01-Jan Ho 13:15:25.3 Distante (NEIC) Mw 5.2							01-Jan Ho 14:28:44.1 ML 2.0									
Lat 36.590°N Lon 71.178°E Prof 232							Lat 36.268°N Lon 03.811°W Prof 9									
Região: Afghanistan-Tajikistan Bord Reg.							Região: Alboran									
Est	Fase	P h:m:s	Dur	Co	Amp	Per	AxMax	2.7	AxMin	2.6	Ang	17	Rms	0.4	ErrZ	6
PBRG	e P	13:24:57.94		BZ			Est	Fase	P h:m:s		Dur	Co	Amp	Per		
	I Amb	13:24:59.25		BZ	0.043	1.6	PBAR	e P	14:29:34.15			HZ				
MVO	e P	13:25:01.20		BZ				e S	14:30:10.28			HE				
	I Amb	13:25:02.41		BZ	0.111	1.2		IAML	14:30:25.63			HZ	0.002	0.8		
PVRL	e P	13:25:04.35		SZ			PVAQ	e P	14:29:35.78			HZ				
	I Amb	13:25:06.01		SZ	0.055	1.3		e S	14:30:12.67			H1				
POLO	e P	13:25:04.42		BZ				IAML	14:30:17.53			HZ	0.003	0.8		
PCAB	e P	13:25:04.71		SZ			PBDV	e P	14:29:36.57			HZ				
	I Amb	13:25:05.83		SZ	0.164	1.1		e S	14:30:15.92			HN				
PGAV	e P	13:25:05.05		BZ				IAML	14:30:17.60			HZ	0.004	0.9		
	I Amb	13:25:06.25		BZ	0.105	1.4	PCVE	e S	14:30:21.41			HN				
MTE	e P	13:25:06.28		BZ				IAML	14:30:29.81			HZ	0.002	0.4		
	I Amb	13:25:07.20		BZ	0.140	1.0	MESJ	e P	14:29:43.73			HZ				
PVIS	e P	13:25:06.71		BZ				e S	14:30:26.43			HE				
PCBR	e P	13:25:07.64		SZ				IAML	14:30:28.73			HZ	0.002	0.6		
	I Amb	13:25:08.33		SZ	0.057	1.2	PESTR	e P	14:29:44.69			HZ				
PMRV	e P	13:25:07.62		BZ				e S	14:30:28.73			HN				
	I Amb	13:25:09.54		BZ	0.077	1.7		IAML	14:30:32.70			HZ	0.003	0.7		
PTO	e P	13:25:08.63		SZ			MORF	e S	14:30:30.87			HN				
	I Amb	13:25:09.83		SZ	0.098	1.4	EVO	e P	14:29:45.27			HZ				
PBAR	e P	13:25:09.33		BZ				e S	14:30:31.00			HE				
	I Amb	13:25:10.77		BZ	0.125	1.2		IAML	14:30:31.78			HZ	0.004	0.4		
PESTR	e P	13:25:09.77		BZ			PLOUS	e P	14:29:46.21			HZ				
	I Amb	13:25:11.19		BZ	0.076	1.1		e S	14:30:32.32			HE				
COI	e P	13:25:10.51		BZ				IAML	14:30:33.59			HZ	0.003	0.6		
	I Amb	13:25:11.69		BZ	0.190	1.0	PARRA	e P	14:29:48.51			HZ				
PSARD	e P	13:25:10.92		BZ				e S	14:30:34.45			HN				
	I Amb	13:25:12.37		BZ	0.075	0.8		IAML	14:30:42.36			HZ	0.002	0.5		
PCAS	e P	13:25:11.24		BZ			PMRV	e P	14:29:48.41			HZ				
	I Amb	13:25:12.51		BZ	0.070	1.5		e S	14:30:35.58			HE				
PARRA	e P	13:25:12.38		BZ				IAML	14:30:37.30			HZ	0.002	0.7		
	I Amb	13:25:13.48		BZ	0.041	1.1	MOE	e P	14:29:51.33			HZ				
PMTG	e P	13:25:12.42		BZ				e S	14:30:36.29			HE				
	I Amb	13:25:14.39		BZ	0.045	1.2		IAML	14:30:37.53			HZ	0.005	0.5		
EVO	e P	13:25:13.21		BZ			PMTG	e P	14:29:51.48			HZ				
	I Amb	13:25:15.04		BZ	0.098	1.7		e S	14:30:41.26			HN				
PBEJ	e P	13:25:13.91		SZ			PCBR	e P	14:29:53.17			EZ				
	I Amb	13:25:15.10		SZ	0.063	1.2	PSARD	e P	14:29:55.70			HZ				
PSBE	e P	13:25:14.54		BZ				e S	14:30:47.91			HN				
	I Amb	13:25:15.19		BZ	0.152	0.9		IAML	14:30:48.60			HZ	0.004	0.6		
MOE	e P	13:25:14.94		BZ			PSBE	e P	14:30:00.53			HZ				
	I Amb	13:25:16.26		BZ	0.126	1.2		e S	14:30:56.05			HN				
PVAQ	e P	13:25:14.74		BZ			01-Jan Ho 16:57:04.4 ML 2.2									
	I Amb	13:25:16.06		BZ	0.103	1.2	Lat 35.483°N Lon 03.533°W Prof 21									
PCVE	e P	13:25:15.79		BZ			Região: NE Al Hoceima (MARR) Rms 0.4									
	I Amb	13:25:17.65		BZ	0.063	1.7	AxMax 5.5 AxMin 3.4 Ang 108 ErrZ 7									
MESJ	e P	13:25:16.24		BZ			Est	Fase	P h:m:s		Dur	Co	Amp	Per		
	I Amb	13:25:17.51		BZ	0.096	1.0	PVAQ	e P	16:58:01.75			HZ				
PBDV	e P	13:25:16.84		BZ				e S	16:58:42.46			H2				
	I Amb	13:25:17.93		BZ	0.129	1.0		IAML	16:58:48.68			HZ	0.003	0.6		
PLOUS	e P	13:25:16.84		BZ			PBAR	e P	16:58:02.37			HZ				
	I Amb	13:25:18.75		BZ	0.120	1.5		e S	16:58:43.45			HE				
PMAFR	e P	13:25:18.32		BZ				IAML	16:58:53.96			HZ	0.003	0.7		
GGNV	e P	13:25:18.25		BZ			PBDV	e P	16:58:03.70			HZ				
	I Amb	13:25:19.36		BZ	0.221	1.1		e S	16:58:45.78			HN				
PAZOI	e P	13:25:19.67		BZ				IAML	16:58:49.64			HZ	0.003	0.8		
	I Amb	13:25:36.51		BZ	0.088	1.8	PCVE	e P	16:58:08.59			HZ				
PTEO	e P	13:25:19.56		BZ				e S	16:58:50.96			HN				
	I Amb	13:25:20.85		BZ	0.140	1.2		IAML	16:59:03.74			HZ	0.004	0.4		
MORF	e P	13:25:19.91		BZ			MESJ	e P	16:58:11.43			HZ				
	I Amb	13:25:21.88		BZ	0.078	1.6		e S	16:58:57.75			HN				
PFVI	e P	13:25:21.36		BZ				IAML	16:59:01.08			HZ	0.003	0.7		
	I Amb	13:25:22.99		BZ	0.188	1.6	MORF	e S	16:58:59.88			HN				
PMAR	e P	13:26:12.17		BZ			PESTR	e P	16:58:12.69			HZ				
	I Amb	13:26:13.79		BZ	0.220	1.3		e S	16:59:02.43			HE				
								IAML	16:59:07.67			HZ	0.002	0.6		
01-Jan							PLOUS	e P	16:58:13.25			HZ				
Est	Fase	P h:m:s	Dur	Co	Amp	Per		e S	16:59:03.05			HN				
PARRA	e P	14:14:46.34		HZ			EVO	e P	16:58:13.19			HZ				
	e S	14:15:37.59		HE				e S	16:59:04.16			HE				
PVAQ	e S	14:15:11.72		H2			PARRA	e P	16:58:16.48			HZ				
PBAR	e S	14:15:13.06		HE				e S	16:59:08.65			HE				
								IAML	16:59:16.19			HZ	0.002	0.4		





PCVE	e P	07:14:54.74	BZ					PMRV	e P	07:39:15.43	HZ					
MESJ	e P	07:14:55.65	BZ						e S	07:40:10.18	HE					
	IAMB	07:14:57.95	BZ	0.047	1.4				IAML	07:40:39.27	HZ	0.005	0.7			
PLOUS	e P	07:14:56.53	BZ					PMTG	e P	07:39:17.51	HZ					
PMAFR	e P	07:14:55.24	BZ						e S	07:40:12.93	HE					
PBDV	e P	07:14:56.66	BZ						IAML	07:40:32.49	HZ	0.004	0.9			
	IAMB	07:14:58.84	BZ	0.092	1.4			PCBR	e P	07:39:20.66	EZ					
PTEO	e P	07:14:57.99	BZ						e S	07:40:19.10	EE					
MORF	e P	07:14:58.84	BZ						IAML	07:40:24.28	EZ	0.003	0.4			
PFVI	e P	07:14:59.77	BZ					PSARD	e P	07:39:22.32	HZ					
									e S	07:40:20.94	HE					
02-Jan	Ho	07:15:20.4					ML 1.4		IAML	07:40:57.51	HZ	0.009	0.3			
	Lat	36.619°N	Lon	07.250°W			Prof 15		PMAFR	e P	07:39:25.20	HZ				
	Região:	Golfo de Cádiz					Rms 0.3			e S	07:40:26.65	HN				
	AxMax	5.6	AxMin	2.7	Ang	23	ErrZ 3		PSBE	e P	07:39:26.40	HZ				
Est	Fase	P h:m:s	Dur	Co	Amp	Per				e S	07:40:29.51	HN				
PBDV	e P	07:15:34.97		HZ					IAML	07:40:59.65	HZ	0.004	0.6			
	e S	07:15:46.80		HE				MTE	e P	07:39:27.66	HZ					
PVAQ	e P	07:15:36.23		HZ					e S	07:40:31.61	HE					
	IAML	07:15:47.53		HZ	0.017	0.6			IAML	07:41:13.71	HZ	0.006	0.7			
	e S	07:15:47.78		H1				PCAS	e P	07:39:29.31	HZ					
PCVE	e S	07:15:56.06		HN					e S	07:40:34.45	HN					
MORF	e S	07:15:59.88		HE					IAML	07:41:34.48	HZ	0.005	0.7			
MESJ	e S	07:16:01.33		HN				PVIS	e P	07:39:33.19	HZ					
PBAR	e P	07:15:45.61		HZ					e S	07:40:40.61	HE					
	e S	07:16:05.12		HN				MVO	e P	07:39:34.41	HZ					
PLOUS	e S	07:16:08.30		HE					e S	07:40:42.19	HN					
MOE	e S	07:16:17.53		HE				PVRL	e P	07:39:38.64	EZ					
PESTR	e S	07:16:22.13		HE					e S	07:40:50.37	EE					
PARRA	e P	07:15:56.08		HZ				POLO	e P	07:39:40.24	HZ					
	e S	07:16:22.29		HE					e S	07:40:53.19	HE					
02-Jan	Ho	07:38:01.7					ML 2.6		PBRG	e P	07:39:41.02	HZ				
	Lat	35.460°N	Lon	03.639°W			Prof 14			e S	07:40:53.97	HE				
	Região:	NE Al Hoceima (MARR)					Rms 0.5		PCAB	e P	07:39:45.04	EZ				
	AxMax	5.5	AxMin	3.3	Ang	120	ErrZ 8			e S	07:41:03.29	EE				
Est	Fase	P h:m:s	Dur	Co	Amp	Per			PGAV	e P	07:39:49.90	HZ				
PVAQ	e P	07:38:58.78		HZ				02-Jan	Ho	07:36:24.4				ML 1.8		
	e S	07:39:40.98		H2					Lat	35.509°N	Lon	03.508°W		Prof 30		
	IAML	07:39:48.05		HZ	0.010	0.5			Região:	Alboran				Rms 0.5		
PBAR	e P	07:38:59.17		HZ				Est	Fase	P h:m:s	Dur	Co	Amp	Per		
	e S	07:39:42.34		HE				PBAR	e P	07:37:21.18		HZ				
	IAML	07:39:49.53		HZ	0.008	0.4			e S	07:38:04.14		HN				
PBDV	e P	07:39:00.03		HZ				PVAQ	e P	07:37:21.29		HZ				
	e S	07:39:43.88		HN					e S	07:38:04.90		H1				
	IAML	07:39:56.83		HZ	0.007	0.4			IAML	07:38:06.54		HZ	0.002	0.3		
PCVE	e P	07:39:03.44		HZ				PBDV	e P	07:37:21.69		HZ				
	e S	07:39:51.37		HN					e S	07:38:06.23		HE				
	IAML	07:39:59.14		HZ	0.007	0.4		PCVE	e S	07:38:12.93		HN				
PBEJ	e P	07:39:05.22		EZ				MESJ	e P	07:37:29.70		HZ				
	e S	07:39:53.08		EN					e S	07:38:17.16		HN				
	IAML	07:39:55.80		EZ	0.005	0.7		MORF	e S	07:38:20.71		HN				
MESJ	e P	07:39:06.64		HZ				PFVI	e S	07:38:21.39		HE				
	e S	07:39:56.15		HN				PESTR	e P	07:37:32.98		HZ				
	IAML	07:40:04.50		HZ	0.008	0.6			e S	07:38:23.88		HN				
MORF	e P	07:39:07.33		HZ				PLOUS	e P	07:37:32.71		HZ				
	e S	07:39:57.47		HN					e S	07:38:22.98		HE				
	IAML	07:40:01.21		HZ	0.006	0.1		EVO	e P	07:37:32.43		HZ				
PFVI	e P	07:39:09.29		HZ					e S	07:38:24.34		HN				
	e S	07:40:00.24		HE				PARRA	e P	07:37:36.21		HZ				
PTEO	e P	07:39:10.06		HZ					e S	07:38:29.33		HN				
	e S	07:40:00.73		HN				PMRV	e P	07:37:36.46		HZ				
	IAML	07:40:17.64		HZ	0.009	0.6		PSARD	e P	07:37:45.74		HZ				
PLOUS	e P	07:39:09.81		HZ					e S	07:38:43.05		HN				
	e S	07:40:01.14		HE				02-Jan	Ho	07:36:24.4				ML 1.8		
	IAML	07:40:13.13		HZ	0.004	0.6		Est	Fase	P h:m:s	Dur	Co	Amp	Per		
PESTR	e P	07:39:10.85		HZ				PARRA	e P	08:24:05.59		HZ				
	e S	07:40:01.76		HE				PVAQ	e S	08:24:32.04		H1				
	IAML	07:40:26.65		HZ	0.005	0.5										
EVO	e P	07:39:10.70		HZ												
	e S	07:40:01.54		HE												
	IAML	07:40:12.82		HZ	0.006	0.5										
PARRA	e P	07:39:13.31		HZ												
	e S	07:40:06.09		HE												
	IAML	07:40:14.40		HZ	0.003	0.7										
MOE	e P	07:39:13.81		HZ												
	e S	07:40:06.92		HE												
	IAML	07:40:11.33		HZ	0.010	0.3										

<b>02-Jan Ho 11:28:24.1 ML-0.1</b>									
<b>Lat 38.672°N Lon 08.420°W Prof 5*</b>									
<b>Região: E Vendas Novas Rms 0.5</b>									
<b>AxMax 5.3 AxMin 3.6 Ang 110 ErrZ 0</b>									
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp</i>	<i>Per</i>			
MOE	e Pg	11:28:26.03		HZ					
	e Sg	11:28:29.08		HN					
	IAML	11:28:29.25		HZ	0.003	0.1			
PARRA	e Pg	11:28:29.94		HZ					
	e Sg	11:28:35.10		HN					
	IAML	11:28:38.25		HZ	0.001	0.6			
EVO	e Pg	11:28:30.21		HZ					
	e Sg	11:28:36.09		HE					
PMTG	e Sg	11:28:37.68		HE					
PAZOI	e S	11:28:45.41		HE					
PESTR	e S	11:28:43.09		HN					
<b>02-Jan Ho 14:43:27.5 ML 1.2</b>									
<b>Lat 37.311°N Lon 09.165°W Prof 28</b>									
<b>Região: W Aljezur Rms 0.3</b>									
<b>AxMax 7.3 AxMin 3.7 Ang 69 ErrZ 4</b>									
<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	14:43:34.60		HZ					
	e S	14:43:39.90		HN					
	IAML	14:43:40.28		HZ	0.016	0.2			
MORF	e P	14:43:35.95		HZ					
	e S	14:43:42.23		HN					
	IAML	14:43:43.30		HZ	0.014	0.1			
PTEO	e P	14:43:36.19		HZ					
	e S	14:43:43.11		HE					
	IAML	14:43:47.63		HZ	0.004	0.6			
PMONC	e P	14:43:37.12		HZ					
	e S	14:43:44.57		H1					
	IAML	14:43:45.28		HZ	0.025	0.1			
MESJ	e P	14:43:42.96		HZ					
	e S	14:43:56.16		HE					
PLOUS	e P	14:43:42.86		HZ					
	e S	14:43:55.53		HE					
	IAML	14:43:56.90		HZ	0.002	0.1			
PCVE	e P	14:43:43.58		HZ					
	e S	14:43:55.58		HN					
	IAML	14:44:00.63		HZ	0.002	0.3			
PBDV	e P	14:43:44.98		HZ					
	e S	14:43:56.77		HN					
	IAML	14:43:57.83		HZ	0.002	0.1			
PVAQ	e P	14:43:46.66		HZ					
	e S	14:44:00.92		H1					
	IAML	14:44:08.92		HZ	0.002	0.4			
MOE	e P	14:43:49.29		HZ					
	e S	14:44:06.18		HN					
EVO	e S	14:44:09.04		HE					
PMAFR	e S	14:44:12.66		HN					
PARRA	e P	14:43:55.00		HZ					
	e S	14:44:14.00		HE					
PMTG	e P	14:43:57.17		HZ					
	e S	14:44:18.14		HE					
	IAML	14:44:20.84		HZ	0.001	0.7			
PESTR	e P	14:43:57.25		HZ					
	e S	14:44:20.74		HN					
	IAML	14:44:28.33		HN					
PSBE	e S	14:44:28.33		HN					
PSARD	e S	14:44:30.42		HN					
	IAML	14:44:31.22		HZ	0.005	0.3			
PMRV	e P	14:44:04.97		HZ					
	e S	14:44:33.30		HN					
<b>02-Jan Ho 14:52:09.7 ML 1.7</b>									
<b>Lat 35.238°N Lon 05.357°W Prof 33</b>									
<b>Região: S Tetuan (MARR) Rms 0.5</b>									
<b>AxMax 8.0 AxMin 2.9 Ang 75 ErrZ 56</b>									
<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	14:52:53.09		HZ					
	e S	14:53:24.88		H1					
	IAML	14:53:25.27		HZ	0.005	0.4			
PBDV	e S	14:53:25.03		HE					
PCVE	e S	14:53:32.79		HN					
	IAML	14:53:35.35		HZ	0.002	0.3			
PBAR	e P	14:52:57.92		HZ					
	e S	14:53:33.23		HE					
<b>02-Jan Ho 18:15:43.7 ML 2.2</b>									
<b>Lat 35.487°N Lon 03.611°W Prof 14</b>									
<b>Região: NE Al Hoceima (MARR) Rms 0.5</b>									
<b>AxMax 5.1 AxMin 4.0 Ang 113 ErrZ 10</b>									
<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	18:16:40.68		HZ					
	e S	18:17:24.05		H1					
	IAML	18:17:29.54		HZ	0.003	0.6			
PBAR	e P	18:16:41.01		HZ					
	e S	18:17:25.81		HE					
	IAML	18:17:31.00		HZ	0.003	0.3			
PBDV	e P	18:16:41.70		HZ					
	e S	18:17:25.00		HE					
	IAML	18:17:28.77		HZ	0.003	0.2			
PCVE	e P	18:16:45.37		HZ					
	e S	18:17:31.99		HN					
	IAML	18:17:37.03		HZ	0.003	0.3			
PBEJ	e P	18:16:46.99		EZ					
	e S	18:17:35.51		EN					
MESJ	e P	18:16:48.89		HZ					
	e S	18:17:37.71		HE					
	IAML	18:17:38.78		HZ	0.003	0.4			
MORF	e P	18:16:50.07		HZ					
	e S	18:17:40.53		HE					
	IAML	18:17:46.09		HZ	0.003	0.2			
PFVI	e P	18:16:51.66		HZ					
	e S	18:17:40.94		HN					
PLOUS	e P	18:16:52.48		HZ					
PESTR	e P	18:16:54.55		HZ					
	e S	18:17:44.59		HN					
	IAML	18:18:10.32		HZ	0.002	0.5			
EVO	e P	18:16:52.60		HZ					
	e S	18:17:44.54		HN					
	IAML	18:17:46.58		HZ	0.003	0.3			
PARRA	e P	18:16:55.68		HZ					
	e S	18:17:49.62		HN					
	IAML	18:18:02.55		HZ	0.002	0.5			
MOE	e P	18:16:56.15		HZ					
	e S	18:17:49.65		HE					
	IAML	18:18:06.72		HZ	0.004	0.6			
PMRV	e P	18:16:57.48		HZ					
	e S	18:17:51.84		HE					
	IAML	18:18:19.62		HZ	0.002	0.5			
PMTG	e P	18:16:59.65		HZ					
	e S	18:17:54.90		HN					
	IAML	18:18:20.49		HZ	0.001	0.4			
PCBR	e P	18:17:02.33		EZ					
	e S	18:18:01.55		EN					
	IAML	18:18:10.21		EZ	0.002	0.4			
PSARD	e P	18:17:04.31		HZ					
	e S	18:18:05.49		HE					
	IAML	18:18:06.82		HZ	0.005	0.3			
PSBE	e P	18:17:08.51		HZ					



MVO e P 18:17:16.18 HZ  
POLO e P 18:17:22.21 HZ  
PBRG e P 18:17:23.10 HZ

**02-Jan Ho 22:56:13.2 ML 1.1**  
**Lat 36.300°N Lon 08.925°W Prof 8**  
**Região: S Cabo S.Vicente Rms 0.3**  
**AxMax 15.5 AxMin 4.7 Ang 78 ErrZ 9**

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PFVI	e P	22:56:28.58		HZ		
	e S	22:56:39.82		HE		
	IAML	22:56:41.98		HZ	0.005	0.6
MORF	e P	22:56:31.38		HZ		
	e S	22:56:46.01		HN		
	IAML	22:56:46.07		HZ	0.003	0.2
PBDV	e P	22:56:35.35		HZ		
	e S	22:56:51.23		HN		
PTEO	e S	22:56:52.10		HE		
PVAQ	e P	22:56:38.52		HZ		
	e S	22:56:57.48		H2		
	IAML	22:57:00.31		HZ	0.001	0.2

**02-Jan Ho 23:50:40.5 ML 2.2**  
**Lat 34.260°N Lon 14.460°W Prof 5**  
**Região: NE Porto Santo (Madeira) Rms 0.4**  
**AxMax 59.4 AxMin 2.6 Ang 139 ErrZ 19**

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PMPST	i P	23:51:08.13		HZ		
	e S	23:51:28.56		HE		
	IAML	23:51:34.00		HZ	0.020	0.4
PMPS	e P	23:51:08.24		EZ		
	e S	23:51:29.45		EZ		
	IAML	23:51:32.82		EZ	0.019	0.1
PMAR	e P	23:51:16.59		HZ		
	e S	23:51:44.01		H2		
MORF	e Pn	23:51:57.35		HZ		
	e Sn	23:52:56.32		HE		
	IAML	23:53:00.46		HZ	0.002	0.1
PTEO	e Sn	23:52:59.05		HN		
PBDV	e Pn	23:52:05.29		HZ		
	e Sn	23:53:07.58		HN		
PLOUS	e Sn	23:53:09.38		HN		
MESJ	e Sn	23:53:10.54		HE		
PCVE	e Sn	23:53:10.14		HE		
PVAQ	e Pn	23:52:08.96		HZ		
	e Sn	23:53:12.54		H2		
	IAML	23:53:16.86		HZ	0.001	0.5
MOE	e Sn	23:53:14.77		HE		
EVO	e Sn	23:53:19.86		HE		
PARRA	e Sn	23:53:22.47		HN		

**03-Jan Ho 00:38:53.8 ML 1.0**  
**Lat 42.708°N Lon 07.696°W Prof 0**  
**Região: SW Lugo (ESP) Rms 0.5**  
**AxMax 3.8 AxMin 2.7 Ang 76 ErrZ 9**

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PGAV	e P	00:39:10.06		HZ		
	e S	00:39:21.16		HN		
	IAML	00:39:23.46		HZ	0.004	0.5
PCAB	e P	00:39:13.12		EZ		
	e S	00:39:26.22		EE		
PBRG	e P	00:39:15.00		HZ		
	e S	00:39:30.14		HE		
	IAML	00:39:30.62		HZ	0.002	0.4
POLO	e P	00:39:18.72		HZ		
	e S	00:39:35.83		HN		
PVRL	e P	00:39:20.36		EZ		
	e S	00:39:38.82		EE		
	IAML	00:39:40.14		EZ	0.001	0.2
MVO	e Pg	00:39:24.67		HZ		
	e Sn	00:39:44.55		HE		

**03-Jan**

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PBAR	e P	01:44:55.20		HZ		
	e S	01:45:04.51		HN		
	IAML	01:45:07.00		HZ	0.002	0.1
PVAQ	e P	01:45:00.23		HZ		

e S 01:45:15.09 H2  
PCVE e P 01:45:04.92 HZ  
PBEJ e S 01:45:20.41 EN  
PBDV e S 01:45:21.67 HN  
MESJ e S 01:45:27.56 HN  
PESTR e Sg 01:45:29.86 HN  
EVO e Sg 01:45:30.23 HN  
PLOUS e Sg 01:45:32.44 HN  
PARRA e Sg 01:45:35.98 HN  
PMRV e Sg 01:45:42.25 HN

**03-Jan Ho 02:09:44.6 Distante (NEIC) Mw 6.0**  
**Lat 13.204°S Lon 166.824°E Prof 104**  
**Região: Vanuatu Islands**

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PBRG	e PKPbc	02:29:25.09		BZ		
	e PKPab	02:29:33.37		BZ		
PGAV	e PKPbc	02:29:25.97		BZ		
PCAB	e PKPbc	02:29:25.69		SZ		
POLO	e PKPbc	02:29:26.82		BZ		
MVO	e PKPbc	02:29:27.02		BZ		
PVRL	e PKPbc	02:29:26.88		SZ		
PTO	e PKPbc	02:29:27.75		SZ		
PVIS	e PKPbc	02:29:27.86		BZ		
MTE	e PKPbc	02:29:28.83		BZ		
COI	e PKPbc	02:29:29.59		BZ		
	e PKPab	02:29:42.05		BZ		
PCAS	e PKPdf	02:29:23.14		BZ		
	e PKPbc	02:29:29.83		BZ		
PCBR	e PKPdf	02:29:22.82		SZ		
	e PKPbc	02:29:29.70		SZ		
PSARD	e PKPdf	02:29:23.89		BZ		
	e PKPbc	02:29:30.58		BZ		
PMRV	e PKPdf	02:29:23.95		BZ		
	e PKPbc	02:29:30.86		BZ		
PSBE	e PKPbc	02:29:30.93		BZ		
PMTG	e PKPdf	02:29:23.81		BZ		
	e PKPbc	02:29:31.53		BZ		
PESTR	e PKPbc	02:29:32.32		BZ		
	e PKPab	02:29:47.14		BZ		
PARRA	e PKPdf	02:29:23.50		BZ		
	e PKPbc	02:29:31.97		BZ		
	e PKPab	02:29:47.72		BZ		
PMAFR	e PKPbc	02:29:32.22		BZ		
	e PKPab	02:29:47.23		BZ		
EVO	e PKPdf	02:29:24.04		BZ		
	e PKPbc	02:29:32.57		BZ		
	e PKPab	02:29:49.38		BZ		
MOE	e PKPdf	02:29:24.64		BZ		
	e PKPbc	02:29:33.49		BZ		
	e PKPab	02:29:49.34		BZ		
PBAR	e PKPdf	02:29:24.46		BZ		
	e PKPbc	02:29:33.55		BZ		
	e PKPab	02:29:48.86		BZ		
PBEJ	e PKPdf	02:29:24.97		SZ		
	e PKPbc	02:29:34.54		SZ		
	e PKPab	02:29:51.14		SZ		
PLOUS	e PKPdf	02:29:24.87		BZ		
	e PKPbc	02:29:34.42		BZ		
	e PKPab	02:29:51.70		BZ		
MESJ	e PKPdf	02:29:26.89		BZ		
	e PKPbc	02:29:34.90		BZ		
	e PKPab	02:29:51.06		BZ		
PCVE	e PKPdf	02:29:26.65		BZ		
	e PKPbc	02:29:35.98		BZ		
	e PKPab	02:29:52.71		BZ		
PVAQ	e PKPdf	02:29:27.44		BZ		
	e PKPab	02:29:54.31		BZ		
PTEO	e PKPdf	02:29:27.91		BZ		
	e PKPab	02:29:54.17		BZ		
PBDV	e PKPdf	02:29:26.24		BZ		
	e PKPab	02:29:53.80		BZ		
MORF	e PKPdf	02:29:27.35		BZ		
	e PKPab	02:29:53.90		BZ		
PFVI	e PKPab	02:29:53.54		BZ		

**03-Jan Ho 03:24:59.5 ML 0.9**  
**Lat 36.603°N Lon 07.244°W Prof 19**  
**Região: Golfo de Cádiz Rms 0.4**  
**AxMax 4.8 AxMin 3.0 Ang 157 ErrZ 4**

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PBDV	e P	03:25:14.46		HZ		
	e S	03:25:25.97		HE		
	IAML	03:25:28.47		HZ	0.002	0.2
PVAQ	e P	03:25:15.26		HZ		
	e S	03:25:27.67		H1		
	IAML	03:25:28.07		HZ	0.002	0.3
PCVE	e P	03:25:19.92		HZ		
	e S	03:25:35.27		HN		
MORF	e Pn	03:25:21.37		HZ		
	e Sn	03:25:38.95		HE		
	IAML	03:25:44.19		HZ	0.001	0.1
PFVI	e Pn	03:25:21.93		HZ		
	e Sn	03:25:38.69		HN		
MESJ	e Pn	03:25:23.33		HZ		
	e Sn	03:25:41.50		HE		
PBAR	e Pn	03:25:25.08		HZ		
	e Sn	03:25:43.98		HE		
PLOUS	e Pn	03:25:26.87		HZ		
PARRA	e Pn	03:25:35.00		HZ		
	e Sn	03:26:02.74		HN		

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PBAR	e S	04:34:50.47		HE		
PVAQ	e S	04:34:50.68		H2		

**03-Jan Ho 04:43:12.6 ML 0.6**  
**Lat 37.130°N Lon 08.609°W Prof 17**  
**Região: W Portimão Rms 0.3**  
**AxMax 2.9 AxMin 2.3 Ang 171 ErrZ 6**

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PFVI	e Pg	04:43:16.74		HZ		
	e Sg	04:43:19.81		HN		
	IAML	04:43:20.00		HZ	0.007	0.1
MORF	e Pg	04:43:16.80		HZ		
	e Sg	04:43:20.22		HN		
	IAML	04:43:20.40		HZ	0.013	0.1
PMONC	i Pg	c 04:43:17.05		HZ		
	e Sg	04:43:20.47		H1		
	IAML	04:43:20.85		HZ	0.016	0.3
PTEO	e Pg	04:43:20.75		HZ		
	e Sg	04:43:26.78		HN		
PBDV	e Pg	04:43:23.05		HZ		
	e Sg	04:43:30.76		HN		
	IAML	04:43:31.85		HZ	0.001	0.2
PCVE	e P	04:43:25.09		HZ		
	e S	04:43:34.13		HN		
PVAQ	e P	04:43:26.40		HZ		
	e S	04:43:36.27		H2		
MESJ	e P	04:43:26.93		HZ		
	e S	04:43:37.58		HE		
PLOUS	e S	04:43:40.80		HE		

**03-Jan Ho 06:59:09.0 ML 1.7**  
**Lat 35.464°N Lon 03.541°W Prof 27**  
**Região: NE Al Hoceima (MARR) Rms 0.4**  
**AxMax 7.2 AxMin 4.7 Ang 106 ErrZ 13**

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PVAQ	e P	07:00:05.81		HZ		
	e S	07:00:48.62		H2		
	IAML	07:00:50.17		HZ	0.002	0.4
PBAR	e P	07:00:06.20		HZ		
	e S	07:00:50.58		HN		
	IAML	07:00:56.11		HZ	0.001	0.2
MESJ	e P	07:00:14.29		HZ		
	e S	07:01:03.91		HE		
MORF	e P	07:00:18.38		HZ		
PFVI	e P	07:00:16.52		HZ		
	e S	07:01:05.67		HE		
PLOUS	e P	07:00:17.08		HZ		
EVO	e P	07:00:18.00		HZ		
PARRA	e P	07:00:20.69		HZ		
	e S	07:01:12.76		HE		

MOE e P 07:00:21.30 HZ  
e S 07:01:14.71 HE  
PMRV e P 07:00:23.08 HZ  
PMTG e P 07:00:24.63 HZ

**03-Jan Ho 07:29:56.2 ML 1.5**  
**Lat 42.607°N Lon 09.053°W Prof 2**  
**Região: Costa da Galiza (ESP) Rms 0.3**  
**AxMax 4.9 AxMin 1.8 Ang 83 ErrZ 5**

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PGAV	e P	07:30:11.99		HZ		
	e S	07:30:23.63		HN		
	IAML	07:30:24.91		HZ	0.007	0.3
PCAB	e P	07:30:18.35		EZ		
	e S	07:30:34.05		EN		
	IAML	07:30:35.00		EZ	0.008	0.3
POLO	e Pn	07:30:23.14		HZ		
	e Sg	07:30:45.34		HE		
	IAML	07:30:45.96		HZ	0.001	0.5
PBRG	e Pn	07:30:29.23		HZ		
	e Sg	07:30:56.30		HN		
MVO	e Sg	07:31:02.66		HN		

**03-Jan Ho 08:48:28.5 ML 1.4**  
**Lat 36.409°N Lon 09.166°W Prof 11**  
**Região: SW Cabo S.Vicente Rms 0.3**  
**AxMax 11.7 AxMin 6.8 Ang 106 ErrZ 8**

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PFVI	e P	08:48:42.01		HZ		
	e S	08:48:53.72		HN		
	IAML	08:48:56.02		HZ	0.012	0.2
MORF	e P	08:48:44.78		HZ		
	e S	08:48:59.41		HN		
	IAML	08:49:00.85		HZ	0.006	0.2
PMONC	e P	08:48:46.59		HZ		
	e S	08:49:01.20		H1		
	IAML	08:49:03.28		HZ	0.019	0.5
PTEO	e P	08:48:49.57		HZ		
	e S	08:49:05.47		HE		
	IAML	08:49:06.27		HZ	0.006	0.6
PBDV	e P	08:48:50.75		HZ		
	e S	08:49:07.96		HE		
PCVE	e Pn	08:48:54.56		HZ		
	e Sg	08:49:15.85		HN		
	IAML	08:49:20.66		HZ	0.002	1.0
PVAQ	e Pn	08:48:54.21		HZ		
	e Sg	08:49:15.60		H1		
	IAML	08:49:17.25		HZ	0.002	0.2
MESJ	e Pn	08:48:55.48		HZ		
	e Sg	08:49:18.53		HN		
	IAML	08:49:21.90		HZ	0.003	0.2
PLOUS	e Sg	08:49:21.30		HN		
	IAML	08:49:27.71		HZ	0.002	0.6
MOE	e Pn	08:49:03.27		HZ		
	e Sg	08:49:38.24		HN		
PBAR	e Sg	08:49:43.80		HN		
PARRA	e Sg	08:49:47.15		HE		

**03-Jan Ho 09:46:36.7 Distante (NEIC) Mw 6.2**  
**Lat 23.997°N Lon 122.235°E Prof 29**  
**Região: Taiwan Region**

Est	Fase	P h:m:s	Dur	Co	Amp	Per
MVO	e Pdif	10:00:24.53		LZ		
	e PP	10:04:32.80		LZ		
	e SKSac	10:11:02.91		LN		
	e LQ	10:35:14.04		LE		
	e LR	10:40:53.73		LZ		
	IAMs_20	10:52:22.27		LZ	16.74	16
PGAV	e Pdif	10:00:23.71		LZ		
	e PP	10:04:30.85		LZ		
	e SKSac	10:11:01.50		LN		
	e LQ	10:34:34.97		LE		
	e LR	10:42:02.10		LZ		
	IAMs_20	10:51:23.03		LZ	24.38	18
MTE	e Pdif	10:00:26.80		LZ		
	e PP	10:04:36.72		LZ		
	e SKSac	10:11:09.54		LN		
	e LQ	10:37:11.25		LE		



03-Jan	Ho	17:16:10.7			ML 1.6		PMONC	e	P	00:02:34.65	HZ	0.015	0.3			
	Lat	35.559°N		Lon	03.511°W	Prof		27	e	S	00:02:59.57			H2		
	Região: Alboran				Rms	0.5			IAML	00:03:00.73	HZ					
	AxMax	7.5	AxMin	5.5	Ang	112		ErrZ	15							
	Est	Fase	P	h:m:s	Dur	Co		Amp	Per	e	S			00:03:00.55	HN	
PBAR	e	P	17:17:07.83		HZ				IAML	00:03:01.23	HZ	0.005	0.5			
	e	S	17:17:52.41		HE			PBDV	e	P	00:02:40.14			HZ		
PVAQ	e	P	17:17:07.70		HZ				e	S	00:03:08.40	HN	0.002	0.8		
	e	S	17:17:50.05		H2				IAML	00:03:19.16	HZ					
PBDV		IAML	17:17:57.03		HZ	0.002	0.7	PAZOI	e	S	00:03:11.87	HE	0.012	0.8		
	e	P	17:17:08.26		HZ				IAML	00:03:14.86	HZ					
PCVE	e	S	17:17:52.20		HN			PCVE	e	P	00:02:41.85	HZ	0.002	0.3		
	e	S	17:18:00.62		HE				e	S	00:03:12.85	HE				
PARRA	e	P	17:17:21.99		HZ				IAML	00:03:13.72	HZ	0.002	0.3			
	e	S	17:18:14.29		HE			MESJ	e	P	00:02:41.62			HZ		
03-Jan	Ho	21:24:29.3			ML 1.3		PLOUS			00:03:12.23	HN	0.002	0.7			
	Lat	37.022°N		Lon	05.594°W	Prof		0		IAML	00:03:22.89			HZ		
	Região: SE Sevilha (ESP)				Rms	0.6			e	P	00:02:41.57			HZ		
	AxMax	4.1	AxMin	3.4	Ang	61		ErrZ	8		e			S	00:03:12.50	HE
	Est	Fase	P	h:m:s	Dur	Co		Amp	Per		IAML			00:03:16.86	HZ	0.005
PBAR	e	Pn	21:24:55.99		HZ			PVAQ	e	P	00:02:43.14	HZ				
	e	Sn	21:25:18.92		HE				e	S	00:03:14.05	H2	0.003	0.2		
PVAQ		IAML	21:25:22.87		HZ	0.001	0.3	PBEJ	e	P	00:02:45.97	EZ			0.002	0.1
	e	Pn	21:24:58.11		HZ				e	S	00:03:19.89	EN				
PBDV	e	Sg	21:25:24.00		H1				IAML	00:03:24.67	EZ	0.015	0.4			
		IAML	21:25:26.10		HZ	0.002	0.6	PMAFR	e	S	00:03:22.89			HN		
MESJ	e	Pn	21:24:59.58		HZ				IAML	00:03:25.54	HZ	0.004	0.2			
	e	Sn	21:25:22.23		HN			MOE	e	P	00:02:47.48			HZ		
PESTR	e	Pn	21:25:05.34		HZ				e	S	00:03:22.72	HE	0.005	0.1		
	e	Sn	21:25:36.72		HN				IAML	00:03:25.72	HZ					
EVO	e	Sg	21:25:40.40		HE			EVO	e	P	00:02:49.62	HZ	0.002	0.3		
		IAML	21:25:45.33		HZ	0.002	0.6		e	S	00:03:26.55	HN				
PSTR	e	Sg	21:25:43.97		HN				IAML	00:03:30.35	HZ	0.002	0.1			
	e	Sg	21:25:46.61		HN			PARRA	e	P	00:02:52.29			HZ		
MORF		IAML	21:25:52.28		HZ	0.002	0.3		e	S	00:03:31.28	HE	0.002	0.1		
	e	Pg	21:25:14.50		HZ				IAML	00:03:36.04	HZ					
PLOUS	e	Sn	21:25:37.95		HN			PMTG	e	P	00:02:53.66	HZ	0.003	0.3		
		IAML	21:26:03.41		HZ	0.001	0.6		e	S	00:03:33.65	HE				
PARRA	e	Pn	21:25:08.41		HZ				IAML	00:03:35.01	HZ	0.001	0.4			
	e	Sg	21:25:47.43		HN			PBAR	e	P	00:02:54.79			HZ		
PSTR	e	Pn	21:25:11.30		HZ				e							

<b>04-Jan</b>							IAMB	03:24:06.16	BZ	0.186	1.8
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp</i>	<i>Per</i>	e S	03:27:50.76	LN		
PBAR	e Sn	02:21:05.98		HE			e LR	03:27:56.88	LZ		
	e Sg	02:21:17.23		HE			IAMS_20	03:30:24.01	LZ	5.873	20
PESTR	e Sn	02:21:19.18		HE			e P	03:23:38.89	BZ		
	e Sg	02:21:34.39		HE			IAMB	03:23:58.26	BZ	0.253	1.7
PVAQ	e Sg	02:21:35.39		H1			e S	03:27:47.57	LN		
PMRV	e Sg	02:21:35.48		HE			e LR	03:27:57.47	LZ		
	IAML	02:21:39.87		HZ	0.002	0.6	IAMS_20	03:30:27.83	LZ	5.666	20
PARRA	e Sg	02:21:44.25		HE			e P	03:23:39.46	BZ		
<b>04-Jan</b>							IAMB	03:23:51.40	BZ	0.267	1.7
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp</i>	<i>Per</i>	e LR	03:27:49.01	LZ		
PMAR	e P	03:22:13.99		BZ			e S	03:27:51.16	LN		
	IAMB	03:22:24.91		BZ	0.729	1.1	IAMS_20	03:29:50.45	LZ	2.696	20
	e T	03:37:03.63		HZ			PBAR	e P	03:23:43.06	BZ	
PMPST	e P	03:22:20.41		BZ			IAMB	03:24:11.20	BZ	0.110	2.2
	IAMB	03:22:28.90		BZ	0.879	1.5	MVO	e P	03:23:43.19	BZ	
	e T	03:37:33.35		HZ			IAMB	03:23:57.07	BZ	0.292	2.1
PMAFR	e P	03:23:23.32		BZ			e S	03:27:57.89	LN		
	IAMB	03:23:29.62		BZ	0.496	1.7	e LR	03:28:05.66	LZ		
GGNV	e P	03:23:24.02		BZ			IAMS_20	03:30:25.12	LZ	2.562	22
	IAMB	03:23:30.48		BZ	0.571	1.9	PBRG	e P	03:23:49.30	BZ	
PAZOI	e P	03:23:25.47		BZ			IAMB	03:23:56.56	BZ	0.170	1.6
	IAMB	03:23:29.93		BZ	0.511	1.7	PMPS	e T	03:37:26.60	EZ	
	e P	03:23:27.62		BZ							
	IAMB	03:23:32.78		BZ	0.331	1.5					
PSBE	e P	03:23:28.27		BZ							
	IAMB	03:23:35.94		BZ	0.283	2.0					
PTEO	e P	03:23:28.44		BZ							
	IAMB	03:23:35.16		BZ	0.707	1.6					
	e T	03:44:30.47		HZ							
MORF	e P	03:23:29.15		BZ							
	IAMB	03:23:33.58		BZ	0.356	1.4					
PCAS	e P	03:23:29.73		BZ							
	IAMB	03:23:39.43		BZ	0.282	1.6					
MOE	e P	03:23:29.95		BZ							
	IAMB	03:23:39.80		BZ	0.221	1.7					
COI	e P	03:23:30.31		BZ							
	IAMB	03:23:39.80		BZ	0.398	1.9					
PLOUS	e P	03:23:30.37		BZ							
	IAMB	03:23:41.41		BZ	0.405	1.6					
	e T	03:44:35.99		HZ							
PTO	e P	03:23:31.18		SZ							
	IAMB	03:23:40.05		SZ	0.292	1.5					
PMTG	e P	03:23:31.68		BZ							
	IAMB	03:23:45.50		BZ	0.347	1.7					
MESJ	e P	03:23:31.93		BZ							
	IAMB	03:23:43.16		BZ	0.334	1.8					
EVO	e P	03:23:32.69		BZ							
	IAMB	03:23:43.37		BZ	0.215	1.8					
PCVE	e P	03:23:33.32		BZ							
	IAMB	03:23:44.97		BZ	0.274	1.6					
PSARD	e P	03:23:33.81		BZ							
	IAMB	03:23:39.49		BZ	0.402	1.5					
PBDV	e P	03:23:34.66		BZ							
	IAMB	03:23:42.43		BZ	0.303	1.9					
PARRA	e P	03:23:34.81		BZ							
	IAMB	03:23:44.31		BZ	0.208	1.6					
PVIS	e P	03:23:35.42		BZ							
PBEJ	e P	03:23:35.57		SZ							
	IAMB	03:23:56.39		SZ	0.184	1.6					
PVAQ	e P	03:23:36.53		BZ							
	IAMB	03:23:45.04		BZ	0.352	1.7					
	e S	03:27:41.43		L1							
	e LR	03:27:52.49		LZ							
	IAMS_20	03:30:08.53		LZ	3.771	22					
POLO	e P	03:23:36.81		BZ							
	IAMB	03:23:45.99		BZ	0.094	1.8					
PESTR	e P	03:23:36.91		BZ							
	IAMB	03:23:44.33		BZ	0.158	1.8					
PCAB	e P	03:23:37.56		SZ							
	IAMB	03:23:44.62		SZ	0.207	1.7					
PVRL	e P	03:23:37.56		SZ							
	IAMB	03:23:47.40		SZ	0.265	1.7					
PCBR	e P	03:23:37.99		SZ							
	IAMB	03:23:45.29		SZ	0.156	1.7					
MTE	e P	03:23:38.33		BZ							

MTE	e Sg	15:39:59.82	HE	0.022 0.2	PMTG	e S	15:47:37.35	HN	0.003 0.2		
	IAML	15:40:00.18	HZ			e P	15:47:11.83	HZ			
	e Pg	15:39:52.55	HZ			e S	15:47:42.77	HN			
	e Sg	15:40:00.37	HE			IAML	15:47:59.90	HZ			
PCBR	IAML	15:40:02.35	HZ	0.005 0.7	PMAFR	e P	15:47:14.33	HZ	0.002 0.1		
	e Pg	15:39:53.64	EZ			e S	15:47:46.30	HN			
	e Sg	15:40:01.75	EE			e P	15:47:16.71	HZ			
	IAML	15:40:03.35	EZ			e S	15:47:51.42	HN			
PVIS	e Pg	15:39:53.60	HZ	0.005 0.1	PSARD	IAML	15:47:52.96	HZ	0.006 0.2		
	e Sg	15:40:02.03	HE			e P	15:47:19.28	HZ			
	PSBE	e S	15:40:07.55			HN	e S	15:47:55.10		HN	
	PMRV	e P	15:39:59.19			HZ	IAML	15:47:56.37		HZ	
PMTG	e S	15:40:11.66	HE	0.005 0.1	PSBE	e P	15:47:19.42	HZ	0.003 0.2		
	IAML	15:40:12.01	HZ			e S	15:47:55.24	HE			
	e P	15:40:01.20	HZ			e P	15:47:22.36	EZ			
	e S	15:40:15.32	HE			e S	15:48:00.84	EE			
POLO	IAML	15:40:15.49	HZ	0.005 0.1	PCAS	IAML	15:48:02.12	EZ	0.003 0.2		
	e S	15:40:21.86	HE			e P	15:47:26.02	HZ			
	IAML	15:40:23.75	HZ			<div>04-Jan</div> <div>Ho 16:14:43.1</div> <div>Lat 36.455°N Lon 07.591°W</div> <div>Região: Golfo de Cádiz</div> <div>AxMax 3.9 AxMin 2.4 Ang 18</div> <div>ML 1.8 Prof 36* Rms 0.4 ErrZ 0</div> <div>Amp Per</div>					
	PARRA	e Pg	15:40:05.12				HZ				
IAML	15:40:22.66	HZ	0.002 0.4								
e Sg	15:40:22.67	HN									
PESTR	e Pg	15:40:06.33	HZ	0.005 0.1	PBDV		e P	d 16:14:57.34	HZ	0.007 0.4	
	e Sg	15:40:23.80	HN				e S	16:15:08.08	HN		
	MVO	e Sg	15:40:24.27				HE	IAML	16:15:11.64		HZ
	MOE	e Sg	15:40:31.46				HE	e P	c 16:14:59.02		HZ
					PVAQ	e S	16:15:10.78	H2	0.012 0.4		
						IAML	16:15:11.05	HZ			
						MORF	e P	16:15:02.31		HZ	
						e S	16:15:16.73	HE			
					PFVI	IAML	16:15:21.62	HZ	0.011 0.1		
						e P	16:15:02.04	HZ			
						e S	16:15:16.47	HN			
						PCVE	e P	16:15:33.00		HZ	
					PTEO	e S	16:15:17.92	HE	0.006 0.2		
						IAML	16:15:18.86	HZ			
						e P	16:15:05.33	HZ			
						e S	16:15:22.06	HE			
					MESJ	e P	d 16:15:06.21	HZ	0.006 0.8		
						e S	16:15:23.22	HN			
						IAML	16:15:35.04	HZ			
						PBEJ	e P	16:15:07.81		EZ	
					PLOUS	e S	16:15:26.03	EE	0.003 0.4		
						e P	16:15:09.31	HZ			
						e S	16:15:30.17	HE			
						PBAR	e P	16:15:10.36		HZ	
					EVO	e S	16:15:30.46	HE	0.003 0.5		
						IAML	16:15:35.40	HZ			
						e P	16:15:14.83	HZ			
						e S	16:15:37.16	HN			
					MOE	e P	16:15:15.74	HZ	0.002 0.2		
						e S	16:15:39.77	HE			
						PARRA	e P	16:15:18.74		HZ	
						e S	16:15:45.63	HN			
					PESTR	IAML	16:15:46.73	HZ	0.005 0.2		
						e P	16:15:18.93	HZ			
						e S	16:15:45.55	HN			
						IAML	16:15:49.29	HZ			
					PMTG	e P	16:15:22.56	HZ	0.003 0.5		
						e S	16:15:53.00	HE			
						PMRV	e P	16:15:26.86		HZ	
						e S	16:16:00.12	HE			
					PSARD	e P	16:15:29.74	HZ	0.005 0.2		
						e S	16:16:05.44	HN			
						IAML	16:16:06.31	HZ			
						PCBR	e P	16:15:32.41		EZ	
						e S	16:16:10.34	EE			









<b>05-Jan</b>	<b>Ho</b>	<b>03:21:17.1</b>	<b>Distante (NEIC)</b>	<b>Mw 5.1</b>
	<b>Lat</b>	<b>36.117°N</b>	<b>Lon 31.265°E</b>	<b>Prof 54</b>
	<b>Região: Turkey</b>			
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>
PBRG	e P	03:27:19.79		BZ
	IAMB	03:27:20.15		BZ
MVO	e P	03:27:22.11		BZ
PBAR	e P	03:27:24.58		BZ
PMRV	e P	03:27:25.41		BZ
MTE	e P	03:27:25.77		BZ
PCBR	e P	03:27:26.20		SZ
PVRL	e P	03:27:26.60		SZ
POLO	e P	03:27:27.19		BZ
PESTR	e P	03:27:27.19		BZ
PVIS	e P	03:27:28.26		BZ
PCAB	e P	03:27:28.73		SZ
PGAV	e P	03:27:30.27		BZ
PVAQ	e P	03:27:30.15		BZ
PBEJ	e P	03:27:30.65		SZ
PARRA	e P	03:27:30.02		BZ
PSARD	e P	03:27:30.60		BZ
EVO	e P	03:27:30.47		BZ
PMTG	e P	03:27:31.57		BZ
COI	e P	03:27:32.11		BZ
PBDV	e P	03:27:32.52		BZ
PCVE	e P	03:27:33.43		BZ
PTO	e P	03:27:32.48		SZ
PCAS	e P	03:27:32.76		BZ
MESJ	e P	03:27:33.15		BZ
MOE	e P	03:27:34.30		BZ
PLOUS	e P	03:27:34.49		BZ
PMAR	e P	03:28:44.33		BZ
<b>05-Jan</b>	<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>
	PARRA	e Pg	03:22:33.32	HZ
		e Sg	03:22:35.15	HN
		IAML	03:22:36.27	HZ
	EVO	e Sg	03:22:39.84	HN
	PESTR	e Sg	03:22:41.44	HN
<b>05-Jan</b>	<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>
	PLOUS	e P	04:04:39.86	HN
		e S	04:05:24.77	HN
	PARRA	e P	04:04:47.70	HZ
		e S	04:05:37.06	HE
	PMTG	e P	04:04:47.88	HZ
		e S	04:05:36.97	HE
	PMRV	e P	04:04:57.43	HZ
		e S	04:05:54.29	HE
	PFVI	e S	04:05:12.70	HN
	MESJ	e S	04:05:27.12	HN
	MOE	e S	04:05:29.10	HN
	PCVE	e S	04:05:31.36	HE
	PBDV	e S	04:05:31.63	HN
	PVAQ	e S	04:05:35.87	H2
	PSARD	e S	04:05:44.48	HE
	PBAR	e S	04:05:52.46	HE
<b>05-Jan</b>	<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>
	PBAR	e P	05:40:26.60	HZ
		e S	05:41:09.08	HE
	PARRA	e P	05:40:41.32	HZ
	PSARD	e P	05:40:48.22	HZ
	PVAQ	e S	05:41:07.97	H2
<b>05-Jan</b>	<b>Ho</b>	<b>07:22:27.3</b>	<b>Distante (NEIC)</b>	<b>Mw 5.4</b>
	<b>Lat</b>	<b>56.056°N</b>	<b>Lon 164.986°E</b>	<b>Prof 13</b>
	<b>Região: Komandorskiye Ostrova Region</b>			
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>
PVRL	e pP	07:34:58.73		SZ
PVIS	e pP	07:35:02.67		BZ
MTE	e P	07:34:59.09		BZ
PCAS	e P	07:35:00.58		BZ
	e pP	07:35:06.23		BZ
PCBR	e P	07:35:00.79		SZ

e pP	07:35:06.95	SZ
PSBE	e pP	07:35:09.81
PMRV	e pP	07:35:08.98
PMTG	e P	07:35:02.94
	e pP	07:35:10.44
PESTR	e P	07:35:03.38
	e pP	07:35:11.81
PARRA	e pP	07:35:11.81
EVO	e P	07:35:05.58
	e pP	07:35:13.70
MOE	e P	07:35:06.74
PAZOI	e P	07:35:06.53
PBAR	e P	07:35:07.64
	e pP	07:35:15.69
PVAQ	e pP	07:35:20.84

<b>05-Jan</b>	<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	08:22:49.01		HZ		
		e S	08:23:30.13		H1		
	PBAR	e S	08:23:30.74		HE		

<b>05-Jan</b>	<b>Ho</b>	<b>08:58:00.9</b>	<b>Lat</b>	<b>35.516°N</b>	<b>Lon</b>	<b>03.630°W</b>	<b>ML 2.2</b>
	<b>Região: Alboran</b>				<b>Prof</b>	<b>12*</b>	
	<b>AxMax</b>	<b>5.0</b>	<b>AxMin</b>	<b>4.0</b>	<b>Ang</b>	<b>132</b>	<b>ErrZ 0</b>
<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	08:58:58.56		HZ			
	e S	08:59:40.67		H1			
	IAML	08:59:46.87		HZ	0.005	0.8	
PBAR	e P	08:58:58.36		HZ			
	e S	08:59:41.22		HE			
	IAML	08:59:45.67		HZ	0.003	0.6	
PCVE	e P	08:59:06.16		HZ			
	e S	08:59:48.56		HN			
PTEO	e P	08:59:10.51		HZ			
	e S	09:00:00.08		HE			
PESTR	e P	08:59:16.11		HZ			
	e S	08:59:55.47		HE			
PARRA	e P	08:59:13.13		HZ			
	e S	09:00:04.96		HN			
MOE	e P	08:59:15.55		HZ			
	e S	09:00:05.01		HN			
PCBR	e P	08:59:20.80		EZ			
PSARD	e P	08:59:22.22		HZ			

<b>05-Jan</b>	<b>Ho</b>	<b>09:11:53.0</b>	<b>Lat</b>	<b>35.531°N</b>	<b>Lon</b>	<b>03.604°W</b>	<b>ML 3.4</b>
	<b>Região: Alboran</b>				<b>Prof</b>	<b>17</b>	
	<b>AxMax</b>	<b>2.9</b>	<b>AxMin</b>	<b>2.6</b>	<b>Ang</b>	<b>139</b>	<b>ErrZ 6</b>
<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	09:12:49.64		HZ			
	e S	09:13:32.28		H1			
	IAML	09:13:35.04		HZ	0.074	0.4	
PBAR	e P	09:12:50.04		HZ			
	e S	09:13:32.47		HE			
	IAML	09:13:38.87		HZ	0.062	0.5	
PBDV	e P	09:12:50.29		HZ			
	e S	09:13:33.65		HE			
	IAML	09:13:39.65		HZ	0.049	0.4	
PCVE	e P	09:12:54.43		HZ			
	e S	09:13:40.68		HE			
	IAML	09:13:53.31		HZ	0.072	0.4	
PBEJ	e P	09:12:55.85		EZ			
	e S	09:13:42.61		EN			
	IAML	09:13:44.00		EZ	0.034	0.3	
PMONC	e P	09:12:57.71		HZ			
	e S	09:13:46.96		H2			
	IAML	09:13:51.57		HZ	0.110	0.2	
MESJ	e P	09:12:57.57		HZ			
	e S	09:13:46.32		HN			
	IAML	09:13:49.80		HZ	0.038	0.3	
MORF	e P	09:12:58.87		HZ			
	e S	09:13:47.28		HN			
	IAML	09:13:55.95		HZ	0.056	0.2	
PFVI	e P	09:13:00.12		HZ			
	e S	09:13:48.42		HE			
	IAML	09:14:01.42		HZ	0.071	0.7	



<b>06-Jan</b>	<b>Ho</b>	<b>00:30:13.9</b>			<b>ML 1.4</b>
	<b>Lat</b>	<b>42.816°N</b>	<b>Lon</b>	<b>07.211°W</b>	<b>Prof 0*</b>
	<b>Região:</b>	<b>SE Lugo (ESP)</b>			<b>Rms 0.4</b>
	<b>AxMax</b>	<b>3.3</b>	<b>AxMin</b>	<b>2.2</b>	<b>Ang 85 ErrZ 0</b>
<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	00:30:33.55		HZ	
	e S	00:30:47.41		HN	
	IAML	00:30:49.82		HZ	0.002 0.2
PGAV	e P	00:30:35.41		HZ	
	e S	00:30:50.31		HN	
	IAML	00:30:51.35		HZ	0.005 0.4
PCAB	e P	00:30:37.34		EZ	
	e S	00:30:53.32		EE	
	IAML	00:30:54.09		EZ	0.008 0.5
POLO	e P	00:30:41.71		HZ	
	e S	00:31:00.74		HE	
PVRL	e S	00:31:03.23		EE	
PVIS	e Sg	00:31:20.73		HE	

<b>06-Jan</b>	<b>Ho</b>	<b>01:25:06.9</b>			<b>ML 2.3</b>
	<b>Lat</b>	<b>36.469°N</b>	<b>Lon</b>	<b>09.654°W</b>	<b>Prof 31</b>
	<b>Região:</b>	<b>SW Cabo S.Vicente</b>			<b>Rms 0.3</b>
	<b>AxMax</b>	<b>10.5</b>	<b>AxMin</b>	<b>3.4</b>	<b>Ang 51 ErrZ 16</b>
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp Per</i>
PSVI	e S	01:25:30.81		HN	
	IAML	01:25:34.26		HZ	0.037 0.3
PFVI	e P	c 01:25:22.62		HZ	
	e S	01:25:33.92		HN	
	IAML	01:25:35.27		HZ	0.049 0.1
PLAGO	e S	01:25:36.08		HE	
PALJ	e P	01:25:24.69		HZ	
	e S	01:25:38.17		H2	
	IAML	01:25:42.56		HZ	0.027 0.3
PPOR	e S	01:25:38.64		H2	
	IAML	01:25:39.82		HZ	0.070 0.2
MORF	e P	d 01:25:25.68		HZ	
	e S	01:25:39.69		HN	
	IAML	01:25:41.51		HZ	0.058 0.1
PMONC	e P	01:25:26.60		HZ	
	e S	01:25:41.19		H2	
	IAML	01:25:42.22		HZ	0.105 0.3
PTEO	e P	d 01:25:27.58		HZ	
	e S	01:25:43.18		HN	
	IAML	01:25:44.86		HZ	0.024 0.4
PBDV	e P	01:25:31.65		HZ	
	e S	01:25:49.69		HN	
	IAML	01:25:49.77		HZ	0.017 1.7
PSINE	e S	01:25:50.61		H1	
PCVE	e P	01:25:33.88		HZ	
	e S	01:25:53.79		HE	
	IAML	01:25:54.76		HZ	0.020 1.3
PTAV	e S	01:25:53.28		H1	
MESJ	e P	01:25:34.17		HZ	
	e S	01:25:54.98		HN	
	IAML	01:25:56.72		HZ	0.014 0.3
PVAQ	e P	c 01:25:34.64		HZ	
	e S	01:25:54.90		H2	
	IAML	01:25:57.29		HZ	0.023 0.1
PLOUS	e P	d 01:25:34.54		HZ	
	e S	01:25:55.47		HN	
	IAML	01:25:57.63		HZ	0.011 0.3
PAZOI	e P	01:25:36.42		HZ	
	e S	01:25:59.11		HE	
PBEJ	e P	01:25:38.54		EZ	
	e S	01:26:02.13		EE	
	IAML	01:26:04.05		EZ	0.007 0.4
MOE	e P	c 01:25:41.16		HZ	
	e S	01:26:07.21		HE	
	IAML	01:26:09.13		HZ	0.009 1.6
EVO	e P	01:25:42.75		HZ	
	e S	01:26:10.11		HE	
	IAML	01:26:11.16		HZ	0.016 0.1
PMAFR	e P	01:25:43.39		HZ	
	e S	01:26:11.77		HN	
	IAML	01:26:14.24		HZ	0.016 0.8
PARRA	e P	01:25:45.73		HZ	
	e S	01:26:15.01		HN	
	IAML	01:26:17.25		HZ	0.004 0.2

PBAR	e P	01:25:46.42		HZ	
	e S	01:26:16.23		HE	
	IAML	01:26:17.66		HZ	0.011 0.4
PMTG	e P	01:25:48.12		HZ	
	e S	01:26:19.58		HE	
	IAML	01:26:21.27		HZ	0.005 0.1
PESTR	e P	01:25:49.33		HZ	
	e S	01:26:21.27		HE	
	IAML	01:26:22.37		HZ	0.018 0.4
PSBE	e P	c 01:25:52.10		HZ	
	e S	01:26:26.88		HN	
PSARD	e P	01:25:55.40		HZ	
	e S	01:26:31.57		HE	
	IAML	01:26:34.53		HZ	0.011 0.2
PMRV	e P	c 01:25:56.70		HZ	
	e S	01:26:34.05		HN	
	IAML	01:26:36.21		HZ	0.011 0.1
PCAS	e P	01:26:00.26		HZ	
	e S	01:26:41.20		HE	
PCBR	e P	01:26:01.26		EZ	
	e S	01:26:42.40		EN	
	IAML	01:26:46.29		EZ	0.003 0.3
PVIS	e P	01:26:10.37		HZ	
	e S	01:26:59.77		HN	
POLO	e P	01:26:19.48		HZ	
	e S	01:27:14.71		HE	
PCAB	e P	01:26:22.87		EZ	
	e S	01:27:20.04		EN	
PGAV	e P	01:26:25.78		HZ	
	e S	01:27:25.30		HN	
PBRG	e P	01:26:28.34		HZ	

<b>06-Jan</b>	<b>Est</b>	<b>Fase</b>	<b>P h:m:s</b>	<b>Dur</b>	<b>Co</b>	<b>Amp</b>	<b>Per</b>
	PBAR	e P	02:05:52.85		HZ		
	PVAQ	e P	02:05:57.99		HZ		
		e S	02:06:36.68		H1		
	PBDV	e P	02:06:00.51		HZ		
	MESJ	e P	02:06:03.98		HZ		
	EVO	e P	02:06:05.69		HZ		
	PLOUS	e P	02:06:07.74		HZ		
		e S	02:06:52.81		HE		
	PARRA	e P	02:06:07.74		HZ		
	PMTG	e P	02:06:10.60		HZ		
	PSARD	e P	02:06:14.61		HZ		

06-Jan	Ho	02:32:45.5						ML	0.9
	Lat	42.136°N		Lon	07.478°W		Prof	4*	
	Região: SE Ourense (ESP)							Rms	0.3
	AxMax	2.2	AxMin	1.8	Ang	60	ErrZ	0	
Est	Fase	P h:m:s		Dur		Co			
PCAB	e Pg	02:32:56.28				EZ			
	e Sg	02:33:05.35				EE			
	IAML	02:33:08.37				EZ	0.007	0.4	
PGAV	e Pg	02:32:56.81				HZ			
	e Sg	02:33:04.84				HN			
PBRG	e Sg	02:33:05.94				HN			
POLO	e P	02:33:00.02				HZ			
	e S	02:33:10.76				HE			
PVRL	e P	02:33:01.80				EZ			
	e S	02:33:13.58				EN			
	IAML	02:33:15.41				EZ	0.003	0.3	
MVO	e S	02:33:18.06				HN			
PVIS	e Pg	02:33:12.19				HZ			
	e Sg	02:33:31.41				HE			

<b>06-Jan</b>	<b>Est</b>	<b>Fase</b>	<b>P h:m:s</b>	<b>Dur</b>	<b>Co</b>	<b>Amp</b>	<b>Per</b>
	PBAR	e P	02:51:07.31		HZ		
		e S	02:51:51.87		HN		
	PARRA	e P	02:51:20.64		HZ		

<b>06-Jan</b>	<b>Ho</b>	<b>05:18:27.6</b>			<b>ML 0.4</b>
	<b>Lat</b>	<b>37.310°N</b>	<b>Lon</b>	<b>08.573°W</b>	<b>Prof 2*</b>
	<b>Região:</b>	<b>SW Monchique</b>			<b>Rms 0.4</b>
	<b>AxMax</b>	<b>3.3</b>	<b>AxMin</b>	<b>2.5</b>	<b>Ang 151</b>
					<b>ErrZ 0</b>
<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 05:18:28.76		HZ	
	e Sg	05:18:30.35		HN	
	IAML	05:18:30.41		HZ	0.036 0.1
PTEO	e Pg	05:18:32.90		HZ	
	e Sg	05:18:35.70		HE	
PFVI	e Sg	05:18:35.46		HE	
PBDV	e Sg	05:18:44.46		HN	
PCVE	e Sg	05:18:43.89		HE	
PVAQ	e Sg	05:18:49.60		H2	
PLOUS	e P	05:18:40.74		HZ	
	e S	05:18:50.92		HE	
PBAR	e S	05:19:13.57		HN	

<b>06-Jan</b>	<b>Ho</b>	<b>05:24:05.8</b>			<b>ML 2.3</b>
	<b>Lat</b>	<b>35.470°N</b>	<b>Lon</b>	<b>03.635°W</b>	<b>Prof 17</b>
	<b>Região:</b>	<b>NE Al Hoceima (MARR)</b>			<b>Rms 0.4</b>
	<b>AxMax</b>	<b>6.6</b>	<b>AxMin</b>	<b>4.5</b>	<b>Ang 102</b>
					<b>ErrZ 11</b>
<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	05:25:03.30		HZ	
	e S	05:25:45.28		H2	
	IAML	05:25:47.58		HZ	0.007 0.1
PBAR	e P	05:25:03.45		HZ	
	e S	05:25:45.67		HE	
	IAML	05:25:47.52		HZ	0.004 0.3
PBDV	e P	05:25:04.03		HZ	
	e S	05:25:47.30		HN	
	IAML	05:25:52.54		HZ	0.004 0.3
PCVE	e S	05:25:53.62		HN	
	IAML	05:25:56.41		HZ	0.004 0.4
PBEJ	e P	05:25:09.92		EZ	
	e S	05:25:56.38		EN	
MESJ	e P	05:25:10.80		HZ	
	e S	05:25:59.45		HN	
	IAML	05:26:03.76		HZ	0.004 0.4
MORF	e P	05:25:13.86		HZ	
PFVI	e S	05:26:03.40		HN	
PTEO	e P	05:25:14.31		HZ	
	e S	05:26:04.92		HE	
PLOUS	e P	05:25:14.49		HZ	
	e S	05:26:05.17		HE	
	IAML	05:26:09.79		HZ	0.003 0.6
PESTR	e P	05:25:17.27		HZ	
	e S	05:26:05.26		HE	
	IAML	05:26:08.60		HZ	0.002 0.9
EVO	e P	05:25:15.34		HZ	
	e S	05:26:05.15		HN	
	IAML	05:26:09.69		HZ	0.004 0.6
PARRA	e P	05:25:18.16		HZ	
	e S	05:26:09.97		HE	
	IAML	05:26:19.16		HZ	0.002 0.6
MOE	e P	05:25:17.91		HZ	
	e S	05:26:11.37		HN	
	IAML	05:26:23.99		HZ	0.005 0.4
PMRV	e P	05:25:20.44		HZ	
	e S	05:26:13.59		HN	
PMTG	e P	05:25:22.08		HZ	
	e S	05:26:17.72		HE	
PCBR	e P	05:25:26.41		EZ	
PSARD	e P	05:25:28.56		HZ	
	e S	05:26:25.47		HN	
	IAML	05:26:28.11		HZ	0.004 0.3
PSBE	e P	05:25:30.99		HZ	
	e S	05:26:33.78		HN	
MTE	e P	05:25:32.77		HZ	

<b>06-Jan</b>	<b>Ho</b>	<b>06:28:31.9</b>			<b>ML 2.0</b>
	<b>Lat</b>	<b>35.510°N</b>	<b>Lon</b>	<b>03.649°W</b>	<b>Prof 10</b>
	<b>Região:</b>	<b>Alboran</b>			<b>Rms 0.4</b>
	<b>AxMax</b>	<b>5.1</b>	<b>AxMin</b>	<b>4.1</b>	<b>Ang 105</b>
					<b>ErrZ 8</b>
<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	06:29:29.47		HZ	
	e S	06:30:11.77		H1	
	IAML	06:30:20.48		HZ	0.004 0.5

PBAR	e P	06:29:29.23		HZ	
	e S	06:30:12.29		HE	
	IAML	06:30:38.72		HZ	0.002 0.7
PBDV	e P	06:29:30.15		HZ	
PCVE	e P	06:29:33.33		HZ	
	e S	06:30:22.11		HN	
MESJ	e P	06:29:37.31		HZ	
	e S	06:30:25.98		HN	
PLOUS	e P	06:29:40.30		HZ	
EVO	e P	06:29:40.84		HZ	
	e S	06:30:31.21		HN	
PARRA	e P	06:30:43.91		HZ	
	e S	06:30:37.23		HE	
MOE	e S	06:30:38.05		HN	
PMRV	e P	06:29:45.56		HZ	
	e S	06:30:39.72		HN	
PMTG	e P	06:29:48.07		HZ	
	e S	06:30:44.54		HE	
PSARD	e P	06:29:52.94		HZ	
	e S	06:30:52.81		HE	
	IAML	06:31:01.72		HZ	0.004 0.5

<b>06-Jan</b>	<b>Ho</b>	<b>07:15:43.2</b>			<b>ML 0.7</b>
	<b>Lat</b>	<b>39.533°N</b>	<b>Lon</b>	<b>08.931°W</b>	<b>Prof 10</b>
	<b>Região:</b>	<b>SE Alcobaca</b>			<b>Rms 0.4</b>
	<b>AxMax</b>	<b>5.7</b>	<b>AxMin</b>	<b>2.4</b>	<b>Ang 112</b>
					<b>ErrZ 3</b>
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp Per</i>
PSBE	e Pg	c 07:15:45.59		HZ	
	e Sg	07:15:48.30		HN	
	IAML	07:15:49.19		HZ	0.008 0.2
PSARD	e Pg	07:15:54.53		HZ	
	e Sg	07:16:02.99		HN	
	IAML	07:16:05.30		HZ	0.004 0.1
PCAS	e Sg	07:16:02.94		HN	
PMAFR	e Sg	07:16:03.78		HN	
PMTG	e Pg	c 07:15:56.02		HZ	
	e Sg	07:16:05.81		HN	
PARRA	e P	07:16:00.89		HZ	
	e S	07:16:14.25		HN	
	IAML	07:16:16.43		HZ	0.002 1.0
MOE	e P	07:16:02.54		HZ	
	e S	07:16:17.66		HE	
PAZOI	e S	07:16:19.22		HN	
PCBR	e S	07:16:19.78		EN	
PMRV	e P	07:16:04.43		HZ	
	e S	07:16:20.37		HN	
PESTR	e P	07:16:04.32		HZ	
	e S	07:16:21.47		HN	

<b>06-Jan</b>	<b>Ho</b>	<b>07:46:28.0</b>			<b>ML 1.0</b>
	<b>Lat</b>	<b>42.447°N</b>	<b>Lon</b>	<b>07.166°W</b>	<b>Prof 4*</b>
	<b>Região:</b>	<b>E Ourense (ESP)</b>			<b>Rms 0.4</b>
	<b>AxMax</b>	<b>6.6</b>	<b>AxMin</b>	<b>3.7</b>	<b>Ang 44</b>
					<b>ErrZ 0</b>
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp Per</i>
PBRG	e Sg	07:46:50.57		HN	
PGAV	e P	07:46:45.09		HZ	
	e S	07:46:58.51		HN	
	IAML	07:47:00.26		HZ	0.003 0.5
PCAB	e S	07:46:59.25		EN	
	IAML	07:47:01.13		EZ	0.003 0.1
POLO	e S	07:47:05.20		HN	
MVO	e S	07:47:08.81		HE	
	IAML	07:47:09.20		HZ	0.003 0.5

<b>06-Jan</b>	<b>Ho</b>	<b>08:41:22.00</b>			
<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	08:41:22.00		HZ	
	e S	08:41:31.54		HE	
PVAQ	e P	08:41:23.45		HZ	
	e S	08:41:33.91		H2	
	IAML	08:41:34.85		HZ	0.001 0.1
PCVE	e S	08:41:41.72		HE	

06-Jan	Ho	09:08:32.9					ML	2.2
	Lat	35.479°N		Lon	03.597°W		Prof	22
	Região: NE Al Hoceima (MARR)						Rms	0.5
	AxMax	8.9	AxMin	6.2	Ang	129	ErrZ	12
Est	Fase	P	h:m:s		Dur	Co	Amp	Per
PVAQ	e P		09:09:30.84			HZ		
	e S		09:10:12.10			H1		
	IAML		09:10:14.13			HZ	0.004	0.4
PBAR	e P		09:09:30.27			HZ		
	e S		09:10:13.17			HN		
	IAML		09:10:14.66			HZ	0.003	0.3
PBDV	e P		09:09:31.21			HZ		
	e S		09:10:14.28			HE		
PCVE	e P		09:09:37.41			HZ		
	e S		09:10:20.36			HN		
	IAML		09:10:25.25			HZ	0.004	0.4
MESJ	e S		09:10:27.19			HE		
	IAML		09:10:39.24			HZ	0.004	0.5
PLOUS	e P		09:09:41.86			HZ		
	e S		09:10:31.58			HN		
	IAML		09:10:39.46			HZ	0.002	0.5
PESTR	e S		09:10:32.56			HE		
PARRA	e P		09:09:44.89			HZ		
	e S		09:10:37.16			HE		
	IAML		09:10:55.60			HZ	0.002	0.7
MOE	e S		09:10:38.18			HN		
	IAML		09:10:43.09			HZ	0.006	0.5
PSARD	e P		09:09:53.77			HZ		
	e S		09:10:52.28			HN		
	IAML		09:10:55.90			HZ	0.004	0.6
06-Jan								
Est	Fase	P	h:m:s		Dur	Co	Amp	Per
PARRA	e Pg	c	10:08:36.39			HZ		
	e Sg		10:08:38.07			HE		
	IAML		10:08:38.27			HZ	0.002	0.1
06-Jan								
Est	Fase	P	h:m:s		Dur	Co	Amp	Per
PBAR	e Sg		11:04:18.68			HE		
	IAML		11:04:26.03			HZ	0.002	0.4
PVAQ	e Sg		11:04:36.65			H2		
PESTR	e Sg		11:04:36.71			HE		
PARRA	e Sg		11:04:45.99			HN		
MOE	e Sg		11:04:53.84			HN		
06-Jan								
Est	Fase	P	h:m:s		Dur	Co	Amp	Per
PVAQ	e P		15:51:51.77			HZ		
	e S		15:52:02.56			H1		
	IAML		15:52:03.48			HZ	0.002	0.3
PBDV	e S		15:52:02.21			HN		
PCVE	e S		15:52:12.43			HN		
PBAR	e S		15:52:22.23			HE		
06-Jan	Ho	16:13:01.8					ML	1.2
	Lat	36.578°N		Lon	07.983°W		Prof	27
	Região: Golfo de Cádiz						Rms	0.3
	AxMax	8.5	AxMin	7.3	Ang	119	ErrZ	6
Est	Fase	P	h:m:s		Dur	Co	Amp	Per
PBDV	e P		16:13:14.59			HZ		
	e S		16:13:23.33			HE		
	IAML		16:13:28.24			HZ	0.005	0.6
PVAQ	e P		16:13:16.65			HZ		
	e S		16:13:27.54			H2		
	IAML		16:13:30.72			HZ	0.003	0.1
PCVE	e P		16:13:19.62			HZ		
	e S		16:13:32.54			HN		
	IAML		16:13:33.39			HZ	0.003	0.4
PTEO	e S		16:13:34.86			HN		
PLOUS	e P		16:13:25.21			HZ		
	e S		16:13:42.57			HN		
PBAR	e S		16:13:49.62			HN		
MOE	e P		16:13:32.01			HZ		
	e S		16:13:55.15			HN		
PARRA	e P		16:13:35.41			HZ		
	e S		16:14:00.61			HN		
PMTG	e S		16:14:07.79			HE		

06-Jan	Ho	16:25:07.3	Distante (NEIC)		Mw	6.1
	Lat	11.959°N	Lon	87.147°W	Prof	27
Região: Near Coast of Nicaragua						
Est	Fase	P	h:m:s	Dur	Co	Amp Per
PMOZ	e LR		16:56:13.85		LZ	
	IAMs_20		16:59:17.88		LZ	8.877 24
PMAFR	e P		16:36:36.88		BZ	
PTEO	e P		16:36:38.07		BZ	
	IAMB		16:37:16.93		BZ	0.124 2.0
MORF	e P		16:36:38.10		BZ	
	IAMB		16:37:44.87		BZ	0.099 1.6
PCAS	e P		16:36:38.01		BZ	
	IAMB		16:37:12.57		BZ	0.200 1.5
COI	e P		16:36:38.75		BZ	
	IAMB		16:37:12.82		BZ	0.194 1.6
PGAV	e P		16:36:41.30		BZ	
	IAMB		16:36:44.80		BZ	0.102 1.8
	e SKS		16:46:44.97		LE	
	e LQ		16:56:50.11		LN	
	e LR		16:59:28.09		LZ	
	IAMs_20		17:11:50.67		LZ	4.921 18
PLOUS	e P		16:36:40.86		BZ	
MOE	e P		16:36:38.55		BZ	
	IAMB		16:37:28.00		BZ	0.072 1.6
PMTG	e P		16:36:38.35		BZ	
	IAMB		16:37:12.89		BZ	0.077 1.7
PSARD	e P		16:36:40.45		BZ	
	IAMB		16:37:24.72		BZ	0.086 1.6
MESJ	e P		16:36:39.42		BZ	
	IAMB		16:37:24.40		BZ	0.056 1.7
PARRA	e P		16:36:39.86		BZ	
	IAMB		16:37:13.96		BZ	0.064 1.6
EVO	e P		16:36:40.12		BZ	
	IAMB		16:37:19.67		BZ	0.042 1.7
PCVE	e P		16:36:40.32		BZ	
	IAMB		16:37:46.62		BZ	0.045 1.7
POLO	e P		16:36:40.41		BZ	
	IAMB		16:37:15.05		BZ	0.033 1.6
PBDV	e P		16:36:42.56		BZ	
	IAMB		16:37:49.73		BZ	0.109 1.7
PBEJ	e P		16:36:41.04		SZ	
	IAMB		16:37:19.06		SZ	0.047 1.4
MTE	e P		16:36:42.16		BZ	
	IAMB		16:37:16.27		BZ	0.094 1.7
	e SKS		16:46:50.81		LE	
	e SS		16:51:16.62		LN	
	e LR		16:59:59.72		LZ	
	IAMs_20		17:05:24.79		LZ	10.09 22
PVAQ	e P		16:36:44.50		BZ	
	e SKS		16:46:53.90		L2	
	e SS		16:51:19.25		L2	
	e LR		17:00:13.16		LZ	
	IAMs_20		17:03:22.26		LZ	12.77 22
PESTR	e P		16:36:42.50		BZ	
	IAMB		16:37:27.76		BZ	0.074 1.7
PCBR	e P		16:36:41.47		SZ	
	IAMB		16:37:16.79		SZ	0.096 1.5
PMRV	e P		16:36:41.92		BZ	
	IAMB		16:37:27.53		BZ	0.080 1.6
	e SKS		16:46:51.25		LE	
	e SS		16:51:22.69		LE	
	e LR		16:59:33.77		LZ	
	IAMs_20		17:03:29.43		LZ	8.156 22
MVO	e P		16:36:43.64		BZ	
	IAMB		16:37:22.63		BZ	0.084 1.4
	e SKS		16:46:57.50		LE	
	e LQ		16:56:53.65		LN	
	e LR		16:59:54.45		LZ	
	IAMs_20		17:06:06.02		LZ	6.274 20
PBAR	e P		16:36:44.32		BZ	
	IAMB		16:37:19.53		BZ	0.059 1.5
PBRG	e P		16:36:44.88		BZ	
	IAMB		16:37:19.65		BZ	0.112 1.6

**06-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>
PVAQ	e P	19:34:33.10		HZ		
	e S	19:34:40.58		H2		
PBDV	e S	19:34:36.60		HE		
PCVE	e S	19:34:45.70		HE		

**06-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>
PFVI	e P	20:33:01.19		HZ		
	e S	20:33:19.13		HN		
PLOUS	e P	20:33:09.26		HZ		
	e S	20:33:33.56		HN		
PCVE	e P	20:33:12.19		HZ		
MOE	e P	20:33:13.58		HZ		
	e S	20:33:41.66		HN		
MORF	e S	20:33:23.44		HN		
PBAR	e P	20:33:24.59		HZ		
	e S	20:33:59.39		HE		
PTEO	e S	20:33:24.81		HN		
PMRV	e P	20:33:29.74		HZ		
	e S	20:34:08.81		HN		
PBDV	e S	20:33:37.37		HE		
PVAQ	e S	20:33:42.17		H1		
PARRA	e S	20:33:50.42		HN		
PMTG	e S	20:33:52.58		HN		

**06-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>
PVAQ	e S	21:35:33.96		H1		
PBDV	e S	21:35:35.75		HE		
PBAR	e S	21:35:36.55		HN		

<b>06-Jan</b>	<b>Ho</b>	<b>22:06:55.1</b>			<b>ML 2.1</b>
	<b>Lat</b>	<b>35.580°N</b>	<b>Lon</b>	<b>03.741°W</b>	<b>Prof 2*</b>
	<b>Região:</b>	<b>Alboran</b>			<b>Rms 0.5</b>
	<b>AxMax</b>	<b>5.0</b>	<b>AxMin</b>	<b>4.5</b>	<b>Ang 166</b>
					<b>ErrZ 0</b>

<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	22:07:54.05		HZ		
	e S	22:08:34.30		H2		
	IAML	22:08:38.54		HZ	0.004	0.5
PBAR	e P	22:07:52.37		HZ		
	e S	22:08:35.62		HN		
	IAML	22:08:39.22		HZ	0.002	0.4
PBDV	e P	22:07:53.52		HZ		
	e S	22:08:36.51		HE		
	IAML	22:08:41.04		HZ	0.003	0.1
PCVE	e S	22:08:43.44		HN		
	IAML	22:08:46.34		HZ	0.004	0.4
MESJ	e P	22:08:01.39		HZ		
	e S	22:08:48.09		HE		
	IAML	22:08:50.73		HZ	0.004	0.4
PTEO	e P	22:08:05.25		HZ		
	e S	22:08:54.65		HN		
PLOUS	e P	22:08:04.38		HZ		
	e S	22:08:54.18		HN		
PESTR	e P	22:08:07.30		HZ		
	e S	22:08:54.49		HE		
EVO	e P	22:08:05.13		HZ		
	e S	22:08:53.95		HN		
	IAML	22:08:57.07		HZ	0.003	0.4
PARRA	e P	22:08:06.84		HZ		
	e S	22:08:58.98		HE		
	IAML	22:09:03.17		HZ	0.002	0.2
MOE	e S	22:08:59.70		HN		
	IAML	22:09:03.70		HZ	0.004	0.7
PMRV	e P	22:08:09.50		HZ		
PMTG	e P	22:08:11.56		HZ		
	e S	22:09:06.58		HN		
PCBR	e P	22:08:15.23		EZ		
PSARD	e P	22:08:17.08		HZ		
	e S	22:09:15.32		HN		
	IAML	22:09:17.73		HZ	0.003	0.6

**06-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>
PMTG	e P	23:01:53.58		HZ		
	e S	23:02:44.35		HN		
PLOUS	e S	23:02:31.79		HN		
PCVE	e S	23:02:38.16		HN		
PVAQ	e S	23:02:42.24		H2		
PMRV	e S	23:03:01.65		HE		

<b>07-Jan</b>	<b>Ho</b>	<b>02:07:34.0</b>			<b>ML 0.4</b>
	<b>Lat</b>	<b>39.572°N</b>	<b>Lon</b>	<b>09.003°W</b>	<b>Prof 10</b>
	<b>Região:</b>	<b>NW Alcobaca</b>			<b>Rms 0.3</b>
	<b>AxMax</b>	<b>5.9</b>	<b>AxMin</b>	<b>1.8</b>	<b>Ang 91</b>
					<b>ErrZ 3</b>

<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 Pg	02:07:37.25		HZ		
	e Sg	02:07:40.18		HN		
PCAS	e Pg	02:07:44.89		HZ		
	e Sg	02:07:54.13		HE		
PSARD	e Pg	02:07:46.67		HZ		
	e Sg	02:07:54.73		HN		
	IAML	02:07:57.80		HZ	0.002	0.2
PMTG	e P	02:07:48.08		HZ		
	e S	02:07:58.54		HE		
	IAML	02:07:59.58		HZ	0.001	0.1
PARRA	e P	02:07:52.98		HZ		
	e S	02:08:07.50		HN		
MOE	e P	02:07:54.59		HZ		
	e S	02:08:10.22		HE		
PMRV	e S	02:08:12.42		HN		
EVO	e Sn	02:08:13.68		HE		
PESTR	e Sn	02:08:13.75		HN		

**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 P	02:41:19.34		HZ		
	e S	02:42:01.99		HN		
EVO	e P	02:41:28.88		HZ		
	e S	02:42:20.50		HN		
PARRA	e P	02:41:32.69		HZ		
	e S	02:42:24.32		HE		
PMRV	e P	02:41:34.73		HZ		
PVAQ	e S	02:41:59.47		H2		
PBDV	e S	02:42:01.28		HN		

<b>07-Jan</b>	<b>Ho</b>	<b>02:43:29.9</b>			<b>ML 1.8</b>
	<b>Lat</b>	<b>35.558°N</b>	<b>Lon</b>	<b>03.584°W</b>	<b>Prof 7</b>
	<b>Região:</b>	<b>Alboran</b>			<b>Rms 0.5</b>
	<b>AxMax</b>	<b>4.0</b>	<b>AxMin</b>	<b>3.1</b>	<b>Ang 66</b>
					<b>ErrZ 6</b>

<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	02:44:27.21		HZ		
	e S	02:45:10.52		HE		
PVAQ	e P	02:44:27.72		HZ		
	e S	02:45:08.83		H2		
PBDV	e P	02:44:30.02		HZ		
	e S	02:45:11.53		HE		
	IAML	02:45:11.94		HZ	0.002	0.2
PCVE	e S	02:45:17.47		HN		
MESJ	e P	02:44:35.40		HZ		
	e S	02:45:23.12		HN		
PTEO	e S	02:45:29.86		HE		
PESTR	e P	02:44:39.51		HZ		
	e S	02:45:29.02		HN		
PLOUS	e P	02:44:39.43		HZ		
	e S	02:45:29.41		HE		
EVO	e P	02:44:38.94		HZ		
	e S	02:45:29.36		HE		
	IAML	02:45:33.11		HZ	0.002	0.3
PARRA	e P	02:44:41.76		HZ		
	e S	02:45:33.45		HE		
MOE	e S	02:45:34.75		HE		
PMRV	e P	02:44:43.04		HZ		
	e S	02:45:36.33		HE		
PMTG	e P	02:44:45.69		HZ		
	e S	02:45:41.01		HN		
PCBR	e P	02:44:48.72		EZ		
PSARD	e P	02:44:50.51		HZ		

<b>07-Jan</b>	<b>Ho</b>	<b>03:30:55.6</b>			<b>ML 2.5</b>		
	<b>Lat</b>	<b>38.319°N</b>	<b>Lon</b>	<b>01.336°W</b>	<b>Prof 11</b>		
	<b>Região: NW Murcia (ESP)</b>				<b>Rms 0.5</b>		
	<b>AxMax</b>	<b>2.3</b>	<b>AxMin</b>	<b>2.2</b>	<b>Ang 47</b>	<b>ErrZ 5</b>	
<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	03:32:01.95		HZ			
	e Sg	03:33:19.30		HN			
	IAML	03:33:31.50		HZ	0.008	0.6	
PMRV	e Pn	03:32:08.40		HZ			
	e Sg	03:33:28.74		HE			
	IAML	03:33:47.96		HZ	0.007	0.7	
PESTR	e Pn	03:32:07.75		HZ			
	e Sg	03:33:30.92		HN			
	IAML	03:33:45.93		HZ	0.006	0.8	
PCBR	e Pn	03:32:10.39		EZ			
	IAML	03:33:53.58		EZ	0.004	0.6	
PVAQ	e Pn	03:32:11.11		HZ			
	e Sn	03:33:09.80		H1			
	IAML	03:33:48.21		HZ	0.005	0.9	
PARRA	e Pn	03:32:12.69		HZ			
	e Sg	03:33:40.62		HE			
	IAML	03:33:47.41		HZ	0.005	0.5	
PBDV	e Pn	03:32:13.90		HZ			
PCVE	e Pn	03:32:14.08		HZ			
PBRG	e Pn	03:32:15.70		HZ			
	e Sg	03:33:49.25		HN			
	IAML	03:33:54.51		HZ	0.005	0.7	
PMTG	e Pn	03:32:15.66		HZ			
	e Sg	03:33:48.14		HE			
	IAML	03:33:53.12		HZ	0.006	0.6	
PSARD	e Pn	03:32:16.55		HZ			
	IAML	03:33:58.64		HZ	0.010	0.7	
PCAS	e Pn	03:32:21.23		HZ			
PTEO	e Pn	03:32:22.46		HZ			

<b>07-Jan</b>	<b>Ho</b>	<b>03:39:15.8</b>			<b>ML 1.8</b>		
	<b>Lat</b>	<b>35.179°N</b>	<b>Lon</b>	<b>03.917°W</b>	<b>Prof 6</b>		
	<b>Região: S Al Hoceima (MARR)</b>				<b>Rms 0.5</b>		
	<b>AxMax</b>	<b>3.2</b>	<b>AxMin</b>	<b>2.4</b>	<b>Ang 109</b>	<b>ErrZ 6</b>	
<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	03:40:13.07		HZ			
	e S	03:40:55.74		H2			
	IAML	03:40:57.88		HZ	0.002	0.5	
PBDV	e P	03:40:14.10		HZ			
	e S	03:40:57.62		HE			
PBAR	e P	03:40:14.86		HZ			
	e S	03:40:59.19		HN			
PCVE	e P	03:40:19.03		HZ			
MESJ	e P	03:40:22.13		HZ			
	e S	03:41:09.54		HE			
PTEO	e P	03:40:24.28		HZ			
	e S	03:41:15.56		HN			
EVO	e P	03:40:26.54		HZ			
PESTR	e P	03:40:26.66		HZ			
	e S	03:41:19.52		HE			
PARRA	e P	03:40:29.24		HZ			
	e S	03:41:24.43		HE			
PMRV	e P	03:40:31.42		HZ			
PMTG	e P	03:40:33.09		HZ			
	e S	03:41:30.89		HN			
PCBR	e P	03:40:37.83		EZ			
PSARD	e P	03:40:38.29		HZ			
	e S	03:41:39.94		HN			

<b>07-Jan</b>	<b>Ho</b>	<b>04:46:14.13</b>					
<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 Pn	04:46:14.13		HZ			
	e Sn	04:46:41.12		H1			
	IAML	04:46:41.65		HZ	0.001	0.1	
PBAR	e Pn	04:46:14.19		HZ			
	e Sn	04:46:41.19		HE			
PLOUS	e Pn	04:46:24.06		HZ			
PARRA	e Pn	04:46:28.29		HZ			
	e Sn	04:47:05.36		HN			
PMRV	e Pn	04:46:30.36		HZ			
PSARD	e Pn	04:46:36.88		HZ			
PBDV	e Sn	04:46:43.70		HE			
PCVE	e Sn	04:46:48.59		HE			

PFVI	e Sn	04:47:00.34	HE
PMTG	e Sn	04:47:11.25	HN

<b>07-Jan</b>	<b>Ho</b>	<b>04:50:21.3</b>			<b>ML 1.8</b>		
	<b>Lat</b>	<b>36.539°N</b>	<b>Lon</b>	<b>05.018°W</b>	<b>Prof 24</b>		
	<b>Região: NE Gibraltar (ESP)</b>				<b>Rms 0.5</b>		
	<b>AxMax</b>	<b>7.9</b>	<b>AxMin</b>	<b>2.7</b>	<b>Ang 164</b>	<b>ErrZ 5</b>	
<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	04:50:56.54		HZ			
	e S	04:51:21.87		HE			
	IAML	04:51:26.00		HZ	0.002	0.1	
PVAQ	e P	04:50:56.87		HZ			
	e S	04:51:22.42		H1			
	IAML	04:51:25.42		HZ	0.005	0.1	
PBDV	e P	04:50:58.78		HZ			
	e S	04:51:26.48		HE			
PCVE	e P	04:51:01.36		HZ			
	e S	04:51:31.51		HN			
	IAML	04:51:33.29		HZ	0.002	0.3	
PBEJ	e P	04:51:02.41		EZ			
	e S	04:51:32.64		EE			
MESJ	e P	04:51:04.18		HZ			
	e S	04:51:36.02		HE			
	IAML	04:51:38.90		HZ	0.003	0.2	
PESTR	e P	04:51:08.55		HZ			
	e S	04:51:40.54		HE			
PLOUS	e P	04:51:07.49		HZ			
	e S	04:51:42.14		HE			
EVO	e P	04:51:08.35		HZ			
	e S	04:51:42.75		HN			
PTEO	e P	04:51:08.21		HZ			
	e S	04:51:44.02		HN			
PARRA	e P	04:51:10.89		HZ			
	e S	04:51:47.81		HE			
PMRV	e P	04:51:12.93		HZ			
	e S	04:51:51.49		HN			
PMTG	e P	04:51:14.82		HZ			
	e S	04:51:53.30		HE			
PCBR	e P	04:51:18.33		EZ			
	e S	04:51:58.58		EE			
PSARD	e P	04:51:19.68		HZ			
	e S	04:52:01.62		HN			

<b>07-Jan</b>	<b>Ho</b>	<b>05:15:32.93</b>					
<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	05:15:32.93		HZ			
	e Sg	05:15:34.35		HN			
PVAQ	e Pg	05:15:34.18		HZ			
	e Sg	05:15:36.52		H1			

<b>07-Jan</b>	<b>Ho</b>	<b>07:11:28.2</b>			<b>ML 1.5</b>		
	<b>Lat</b>	<b>36.717°N</b>	<b>Lon</b>	<b>07.536°W</b>	<b>Prof 23</b>		
	<b>Região: Golfo de Cádiz</b>				<b>Rms 0.3</b>		
	<b>AxMax</b>	<b>5.2</b>	<b>AxMin</b>	<b>4.1</b>	<b>Ang 12</b>	<b>ErrZ 3</b>	
<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	07:11:39.74		HZ			
	e S	07:11:48.60		HE			
	IAML	07:11:49.50		HZ	0.003	0.1	
PVAQ	e P	07:11:40.97		HZ			
	e S	07:11:50.43		H2			
	IAML	07:11:51.35		HZ	0.008	0.2	
PCVE	e P	07:11:45.30		HZ			
	e S	07:11:58.29		HE			
	IAML	07:11:58.62		HZ	0.003	0.1	
MORF	e S	07:11:59.93		HE			
PFVI	e S	07:11:59.89		HE			
MESJ	e P	07:11:48.64		HZ			
	e S	07:12:03.76		HE			
	IAML	07:12:06.41		HZ	0.004	0.4	
PTEO	e P	07:11:48.87		HZ			
	e S	07:12:04.19		HE			
PBEJ	e S	07:12:06.15		EE			
	IAML	07:12:07.98		EZ	0.002	0.3	
PLOUS	e P	07:11:51.94		HZ			
	e S	07:12:10.20		HE			
PBAR	e Pn	07:11:52.30		HZ			
	e Sn	07:12:10.17		HE			
	IAML	07:12:17.06		HZ	0.001	0.3	





07-Jan							PARRA	e P	16:23:18.66	HZ				
Est	Fase	P h:m:s	Dur	Co	Amp	Per		e S	16:24:11.80	HN				
PVAQ	e S	12:13:38.72		H2				IAML	16:24:23.63	HZ	0.004	0.6		
		IAML	12:13:41.99	HZ	0.003	0.3	MOE	e P	16:23:18.63	HZ				
PBAR	e S	12:13:38.79		HN				e S	16:24:12.13	HE				
		IAML	12:13:59.99	HZ	0.002	0.7		IAML	16:24:23.77	HZ	0.007	0.5		
PBDV	e S	12:13:39.49		HN			PMRV	e P	16:23:20.66	HZ				
								e S	16:24:14.25	HE				
07-Jan	Ho	12:36:01.8			ML	2.2	PMTG	e P	16:23:22.71	HZ				
	Lat	35.521°N	Lon	03.732°W	Prof	4		e S	16:24:18.43	HE				
	Região:	Alboran			Rms	0.5		IAML	16:24:43.79	HZ	0.004	0.6		
	AxMax	3.0	AxMin	3.0	Ang	99	PSARD	e P	16:23:27.50	HZ				
Est	Fase	P h:m:s	Dur	Co	Amp	Per		e S	16:24:26.73	HE				
PVAQ	e P	12:36:58.99		HZ				IAML	16:24:29.88	HZ	0.009	0.2		
		IAML	12:37:43.94	HZ	0.005	0.5	MVO	e P	16:23:39.24	HZ				
PBAR	e P	12:36:59.65		HZ			PBRG	e P	16:23:45.42	HZ				
		IAML	12:37:42.51	HN			07-Jan Ho 17:45:30.7 Distante (NEIC) Mw 6.6							
		IAML	12:37:47.79	HZ	0.003	0.4			Lat 37.802°N	Lon 101.245°E	Prof 13			
PBDV	e P	12:36:59.94		HZ					Região:	Qinghai, China				
		IAML	12:37:43.17	HE			Est	Fase	P h:m:s	Dur	Co	Amp	Per	
PCVE	e P	12:37:03.75		HZ			PBRG	e P	17:57:25.95		BZ			
		IAML	12:37:49.83	HN				IAMB	17:57:30.25		BZ	0.240	1.7	
MESJ	e P	12:37:07.00		HZ	0.005	0.7		e PP	18:00:18.10		BZ			
		IAML	12:37:55.31	HE			MVO	e P	17:57:29.05		BZ			
		IAML	12:37:56.47	HZ	0.004	0.4		IAMB	17:57:33.50		BZ	0.242	1.8	
MORF	e S	12:37:56.98		HN				e PP	18:00:25.13		BZ			
		IAML	12:38:00.77	HZ	0.003	0.2		e S	18:07:24.55		LN			
PFVI	e S	12:37:58.16		HE				e SS	18:12:24.67		LN			
PESTR	e S	12:38:01.31		HN				e LR	18:23:27.66		LZ			
		IAML	12:38:05.41	HZ	0.004	0.5		IAMS_20	18:34:42.02		LZ	98.38	20	
PARRA	e P	12:37:14.06		HZ			PGAV	e P	17:57:30.25		BZ			
		IAML	12:38:09.22	HZ	0.002	0.7		IAMB	17:57:35.77		BZ	0.348	1.9	
MOE	e S	12:38:07.30		HN				e PP	18:00:24.83		BZ			
PMRV	e P	12:37:15.51		HZ				e S	18:07:26.15		LN			
		IAML	12:38:09.46	HE				e SS	18:12:31.28		LN			
PMTG	e P	12:37:18.02		HZ				e LR	18:23:26.66		LZ			
		IAML	12:38:13.02	HN				IAMS_20	18:35:36.38		LZ	54.59	20	
PSARD	e P	12:37:22.75		HZ			PCAB	e P	17:57:30.37		SZ			
		IAML	12:38:27.71	HZ	0.005	0.4		IAMB	17:57:34.97		SZ	0.510	1.5	
07-Jan							POLO	e P	17:57:31.58		BZ			
Est	Fase	P h:m:s	Dur	Co	Amp	Per		IAMB	17:57:35.43		BZ	0.117	1.6	
PBAR	e Sn	13:26:24.01		HE				e PP	18:00:27.20		BZ			
		IAML	13:26:35.28	HE				e P	17:57:30.89		SZ			
PESTR	e Sg	13:26:52.95		HN				IAMB	17:57:35.40		SZ	0.211	1.7	
PVAQ	e Sg	13:26:53.77		H2			MTE	e P	17:57:33.66		BZ			
PSARD	e Sg	13:27:12.81		HE				IAMB	17:57:39.25		BZ	0.384	1.8	
07-Jan Ho 16:22:07.0 ML 2.4								e S	18:07:33.32		LN			
	Lat	35.500°N	Lon	03.649°W	Prof	12		e SS	18:12:33.20		LE			
	Região:	Alboran			Rms	0.6		e LR	18:24:12.00		LZ			
	AxMax	4.6	AxMin	3.9	Ang	123		IAMS_20	18:35:14.68		LZ	78.64	20	
Est	Fase	P h:m:s	Dur	Co	Amp	Per	PVIS	e P	17:57:33.33		BZ			
PVAQ	e P	16:23:04.35		HZ			PTO	e P	17:57:35.64		SZ			
		IAML	16:23:46.22	H2				IAMB	17:57:38.73		SZ	0.293	1.6	
		IAML	16:23:54.28	HZ	0.007	0.3	PCBR	e P	17:57:35.68		SZ			
PBAR	e P	16:23:04.35		HZ				IAMB	17:57:39.84		SZ	0.166	1.7	
		IAML	16:23:52.62	HZ	0.005	0.2		e PP	18:00:33.51		SZ			
PBDV	e P	16:23:05.08		HZ			PMRV	e P	17:57:36.55		BZ			
		IAML	16:23:48.45	HE				IAMB	17:57:41.81		BZ	0.425	1.7	
		IAML	16:23:59.57	HZ	0.005	0.7		e PP	18:00:36.78		BZ			
PCVE	e P	16:23:09.38		HZ				e S	18:07:41.74		LN			
		IAML	16:24:07.04	HZ	0.006	0.7		e SS	18:12:40.39		LE			
MESJ	e P	16:23:12.41		HZ				e LR	18:24:26.87		LZ			
		IAML	16:24:00.44	HN				IAMS_20	18:36:05.49		LZ	68.85	20	
		IAML	16:24:07.60	HZ	0.007	0.4	COI	e P	17:57:37.49		BZ			
PLOUS	e P	16:23:15.68		HZ				IAMB	17:57:41.60		BZ	0.502	1.4	
		IAML	16:24:07.65	HZ	0.005	0.5		e P	17:57:42.41		BZ	0.381	1.6	
PESTR	e P	16:23:16.62		HZ				e PP	18:00:37.59		BZ			
		IAML	16:24:11.30	HE	0.004	0.7		PSARD	e P	17:57:38.28		BZ	0.324	1.7
				HE				IAMB	17:57:42.90		BZ			
				HZ			PESTR	e P	17:57:40.21		BZ			
				HZ				IAMB	17:57:44.26		BZ	0.313	1.8	
				HZ				e PP	18:00:37.27		BZ			
				HZ			PBAR	e P	17:57:39.54		BZ			
				HZ				IAMB	17:57:44.15		BZ	0.332	1.7	
				HE				e PP	18:00:40.04		BZ			
				HZ			PMTG	e P	17:57:41.61		BZ			



	e S	01:52:36.37	HE		IAMB	03:37:14.30	BZ	0.121	1.7		
EVO	e P	01:51:50.81	HZ	PMTG	e P	03:36:58.30	BZ				
	e S	01:52:39.70	HE		IAMB	03:37:09.21	BZ	0.042	1.9		
PESTR	e P	01:51:51.71	HZ	PESTR	e P	03:36:59.65	BZ				
	e S	01:52:42.06	HE		IAMB	03:37:06.79	BZ	0.048	1.6		
MOE	e P	01:51:52.95	HZ	PMRV	e P	03:37:01.82	BZ				
	e S	01:52:44.88	HN	PVRL	e P	03:37:05.57	SZ				
PARRA	e P	01:51:53.51	HZ		IAMB	03:37:06.15	SZ	0.049	2.0		
	e S	01:52:44.30	HE								
PMRV	e P	01:51:56.67	HZ	08-Jan	Ho	03:51:47.2		ML	1.5		
	e S	01:52:49.96	HN		Lat	36.540°N	Lon	04.559°W	Prof	87	
PSARD	e P	01:52:03.22	HZ		Região:	SW Malaga (ESP)		Rms	0.4		
	e S	01:53:02.00	HN		AxMax	9.3	AxMin	3.6	Ang	66	
	IAML	01:53:04.31	HZ	0.005	0.6			ErrZ	9		
08-Jan	Ho	03:34:25.1			Est	Fase	P h:m:s	Dur	Co	Amp Per	
	Lat	38.465°N	Lon	08.157°W	PBAR	e S	03:52:56.12		HE		
	Região:	SE Montemor-o-Novo			PVAQ	e P	03:52:28.57		HZ		
	AxMax	3.9	AxMin	1.9		e S	03:52:58.23		H2		
						IAML	03:53:03.93		HZ	0.004 0.5	
Est	Fase	P h:m:s	Dur	Co	PBDV	e P	03:52:30.70		HZ		
EVO	e Pg	03:34:27.78		HZ		e S	03:53:00.96		HE		
	e Sg	03:34:30.07		HN	PCVE	e P	03:52:33.05		HZ		
	IAML	03:34:30.33		HZ		e S	03:53:06.15		HN		
MOE	e Pg	03:34:28.14		HZ	PBEJ	e S	03:53:06.87		EN		
	e Sg	03:34:30.79		HE	MESJ	e S	03:53:09.92		HN		
	IAML	03:34:31.02		HZ	PESTR	e S	03:53:13.99		HN		
PARRA	e Pg	03:34:31.70		HZ	EVO	e S	03:53:15.21		HE		
	e Sg	03:34:36.65		HE	PLOUS	e S	03:53:15.68		HE		
	IAML	03:34:36.80		HZ	PARRA	e S	03:53:19.30		HN		
PBEJ	e Sg	03:34:39.03		EN	PMRV	e S	03:53:20.60		HN		
PESTR	e Pg	03:34:36.06		HZ	08-Jan	Ho	04:20:02.6		ML	0.5	
	e Sg	03:34:44.08		HE		Lat	38.801°N	Lon	08.112°W	Prof	10
PMTG	e Pg	03:34:35.98		HZ		Região:	NW Arraiolos		Rms	0.2	
	e Sg	03:34:43.98		HN		AxMax	2.0	AxMin	0.9	Ang	94
	IAML	03:34:47.22		HZ	0.007	0.1			ErrZ	2	
MESJ	e Sg	03:34:45.21		HN	Est	Fase	P h:m:s	Dur	Co	Amp Per	
PCVE	e P	03:34:41.07		HZ	PARRA	e Pg	04:20:04.64		HZ		
	e S	03:34:51.38		HE		e Sg	04:20:06.47		HN		
PBAR	e P	03:34:42.57		HZ		IAML	04:20:06.57		HZ	0.010 0.3	
	e S	03:34:54.38		HN	EVO	e Pg	04:20:07.84		HZ		
	IAML	03:34:57.80		HZ		e Sg	04:20:12.02		HE		
PTEO	e S	03:34:56.97		HN		IAML	04:20:14.47		HZ	0.005 0.1	
PVAQ	e P	03:34:45.58		HZ	PMTG	e Pg	04:20:07.79		HZ		
	e S	03:34:59.36		H1		e Sg	04:20:11.82		HN		
	IAML	03:35:04.78		HZ		IAML	04:20:12.57		HZ	0.003 0.4	
PMRV	e P	03:34:45.76		HZ	MOE	e Pg	04:20:08.54		HZ		
	e S	03:35:00.04		HN		e Sg	04:20:13.32		HE		
	IAML	03:35:01.27		HZ	PESTR	e Pg	04:20:10.32		HZ		
PSARD	e P	03:34:45.89		HZ		e Sg	04:20:15.85		HE		

EVO	e P	05:29:43.22	HZ			IAMB	12:13:47.27	BZ	0.053	1.7
	e S	05:29:57.08	HN			MVO	e P	12:13:37.67	BZ	
	IAML	05:29:59.24	HZ	0.005	0.3		IAMB	12:13:50.66	BZ	0.043 1.4
PARRA	e P	05:29:44.04	HZ			PMRV	e P	12:13:39.90	BZ	
	e S	05:29:59.13	HE			MTE	e P	12:13:44.75	BZ	
	IAML	05:30:00.19	HZ	0.006	0.4	PESTR	e P	12:13:41.37	BZ	
PMTG	e P	05:29:44.04	HZ			PBEJ	e P	12:13:45.38	SZ	
	e S	05:29:58.78	HE			PVIS	e P	12:13:43.15	BZ	
	IAML	05:30:00.18	HZ	0.004	0.1	PBDV	e P	12:13:45.63	BZ	
MORF	e S	05:30:01.88	HN				IAMB	12:13:58.19	BZ	0.092 1.6
PSBE	e S	05:30:02.98	HE			PARRA	e P	12:13:46.16	BZ	
PMONC	e S	05:30:02.88	H1			MOE	e P	12:13:48.30	BZ	
PCVE	e P	05:29:47.12	HZ							
	e S	05:30:03.47	HN							
	IAML	05:30:08.83	HZ	0.003	0.5					
PESTR	e S	05:30:07.51	HN							
PSARD	e S	05:30:09.46	HN							
PVAQ	e P	05:29:53.73	HZ							
	e S	05:30:13.03	H2							
	IAML	05:30:16.93	HZ	0.003	0.4					
PBAR	e Pn	05:29:53.79	HZ							
	e Sg	05:30:20.14	HE							
	IAML	05:30:27.81	HZ	0.002	0.4					
PMRV	e Pn	05:29:53.75	HZ							
	e Sn	05:30:16.64	HE							
	e Sg	05:30:20.85	HN							
08-Jan	Ho	08:16:43.0	Distante (NEIC)	Mw	5.2					
	Lat	60.418°N	Lon	140.486°W	Prof	37				
	Região:	Southeastern Alaska								
Est	Fase	P h:m:s	Dur	Co	Amp	Per				
PGAV	e P	08:27:54.64	BZ							
PCAB	e P	08:27:56.89	SZ							
PBRG	e P	08:27:58.62	BZ							
	IAMB	08:28:00.98	BZ	0.053	1.7					
PTO	e P	08:27:58.97	SZ							
POLO	e P	08:27:59.14	BZ							
	IAMB	08:28:00.20	BZ	0.028	1.0					
PVRL	e P	08:27:59.82	SZ							
MVO	e P	08:28:01.62	BZ							
	IAMB	08:28:02.16	BZ	0.049	0.9					
PVIS	e P	08:28:02.52	BZ							
COI	e P	08:28:04.80	BZ							
MTE	e P	08:28:04.84	BZ							
PCAS	e P	08:28:05.11	BZ							
	IAMB	08:28:06.10	BZ	0.107	1.1					
PSBE	e P	08:28:07.52	BZ							
PCBR	e P	08:28:07.36	SZ							
	IAMB	08:28:08.68	SZ	0.057	1.7					
PSARD	e P	08:28:07.80	BZ							
	IAMB	08:28:09.02	BZ	0.065	1.1					
PMRV	e P	08:28:09.90	BZ							
PMTG	e P	08:28:10.40	BZ							
	IAMB	08:28:10.92	BZ	0.047	0.9					
GGNV	e P	08:28:11.37	BZ							
PARRA	e P	08:28:12.04	BZ							
PESTR	e P	08:28:12.31	BZ							
MOE	e P	08:28:13.34	BZ							

<b>08-Jan</b>	<b>Ho</b>	<b>19:56:19.5</b>	<b>Distante (NEIC)</b>	<b>mb 4.7</b>
	<b>Lat</b>	<b>38.698°N</b>	<b>Lon</b>	<b>73.733°E</b>
	<b>Prof</b>	<b>104</b>		
	<b>Região:</b>	<b>Tajikistan-Xinjiang</b>	<b>Border Reg.</b>	
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>
PVRL	e P	20:06:16.79		SZ
PCAB	e P	20:06:17.67		SZ
PGAV	e P	20:06:18.79		BZ
PVIS	e P	20:06:19.53		BZ
PMRV	e P	20:06:21.58		BZ
COI	e P	20:06:23.93		BZ
PBAR	e P	20:06:23.52		BZ
PSARD	e P	20:06:24.50		BZ
PMTG	e P	20:06:26.00		BZ
PVAQ	e P	20:06:28.98		BZ
MESJ	e P	20:06:30.36		BZ
PBDV	e P	20:06:31.13		BZ

08-Jan	Ho	20:36:00.0			ML 2.4	
	Lat	32.271°N	Lon	16.992°W	Prof 5*	
	Região: S Câmara de Lobos (Mdra)				Rms 0.6	
	AxMax	28.5	AxMin	20.8	Ang	8
					ErrZ	0
Est	Fase	P	h:m:s	Dur	Co	Amp Per
FUL	e S		20:36:10.64		EN	
	IAML		20:36:13.29		EZ	0.128 0.2
PMAR	e P		20:36:06.90		HZ	
	e S		20:36:12.25		H1	
	IAML		20:36:14.29		HZ	0.208 0.3
PMOZ	e S		20:36:16.42		HN	
	IAML		20:36:19.22		HZ	0.120 0.4
PMPS	e S		20:36:26.34		EZ	
	IAML		20:36:27.45		EZ	0.073 0.4
PMPST	e S		20:36:25.84		HN	
	IAML		20:36:26.22		HZ	0.299 0.3

09-Jan	Ho	00:27:22.1				ML 1.8	
	Lat	36.774°N		Lon	09.657°W		
	Prof	22					
	Região:	SW Cabo S.Vicente				Rms 0.3	
	AxMax	5.1	AxMin	4.0	Ang	55	
						ErrZ 5	
Est	Fase	P h:m:s		Dur	Co	Amp Per	
PFVI	e P	00:27:35.79			HZ		
	e S	00:27:46.41			HE		
	IAML	00:27:46.92			HZ	0.019 0.3	
MORF	e P	00:27:38.80			HZ		
	e S	00:27:51.53			HN		
	IAML	00:27:54.22			HZ	0.013 0.1	
PTEO	e P	00:27:40.14			HZ		
	e S	00:27:54.03			HN		
	IAML	00:27:55.60			HZ	0.011 0.2	
PBDV	e P	00:27:45.72			HZ		
	e S	00:28:03.42			HN		
	IAML	00:28:12.04			HZ	0.002 0.2	
PCVE	e P	00:27:47.02			HZ		
	e S	00:28:05.66			HE		
	IAML	00:28:07.67			HZ	0.003 0.3	
MESJ	e P	00:27:47.04			HZ		
	e S	00:28:05.63			HN		
	IAML	00:28:09.64			HZ	0.004 0.6	
PLOUS	e P	00:27:47.06			HZ		
	e S	00:28:06.15			HE		
	IAML	00:28:06.53			HZ	0.004 0.2	
PVAQ	e P	00:27:48.74			HZ		
	e S	00:28:08.32			H2		
	IAML	00:28:11.23			HZ	0.004 0.1	
PBEJ	e P	00:27:51.62			EZ		
	e S	00:28:13.33			EN		
	IAML	00:28:15.03			EZ	0.003 0.2	
MOE	e P	00:27:53.45			HZ		
	e S	00:28:17.07			HN		
	IAML	00:28:18.53			HZ	0.005 0.1	
EVO	e P	00:27:55.11			HZ		
	e S	00:28:20.24			HE		
	IAML	00:28:20.91			HZ	0.006 0.1	
PMAFR	e Sn	00:28:21.58			HN		
PARRA	e P	00:27:58.44			HZ		
	e S	00:28:25.38			HN		
	IAML	00:28:27.09			HZ	0.004 0.3	
PBAR	e P	00:28:00.14			HZ		

	e S	00:28:28.44		HN		
	IAML	00:28:32.17		HZ	0.001	0.3
PMTG	e P	00:28:00.50		HZ		
	e S	00:28:29.11		HE		
	IAML	00:28:30.81		HZ	0.003	0.2
PESTR	e P	00:28:01.72		HZ		
	e S	00:28:31.83		HE		
	IAML	00:28:33.00		HZ	0.002	0.6
PSBE	e P	00:28:03.72		HZ		
	e S	00:28:36.12		HE		
PSARD	e P	00:28:07.35		HZ		
	e S	00:28:40.93		HE		
	IAML	00:28:43.15		HZ	0.005	0.1
PMRV	e P	00:28:09.26		HZ		
	e S	00:28:43.93		HN		
	IAML	00:28:47.02		HZ	0.003	0.8
PCBR	e P	00:28:13.63		EZ		
	e S	00:28:52.27		EE		
PVRL	e S	00:29:21.26		EN		
	IAML	00:29:24.44		EZ	0.003	0.8

<b>09-Jan</b>	<b>Est</b>	<b>Fase</b>	<b>P h:m:s</b>	<b>Dur</b>	<b>Co</b>	<b>Amp</b>	<b>Per</b>
	PVAQ	e P	01:18:53.55		HZ		
		e S	01:19:35.06		H2		
		IAML	01:20:04.13		HZ	0.002	0.8
	PARRA	e P	01:19:09.21		HZ		
	PBAR	e S	01:19:36.75		HE		
	PBDV	e S	01:19:37.74		HE		

09-Jan	Ho	01:48:14.6				ML	0.6	
	Lat	39.603°N		Lon	08.774°W		Prof	14
	Região: NE Porto de Mós						Rms	0.2
	AxMax	4.1	AxMin	1.9	Ang	106	ErrZ	3
Est	Fase	P	h:m:s	Dur	Co	Amp Per		
PSBE	e Pg	c	01:48:17.02		HZ			
	e Sg		01:48:19.67		HN			
	IAML		01:48:19.96		HZ	0.008	0.2	
PSARD	e P		01:48:23.53		HZ			
	e S		01:48:30.36		HE			
	IAML		01:48:31.19		HZ	0.005	0.2	
PCAS	e S		01:48:30.82		HE			
PMTG	e P		01:48:26.87		HZ			
	e S		01:48:36.36		HE			
PMAFR	e S		01:48:39.02		HE			
PARRA	e P		01:48:31.81		HZ			
	e S		01:48:45.12		HE			
PMRV	e P		01:48:33.99		HZ			
	e S		01:48:48.05		HN			
PESTR	e P		01:48:35.17		HZ			
	e S		01:48:51.07		HE			
EVO	e S		01:48:51.61		HN			

<b>09-Jan</b>	<b>Est</b>	<b>Fase</b>	<b>P h:m:s</b>	<b>Dur</b>	<b>Co</b>	<b>Amp</b>	<b>Per</b>
	PBAR	e P	02:03:26.55		HZ		
		e S	02:04:10.49		HE		
	PVAQ	e S	02:04:08.48		H2		

09-Jan	Ho	02:15:27.1				ML	0.9
	Lat	37.305°N	Lon	08.648°W	Prof	11	
	Região: W Monchique					Rms	0.2
	AxMax	2.2	AxMin	2.2	Ang	134	ErrZ 3
Est	Fase	P h:m:s		Dur	Co	Amp	Per
MORF	e Pg	02:15:28.71			HZ		
	e Sg	02:15:30.27			HE		
	IAML	02:15:30.64			HZ	0.038	0.2
PFVI	e Pg	02:15:31.79			HZ		
	e Sg	02:15:35.11			HN		
	IAML	02:15:35.50			HZ	0.014	0.6
PTEO	e Sg	02:15:35.21			HE		
PBDV	e Sg	02:15:45.63			HE		
MESJ	e Pg	02:15:38.59			HZ		
	e Sg	02:15:47.42			HE		
PLOUS	e P	02:15:40.73			HZ		
	e S	02:15:51.14			HE		
	IAML	02:15:53.79			HZ	0.005	0.7
PVAO	e P	02:15:40.61			HZ		

e S 02:15:50.52 H2  
IAML 02:15:51.61 HZ 0.003 0.7  
PBAR e Sg 02:16:14.87 HE

**09-Jan Ho 02:05:46.8 Distante (NEIC) Mw 5.7**  
**Lat 07.211°S Lon 152.665°E Prof 13**  
**Região: New Britain Region, P.N.G.**

Est	Fase	P h:m:s	Dur	Co	Amp	Per
MVO	e PKPdf	02:25:13.56		BZ		
POLO	e PKPdf	02:25:14.37		BZ		
PVRL	e PKPdf	02:25:15.92		SZ		
PVIS	e PKPdf	02:25:16.27		BZ		
MTE	e PKPdf	02:25:16.52		BZ		
PCBR	e PKPdf	02:25:17.96		SZ		
COI	e PKPdf	02:25:17.97		BZ		
PCAS	e PKPdf	02:25:18.47		BZ		
PMRV	e PKPdf	02:25:18.53		BZ		
PSARD	e PKPdf	02:25:19.30		BZ		
PSBE	e PKPdf	02:25:20.44		BZ		
PESTR	e PKPdf c	02:25:19.89		BZ		
	e PP	02:28:35.15		BZ		
PMTG	e PKPdf	02:25:20.46		BZ		
PARRA	e PKPdf	02:25:20.13		BZ		
PBAR	e PKPdf	02:25:21.40		BZ		
EVO	e PKPdf	02:25:19.84		BZ		
MOE	e PKPdf	02:25:20.58		BZ		
PMAFR	e PKP	02:25:22.41		BZ		
GGNV	e PKP	02:25:21.97		BZ		
PBEJ	e PKP	02:25:21.48		SZ		
PAZOI	e PKP	02:25:22.44		BZ		
PLOUS	e PKP	02:25:21.89		BZ		
MESJ	e PKP	02:25:22.13		BZ		
PCVE	e PKP	02:25:22.04		BZ		
PVAQ	e PKP	02:25:22.47		BZ		
PBDV	e PKP	02:25:23.30		BZ		
PTEO	e PKP	02:25:25.85		BZ		
MORF	e PKP	02:25:25.92		BZ		
PFVI	e PKP	02:25:24.31		BZ		

**09-Jan Ho 04:04:26.7 ML 2.0**  
**Lat 35.464°N Lon 03.557°W Prof 23**  
**Região: NE Al Hoceima (MARR) Rms 0.4**  
**AxMax 3.0 AxMin 2.4 Ang 125 ErrZ 4**

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PVAQ	e P	04:05:23.88		HZ		
	e S	04:06:06.71		H2		
	IAML	04:06:21.01		HZ	0.002	0.6
PBAR	e P	04:05:24.08		HZ		
	e S	04:06:07.79		HN		
	IAML	04:06:22.87		HZ	0.001	0.7
PBDV	e P	04:05:24.80		HZ		
	e S	04:06:08.81		HN		
PCVE	e P	04:05:28.97		HZ		
MESJ	e P	04:05:31.55		HZ		
	e S	04:06:20.67		HN		
	IAML	04:06:31.76		HZ	0.002	0.5
PLOUS	e P	04:05:34.91		HZ		
	e S	04:06:28.62		HE		
PESTR	e P	04:05:35.95		HZ		
EVO	e P	04:05:35.50		HZ		
	e S	04:06:26.72		HN		
	IAML	04:06:58.21		HZ	0.002	0.7
PARRA	e P	04:05:38.54		HZ		
	e S	04:06:33.21		HN		
MOE	e P	04:05:38.74		HZ		
PMRV	e P	04:05:40.36		HZ		
PMTG	e P	04:05:42.49		HZ		
PCBR	e P	04:05:45.52		EZ		
PSARD	e P	04:05:47.38		HZ		
PSBE	e P	04:05:51.31		HZ		

0

**9-Jan Ho 04:52:46.9 ML 2.0**  
**Lat 35.471°N Lon 03.574°W Prof 20**  
**Região: NE Al Hoceima (MARR) Rms 0.4**  
**AxMax 6.3 AxMin 2.9 Ang 101 ErrZ 8**

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PVAQ	e P	04:53:44.49		HZ		
	e S	04:54:27.55		H2		
	IAML	04:54:35.94		HZ	0.003	0.5
PBAR	e P	04:53:44.28		HZ		
	e S	04:54:27.32		HE		
PBDV	e P	04:53:45.01		HZ		
	e S	04:54:28.86		HN		
MESJ	e P	04:53:52.02		HZ		
PARRA	e P	04:53:59.31		HZ		

**09-Jan Ho 05:22:51.6 ML 2.0**  
**Lat 35.506°N Lon 03.657°W Prof 12**  
**Região: Alboran Rms 0.4**  
**AxMax 4.4 AxMin 3.4 Ang 117 ErrZ 9**

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PVAQ	e P	05:23:50.42		HZ		
	e S	05:24:31.37		H1		
PBAR	e P	05:23:50.83		HZ		
	e S	05:24:31.90		HE		
	IAML	05:24:34.60		HZ	0.002	0.6
PBDV	e S	05:24:33.28		HE		
	IAML	05:24:41.54		HZ	0.004	0.8
PCVE	e S	05:24:40.10		HE		
MESJ	e S	05:24:44.80		HN		
PESTR	e S	05:24:52.08		HN		
PARRA	e P	05:24:04.77		HZ		
	e S	05:24:56.46		HE		
	IAML	05:25:14.36		HZ	0.002	0.8
PMRV	e P	05:24:05.89		HZ		
	e S	05:24:59.24		HE		

**09-Jan Ho 09:21:05.1 ML 1.6**  
**Lat 36.518°N Lon 09.819°W Prof 14**  
**Região: SW Cabo S.Vicente Rms 0.3**  
**AxMax 5.1 AxMin 4.9 Ang 30 ErrZ 5**

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PFVI	e P	09:21:22.99		HZ		
	e S	09:21:36.65		HN		
MORF	e P	09:21:26.46		HZ		
	e S	09:21:42.07		HN		
	IAML	09:21:42.76		HZ	0.006	0.4
PMONC	e S	09:21:44.11		H1		
	IAML	09:21:45.06		HZ	0.019	0.1
PTEO	e P	09:21:28.76		HZ		
	e S	09:21:45.13		HN		
PBDV	e P	09:21:32.24		HZ		
	e S	09:21:52.52		HN		
PCVE	e P	09:21:34.46		HZ		
	e S	09:21:56.02		HN		
MESJ	e P	09:21:34.50		HZ		
	e S	09:21:57.04		HN		
PLOUS	e P	09:21:34.94		HZ		
	e S	09:21:57.10		HE		
	IAML	09:21:58.38		HZ	0.003	0.8
PVAQ	e P	09:21:35.35		HZ		
	e S	09:21:58.02		H2		
	IAML	09:21:59.04		HZ	0.002	0.3
PBEJ	e S	09:22:04.41		EN		
MOE	e P	09:21:41.28		HZ		
	e S	09:22:08.77		HN		
	IAML	09:22:23.81		HZ	0.004	0.7
EVO	e P	09:21:42.97		HZ		
	e S	09:22:11.32		HE		
	IAML	09:22:12.09		HZ	0.005	0.1
PMAFR	e P	09:21:42.60		HZ		
	e S	09:22:12.22		HN		
PARRA	e P	09:21:46.10		HZ		
	e S	09:22:17.21		HN		
PBAR	e P	09:21:47.19		HZ		
	e S	09:22:18.93		HN		
PMTG	e P	09:21:48.10		HZ		
	e S	09:22:20.34		HE		
PESTR	e S	09:22:22.63		HE		





MOE	IAML	19:55:39.83	HZ	0.003	0.8		IAMB	21:48:56.05	BZ	0.218	1.2	
	e Pn	19:54:25.88	HZ			PSARD	e P	21:48:47.36	BZ			
	e Sn	19:55:11.94	HN				e pP	21:48:55.30	BZ			
	e Sg	19:55:32.66	HE				IAMB	21:48:56.41	BZ	0.253	1.4	
PLOUS	IAML	19:55:38.92	HZ	0.008	0.7	PTO	e P	21:48:50.83	SZ			
	e Sn	19:55:11.92	HE				e pP	21:48:55.92	SZ			
	e Sg	19:55:32.74	HE				IAMB	21:48:56.27	SZ	0.202	1.6	
PMTG	IAML	19:55:47.56	HZ	0.003	0.6	COI	e P	21:48:50.03	BZ			
	e Pn	19:54:26.40	HZ				e pP	21:48:57.39	BZ			
	e Pg	19:54:38.60	HZ			IAMB	21:48:59.65	BZ	0.424	1.1		
	e Sn	19:55:11.37	HN			PARRA	e P	21:48:46.13	BZ			
e Sg	19:55:31.79	HE			e pP		21:48:56.16	BZ				
MTE	IAML	19:55:37.78	HZ	0.009	0.6		IAMB	21:48:56.72	BZ	0.159	1.5	
	e Sg	19:55:35.84	HE			PCAS	e P	21:48:49.57	BZ			
PSARD	IAML	19:55:43.02	HZ	0.007	0.4			e pP	21:48:58.39	BZ		
	e Pn	19:54:28.21	HZ			IAMB	21:49:00.62	BZ	0.304	1.5		
	e Pg	19:54:42.32	HZ			PBEJ	e P	21:48:49.41	SZ			
	e Sn	19:55:14.84	HN				e pP	21:48:55.85	SZ			
PVIS	e Sg	19:55:35.98	HE			IAMB	21:49:17.37	SZ	0.101	1.3		
	IAML	19:55:41.86	HZ	0.012	0.3	PMTG	e P	21:48:49.01	BZ			
	e Sn	19:55:23.33	HN				e pP	21:48:56.04	BZ			
	e Sg	19:55:47.77	HE			IAMB	21:48:57.42	BZ	0.255	1.5		
PCAS	e Sn	19:55:25.55	HE			PVAQ	e P	21:48:48.80	BZ			
	e Sg	19:55:52.58	HE				e pP	21:48:56.87	BZ			
PSBE	IAML	19:56:01.38	HZ	0.006	0.5		IAMB	21:48:58.58	BZ	0.215	1.1	
	e Pn	19:54:34.22	HZ				e S	21:52:52.47	L2			
	e Sn	19:55:26.02	HN			MOE	e P	21:48:52.14	BZ			
	e Sg	19:55:51.58	HN				e pP	21:49:00.82	BZ			
	IAML	19:56:01.62	HZ	0.007	0.6		IAMB	21:49:01.90	BZ	0.110	1.4	
09-Jan	Ho	21:43:47.2	Distante (NEIC)		Mw	5.5	PCVE	e P	21:48:50.97	BZ		
	Lat	40.827°N	Lon		21.392°E	Prof		14	e pP	21:49:00.14	BZ	
	Região: Greece							IAMB	21:49:23.23	BZ	0.141	1.2
	Est	Fase	P h:m:s	Dur	Co	Amp	Per	PBDV	e P	21:48:51.20	BZ	
PBRG	e P	21:48:32.97	BZ				e pP	21:48:57.27	BZ			
	e pP	21:48:40.89	BZ			MESJ	IAMB	21:49:01.63	BZ	0.186	1.4	
	IAMB	21:49:21.60	BZ	0.151	1.7		e P	21:48:51.90	BZ			
MVO	e P	21:48:37.28	BZ			e pP	21:48:57.99	BZ				
	e pP	21:48:43.82	BZ			IAMB	21:49:24.36	BZ	0.185	1.3		
	IAMB	21:48:45.18	BZ	0.189	1.5	PSBE	e P	21:48:53.47	BZ			
PVRL	e S	21:52:34.53	LE				IAMB	21:49:02.91	BZ	0.439	2.0	
	e P	21:48:41.65	SZ			PLOUS	e P	21:48:53.21	BZ			
	e pP	21:48:50.27	SZ				e pP	21:49:01.31	BZ			
	IAMB	21:48:53.47	SZ	0.315	1.5		IAMB	21:49:20.20	BZ	0.170	1.5	
MTE	e P	21:48:41.57	BZ			GGNV	e P	21:49:00.58	BZ			
	e pP	21:48:49.75	BZ				e pP	21:49:05.23	BZ			
	IAMB	21:48:53.34	BZ	0.304	1.2		IAMB	21:50:13.55	BZ	0.217	1.4	
	e S	21:52:39.81	LE			PTEO	e P	21:48:59.66	BZ			
POLO	e LQ	21:55:53.53	LN				IAMB	21:49:24.35	BZ	0.171	1.2	
	e LR	21:58:49.24	LZ			MORF	e pP	21:49:04.15	BZ			
	e P	21:48:43.70	BZ				IAMB	21:49:24.49	BZ	0.143	1.3	
	e pP	21:48:50.85	BZ			PMAFR	e pP	21:49:04.99	BZ			
PCBR	IAMB	21:48:54.20	BZ	0.168	1.6		IAMB	21:49:30.87	BZ	0.278	1.7	
	e P	21:48:41.12	SZ			PFVI	e P	21:49:00.67	BZ			
	e pP	21:48:50.51	SZ				IAMB	21:49:25.56	BZ	0.223	1.5	
PMRV	IAMB	21:48:53.97	SZ	0.162	1.3	09-Jan						
	e P	21:48:43.03	BZ			Est	Fase	P h:m:s	Dur	Co	Amp	Per
	e pP	21:48:50.28	BZ			PFVI	e P	21:55:13.65		HZ		
	IAMB	21:48:54.46	BZ	0.298	1.8		e S	21:55:37.01		HE		
PBAR	e S	21:52:45.62	LE			PVAQ	e P	21:55:25.79		HZ		
	e LQ	21:56:05.10	LN				e S	21:55:59.90		H1		
	e LR	21:58:30.78	LZ				IAML	21:56:07.18		HZ	0.002	0.6
	e P	21:48:41.34	BZ			PLOUS	e S	21:55:52.46		HE		
PCAB	e pP	21:48:49.87	BZ				IAML	21:55:55.02		HZ	0.004	0.7
	IAMB	21:49:10.63	BZ	0.295	1.6	PCVE	e S	21:55:55.25		HN		
	e pP	21:48:48.08	SZ			PBDV	e S	21:55:57.92		HN		
	IAMB	21:48:54.52	SZ	0.318	2.0	MOE	e S	21:55:59.66		HN		
PVIS	e P	21:48:44.40	BZ				IAML	21:56:02.15		HZ	0.006	0.6
	e pP	21:48:50.48	BZ			PARRA	e S	21:56:10.54		HN		
PGAV	e P	21:48:45.96	BZ			PESTR	e S	21:56:17.96		HN		
	e pP	21:48:52.28	BZ			PBAR	e S	21:56:20.62		HN		
	IAMB	21:48:54.48	BZ	0.448	1.4	09-Jan						
	e S	21:52:49.21	LE			Est	Fase	P h:m:s	Dur	Co	Amp	Per
PESTR	e LQ	21:56:12.90	LN			PGAV	e Pg	22:02:08.81		HZ		
	e LR	21:59:06.59	LZ				e Sg	22:02:17.05		HE		
	IAMs_20	22:01:31.11	LZ	3.820	16		IAML	22:02:18.59		HZ	0.011	0.8
	e P	21:48:44.90	BZ			PCAB	e P	22:02:13.93		EZ		

	e S	22:02:25.56	EN						PMTG	e P	03:37:46.38	HZ				
	IAML	22:02:26.67	EZ	0.007	0.1					e S	03:38:01.95	HE				
POLO	e S	22:02:35.92	HN							IAML	03:38:02.01	HZ	0.007	0.7		
10-Jan	Ho	00:06:30.7	Distante (NEIC)			Mw	6.2									
	Lat	33.796°S	Lon 179.544°E			Prof	7									
	Região: South of Kermadec Islands															
Est	Fase	P	h:m:s	Dur	Co	Amp	Per									
POLO	e	PKPab	00:28:03.63		BZ											
MVO	e	PKPab	00:28:08.23		BZ											
PSBE	e	PKPab	00:28:05.65		BZ											
MTE	e	PKPdf	00:26:47.42		BZ											
	e	PKPab	00:28:05.09		BZ											
PSARD	e	PKPab	00:28:00.46		BZ											
PCBR	e	PKPdf	00:26:47.49		SZ											
PMTG	e	PKPab	00:28:10.12		BZ											
MOE	e	PKPab	00:28:04.76		BZ											
PARRA	e	PKPab	00:28:03.04		BZ											
PMRV	e	PKPab	00:28:02.56		BZ											
PLOUS	e	PKPdf	00:26:48.95		BZ											
PESTR	e	PKPdf	00:26:47.90		BZ											
	e	PKPab	00:28:03.43		BZ											
MESJ	e	PKPab	00:28:05.01		BZ											
PBEJ	e	PKPdf	00:26:48.44		SZ											
PCVE	e	PKPdf	00:26:42.10		BZ											
	e	PKPab	00:28:15.65		BZ											
PBDV	e	PKPdf	00:26:49.15		BZ											
PBAR	e	PKPdf	00:26:48.61		BZ											
10-Jan	Ho	01:20:56.9				ML	0.7									
	Lat	37.109°N	Lon 07.631°W			Prof	24									
	Região: SE Tavira															
	AxMax	7.8	AxMin	4.9	Ang	137	ErrZ	4								
Est	Fase	P	h:m:s	Dur	Co	Amp	Per									
PBDV	e	Pg	01:21:03.45		HZ											
	e	Sg	01:21:07.27		HE											
	IAML		01:21:08.20		HZ	0.007	0.7									
PVAQ	e	Pg	01:21:03.49		HZ											
	e	Sg	01:21:08.79		H2											
	IAML		01:21:10.54		HZ	0.004	0.7									



PBAR	e P	18:37:32.70	BZ		
PMRV	e P	18:37:33.10	BZ		
PESTR	e P	18:37:35.09	BZ		
PSARD	e P	18:37:37.28	BZ		
PMTG	e P	18:37:38.42	BZ		

<b>10-Jan</b>	<b>Ho</b>	<b>19:13:30.5</b>	<b>ML 0.6</b>		
	<b>Lat</b>	<b>42.154°N</b>	<b>Lon</b>	<b>08.528°W</b>	<b>Prof 19</b>
	<b>Região:</b>	<b>NW Monção</b>	<b>Rms</b>	<b>0.1</b>	
	<b>AxMax</b>	<b>5.1</b>	<b>AxMin</b>	<b>1.2</b>	<b>Ang 67</b>
	<b>ErrZ</b>	<b>2</b>			

<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 Pg	19:13:36.36		HZ		
	e Sg	19:13:40.77		HN		
	IAML	19:13:53.92		HZ	0.003	0.7
PCAB	e Pg	19:13:41.33		EZ		
	e Sg	19:13:49.21		EE		
	IAML	19:13:53.40		EZ	0.003	0.3
POLO	e S	19:14:00.37		HN		

<b>10-Jan</b>	<b>Ho</b>	<b>20:03:03.9</b>	<b>Distante (NEIC)</b>	<b>Mw 5.7</b>	
	<b>Lat</b>	<b>25.044°S</b>	<b>Lon</b>	<b>179.870°E</b>	<b>Prof 499</b>
	<b>Região:</b>	<b>South of Fiji Islands</b>			

<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	20:22:07.88		BZ		
PBRG	e PKPab	20:22:59.11		BZ		
PTO	e PKPdf	20:22:08.87		SZ		
POLO	e PKPdf	20:22:09.10		BZ		
	e PKPab	20:22:59.40		BZ		
PVRL	e PKPdf	20:22:09.25		SZ		
MVO	e PKPdf	20:22:09.56		BZ		
	e PKPab	20:23:02.33		BZ		
PVIS	e PKPab	20:23:01.75		BZ		
PCAS	e PKPdf	20:22:09.44		BZ		
MTE	e PKPdf	20:22:10.13		BZ		
PSARD	e PKPdf	20:22:10.44		BZ		
	e PKPab	20:23:05.31		BZ		
PCBR	e PKPdf	20:22:10.72		SZ		
	e PKPab	20:23:04.20		SZ		
PMAFR	e PKPdf	20:22:10.52		BZ		
PMRV	e PKPdf	20:22:10.54		BZ		
	e PKPab	20:23:11.38		BZ		
PMTG	e PKPdf	20:22:10.42		BZ		
	e PKPab	20:23:07.29		BZ		
PARRA	e PKPdf	20:22:10.86		BZ		
	e PKPab	20:23:08.59		BZ		
PESTR	e PKPdf	20:22:11.02		BZ		
	e PKPab	20:23:08.36		BZ		
MOE	e PKPdf	20:22:11.27		BZ		
EVO	e PKPdf	20:22:11.49		BZ		
	e PKPab	20:23:09.86		BZ		
PLOUS	e PKPdf	20:22:11.89		BZ		
PBEJ	e PKPdf	20:22:12.23		SZ		
MESJ	e PKPdf	20:22:11.57		BZ		
PTEO	e PKPdf	20:22:12.08		BZ		
PBAR	e PKPdf	20:22:11.59		BZ		
PCVE	e PKPdf	20:22:12.31		BZ		
MORF	e PKPdf	20:22:12.86		BZ		
PVAQ	e PKPdf	20:22:12.76		BZ		
PBDV	e PKPdf	20:22:13.09		BZ		

<b>10-Jan</b>	<b>Ho</b>	<b>21:27:51.9</b>	<b>ML 0.9</b>		
	<b>Lat</b>	<b>41.726°N</b>	<b>Lon</b>	<b>07.447°W</b>	<b>Prof 2*</b>
	<b>Região:</b>	<b>SE Chaves</b>	<b>Rms</b>	<b>0.3</b>	
	<b>AxMax</b>	<b>1.9</b>	<b>AxMin</b>	<b>1.5</b>	<b>Ang 78</b>
	<b>ErrZ</b>	<b>0</b>			

<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	21:28:00.03		EZ		
	e Sg	21:28:05.65		EN		
	IAML	21:28:05.83		EZ	0.011	0.1
POLO	e Pg	21:27:59.96		HZ		
	e Sg	21:28:05.79		HN		
	IAML	21:28:06.10		HZ	0.002	0.1
PVRL	e Sg	21:28:07.76		EE		
	IAML	21:28:08.40		EZ	0.006	0.1
PBRG	e Pg	21:28:01.36		HZ		
	e Sg	21:28:08.53		HE		
	IAML	21:28:09.02		HZ	0.003	0.2
MVO	e Pg	21:28:03.72		HZ		
	e Sg	21:28:12.65		HE		

	IAML	21:28:15.97		HZ	0.003	0.3
PGAV	e Pg	21:28:04.03		HZ		
	e Sg	21:28:12.66		HE		
	IAML	21:28:16.51		HZ	0.003	0.2
PVIS	e Pg	21:28:11.71		HZ		
	e S	21:28:25.57		HN		
MTE	e Sn	21:28:34.18		HN		
	IAML	21:28:34.62		HZ	0.004	0.4
PCBR	e Sg	21:28:51.50		EN		
PSARD	e Sg	21:29:02.20		HE		

<b>10-Jan</b>	<b>Ho</b>	<b>22:54:45.2</b>	<b>ML 1.0</b>		
	<b>Lat</b>	<b>36.646°N</b>	<b>Lon</b>	<b>07.705°W</b>	<b>Prof 19</b>
	<b>Região:</b>	<b>Golfo de Cádiz</b>	<b>Rms</b>	<b>0.4</b>	
	<b>AxMax</b>	<b>17.0</b>	<b>AxMin</b>	<b>12.5</b>	<b>Ang 150</b>
	<b>ErrZ</b>	<b>6</b>			

<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	22:54:56.71		HZ		
	e S	22:55:05.89		HE		
PVAQ	e S	22:55:08.91		H2		
	IAML	22:55:10.46		HZ	0.003	0.2
PCVE	IAML	22:55:15.91		HZ	0.002	0.4
	e S	22:55:16.02		HE		
MESJ	e S	22:55:21.99		HN		
PBAR	e S	22:55:30.65		HN		
PARRA	e S	22:55:44.68		HN		
PESTR	e S	22:55:45.49		HE		
PMTG	e S	22:55:51.53		HN		
PMRV	e S	22:55:59.10		HN		

<b>10-Jan</b>	<b>Ho</b>	<b>23:22:49.7</b>	<b>ML 2.1</b>		
	<b>Lat</b>	<b>35.494°N</b>	<b>Lon</b>	<b>03.672°W</b>	<b>Prof 4*</b>
	<b>Região:</b>	<b>NE Al Hoceima (MARR)</b>	<b>Rms</b>	<b>0.4</b>	
	<b>AxMax</b>	<b>2.9</b>	<b>AxMin</b>	<b>2.6</b>	<b>Ang 93</b>
	<b>ErrZ</b>	<b>0</b>			

<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	23:23:47.13		HZ		
	e S	23:24:30.47		H2		
	IAML	23:24:34.23		HZ	0.005	0.1
PBAR	e P	23:23:47.41		HZ		
	e S	23:24:31.71		HN		
	IAML	23:24:36.02		HZ	0.006	1.1
PBDV	e P	23:23:48.17		HZ		
	e S	23:24:32.80		HN		
PCVE	e P	23:23:53.94		HZ		
MESJ	e P	23:23:55.72		HZ		
	e S	23:24:45.23		HN		
MORF	e S	23:24:47.90		HN		
PLOUS	e P	23:23:58.93		HZ		
	e S	23:24:50.76		HE		
PESTR	e P	23:23:59.91		HZ		
	e S	23:24:50.41		HE		
EVO	e P	23:23:59.26		HZ		
	e S	23:24:50.97		HN		
PARRA	e P	23:24:01.86		HZ		
	e S	23:24:55.40		HN		
MOE	e S	23:24:56.36		HE		
PMRV	e P	23:24:03.39		HZ		
PMTG	e S	23:25:01.85		HE		
PCBR	e P	23:24:09.31		EZ		
PSARD	e P	23:24:10.90		HZ		
	e S	23:25:11.33		HN		
	IAML	23:25:13.42		HZ	0.003	0.8

<b>10-Jan</b>	<b>Ho</b>	<b>23:26:47.0</b>	<b>Distante (IPMA)</b>	<b>Mw 5.5</b>	
	<b>Lat</b>	<b>28.490°N</b>	<b>Lon</b>	<b>43.580°W</b>	<b>Prof 10</b>
	<b>Região:</b>	<b>Northern Mid-Atlantic Ridge</b>			

<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 P	23:31:52.63		BZ		
	IAMB	23:32:03.50		BZ	0.531	1.6
	e S	23:36:14.47		LN		
	e LR	23:37:12.15		LZ		
	IAMs_20	23:38:24.43		LZ	15.31	20
PMAR	e P	23:31:52.62		BZ		
	IAMB	23:32:07.52		BZ	0.446	1.7
PMPST	e P	23:31:57.61		BZ		
	IAMB	23:32:10.93		BZ	0.580	1.7
MORF	P	23:33:01.40		HZ		
PSBE	P	23:33:03.30		HZ		
PLOUS	e P	23:33:03.17		BZ		

	IAMB	23:33:04.16	BZ	0.078	1.6			IAML	00:47:57.12	EZ	0.002	0.3		
MOE	e P	23:33:03.89	BZ					MESJ e S	00:47:59.06	HE				
	IAMB	23:33:14.46	BZ	0.064	1.6			PESTR e S	00:48:03.02	HE				
PCVE	e P	23:33:04.38	BZ					EVO e S	00:48:04.06	HN				
	IAMB	23:33:05.88	BZ	0.047	1.6			IAML	00:48:06.20	HZ	0.005	0.3		
PCAS	e P	23:33:05.38	BZ					PLOUS e S	00:48:04.59	HN				
	IAMB	23:33:10.67	BZ	0.084	1.5			PFVI e S	00:48:05.82	HE				
PBDV	e P	23:33:05.16	BZ					PARRA e P	00:47:30.18	HZ				
	IAMB	23:33:07.53	BZ	0.127	1.5			e S	00:48:08.58	HN				
PMTG	e P	23:33:04.78	BZ					IAML	00:48:10.09	HZ	0.001	0.2		
	IAMB	23:33:16.24	BZ	0.072	1.7			MOE e S	00:48:10.74	HE				
COI	P	23:33:06.30	HZ					PMRV e P	00:47:32.19	HZ				
EVO	e P	23:33:04.53	BZ					e S	00:48:10.98	HN				
	IAMB	23:33:10.87	BZ	0.044	1.6			PMTG e P	00:47:34.46	HZ				
PARRA	e P	23:33:05.90	BZ					e S	00:48:15.89	HN				
	IAMB	23:33:17.10	BZ	0.041	1.8			PCBR e S	00:48:20.49	EN				
PTO	e P	23:33:05.05	SZ					PSARD e P	00:47:39.29	HZ				
	IAMB	23:33:11.77	SZ	0.088	1.7			e S	00:48:23.22	HN				
PBEJ	e P	23:33:06.69	SZ					IAML	00:48:23.48	HZ	0.003	0.2		
	IAMB	23:33:12.28	SZ	0.080	1.6			PMAFR e S	00:48:29.59	HE				
PSARD	P	23:33:06.80	HZ					MTE e S	00:48:32.36	HE				
PVAQ	e P	23:33:06.38	BZ					PCAS e S	00:48:35.70	HN				
	IAMB	23:33:18.44	BZ	0.117	1.8									
	e S	23:38:20.99	L1					11-Jan Ho	00:48:15.4		ML	1.2		
	e LR	23:41:06.97	LZ					Lat	36.924°N	Lon	08.595°W	Prof	26	
	IAMS_20	23:42:39.12	LZ	15.24	20			Região:	SE Lagos		Rms	0.3		
PESTR	e P	23:33:09.03	BZ					AxMax	6.7	AxMin	4.4	Ang	53	
	IAMB	23:33:15.10	BZ	0.057	1.5			Est	Fase	P h:m:s	Dur	Co	Amp	Per
PGAV	e P	23:33:09.29	BZ					PFVI e P	d	00:48:21.76		HZ		
	e S	23:38:25.94	LN					e S		00:48:26.64		HN		
	e LR	23:41:07.75	LZ					IAML		00:48:27.21		HZ	0.021	0.3
	IAMS_20	23:42:29.94	LZ	5.796	22			MORF e P		00:48:23.41		HZ		
PVIS	e P	23:33:08.73	BZ					e S		00:48:29.21		HN		
PCAB	e P	23:33:09.29	SZ					IAML		00:48:30.25		HZ	0.012	0.3
	IAMB	23:33:21.12	SZ	0.093	1.5			PMONC e P		00:48:23.50		HZ		
PCBR	e P	23:33:10.37	SZ					e S		00:48:29.81		H2		
	IAMB	23:33:21.61	SZ	0.075	1.6			IAML		00:48:30.90		HZ	0.042	0.1
PMRV	e P	23:33:08.48	BZ					PBDV e P		00:48:26.94		HZ		
	IAMB	23:33:12.78	BZ	0.069	1.6			e S		00:48:35.50		HN		
	e S	23:38:30.14	LN					IAML		00:48:36.37		HZ	0.003	0.5
	e LR	23:41:25.68	LZ					PTEO e P		00:48:26.97		HZ		
	IAMS_20													

PLOUS	e P		01:03:25.50	HZ					IAmb		01:14:24.40	SZ	0.396	1.2
	e S		01:04:18.01	HN					c	MOE	01:14:14.75	BZ		
PESTR	e P		01:03:27.11	HZ					IAmb		01:14:26.77	BZ	0.363	1.5
	e S		01:04:17.64	HE					PLOUS	e P	01:14:16.18	BZ		
EVO	e P		01:03:26.69	HZ					IAmb		01:14:56.40	BZ	0.538	1.7
	e S		01:04:18.03	HE					PSBE	e P	01:14:16.99	BZ		
	IAML		01:04:20.48	HZ	0.003	0.6			IAmb		01:14:26.42	BZ	0.293	1.4
PARRA	e P		01:03:29.70	HZ					MORF	e P	c	01:14:17.00	BZ	
	e S		01:04:22.59	HE					IAmb		01:14:54.60	BZ	0.263	1.6
PMRV	e P		01:03:30.43	HZ					PTEO	e P	c	01:14:18.76	BZ	
	e S		01:04:24.91	HE					IAmb		01:14:58.90	BZ	0.586	1.9
PMTG	e P		01:03:34.03	HZ					PFVI	e P		01:14:19.63	BZ	
	e S		01:04:30.35	HE					IAmb		01:15:09.10	BZ	0.375	1.7
PSARD	e P		01:03:38.51	HZ					GGNV	e P		01:14:20.42	BZ	
	e S		01:04:38.74	HN					IAmb		01:14:39.76	BZ	0.613	1.5
PSBE	e P		01:03:42.89	HZ					PAZOI	e P		01:14:21.11	BZ	
									IAmb		01:14:31.02	BZ	0.395	1.5
11-Jan	Ho	01:07:47.9	Distante (NEIC)	Mw 6.6					PMAFR	e P		01:14:20.89	BZ	
	Lat	35.146°N	Lon	31.910°E	Prof	20			IAmb		01:14:30.47	BZ	0.520	1.3
	Região:	Cyprus	Region						PMPST	e P		01:15:19.88	BZ	
Est	Fase	P h:m:s	Dur	Co	Amp	Per			IAmb		01:15:55.72	BZ	0.683	1.8
PBRG	e P	c	01:14:01.82	BZ					FUL	e P		01:15:25.11	EZ	
	IAmb		01:15:14.38	BZ	0.327	1.8			IAmb		01:15:54.17	EZ	0.591	1.9
MVO	e P	c	01:14:03.75	BZ					PMAR	e P		01:15:24.85	BZ	
	IAmb		01:14:23.07	BZ	0.325	1.7			PMOZ	e P		01:15:32.69	BZ	
	e S		01:19:11.04	LN					IAmb		01:16:01.43	BZ	0.828	1.4
	e LR		01:25:25.19	LZ					e S		01:21:42.30	LN		
	IAMS_20		01:30:22.49	LZ	34.21	20			11-Jan	Ho	01:22:59.9	ML 1.3		
PBAR	e P	c	01:14:06.10	BZ					Lat	36.501°N	Lon	07.967°W	Prof	25
	IAmb		01:14:43.33	BZ	0.510	1.3			Região:	Golfo de Cádiz	Rms	0.4		
PMRV	e P	c	01:14:07.06	BZ					AxMax	9.1	AxMin	6.6	Ang	66
	IAmb		01:14:17.27	BZ	0.420	1.4			Est	Fase	P h:m:s	Dur	Co	Amp
	e S		01:19:18.31	LN					PBDV	e S		01:23:23.60	HE	
	e LR		01:26:49.68	LZ					IAML		01:23:27.02	HZ	0.008	0.1
	IAMS_20		01:28:05.33	LZ	21.96	22			PVAQ	e P		01:23:15.85	HZ	
PCBR	e P	c	01:14:07.39	SZ					e S		01:23:27.73	H2		
	IAmb		01:14:18.52	SZ	0.488	1.4			IAML		01:23:28.41	HZ	0.003	0.2
MTE	e P	c	01:14:07.76	BZ					PCVE	e P		01:23:18.71	HZ	
	IAmb		01:14:18.22	BZ	0.460	1.3			e S		01:23:32.68	HN		</



PLOUS	e S	10:12:21.61	H2					IAMB	11:49:01.72	BZ	0.200	1.7
	IAML	10:12:25.49	HZ	0.006	0.3		PAZOI	e P	11:48:34.09	BZ		
	e P	10:12:11.79	HZ					IAMB	11:48:46.59	BZ	0.286	1.5
	e S	10:12:23.20	HE				MOE	e P	11:48:33.56	BZ		
PBEJ	IAML	10:12:25.00	HZ	0.005	0.2			IAMB	11:49:03.05	BZ	0.284	1.6
	e P	10:12:15.73	EZ				EVO	e P	11:48:32.37	BZ		
	e S	10:12:29.60	EE					IAMB	11:48:41.27	BZ	0.152	1.4
MOE	IAML	10:12:30.59	EZ	0.003	0.1		PLOUS	e P	11:48:34.98	BZ		
	e P	10:12:19.12	HZ					IAMB	11:48:48.69	BZ	0.182	1.7
	e S	10:12:37.89	HN				PBAR	e P	11:48:35.24	BZ		
EVO	IAML	10:12:41.09	HZ	0.006	0.6			IAMB	11:48:43.70	BZ	0.297	1.5
	e S	10:12:40.41	HN				PBEJ	e P	11:48:35.99	SZ		
	PBAR	e Sg	10:12:47.26	HN				IAMB	11:48:43.51	SZ	0.134	1.7
PARRA	IAML	10:12:49.59	HZ	0.001	1.0		MESJ	e P	11:48:34.91	BZ		
	e Pn	10:12:23.42	HZ					IAMB	11:49:06.22	BZ	0.166	1.5
	e Sg	10:12:48.29	HN				PTEO	e P	11:48:37.50	BZ		
PMTG	IAML	10:12:50.83	HZ	0.002	0.6			IAMB	11:48:45.21	BZ	0.317	1.5
	e Pg	10:12:30.81	HZ				PCVE	e P	11:48:37.50	BZ		
	e Sg	10:12:55.06	HE					IAMB	11:48:56.19	BZ	0.155	1.3
11-Jan	IAML	10:12:59.32	HZ	0.003	0.7		MORF	e P	11:48:38.04	BZ		
								IAMB	11:48:46.64	BZ	0.367	1.6
							PVAQ	e P	11:48:38.36	BZ		
								IAMB	11:48:48.92	BZ	0.294	2.0
								e PP	11:52:10.54	LZ		
Est	Fase	P h:m:s	Dur	Co	Amp	Per		e S	11:59:20.95	L2		
PGAV	e P	11:48:17.01	BZ					e SS	12:05:29.94	L1		
	IAMB	11:48:27.72	BZ	0.719	1.8			e LQ	12:14:44.16	L1		
	e S	11:58:50.99	LE					e LR	12:22:29.80	LZ		
	e LQ	12:11:06.30	LE					IAMs_20	12:29:28.71	LZ	69.08	20
	e LR	12:16:50.82	LZ				PFVI	e P	11:48:38.88	BZ		
PCAB	IAMs_20	12:27:27.37	LZ	40.56	20			IAMB	11:48:47.16	BZ	0.331	1.5
	e P	11:48:18.00	SZ				PMPST	e P	11:48:50.13	BZ		
	IAMB	11:48:28.68	SZ	0.584	1.7			IAMB	11:49:10.15	BZ	0.555	1.1
PBRG	e P	11:48:18.38	BZ				PMPS	IAMB	11:49:10.19	EZ	0.337	1.1
	IAMB	11:48:30.22	BZ	0.508	1.8		PMOZ	e P	11:48:52.83	BZ		
POLO	e P	11:48:20.35	BZ					IAMB	11:49:03.56	BZ	0.311	1.5
	IAMB	11:48:30.76	BZ	0.251	1.8			e PP	11:52:26.15	LZ		
PTO	e P	11:48:20.56	SZ					e S	11:59:40.14	LN		
	IAMB	11:48:51.52	SZ	0.683	1.6			e LR	12:22:36.13	LZ		
PVRL	e P	11:48:20.77	SZ					IAMs_20	12:28:21.14	LZ	34.74	22
	IAMB	11:48:31.98	SZ	0.696	1.8							
	e P	11:48:21.63	BZ				11-Jan	Ho 11:45:55.9	Distante (NEIC)	mb 5.4		
MVO	IAMB	11:48:33.20	BZ	0.537	1.8			Lat 52.502°N	Lon 168.020°W	Prof 32</		









PLOUS	e P	03:13:52.07	HZ
	e S	03:14:10.06	HE
PBAR	e Sn	03:14:15.01	HE
EVO	e Pn	03:13:58.85	HZ
	e Sn	03:14:20.60	HE
MOE	e Pg	03:14:00.45	HZ
	e Sn	03:14:20.68	HE
	e Sg	03:14:25.04	HE
PARRA	e Sn	03:14:24.68	HN
	e Sg	03:14:31.72	HE

**12-Jan Ho 07:03:16.2 ML 1.7**  
**Lat 37.267°N Lon 04.437°W Prof 17**  
**Região: N Malaga (ESP) Rms 0.4**  
**AxMax 3.6 AxMin 2.8 Ang 41 ErrZ 6**

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PBAR	e Pn	07:03:51.03		HZ		
	e Sn	07:04:17.84		HE		
	e Sg	07:04:27.94		HN		
PVAQ	e Pn	07:03:56.58		HZ		
	e Sn	07:04:27.13		H1		
	e Sg	07:04:37.96		H2		
	IAML	07:04:46.46		HZ	0.003	0.6
PBDV	e Pn	07:03:58.97		HZ		
	e Sn	07:04:31.73		HE		
	e Sg	07:04:42.22		HE		
PMRV	e Sn	07:04:40.81		HE		
	e Sg	07:04:56.73		HE		
PARRA	e Pn	07:04:10.86		HZ		
	e Pg	07:04:17.77		HZ		
	e Sn	07:04:42.61		HE		
	e Sg	07:04:57.44		HN		
PSARD	e Pn	07:04:12.67		HZ		
	e Sn	07:04:54.22		HN		

**12-Jan Ho 13:18:35.9 ML 2.2**  
**Lat 35.536°N Lon 03.636°W Prof 4\***  
**Região: Alboran Rms 0.4**  
**AxMax 3.9 AxMin 3.5 Ang 25 ErrZ 0**

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PVAQ	e P	13:19:33.81		HZ		
	e S	13:20:16.70		H1		
	IAML	13:20:31.38		HZ	0.005	0.4
PBAR	e P	13:19:34.16		HZ		
	e S	13:20:17.92		HE		
	IAML	13:20:34.15		HZ	0.002	0.7
PBDV	e P	13:19:34.91		HZ		
	e S	13:20:18.88		HE		
PCVE	e P	13:19:38.94		HZ		
	e S	13:20:25.21		HE		
MESJ	e P	13:19:41.59		HZ		
	IAML	13:20:45.19		HZ	0.003	0.5
PESTR	e P	13:19:45.81		HZ		
PARRA	e P	13:19:48.75		HZ		
	e S	13:20:42.41		HN		
MOE	e P	13:19:48.77		HZ		
PMRV	e P	13:19:50.51		HZ		
PMTG	e P	13:19:53.13		HZ		
PSARD	e P	13:19:57.62		HZ		
	e S	13:20:57.59		HN		

**12-Jan Ho 13:16:21.4 Distante (NEIC) Mw 5.6**  
**Lat 06.598°S Lon 147.330°E Prof 71**  
**Região: Eastern New Guinea Reg., P.N.G.**

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PBRG	e PKPdf	13:35:39.30		BZ		
PGAV	e PKPdf	13:35:39.94		BZ		
MVO	e PKPdf	13:35:41.18		BZ		
POLO	e PKPdf	13:35:39.82		BZ		
PVRL	e PKPdf	13:35:38.37		SZ		
PVIS	e PKPdf	13:35:41.29		BZ		
PTO	e PKPdf	13:35:37.73		SZ		
PCBR	e PKPdf	13:35:38.15		SZ		
PMRV	e PKPdf	13:35:41.41		BZ		
PCAS	e PKPdf	13:35:42.94		BZ		
PSARD	e PKPdf	13:35:38.77		BZ		
PESTR	e PKPdf	13:35:41.13		BZ		
PSBE	e PKPdf	13:35:41.84		BZ		

	i -	13:35:46.85	BZ
PBAR	e PKPdf	13:35:41.42	BZ
PARRA	e PKPdf	13:35:42.30	BZ
MOE	e PKPdf	13:35:41.46	BZ
PBEJ	e PKPdf	13:35:42.90	SZ
PLOUS	e PKPdf	13:35:38.40	BZ
MESJ	e PKPdf	13:35:46.26	BZ
PBDV	e PKPdf	13:35:48.14	BZ
PTEO	e PKPdf	13:35:42.97	BZ
MORF	e PKPdf	13:35:42.79	BZ
PFVI	e PKPdf	13:35:45.21	BZ
PMAR	e PKPdf	13:36:04.89	BZ
PMOZ	e PKPdf	13:36:00.91	BZ

**12-Jan Ho 13:52:23.7 ML 2.6**  
**Lat 35.524°N Lon 03.597°W Prof 31\***  
**Região: Alboran Rms 0.5**  
**AxMax 4.5 AxMin 3.7 Ang 128 ErrZ 0**

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PVAQ	e P	13:53:19.36		HZ		
	e S	13:54:01.34		H1		
	IAML	13:54:14.15		HZ	0.010	0.4
PBAR	e P	13:53:22.09		HZ		
	e S	13:54:02.39		HN		
	IAML	13:54:36.44		HZ	0.006	0.6
PBDV	e P	13:53:20.26		HZ		
	e S	13:54:02.86		HN		
	IAML	13:54:08.52		HZ	0.010	0.5
PCVE	e P	13:53:23.55		HZ		
	e S	13:54:09.26		HE		
	IAML	13:54:14.09		HZ	0.009	0.6
PBEJ	e S	13:54:12.24		EN		
	IAML	13:54:48.62		EZ	0.005	0.5
MESJ	e P	13:53:27.56		HZ		
	e S	13:54:14.98		HE		
	IAML	13:54:16.63		HZ	0.008	0.4
MORF	e S	13:54:19.38		HE		
PFVI	e S	13:54:18.65		HN		
PLOUS	e P	13:53:30.91		HZ		
EVO	e P	13:53:31.74		HZ		
	e S	13:54:21.49		HE		
PARRA	e P	13:53:34.33		HZ		
	e S	13:54:26.87		HE		
	IAML	13:54:48.59		HZ	0.005	0.5
MOE	e P	13:53:34.69		HZ		
	e S	13:54:28.16		HN		
	IAML	13:54:28.74		HZ	0.009	0.5
PMRV	e P	13:53:36.45		HZ		
	e S	13:54:30.74		HN		
PSARD	e P	13:53:43.21		HZ		
	IAML	13:54:50.96		HZ	0.010	0.4

**12-Jan Ho 18:25:22.3 ML 2.2**  
**Lat 35.225°N Lon 04.640°W Prof 22**  
**Região: W Al Hoceima (MARR) Rms 0.4**  
**AxMax 4.2 AxMin 2.3 Ang 85 ErrZ 7**

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PVAQ	e P	18:26:11.38		HZ		
	e S	18:26:48.74		H2		
	IAML	18:26:56.20		HZ	0.003	0.7
PBDV	e P	18:26:12.07		HZ		
	e S	18:26:44.65		HN		
PBAR	e P	18:26:14.24		HZ		
	e S	18:26:53.72		HE		
	IAML	18:26:55.28		HZ	0.003	0.5
PCVE	e P	18:26:17.20		HZ		
	e S	18:26:57.40		HN		
	IAML	18:27:00.41		HZ	0.004	0.4
MORF	e P	18:26:19.58		HZ		
	e S	18:27:01.87		HE		
	IAML	18:27:18.90		HZ	0.005	0.6
MESJ	e P	18:26:19.59		HZ		
	e S	18:27:00.97		HN		
	IAML	18:27:05.95		HZ	0.005	0.4
PLOUS	e P	18:26:23.80		HZ		
	e S	18:27:09.64		HN		
EVO	e P	18:26:25.47		HZ		
	e S	18:27:12.38		HN		



















EVO	e P	11:25:14.82	HZ		IAML	16:11:41.82	HZ	0.003	0.5
	e S	11:26:07.70	HN		PESTR	e P	16:10:47.89	HZ	
PARRA	e P	11:25:17.73	HZ			e S	16:11:38.53	HE	
	e S	11:26:10.87	HE			IAML	16:11:45.65	HZ	0.003 0.4
MOE	e P	11:25:18.81	HZ		EVO	e P	16:10:47.50	HZ	
	e S	11:26:12.36	HN			e S	16:11:38.90	HN	
PMTG	e P	11:25:21.76	HZ		PARRA	e P	16:10:50.30	HZ	
PSARD	e P	11:25:26.97	HZ			e S	16:11:43.12	HE	
MVO	e P	11:25:37.83	HZ			IAML	16:11:48.69	HZ	0.002 0.2
					MOE	e P	16:10:50.49	HZ	
						e S	16:11:44.57	HE	
15-Jan	Ho	12:33:47.0			ML	2.0			
	Lat	35.498°N	Lon	03.599°W	Prof	10*			
	Região:	NE Al Hoceima (MARR)			Rms	0.5			
	AxMax	4.2	AxMin	3.4	Ang	62	ErrZ	0	
Est	Fase	P h:m:s	Dur	Co	Amp	Per			
PVAQ	e P	12:34:44.24	HZ						
	e S	12:35:27.36	H1						
	IAML	12:35:32.07	HZ	0.003	0.8				
PBAR	e P	12:34:44.48	HZ						
	e S	12:35:26.99	HE						
	IAML	12:35:36.14	HZ	0.002	0.4				
PBDV	e P	12:34:44.71	HZ						
	e S	12:35:29.70	HN						
	IAML	12:35:42.36	HZ	0.004	0.7				
MESJ	e P	12:34:52.40	HZ						
	e S	12:35:40.79	HN						
	IAML	12:35:44.37	HZ	0.002	0.4				
PLOUS	e P	12:34:54.93	HZ						
PESTR	e P	12:34:57.29	HZ						
EVO	e P	12:34:56.02	HZ						
	e S	12:35:48.24	HN						
PARRA	e P	12:34:58.77	HZ						
	e S	12:35:52.86	HN						
	IAML	12:36:25.20	HZ	0.002	0.6				
PMRV	e P	12:35:01.04	HZ						
PMTG	e P	12:35:02.85	HZ						
PSARD	e P	12:35:08.25	HZ						
	e S	12:36:08.12	HN						
	IAML	12:36:13.23	HZ	0.003	0.2				
15-Jan	Ho	12:33:47.0			ML	2.0			
Est	Fase	P h:m:s	Dur	Co	Amp	Per			
PARRA	e Pg	15:38:09.65	HZ						
	e Sg	15:38:11.33	HE						
	IAML	15:38:11.55	HZ	0.003	0.2				
PMTG	e Pg	15:38:14.10	HZ						
	e Sg	15:38:19.16	HN						
MOE	e Pg	15:38:14.81	HZ						
	e Sg	15:38:20.18	HN						
EVO	e Sg	15:38:16.29	HN						
	IAML	15:38:16.45	HZ	0.004	0.1				
15-Jan	Ho	16:09:38.3			ML	2.4			
	Lat	35.460°N	Lon	03.554°W	Prof	22			
	Região:	NE Al Hoceima (MARR)			Rms	0.4			
	AxMax	2.7	AxMin	2.3	Ang	140	ErrZ	5	
Est	Fase	P h:m:s	Dur	Co	Amp	Per			
PVAQ	e P	16:10:35.44	HZ						
	e S	16:11:18.76	H1						
	IAML	16:11:30.02	HZ	0.006	0.5				
PBAR	e P	16:10:35.96	HZ						
	e S	16:11:19.18	HE						
	IAML	16:11:24.65	HZ	0.005	0.6				
PBDV	e P	16:10:36.88	HZ						
	e S	16:11:21.06	HE						
	IAML	16:11:25.56	HZ	0.004	0.2				
PCVE	e P	16:10:40.21	HZ						
	e S	16:11:27.53	HN						
	IAML	16:11:35.38	HZ	0.004	0.5				
PBEJ	e P	16:10:41.63	EZ						
	e S	16:11:29.22	EN						
MESJ	e P	16:10:43.30	HZ						
	e S	16:11:33.45	HN						
	IAML	16:11:42.46	HZ	0.004	0.8				
PTEO	e P	16:10:46.75	HZ						
	e S	16:11:37.96	HN						
PLOUS	e P	16:10:46.40	HZ						
	e S	16:11:37.67	HE						
15-Jan	Ho	21:22:34.9			ML	1.1			
	Lat	36.568°N	Lon	07.470°W	Prof	12			
	Região:	Golfo de Cádiz			Rms	0.4			
	AxMax	11.0	AxMin	7.2	Ang	98	ErrZ	5	
Est	Fase	P h:m:s	Dur	Co	Amp	Per			
PBDV	e P	21:22:48.83	HZ						
	e S	21:22:58.81	HN						
	IAML	21:23:15.24	HZ	0.003	0.7				
PVAQ	e P	21:22:50.52	HZ						
	e S	21:23:01.74	H2						
	IAML	21:23:02.69	HZ	0.004	0.3				
PCVE	e P	21:22:54.69	HZ						
	e S	21:23:09.21	HE						
	IAML	21:23:09.30	HZ	0.001	0.1				
MORF	e S	21:23:13.03	HE						
PFVI	e S	21:23:12.92	HN						
MESJ	e P	21:22:58.34	HZ						
	e S	21:23:16.09	HN						
	IAML	21:23:19.48	HZ	0.002	0.8				
PBAR	e S	21:23:23.76	HE						
EVO	e S	21:23:30.49	HN						
MOE	e S	21:23:32.82	HN						
PARRA	e P	21:23:10.63	HZ						
	e S	21:23:37.49	HN						
PMTG	e S	21:23:44.75	HE						
15-Jan	Ho	21:42:04.5			ML	2.2			
	Lat	34.273°N	Lon	16.185°W	Prof	10*			
	Região:	N Porto Santo (Madeira)			Rms	0.0			
	AxMax	4.6	AxMin	3.0	Ang	110	ErrZ	0	
Est	Fase	P h:m:s	Dur	Co	Amp	Per			
PMPST	i P	d 21:42:21.62	HZ						
	e S	21:42:34.48	HN						
	IAML	21:42:36.24	HZ	0.023	0.2				
PMPS	e P	21:42:21.87	EZ						
	e S	21:42:34.88	EZ						
	IAML	21:42:36.35	EZ	0.026	0.8				
PMAR	e S	21:42:44.08	H1						
	IAML	21:42:47.15	HZ	0.021	0.2				

PMOZ	e S	21:42:46.06	HN					PARRA	i Pg	c	23:12:03.87	HZ					
15-Jan	Ho	22:05:08.8							e Sg		23:12:07.46	HE					
	Lat	36.561°N	Lon	08.071°W					IAML		23:12:07.72	HZ	0.001	0.4			
	Região:	SW Faro							PMTG	e Sg	23:12:13.13	HN					
	AxMax	5.1	AxMin	4.5	Ang	150	ErrZ	7		IAML		23:12:13.89	HZ	0.001	0.1		
Est	Fase	P h:m:s	Dur	Co		Amp	Per	PESTR	e Sg		23:12:16.83	HN					
PBDV	e S	22:05:31.01		HE				15-Jan	Est	Fase	P h:m:s	Dur	Co		Amp	Per	
PFVI	e P	22:05:23.07		HZ					PBAR	e P		23:57:03.15	HZ				
	e S	22:05:34.49		HN						e S		23:57:49.21	HN				
PMONC	e S	22:05:34.43		H1					PVAQ	e P		23:57:03.44	HZ				
MORF	e P	22:05:23.76		HZ					e S		23:57:47.59	H1					
PVAQ	e P	22:05:23.92		HZ				PARRA	e P		23:57:18.25	HZ					
	e S	22:05:35.40		H2				PMRV	e P		23:57:20.39	HZ					
	IAML	22:05:35.96		HZ	0.005	0.3		PSARD	e P		23:57:26.81	HZ					
PCVE	e P	22:05:27.20		HZ				16-Jan	Ho	01:41:20.2					ML 1.6		
	e S	22:05:40.26		HE					Lat	35.504°N	Lon	03.618°W				Prof 12	
	IAML	22:05:41.57		HZ	0.003	0.2			Região:	Alboran						Rms 0.5	
PTEO	e P	22:05:27.40		HZ					AxMax	3.6	AxMin	3.2	Ang	36	ErrZ	7	
	e S	22:05:41.36		HN				Est	Fase	P h:m:s	Dur	Co		Amp	Per		
MESJ	e P	22:05:30.12		HZ				PVAQ	e P		01:42:17.47	HZ					
	e S	22:05:45.72		HE					e S		01:43:00.50	H1					
	IAML	22:05:46.02		HZ	0.003	0.2		PBAR	e P		01:42:17.41	HZ					
PBEJ	e S	22:05:49.37		EN					e S		01:43:00.37	HN					
PLOUS	e P	22:05:32.36		HZ				PBDV	e P		01:42:18.09	HZ					
	e S	22:05:49.98		HE				MESJ	e P		01:42:25.73	HZ					
	IAML	22:05:53.89		HZ	0.001	0.4		PTEO	e P		01:42:29.03	HZ					
PBAR	e P	22:05:36.59		HZ				PLOUS	e P		01:42:28.84	HZ					
	e S	22:05:57.77		HE				EVO	e P		01:42:29.12	HZ					
EVO	e S	22:06:01.62		HE				PARRA	e P		01:42:32.21	HZ					
	IAML	22:06:03.49		HZ	0.002	0.4		PMRV	e P		01:42:33.71	HZ					
MOE	e P	22:05:39.62		HZ				PMTG	e P		01:42:36.38	HZ					
	e S	22:06:01.76		HE				PSARD	e P		01:42:41.45	HZ					
	IAML	22:06:03.29		HZ	0.002	0.2			e S		01:43:40.56	HN					
PARRA	e P	22:05:42.79		HZ				16-Jan	Ho	02:51:57.2							
	e S	22:06:08.01		HE					Lat	38.847°N	Lon	12.871°W				Prof 10*	
	IAML	22:06:09.46		HZ	0.001	0.5			Região:	Abissal do Tejo						Rms 0.4	
PESTR	e S	22:06:11.25		HN					AxMax	6.1	AxMin	5.8	Ang	97	ErrZ	0	
PMTG	e S	22:06:15.30		HE													









PVRL	e	Sn	14:37:18.97	HE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
------	---	----	-------------	----	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--



















<b>18-Jan</b>	<b>Ho</b>	<b>13:45:21.3</b>			<b>ML 4.0</b>
	<b>Lat</b>	<b>26.907°N</b>	<b>Lon</b>	<b>14.313°W</b>	<b>Prof 31*</b>
	<b>Região: Western Sahara</b>				<b>Rms 0.5</b>
	<b>AxMax</b>	<b>9.9</b>	<b>AxMin</b>	<b>5.9</b>	<b>Ang 160</b>
					<b>ErrZ 0</b>
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp Per</i>
PMAR	e P	13:46:49.71		HZ	
	e S	13:47:53.94		H2	
	IAML	13:48:05.20		HZ	0.206 0.3
	e T	13:51:44.95		HZ	
PMPS	e P	13:46:51.20		EZ	
	IAML	13:48:05.76		EZ	0.075 0.3
	e T	13:51:47.75		EZ	
PMPST	e P	13:46:51.95		HZ	
	e S	13:47:57.84		HN	
	IAML	13:48:04.82		HZ	0.106 0.2
	e T	13:51:50.96		HZ	
PMOZ	e P	13:46:51.72		HZ	
	e S	13:47:59.53		HN	
	IAML	13:48:18.42		HZ	0.159 0.4
PFVI	e P	13:47:54.12		HZ	
	e S	13:49:54.30		HN	
MORF	e P	13:47:57.28		HZ	
	e S	13:49:58.98		HE	
PMONC	e P	13:48:00.26		HZ	
	e S	13:50:00.93		H2	
PTEO	e P	13:48:00.52		HZ	
	e S	13:50:04.46		HE	
PBDV	e P	13:48:00.41		HZ	
	e S	13:50:02.99		HN	
PVAQ	e P	13:48:03.43		HZ	
	e S	13:50:08.57		H1	
PCVE	e P	13:48:04.58		HZ	
	e S	13:50:11.71		HE	
MESJ	e P	13:48:06.26		HZ	
	e S	13:50:14.27		HN	
PLOUS	e S	13:50:16.42		HE	
PBEJ	e S	13:50:20.99		EN	
MOE	e P	13:48:14.50		HZ	
	e S	13:50:28.48		HN	
EVO	e P	13:48:15.08		HZ	
	e S	13:50:31.40		HN	
PBAR	e P	13:48:16.05		HZ	
	e S	13:50:30.40		HN	
PARRA	e P	13:48:18.75		HZ	
	e S	13:50:36.63		HE	
PMTG	e P	13:48:21.51		HZ	
	e S	13:50:41.12		HE	
PESTR	e S	13:50:41.82		HE	
PSARD	e P	13:48:28.09		HZ	
	e S	13:50:54.17		HE	
PMRV	e P	13:48:28.85		HZ	
	e S	13:50:55.45		HE	
PCAS	e S	13:51:02.86		HE	
MVO	e S	13:51:37.11		HE	

<b>18-Jan</b>	<b>Ho</b>	<b>15:22:45.1</b>			<b>ML 1.2</b>
	<b>Lat</b>	<b>42.223°N</b>	<b>Lon</b>	<b>08.379°W</b>	<b>Prof 23</b>
	<b>Região: NW Melgaço</b>				<b>Rms 0.3</b>
	<b>AxMax</b>	<b>4.5</b>	<b>AxMin</b>	<b>2.4</b>	<b>Ang 93</b>
					<b>ErrZ 4</b>
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp Per</i>
PGAV	e Pg	15:22:51.53		HZ	
	e Sg	15:22:55.96		HE	
	IAML	15:22:56.29		HZ	0.009 0.3
POLO	e P	15:23:02.50		HZ	
	e S	15:23:14.06		HE	
	IAML	15:23:15.80		HZ	0.001 0.5
PBRG	e Sg	15:23:25.60		HE	

<b>18-Jan</b>	<b>Ho</b>	<b>15:35:41.7</b>			<b>ML 0.9</b>
	<b>Lat</b>	<b>42.231°N</b>	<b>Lon</b>	<b>08.357°W</b>	<b>Prof 14</b>
	<b>Região: NW Melgaço</b>				<b>Rms 0.3</b>
	<b>AxMax</b>	<b>3.4</b>	<b>AxMin</b>	<b>2.9</b>	<b>Ang 59</b>
					<b>ErrZ 14</b>
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp Per</i>
PGAV	e Pg	15:35:47.26		HZ	
	e Sg	15:35:51.66		HE	
	IAML	15:35:52.00		HZ	0.005 0.3
PCAB	e Sg	15:36:00.65		EN	
POLO	e S	15:36:11.14		HE	

	IAML	15:36:11.48		HZ	0.001 0.2
PBRG	e Sg	15:36:21.71		HN	

<b>18-Jan</b>	<b>Ho</b>	<b>17:13:53.0</b>			<b>ML 1.5</b>
	<b>Lat</b>	<b>42.230°N</b>	<b>Lon</b>	<b>08.359°W</b>	<b>Prof 20</b>
	<b>Região: NW Melgaço</b>				<b>Rms 0.2</b>
	<b>AxMax</b>	<b>3.6</b>	<b>AxMin</b>	<b>1.6</b>	<b>Ang 77</b>
					<b>ErrZ 3</b>
<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	16:15:30.51		HZ	
	e S	16:16:15.99		HE	
PVAQ	e P	16:15:31.12		HZ	
	e S	16:16:13.72		H2	

<b>18-Jan</b>	<b>Ho</b>	<b>17:13:53.0</b>			<b>ML 1.5</b>
	<b>Lat</b>	<b>42.230°N</b>	<b>Lon</b>	<b>08.359°W</b>	<b>Prof 20</b>
	<b>Região: NW Melgaço</b>				<b>Rms 0.2</b>
	<b>AxMax</b>	<b>3.6</b>	<b>AxMin</b>	<b>1.6</b>	<b>Ang 77</b>
					<b>ErrZ 3</b>
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp Per</i>
PGAV	e Pg	17:13:59.06		HZ	
	e Sg	17:14:03.31		HN	
	IAML	17:14:03.82		HZ	0.020 0.3
PCAB	e Pg	17:14:03.99		EZ	
	e Sg	17:14:11.95		EE	
	IAML	17:14:12.68		EZ	0.017 0.2
POLO	e P	17:14:10.03		HZ	
	e S	17:14:22.92		HE	
	IAML	17:14:23.25		HZ	0.003 0.2
PBRG	e S	17:14:31.34		HE	
	IAML	17:14:35.69		HZ	0.004 0.2

<b>18-Jan</b>	<b>Ho</b>	<b>18:06:47.4</b>	<b>Distante (NEIC)</b>	<b>Mw 5.4</b>
	<b>Lat</b>	<b>63.160°S</b>	<b>Lon 160.510°W</b>	<b>Prof 10</b>
	<b>Região: Pacific-Antarctic Ridge</b>			
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>
PTEO	e PKPab	18:26:38.54		BZ
PCVE	e PKPab	18:26:39.18		BZ
PAZOI	e PKPdf	18:26:31.52		BZ
	e PKPab	18:26:39.93		BZ
PBAR	e PKPab	18:26:45.62		BZ
EVO	e PKPab	18:26:43.27		BZ
PARRA	e PKPdf	18:26:31.68		BZ
	e PKPab	18:26:45.51		BZ
PMTG	e PKPab	18:26:45.54		BZ
PESTR	e PKPab	18:26:43.70		BZ
PMRV	e PKPab	18:26:46.94		BZ
PCBR	e PKPdf	18:26:35.11		SZ
	e PKPab	18:26:47.42		SZ

<b>18-Jan</b>	<b>Ho</b>	<b>22:04:06.6</b>			<b>ML 0.8</b>
	<b>Lat</b>	<b>42.241°N</b>	<b>Lon</b>	<b>08.340°W</b>	<b>Prof 10</b>
	<b>Região: NW Melgaço</b>				<b>Rms 0.3</b>
	<b>AxMax</b>	<b>4.4</b>	<b>AxMin</b>	<b>2.0</b>	<b>Ang 77</b>
					<b>ErrZ 5</b>
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp Per</i>
PGAV	e Pg	22:04:12.36		HZ	
	e Sg	22:04:16.59		HN	
	IAML	22:04:17.08		HZ	0.005 0.3
PCAB	e Pg	22:04:16.88		EZ	
	e Sg	22:04:25.37		EE	
POLO	e P	22:04:23.70		HZ	
	e S	22:04:36.34		HE	
	IAML	22:04:36.75		HZ	0.001 1.0
PBRG	e S	22:04:46.43		HE	
	IAML	22:04:49.07		HZ	0.001 0.3

<b>18-Jan</b>						
<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	23:51:10.33		HZ		
	e S	23:51:53.28		H2		
	IAML	23:52:02.02		HZ	0.003	0.8
PBDV	e P	23:51:11.74		HZ		
PARRA	e P	23:51:25.78		HZ		
PBAR	e S	23:51:54.25		HE		

<b>19-Jan Ho 01:04:19.0 ML 1.0</b>						
<b>Lat 42.232°N Lon 08.376°W Prof 20</b>						
<b>Região: NW Melgaço Rms 0.3</b>						
<b>AxMax 3.4 AxMin 1.9 Ang 81 ErrZ 4</b>						
<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 Pg	01:04:24.99		HZ		
	e Sg	01:04:29.33		HN		
	IAML	01:04:31.21		HZ	0.004	0.2
PCAB	e Pg	01:04:30.10		EZ		
	e Sg	01:04:37.90		EN		
	IAML	01:04:38.58		EZ	0.006	0.2
POLO	e P	01:04:35.93		HZ		
	e S	01:04:48.84		HN		
	IAML	01:04:49.93		HZ	0.001	0.3
PVRL	e S	01:04:52.22		EN		
PBRG	e Sg	01:04:59.40		HN		
MVO	e Sg	01:05:05.22		HN		

<b>19-Jan Ho 01:10:33.8 ML 2.5</b>						
<b>Lat 37.678°N Lon 17.078°W Prof 10*</b>						
<b>Região: Madeira-Tore Rms 0.3</b>						
<b>AxMax 10.1 AxMin 6.2 Ang 87 ErrZ 0</b>						
<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	01:12:01.49		HZ		
	e S	01:13:06.24		HN		
	IAML	01:13:11.16		HZ	0.007	0.2
PAZOI	e S	01:13:05.05		HN		
PFVI	e P	01:12:03.60		HZ		
	e S	01:13:12.14		HN		
PTEO	e P	01:12:03.91		HZ		
	e S	01:13:13.87		HN		
	IAML	01:13:19.47		HZ	0.004	0.6
MORF	e P	01:12:05.64		HZ		
	e S	01:13:15.55		HE		
	IAML	01:13:22.51		HZ	0.003	0.8
PSBE	e S	01:13:19.59		HE		
PLOUS	e P	01:12:07.73		HZ		
	e S	01:13:18.87		HN		
	IAML	01:13:20.49		HZ	0.002	0.8
MOE	e P	01:12:09.86		HZ		
	e S	01:13:22.41		HE		
	IAML	01:13:23.48		HZ	0.002	0.7
MESJ	e S	01:13:23.11		HN		
	IAML	01:13:50.85		HZ	0.002	0.7
PMTG	e P	01:12:11.49		HZ		
	e S	01:13:24.49		HE		
	IAML	01:13:32.48		HZ	0.002	0.9
PCAS	e S	01:13:25.02		HN		
	IAML	01:13:29.52		HZ	0.002	0.3
PCVE	e S	01:13:26.24		HE		
EVO	e S	01:13:26.93		HE		
	IAML	01:13:31.23		HZ	0.002	0.8
PARRA	e P	01:12:13.29		HZ		
	e S	01:13:26.69		HE		
	IAML	01:13:30.94		HZ	0.001	0.2
PSARD	e S	01:13:29.29		HN		
	IAML	01:13:32.74		HZ	0.004	0.5
PBDV	e P	01:12:12.69		HZ		
	e S	01:13:29.12		HN		
	IAML	01:13:31.12		HZ	0.003	0.9
PBEJ	e S	01:13:29.38		EE		
	IAML	01:13:33.59		EZ	0.001	0.7
PVAQ	e P	01:12:15.81		HZ		
	e S	01:13:32.72		H2		
PESTR	e S	01:13:35.88		HN		
	IAML	01:13:38.87		HZ	0.002	0.6
PVIS	e S	01:13:40.19		HN		
PMRV	e S	01:13:41.50		HE		

	IAML	01:13:44.71		HZ	0.002	0.3
PCBR	e S	01:13:41.91		EN		
	IAML	01:13:44.76		EZ	0.001	0.2
MTE	e S	01:13:44.37		HE		
	IAML	01:13:48.38		HZ	0.001	0.2
PBAR	e S	01:13:44.91		HE		
	IAML	01:13:55.33		HZ	0.001	0.5
PGAV	e S	01:13:46.86		HE		
	IAML	01:13:48.92		HZ	0.002	0.3
PCAB	e S	01:13:46.86		EN		
	IAML	01:13:52.71		EZ	0.002	0.2
POLO	e S	01:13:47.99		HN		
PVRL	e S	01:13:48.26		EE		
MVO	e S	01:13:58.03		HN		
	IAML	01:14:02.60		HZ	0.002	0.5
PBRG	e S	01:14:09.09		HN		
	IAML	01:14:15.02		HZ	0.001	0.7

<b>19-Jan Ho 01:33:22.5 ML 0.7</b>						
<b>Lat 42.166°N Lon 08.478°W Prof 19</b>						
<b>Região: N Monção Rms 0.2</b>						
<b>AxMax 8.9 AxMin 5.9 Ang 90 ErrZ 3</b>						
<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 Pg	01:33:27.88		HZ		
	e Sg	01:33:32.20		HN		
	IAML	01:33:32.68		HZ	0.002	0.1
PCAB	e Pg	01:33:33.79		EZ		
	e Sg	01:33:40.97		EE		
	IAML	01:33:46.64		EZ	0.002	0.3
POLO	e P	01:33:39.35		HZ		
	e S	01:33:52.08		HN		
PBRG	e S	01:34:02.60		HE		

<b>19-Jan</b>						
<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	02:29:21.52		HZ		
	e S	02:30:03.79		H1		
	IAML	02:30:07.89		HZ	0.003	0.8
PBAR	e P	02:29:22.07		HZ		
	e S	02:30:05.19		HE		
PARRA	e P	02:29:37.35		HZ		

<b>19-Jan Ho 02:57:05.0 ML 0.8</b>						
<b>Lat 42.238°N Lon 08.342°W Prof 9</b>						
<b>Região: NW Melgaço Rms 0.3</b>						
<b>AxMax 4.1 AxMin 2.0 Ang 80 ErrZ 4</b>						
<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 Pg	02:57:10.61		HZ		
	e Sg	02:57:14.70		HE		
	IAML	02:57:15.34		HZ	0.003	0.3
PCAB	e Pg	02:57:15.55		EZ		
	e Sg	02:57:23.52		EN		
	IAML	02:57:24.59		EZ	0.004	0.3
POLO	e P	02:57:21.64		HZ		
	e S	02:57:34.52		HN		
	IAML	02:57:34.89		HZ	0.001	0.5
PVRL	e S	02:57:36.73		EN		
PBRG	e S	02:57:44.37		HN		
	IAML	02:57:47.41		HZ	0.001	0.8
PVIS	e S	02:57:51.42		HE		

<b>19-Jan Ho 03:24:50.4 ML 1.2</b>						
<b>Lat 42.232°N Lon 08.373°W Prof 20</b>						
<b>Região: NW Melgaço Rms 0.4</b>						
<b>AxMax 3.7 AxMin 2.1 Ang 83 ErrZ 4</b>						
<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 Pg	03:24:56.29		HZ		
	e Sg	03:25:00.66		HE		
	IAML	03:25:00.97		HZ	0.010	0.3
PCAB	e Pg	03:25:01.19		EZ		
	e Sg	03:25:09.17		EN		
	IAML	03:25:09.91		EZ	0.010	0.3
POLO	e P	03:25:06.87		HZ		
	e S	03:25:18.37		HN		
	IAML	03:25:20.53		HZ	0.002	0.5
PVRL	e S	03:25:23.29		EN		
	IAML	03:25:25.00		EZ	0.003	0.1
PBRG	e Pn	03:25:11.80		HZ		

MVO	e Pg	03:25:16.82		HZ	0.002	0.3
	e Sn	03:25:26.93		HE		
	e Sg	03:25:30.65		HN		
	IAML	03:25:32.93		HZ		
PVIS	e Pn	03:25:15.40		HZ		
	e Sg	03:25:36.87		HN		
MTE	e Sg	03:25:37.49		HE		
	e Sn	03:25:43.91		HN		
	e Sg	03:25:49.82		HE		
<hr/>						
<b>19-Jan</b>						
<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 Pg	03:24:20.91		HZ		
	e Sg	03:24:25.28		HE		
PCAB	IAML	03:24:26.29		HZ	0.002	0.5
	e Pg	03:24:26.05		EZ		
	e Sg	03:24:34.06		EE		
	IAML	03:24:35.51		EZ	0.003	0.1
POLO	e S	03:24:44.87		HN		
PBRG	e Sg	03:24:55.32		HN		
<hr/>						
<b>19-Jan</b>						
<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	03:31:50.93		HZ		
	e S	03:32:21.72		H2		
	IAML	03:32:23.18		HZ	0.003	0.7
	e P	03:32:04.53		HZ		
PARRA	e S	03:32:40.51		HE		
	IAML	03:32:45.04		HZ	0.001	0.7
PMRV	e P	03:32:05.32		HZ		
PBAR	e S	03:32:16.76		HN		
PBDV	e S	03:32:25.29		HE		
PESTR	e S	03:32:35.00		HN		
<hr/>						
<b>19-Jan</b>						
<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 Pg	03:32:59.52		HZ		
	e Sg	03:33:03.88		HN		
	IAML	03:33:04.46		HZ	0.002	0.9
PCAB	e Sg	03:33:12.69		EE		
POLO	e S	03:33:22.73		HN		
<hr/>						
<b>19-Jan</b>	<b>Ho</b>	<b>03:54:05.5</b>			<b>ML 0.8</b>	
	<b>Lat 42.167°N</b>		<b>Lon 08.510°W</b>		<b>Prof 17</b>	
	<b>Região: N Monção</b>				<b>Rms 0.2</b>	
	<b>AxMax 13.2</b>	<b>AxMin 1.8</b>	<b>Ang 65</b>		<b>ErrZ 6</b>	
<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 Pg	d 03:54:11.25		HZ		
	e Sg	03:54:15.45		HN		
PCAB	IAML	03:54:16.10		HZ	0.003	0.3
	e Pg	03:54:16.17		EZ		
	e Sg	03:54:24.02		EN		
	IAML	03:54:25.24		EZ	0.003	0.3
POLO	e P	03:54:23.04		HZ		
	e S	03:54:35.56		HN		
PVRL	e S	03:54:35.07		EN		
PBRG	e S	03:54:45.69		HE		
	IAML	03:54:46.40		HZ	0.001	0.9
<hr/>						
<b>19-Jan</b>	<b>Ho</b>	<b>04:25:47.7</b>	<b>Distante (NEIC)</b>		<b>mb 4.6</b>	
	<b>Lat 05.400°N</b>		<b>Lon 72.540°W</b>		<b>Prof 10</b>	
	<b>Região: Colombia</b>					
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp</i>	<i>Per</i>
PLOUS	e P	04:36:42.42		BZ		
PSBE	e P	04:36:35.46		BZ		
MESJ	e P	04:36:45.47		BZ		
MOE	e P	04:36:41.39		BZ		
PMTG	e P	04:36:43.21		BZ		
PCAS	e P	04:36:36.99		BZ		
COI	e P	04:36:40.07		BZ		
PSARD	e P	04:36:40.62		BZ		
PESTR	e P	04:36:43.13		BZ		
PVIS	e P	04:36:43.50		BZ		
PGAV	e P	04:36:43.19		BZ		
PMRV	e P	04:36:44.17		BZ		
PBAR	e P	04:36:43.28		BZ		
PCAB	e P	04:36:47.27		SZ		
MTE	e P	04:36:45.06		BZ		
<hr/>						
POLO	e P	04:36:45.03		BZ		
MVO	e P	04:36:48.44		BZ		
PBRG	e P	04:36:45.33		BZ		
<hr/>						

PMRV	e P	05:29:10.89	HZ			
	e S	05:30:04.14	HE			
	IAML	05:30:19.27	HZ	0.002	0.6	
PMTG	e P	05:29:14.46	HZ			
	e S	05:30:08.00	HE			
	IAML	05:30:12.00	HZ	0.002	0.6	
PCBR	e S	05:30:11.54	EE			
PSARD	e P	05:29:18.87	HZ			
	e S	05:30:16.39	HN			
	IAML	05:30:31.69	HZ	0.003	0.9	

**19-Jan Ho 05:46:11.6 Distante (NEIC) Mw 5.3**  
**Lat 52.460°S Lon 12.980°E Prof 10**  
**Região: Southwest of Africa**

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PCVE	e P	05:59:20.14	BZ			
	IAMB	05:59:22.87	BZ	0.039	1.8	
PTEO	e P	05:59:20.72	BZ			
MESJ	e P	05:59:22.04	BZ			
PLOUS	e P	05:59:22.53	BZ			
	IAMB	05:59:24.86	BZ	0.030	1.8	
EVO	e P	05:59:24.54	BZ			
	IAMB	05:59:25.29	BZ	0.018	1.6	
MOE	e P	05:59:25.18	BZ			
	IAMB	05:59:29.26	BZ	0.028	1.5	
PESTR	e P	05:59:25.42	BZ			
	IAMB	05:59:28.87	BZ	0.018	1.6	
PARRA	e P	05:59:25.61	BZ			
	IAMB	05:59:30.12	BZ	0.021	1.9	
PMTG	e P	05:59:26.04	BZ			
	IAMB	05:59:49.77	BZ	0.015	2.4	
PMRV	e P	05:59:27.27	BZ			
	IAMB	05:59:28.58	BZ	0.021	1.4	

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PGAV	e Pg	06:51:36.21	HZ			
	e Sg	06:51:40.61	HE			
	IAML	06:51:41.20	HZ	0.004	0.2	
PCAB	e Sg	06:51:49.32	EE			
	IAML	06:51:49.77	EZ	0.005	0.2	
POLO	e S	06:51:58.36	HN			
PBRG	e Sn	06:52:04.36	HN			
	e Sg	06:52:10.60	HN			
	IAML	06:52:13.05	HZ	0.001	0.3	

**19-Jan Ho 08:14:56.7 ML 2.0**  
**Lat 42.232°N Lon 08.343°W Prof 19**  
**Região: NW Melgaço**  
**AxMax 3.6 AxMin 1.8 Ang 81 ErrZ 4**

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PGAV	e Pg	08:15:02.75	HZ			
	e Sg	08:15:07.15	HN			
	IAML	08:15:07.54	HZ	0.062	0.3	
PCAB	e Pg	08:15:07.65	EZ			
	e Sg	08:15:15.66	EN			
	IAML	08:15:16.39	EZ	0.088	0.2	
POLO	e P	08:15:13.57	HZ			
	e S	08:15:24.92	HN			
	IAML	08:15:27.14	HZ	0.016	0.5	
PVRL	e S	08:15:29.88	EE			
PBRG	e Sg	08:15:36.46	HN			
	IAML	08:15:38.64	HZ	0.014	0.1	
MVO	e Pn	08:15:20.60	HZ			
	e Pg	08:15:26.40	HZ			
	e Sg	08:15:42.02	HE			
	IAML	08:15:48.29	HZ	0.012	0.7	
PVIS	e Pn	08:15:22.18	HZ			
	e Sg	08:15:44.49	HN			
PCAS	e Sg	08:16:03.99	HE			
PSARD	e Pn	08:15:35.81	HZ			
	e Sg	08:16:17.11	HN			
	IAML	08:16:22.43	HZ	0.009	0.5	
PMRV	e Sg	08:16:25.66	HN			
PESTR	e Sn	08:16:25.10	HN			
	e Sg	08:16:40.79	HN			
PARRA	e Sn	08:16:22.62	HE			
	e Sg	08:16:40.90	HE			

MOE	e Sn	08:16:29.87	HN
PBAR	e Pn	08:15:57.90	HZ
PVAQ	e Pn	08:16:08.21	HZ

**19-Jan Ho 09:06:47.5 ML 0.9**  
**Lat 37.349°N Lon 09.101°W Prof 30**  
**Região: W Aljezur**  
**AxMax 8.8 AxMin 4.3 Ang 97 ErrZ 3**

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PFVI	e Pg	09:06:54.40	HZ			
	e Sg	09:07:00.05	HN			
PTEO	e Pg	09:06:55.18	HZ			
	e Sg	09:07:01.34	HN			
	IAML	09:07:02.16	HZ	0.004	0.1	
MORF	i Pg	09:06:55.35	HZ			
	e Sg	09:07:01.27	HE			
	IAML	09:07:01.99	HZ	0.013	0.1	
PCVE	e P	09:07:02.59	HZ			
	e S	09:07:13.91	HN			
PVAQ	e P	09:07:06.37	HZ			
	e S	09:07:19.26	H1			

**19-Jan Ho 14:29:43.3 Distante (NEIC) Mw 5.3**  
**Lat 03.480°S Lon 130.950°E Prof 10**  
**Região: Seram, Indonesia**

Est	Fase	P h:m:s	Dur	Co	Amp	Per
MVO	e PKPdf	14:48:49.25	BZ			
POLO	e PKPdf	14:48:49.34	BZ			
PCBR	e PKPdf	14:48:50.77	SZ			
PMRV	e PKPdf	14:48:51.03	BZ			
PBAR	e PKPdf	14:48:51.69	BZ			
PARRA	e PKPdf	14:48:53.41	BZ			

**19-Jan Ho 16:52:58.8 ML 1.1**  
**Lat 42.228°N Lon 08.357°W Prof 20**  
**Região: NW Melgaço**  
**AxMax 2.8 AxMin 1.6 Ang 73 ErrZ 3**

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PGAV	e Pg	16:53:04.75	HZ			
	e Sg	16:53:09.05	HN			
	IAML	16:53:09.63	HZ	0.007	0.2	
PCAB	e Pg	16:53:09.38	EZ			
	e Sg	16:53:17.86	EN			
POLO	e S	16:53:28.68	HE			
	IAML	16:53:29.15	HZ	0.001	0.2	
PBRG	e Pn	16:53:19.35	HZ			
	e Sg	16:53:38.51	HN			

**19-Jan Ho 17:29:53.2 ML 1.6**  
**Lat 36.561°N Lon 09.776°W Prof 14**  
**Região: SW Cabo S.Vicente**  
**AxMax 6.4 AxMin 6.3 Ang 65 ErrZ 6**

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PFVI	e P	17:30:10.42	HZ			
	e S	17:30:22.96	HE			
	IAML	17:30:23.60	HZ	0.006	0.5	
MORF	e P	17:30:13.52	HZ			
	e S	17:30:29.42	HE			
	IAML	17:30:29.86	HZ	0.007	0.2	
PTEO	e P	17:30:15.33	HZ			
	e S	17:30:31.44	HN			
PBDV	e P	17:30:20.09	HZ			
	e S	17:30:39.78	HN			
PCVE	e P	17:30:22.09	HZ			
	e S	17:30:43.52	HE			
MESJ	e P	17:30:22.00	HZ			
	e S	17:30:43.10	HN			
PLOUS	e P	17:30:22.07	HZ			
	e S	17:30:44.01	HE			
	IAML	17:30:48.35	HZ	0.002	0.1	
PVAQ	e P	17:30:23.06	HZ			
	e S	17:30:44.94	H2			
	IAML	17:30:47.42	HZ	0.003	0.1	
PAZOI	e P	17:30:23.37	HZ			
	e S	17:30:45.73	HE			
MOE	e P	17:30:29.33	HZ			
	e S	17:30:54.83	HE			
	IAML	17:30:57.72	HZ	0.002	0.3	



PMAFR	IAML	19:25:11.72	HZ	0.003	0.2	19-Jan	Ho	22:32:06.5	ML 1.5					
	e Pn	19:24:25.75	HZ				Lat	40.462°N	Lon	08.543°W	Prof	11		
	e Sn	19:24:59.92	HN				Região: SW Oliveira do Bairro					Rms	0.4	
PMRV	e Pn	19:24:28.25	HZ			Est	AxMax	5.3	AxMin	2.0	Ang	98	ErrZ	9
	e Sn	19:25:04.89	HE				Fase	P h:m:s		Dur	Co	Amp	Per	
	e Sg	19:25:18.12	HE				COI	e Pg	22:32:12.23		HZ			
PSARD	IAML	19:25:25.22	HZ	0.003	0.5	PCAS	e Sg	22:32:16.81		HE				
	e Pn	19:24:31.63	HZ				IAML	22:32:17.35		HZ	0.053	0.2		
	e Sn	19:25:07.77	HN				e Pg	22:32:14.16		HZ				
PSBE	e Sg	19:25:24.84	HE			PVIS	e Sg	22:32:20.18		HE				
	IAML	19:25:28.45	HZ	0.006	0.2		IAML	22:32:20.83		HZ	0.026	0.1		
	e Sn	19:25:10.05	HN				e Pg	22:32:16.96		HZ				
						PTO	e Sg	22:32:24.79		HN				
							MTE	e Sg	22:32:27.99		EE			
							e P	22:32:20.50		HZ				
						PSARD	e S	22:32:30.99		HE				
							IAML	22:32:31.63		HZ	0.022	0.4		
							e P	22:32:22.57		HZ				
						PSBE	e S	22:32:33.69		HE				
							IAML	22:32:35.84		HZ	0.020	0.2		
							e P	22:32:23.43		HZ				
						PCBR	e S	22:32:37.02		HN				
							e P	22:32:24.45		EZ				
							e S	22:32:38.46		EE				
						PVRL	IAML	22:32:38.95		EZ	0.003	0.2		
							e P	22:32:24.92		EZ				
							e S	22:32:39.21		EE				
						POLO	IAML	22:32:40.46		EZ	0.007	0.1		
							e P	22:32:25.64		HZ				
							e S	22:32:40.18		HE				
						PCAB	IAML	22:32:41.84		HZ	0.001	0.1		
							e Pn	22:32:29.44		EZ				
							e Sg	22:32:46.71		EN				
						MVO	IAML	22:32:48.62		EZ	0.014	0.1		
							e Pn	22:32:30.24		HZ				
							e Sg	22:32:48.01		HN				
						PMRV	IAML	22:32:49.37		HZ	0.006	0.2		
							e Pn	22:32:30.21		HZ				
							e Sg	22:32:47.29		HN				
						PMTG	IAML	22:32:49.62		HZ	0.003	0.1		
							e Pn	22:32:30.83		HZ				
							e Sg	22:32:48.69		HN				
						PGAV	IAML	22:32:51.31		HZ	0.003	0.1		
							e Pn	22:32:32.72		HZ				
							e Sg	22:32:52.59		HE				
						PMAFR	IAML	22:32:54.01		HZ	0.007	0.1		
							e Pn	22:32:35.13		HZ				
							e Sg	22:32:56.57		HN				
						PARRA	e Pn	22:32:34.54		HZ				
							e Sn	22:32:51.10		HN				
							e Sg	22:32:56.23		HN				
						PESTR	IAML	22:32:59.44		HZ	0.002	0.4		
							e Pn	22:32:37.98		HZ				
							e Sn	22:32:53.87		HN				
						PBRG	e Sg	22:32:58.81		HE				
							IAML	22:33:03.85		HZ	0.003	0.4		
							e Sg	22:33:05.62		HE				
						MOE	IAML	22:33:11.38		HZ	0.002	0.6		
							e Pn	22:32:36.09		HZ				
							e Sn	22:32:58.00		HN				
						EVO	e Sg	22:33:05.78		HN				
							IAML	22:33:07.86		HZ	0.004	0.3		
							e Sg	22:33:06.47		HN				
						PLOUS	e Sn	22:33:10.60		HE				
							IAML	22:33:23.70		HZ	0.002	0.4		
							e Pn	22:32:53.40		HZ				
						PBAR	e Sn	22:33:13.96		HE				
							e Sg	22:33:25.39		HN				
							IAML	22:33:28.97		HZ	0.001	0.3		
						MESJ	e Sn	22:33:15.58		HN				
							e Sg	22:33:28.52		HE				
							e Sn	22:33:25.77		H2				
						PBDV	e Sg	22:33:42.67		H1				
							e Sn	22:33:30.70		HE				
							e Sg	22:33:46.59		HE				



<b>19-Jan</b>	<b>Ho</b>	<b>23:22:09.5</b>			<b>ML 0.5</b>
	<b>Lat</b>	<b>42.231°N</b>	<b>Lon</b>	<b>08.348°W</b>	<b>Prof 14*</b>
	<b>Região: NW Melgaço</b>				<b>Rms 0.2</b>
	<b>AxMax</b>	<b>2.2</b>	<b>AxMin</b>	<b>1.5</b>	<b>Ang 82 ErrZ 0</b>
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp Per</i>
PGAV	e Pg	23:22:15.14		HZ	
	e Sg	23:22:18.98		HN	
	IAML	23:22:19.93		HZ	0.003 0.3
PCAB	e Pg	23:22:20.24		EZ	
	e Sg	23:22:28.25		EE	
	IAML	23:22:28.62		EZ	0.003 0.2
POLO	e S	23:22:39.00		HN	
PBRG	e Sg	23:22:49.16		HN	

<b>19-Jan</b>	<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp Per</i>
	PFVI	e P	23:26:21.69		HZ	
		e S	23:26:36.43		HE	
	PBDV	e P	23:26:21.82		HZ	
		e S	23:26:32.33		HE	
	PVAQ	e P	23:26:24.57		HZ	
		e S	23:26:36.72		H2	

<b>20-Jan</b>	<b>Ho</b>	<b>00:01:05.2</b>			<b>ML 1.6</b>
	<b>Lat</b>	<b>35.529°N</b>	<b>Lon</b>	<b>06.875°W</b>	<b>Prof 26</b>
	<b>Região: Costa de Marrocos</b>				<b>Rms 0.4</b>
	<b>AxMax</b>	<b>4.0</b>	<b>AxMin</b>	<b>2.8</b>	<b>Ang 50 ErrZ 9</b>
<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	d 00:01:34.30		HZ	
	e S	00:01:56.35		HE	
	IAML	00:01:57.61		HZ	0.001 0.2
PVAQ	e P	d 00:01:35.42		HZ	
	e S	00:01:57.89		H2	
	IAML	00:01:59.00		HZ	0.004 0.4
PMONC	e P	00:01:38.58		HZ	
	e S	00:02:03.69		H1	
	IAML	00:02:09.11		HZ	0.013 0.6
PFVI	e P	00:01:38.99		HZ	
	e S	00:02:04.36		HN	
MORF	e P	00:01:39.31		HZ	
	e S	00:02:06.61		HN	
	IAML	00:02:10.72		HZ	0.004 0.6
PCVE	e P	00:01:39.85		HZ	
	e S	00:02:05.53		HN	
	IAML	00:02:10.37		HZ	0.001 0.2
PTEO	e P	00:01:42.61		HZ	
	e S	00:02:10.39		HN	
MESJ	e P	00:01:43.27		HZ	
	e S	00:02:12.02		HE	
	IAML	00:02:16.24		HZ	0.003 0.3
PBEJ	e P	00:01:44.07		EZ	
	e S	00:02:12.67		EN	
PBAR	e P	00:01:44.41		HZ	
	e S	00:02:12.40		HE	
	IAML	00:02:14.04		HZ	0.001 0.4
PLOUS	e P	00:01:46.36		HZ	
	e S	00:02:17.73		HE	
	IAML	00:02:19.32		HZ	0.001 1.1
EVO	e P	00:01:51.23		HZ	
	e S	00:02:25.67		HE	
	IAML	00:02:37.92		HZ	0.002 0.1
MOE	e P	00:01:52.49		HZ	
	e S	00:02:28.11		HE	
	IAML	00:02:35.31		HZ	0.002 0.7
PESTR	e P	00:01:54.35		HZ	
	e S	00:02:30.18		HN	
PARRA	e P	00:01:54.87		HZ	
	e S	00:02:32.76		HE	
PMTG	e P	00:01:58.85		HZ	
	e S	00:02:39.51		HE	
	IAML	00:02:53.27		HZ	0.001 0.7
PMRV	e P	00:02:01.84		HZ	
	e S	00:02:42.25		HN	
	IAML	00:02:46.00		HZ	0.001 0.3
PMAFR	e P	00:02:02.46		HZ	
PSARD	e P	00:02:05.85		HZ	
	e S	00:02:50.88		HN	
	IAML	00:02:53.33		HZ	0.002 0.2

PCBR	e P	00:02:07.77		EZ	
	e S	00:02:53.85		EN	
	IAML	00:02:54.87		EZ	0.001 0.4
MVO	e P	00:02:25.89		HZ	

<b>20-Jan</b>	<b>Ho</b>	<b>01:04:06.5</b>			<b>ML 0.7</b>
	<b>Lat</b>	<b>37.223°N</b>	<b>Lon</b>	<b>07.477°W</b>	<b>Prof 3*</b>
	<b>Região: NW Castro Marim</b>				<b>Rms 0.3</b>
	<b>AxMax</b>	<b>4.0</b>	<b>AxMin</b>	<b>2.3</b>	<b>Ang 137 ErrZ 0</b>
<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	01:04:10.69		HZ	
	e Sg	01:04:14.68		H2	
	IAML	01:04:15.84		HZ	0.005 0.2
PBDV	e Pg	01:04:12.67		HZ	
	e Sg	01:04:18.64		HE	
PCVE	e Pg	01:04:17.65		HZ	
	e Sg	01:04:26.01		HN	
MESJ	e P	01:04:22.39		HZ	
	e S	01:04:34.12		HN	
	IAML	01:04:34.33		HZ	0.002 0.6
PBEJ	e P	01:04:22.61		EZ	
	e S	01:04:34.14		EN	
	IAML	01:04:36.97		EZ	0.002 0.5
MORF	e P	01:04:23.85		HZ	
	e S	01:04:36.96		HN	
	IAML	01:04:39.15		HZ	0.003 0.5
PBAR	e P	01:04:25.24		HZ	
	e S	01:04:39.13		HN	
	IAML	01:04:41.17		HZ	0.002 0.7
PTEO	e S	01:04:39.76		HN	
PFVI	e P	01:04:26.45		HZ	
	e S	01:04:40.76		HE	
PLOUS	e P	01:04:26.39		HZ	
	e S	01:04:41.10		HE	
MOE	e Sg	01:04:54.09		HE	
PESTR	e Sg	01:04:57.21		HE	
PARRA	e Sg	01:04:58.70		HE	
PMTG	e Sg	01:05:07.28		HN	

<b>20-Jan</b>	<b>Ho</b>	<b>01:20:52.1</b>			<b>ML 0.2</b>
	<b>Lat</b>	<b>37.320°N</b>	<b>Lon</b>	<b>08.638°W</b>	<b>Prof 10</b>
	<b>Região: W Monchique</b>				<b>Rms 0.4</b>
	<b>AxMax</b>	<b>3.9</b>	<b>AxMin</b>	<b>3.7</b>	<b>Ang 136 ErrZ 7</b>
<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	01:20:53.80		HZ	
	e Sg	01:20:55.64		HN	
	IAML	01:20:56.03		HZ	0.011 0.4
PTEO	e Pg	01:20:56.67		HZ	
	e Sg	01:21:00.35		HE	
PFVI	e Pg	01:20:56.70		HZ	
	e Sg	01:20:59.98		HN	
	IAML	01:21:00.98		HZ	0.005 0.5
PBDV	e Sg	01:21:10.58		HE	
PCVE	e Pg	01:21:02.69		HZ	
	e Sg	01:21:09.61		HE	
MESJ	e Pg	01:21:04.19		HZ	
	e Sg	01:21:11.66		HN	
PVAQ	e S	01:21:16.11		H2	

20-Jan	Ho	01:37:18.7	Distante (NEIC)		mb 4.8	
	Lat	34.210°N	Lon	51.790°E	Prof 10	
Região: Northern And Central Iran						
Est	Fase	P	h:m:s	Dur	Co	Amp Per
PBRG	e P		01:45:40.75		BZ	
MVO	e P		01:45:44.57		BZ	
PVRL	e P		01:45:48.17		SZ	
PCBR	e P		01:45:47.90		SZ	
PBAR	e P		01:45:48.21		BZ	
EVO	e P		01:45:56.15		BZ	
PMTG	e P		01:45:54.10		BZ	
PCVE	e P		01:45:56.40		BZ	
MOE	e P		01:45:56.41		BZ	

<b>20-Jan</b>	<b>Ho</b>	<b>03:09:06.8</b>				<b>ML 1.7</b>
	<b>Lat</b>	<b>35.421°N</b>	<b>Lon</b>	<b>03.593°W</b>	<b>Prof</b>	<b>8*</b>
	<b>Região: NE Al Hoceima (MARR)</b>				<b>Rms</b>	<b>0.5</b>
	<b>AxMax</b>	<b>4.0</b>	<b>AxMin</b>	<b>3.7</b>	<b>Ang</b>	<b>87</b>
					<b>ErrZ</b>	<b>0</b>
<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	03:10:05.78		HZ		
	e S	03:10:47.13		H1		
	IAML	03:10:51.75		HZ	0.002	0.5
PBAR	e P	03:10:05.43		HZ		
	e S	03:10:48.49		HN		
	IAML	03:11:09.46		HZ	0.001	0.6
PCVE	e S	03:10:55.93		HN		
MESJ	e P	03:10:12.77		HZ		
	e S	03:11:01.41		HE		
MORF	e S	03:11:03.51		HN		
PFVI	e S	03:11:04.52		HN		
PTEO	e S	03:11:07.16		HE		
PLOUS	e S	03:11:06.69		HE		
PESTR	e S	03:11:08.00		HE		
EVO	e P	03:10:17.07		HZ		
	e S	03:11:06.53		HN		
PARRA	e P	03:10:19.85		HZ		
	e S	03:11:11.17		HE		
MOE	e S	03:11:12.62		HN		
PMRV	e P	03:10:21.85		HZ		
PMTG	e S	03:11:20.05		HN		
PSARD	e P	03:10:29.18		HZ		
	e S	03:11:26.93		HN		

<b>20-Jan</b>	<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	c 03:52:38.40		HZ		
		e Sg	03:52:39.57		HN		
		IAML	03:52:39.83		HZ	0.004	0.5
	PVAQ	e Pg	03:52:40.66		HZ		
		e Sg	03:52:43.15		H2		
	PCVE	e Sg	03:52:47.71		HN		

<b>20-Jan</b>	<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	04:40:52.48		HZ		
		e S	04:41:12.53		HN		
	PARRA	e P	04:41:10.90		HZ		
		e S	04:41:44.42		HN		
	MORF	e S	04:41:17.05		HE		
	PTEO	e S	04:41:17.43		HE		
	PLOUS	e S	04:41:27.04		HN		
	PBDV	e S	04:41:32.27		HN		
	MOE	e S	04:41:34.96		HN		
	PVAQ	e S	04:41:36.11		H2		
	PMTG	e S	04:41:46.54		HN		
	PESTR	e S	04:41:52.10		HN		
	PBAR	e S	04:41:53.27		HN		
	PMRV	e S	04:42:02.75		HN		

<b>20-Jan</b>	<b>Ho</b>	<b>05:48:54.7</b>				<b>ML 0.8</b>
	<b>Lat</b>	<b>42.168°N</b>	<b>Lon</b>	<b>08.400°W</b>	<b>Prof</b>	<b>16</b>
	<b>Região: NW Melgaço</b>				<b>Rms</b>	<b>0.3</b>
	<b>AxMax</b>	<b>17.0</b>	<b>AxMin</b>	<b>3.8</b>	<b>Ang</b>	<b>46</b>
					<b>ErrZ</b>	<b>12</b>
<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 Pg	05:48:59.45		HZ		
	e Sg	05:49:03.84		HE		
	IAML	05:49:04.24		HZ	0.004	0.3
PCAB	e Sg	05:49:12.29		EN		
POLO	e S	05:49:23.35		HN		
PBRG	e P	05:49:17.47		HZ		
	e S	05:49:33.53		HN		
	IAML	05:49:36.22		HZ	0.001	0.8

<b>20-Jan</b>	<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 Pg	c 06:53:13.42		HZ		
		e Sg	06:53:17.85		HN		
		IAML	06:53:18.44		HZ	0.003	0.2
	POLO	e P	06:53:24.90		HZ		
		e S	06:53:37.33		HN		
		IAML	06:53:37.86		HZ	0.001	0.6
	PCAB	e Sg	06:53:26.25		EN		

<b>20-Jan</b>	<b>Ho</b>	<b>06:57:45.6</b>				<b>ML 0.5</b>
	<b>Lat</b>	<b>37.357°N</b>	<b>Lon</b>	<b>08.455°W</b>	<b>Prof</b>	<b>2*</b>
	<b>Região: NE Monchique</b>				<b>Rms</b>	<b>0.5</b>
	<b>AxMax</b>	<b>3.7</b>	<b>AxMin</b>	<b>2.4</b>	<b>Ang</b>	<b>140</b>
					<b>ErrZ</b>	<b>0</b>
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp</i>	<i>Per</i>
PMONC	e Pg	06:57:47.39		HZ		
	e Sg	06:57:49.14		H1		
	IAML	06:57:49.36		HZ	0.029	0.1
MORF	e Pg	06:57:48.55		HZ		
	e Sg	06:57:51.38		HE		
	IAML	06:57:51.61		HZ	0.017	0.1
PTEO	e Pg	06:57:50.81		HZ		
	e Sg	06:57:54.70		HN		
PFVI	e Pg	06:57:51.94		HZ		
	e Sg	06:57:56.58		HE		
	IAML	06:57:58.34		HZ	0.005	0.6
PCVE	e Pg	06:57:54.01		HZ		
	e Sg	06:57:59.36		HE		
	IAML	06:58:00.32		HZ	0.001	0.4
PBDV	e Sg	06:57:59.44		HE		
	IAML	06:58:00.74		HZ	0.001	0.2
MESJ	e Pg	06:57:55.59		HZ		
	e Sg	06:58:01.55		HE		
PVAQ	e Pg	06:57:56.39		HZ		
	e Sg	06:58:03.99		H1		
	IAML	06:58:05.75		HZ	0.001	0.1
PLOUS	e Sg	06:58:06.92		HE		
PBAR	e S	06:58:29.49		HN		

20-Jan	Ho	06:52:20.4	Distante (NEIC)		Mw	5.9
	Lat	58.890°S	Lon	23.920°W	Prof	8
	Região: South Sandwich Islands Region					
Est	Fase	P h:m:s	Dur	Co	Amp	Per
PMAR	e pP	07:05:31.69		BZ		
PMOZ	e LR	07:34:53.48		LZ		
	IAMs_20	07:40:20.43		LZ	0.895	18
PFVI	e pP	07:05:54.50		BZ		
MORF	e pP	07:05:53.68		BZ		
PBDV	e pP	07:05:53.77		BZ		
PVAQ	e LR	07:38:31.56		LZ		
	IAMs_20	07:44:57.58		LZ	1.056	20
PCVE	e pP	07:05:56.20		BZ		
MESJ	e pP	07:05:56.76		BZ		
PLOUS	e pP	07:05:57.66		BZ		
PBAR	e pP	07:06:00.21		BZ		
PARRA	e pP	07:05:59.89		BZ		
PESTR	e pP	07:06:02.58		BZ		
PSBE	e Pdif	07:06:01.41		BZ		
PMRV	e LR	07:38:11.92		LZ		
	IAMs_20	07:47:04.12		LZ	1.264	20
MTE	e LR	07:39:27.79		LZ		
	IAMs_20	07:47:10.66		LZ	0.825	20
MVO	e LR	07:39:55.10		LZ		
	IAMs_20	07:48:16.14		LZ	1.090	18
PGAV	e LR	07:39:58.18		LZ		
	IAMs_20	07:46:06.55		LZ	1.157	18

20-Jan	Ho	09:19:58.1	Distante (NEIC)		Mw	4.4
	Lat	38.810°N	Lon	16.060°E	Prof	10
	Região: Southern Italy					
Est	Fase	P h:m:s	Dur	Co	Amp	Per
PBRG	e P	09:24:03.33		BZ		
PBAR	e P	09:24:11.77		BZ		
	IAMB	09:24:30.02		BZ	0.022	1.5
PMRV	e P	09:24:11.17		BZ		
	IAMB	09:24:14.87		BZ	0.032	1.5
PBEJ	e P	09:24:24.25		SZ		
PARRA	e P	09:24:17.84		BZ		
	IAMB	09:24:26.46		BZ	0.015	1.7
PCVE	e P	09:24:21.07		BZ		
PCAS	e P	09:24:23.83		BZ		
	IAMB	09:24:38.76		BZ	0.033	1.4
PLOUS	e P	09:24:23.12		BZ		
	IAMB	09:25:03.29		BZ	0.032	1.6





<b>21-Jan</b>										IAmb	10:24:51.40	BZ	0.084	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>				PVRL	e P	10:24:52.35	SZ	
PGAV	e Pg	03:30:50.87		HZ						POLO	e P	10:24:52.70	BZ	
	e Sg	03:30:55.31		HE							IAmb	10:24:54.99	BZ	0.029 1.6
	IAML	03:30:56.33		HZ	0.006	0.2				PCAB	e P	10:24:52.74	SZ	
PCAB	e Sg	03:31:03.83		EE							IAmb	10:24:54.40	SZ	0.110 1.9
	IAML	03:31:05.23		EZ	0.006	0.1				PGAV	e P	10:24:53.33	BZ	
POLO	e S	03:31:13.47		HN						MTE	e P	10:24:54.21	BZ	
PBRG	e Sg	03:31:24.75		HN							IAmb	10:24:55.33	BZ	0.103 1.5
	IAML	03:31:26.01		HZ	0.001	0.1				PVIS	e P	10:24:54.40	BZ	
<b>21-Jan</b>										PCBR	e P	10:24:54.74	SZ	
<b>Ho</b>	<b>05:05:19.5</b>						<b>ML</b>	<b>2.3</b>			IAmb	10:24:55.85	SZ	0.073 1.4
<b>Lat</b>	<b>42.952°N</b>		<b>Lon</b>	<b>05.579°W</b>			<b>Prof</b>	<b>19</b>		PBAR	e P	10:24:56.61	BZ	
<b>Região:</b>	<b>N Léon (ESP)</b>						<b>Rms</b>	<b>0.5</b>			IAmb	10:24:58.63	BZ	0.119 1.6
<b>AxMax</b>	<b>2.2</b>	<b>AxMin</b>	<b>1.6</b>	<b>Ang</b>	<b>123</b>	<b>ErrZ</b>	<b>3</b>			PESTR	e P	10:24:57.09	BZ	
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp</i>	<i>Per</i>					IAmb	10:24:58.32	BZ	0.038 1.3
PBRG	e Pn	05:05:43.35		HZ						PSARD	e P	10:24:57.73	BZ	
	e Sg	05:06:04.31		HN							IAmb	10:24:59.06	BZ	0.157 1.4
	IAML	05:06:07.12		HZ	0.022	0.1				PCAS	e P	10:24:57.80	BZ	
MVO	e P	05:05:56.95		HZ						PARRA	e P	10:24:58.51	BZ	
	e Sn	05:06:17.23		HE							IAmb	10:25:00.62	BZ	0.062 1.8
	e Sg	05:06:23.98		HN						PMTG	e P	10:24:58.72	BZ	
	IAML	05:06:30.86		HZ	0.017	0.5					IAmb	10:25:00.71	BZ	0.064 1.6
PCAB	e Sg	05:06:27.24		EE						EVO	e P	10:24:59.44	BZ	
	IAML	05:06:29.51		EZ	0.013	0.3					IAmb	10:25:01.45	BZ	0.071 1.6
PGAV	e Pn	05:05:54.03		HZ						PSBE	e P	10:25:00.33	BZ	
	e Sn	05:06:20.98		HE							IAmb	10:25:02.51	BZ	0.127 1.5
	e Sg	05:06:27.90		HN						MOE	e P	10:25:00.88	BZ	
	IAML	05:06:33.97		HZ	0.007	0.4					IAmb	10:25:02.64	BZ	0.068 1.9
POLO	e Pn	05:05:54.54		HZ						PVAQ	e P	10:25:00.87	BZ	
	e Sg	05:06:29.86		HE							IAmb	10:25:02.76	BZ	0.103 1.4
	IAML	05:06:36.25		HZ	0.004	0.4				PCVE	e P	10:25:01.40	BZ	
PVRL	e Sg	05:06:30.77		EE							IAmb	10:25:03.44	BZ	0.056 1.8
	IAML	05:06:35.28		EZ	0.015	0.3				MESJ	e P	10:25:01.81	BZ	
PVIS	e Sg	05:06:47.09		HE							IAmb	10:25:03.72	BZ	0.088 1.5
MTE	e Pn	05:06:05.41		HZ						PBDV	e P	10:25:02.05	BZ	
	e Sn	05:06:37.92		HN							IAmb	10:25:03.06	BZ	0.101 1.2
	e Sg	05:06:50.75		HE						PLOUS	e P	10:25:02.10	BZ	
	IAML	05:06:55.12		HZ	0.011	0.6					IAmb	10:25:02.86	BZ	0.099 0.8
PCBR	e Sn	05:06:49.89		EE						PMAFR	e P	10:25:02.80	BZ	
	e Sg	05:07:04.84		EE							IAmb	10:25:03.86	BZ	0.131 1.1
PCAS	e Pn	05:06:14.62		HZ						PAZOI	e P	10:25:04.22	BZ	
	e Sn	05:06:54.87		HN							IAmb	10:25:11.80	BZ	0.094 1.3
	e Sg	05:07:10.16		HE						PTEO	e P	10:25:04.56	BZ	
PSARD	e Sn	05:06:59.88		HE							IAmb	10:25:06.31	BZ	0.115 1.6
PESTR	e Pn	05:06:23.91		HZ						MORF	e P	10:25:04.71	BZ	
	e Sn	05:07:12.56		HE							IAmb	10:25:05.88	BZ	0.081 1.4
	e Sg	05:07:34.08		HE						PFVI	e P	10:25:05.26	BZ	
	IAML	05:07:41.57		HZ	0.004	0.6					IAmb	10:25:06.67	BZ	0.135 1.5
PMTG	e Sn	05:07:12.22		HN						<b>21-Jan</b>				
PARRA	e Pn	05:06:26.72		HZ						<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>
	e Sn	05:07:16.91		HN						PGAV	e S	14:28:01.77		HN
	e Sg	05:07:39.37		HE							IAML	14:28:02.08		HZ
	IAML	05:07:47.40		HZ	0.002	0.5				PCAB	e S	14:28:10.28		EE
MOE	e Sn	05:07:25.56		HN						POLO	e S	14:28:21.46		HE
	e Sg	05:07:50.91		HE						PVRL	e S	14:28:24.23		EE
	IAML	05:07:59.05		HZ	0.004	0.3				<b>21-Jan</b>				
PBAR	e Sn	05:07:24.95		HE						<b>Ho</b>	<b>14:53:27.3</b>			<b>ML</b>
	IAML	05:07:57.39		HZ	0.004	0.8				<b>Lat</b>	<b>37.784°N</b>		<b>Lon</b>	<b>04.644°W</b>
<b>21-Jan</b>										<b>Região:</b>	<b>SE Cordova (ESP)</b>			<b>Prof</b>
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp</i>	<i>Per</i>				<b>AxMax</b>	<b>1.6</b>	<b>AxMin</b>	<b>1.2</b>	<b>Ang</b>
PBDV	e P	06:02:01.22		HZ						<b>ErrZ</b>	<b>3</b>			
	e S	06:02:45.49		HN						<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>
PVAQ	e P	06:02:01.35		HZ						PBAR	e Pg	14:54:01.96		HZ
	e S	06:02:42.06		H2							e Sn	14:54:22.74		HN
EVO	e P	06:02:12.01		HZ							e Sg	14:54:27.53		HN
PARRA	e P	06:02:14.92		HZ							IAML	14:54:34.58		HZ
	e S	06:03:07.68		HE						PVAQ	e Pn	14:54:06.14		HZ
PBAR	e S	06:02:43.43		HN							e Sn	14:54:35.66		H2
<b>21-Jan</b>											e Sg	14:54:43.81		H1
<b>Ho</b>	<b>10:12:31.9</b>						<b>Mw</b>	<b>5.4</b>			IAML	14:54:54.87		HZ
<b>Lat</b>	<b>23.090°N</b>		<b>Lon</b>	<b>93.820°E</b>			<b>Prof</b>	<b>59</b>		PESTR	e Pg	14:54:14.30		HZ
<b>Região:</b>	<b>Myanmar-India</b>		<b>Border Region</b>								e Sg	14:54:47.84		HN
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp</i>	<i>Per</i>					IAML	14:54:51.32		HZ
PBRG	e P	10:24:47.79		BZ						PBDV	e Sg	14:54:49.35		HE
	IAMB	10:24:49.62		BZ	0.065	1.7					IAML	14:54:55.21		HZ
MVO	e P	10:24:50.36		BZ						PCVE	e Sn	14:54:41.93		HN
											e Sg	14:54:50.51		HN

MESJ	e Sg	14:54:54.29	HN			
	IAML	14:55:02.21	HZ	0.002	0.5	
PARRA	e Pg	14:54:18.17	HZ			
	e Sg	14:54:56.64	HE			
	IAML	14:55:00.25	HZ	0.001	0.2	
MOE	e Sn	14:54:49.67	HN			
	e Sg	14:55:02.37	HN			
	IAML	14:55:16.81	HZ	0.003	0.4	

#### 21-Jan

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PTEO	e P	15:43:29.02		HZ		
	e S	15:43:53.49		HE		
PVAQ	e P	15:43:39.17		HZ		
	e S	15:44:10.92		H2		
PFVI	e S	15:43:47.40		HN		
	IAML	15:43:48.10		HZ	0.002	0.2
PLOUS	e S	15:44:03.67		HE		
PCVE	e S	15:44:05.90		HE		
PARRA	e S	15:44:21.00		HN		

**21-Jan Ho 16:08:37.2 Distante (NEIC) Mw 6.3**  
**Lat 32.730°N Lon 132.040°E Prof 39**  
**Região: Shikoku, Japan**

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PBRG	e P	16:22:04.79		BZ		
	e PP	16:25:53.67		BZ		
PGAV	e P	16:22:05.83		BZ		
	e PP	16:26:03.23		BZ		
	e S	16:32:39.14		LE		
	e LR	16:56:54.48		LZ		
	IAMs_20	17:12:41.97		LZ	25.20	18
PCAB	e PP	16:26:01.88		SZ		
MVO	e P	16:22:07.14		BZ		
	e PP	16:26:09.19		BZ		
	e S	16:32:46.06		LN		
	e LR	16:56:40.80		LZ		
	IAMs_20	17:12:31.22		LZ	22.70	18
POLO	e P	16:22:08.02		BZ		
	e PP	16:26:05.99		BZ		
PTO	e P	16:22:10.49		SZ		
	e PP	16:26:15.55		SZ		
PVIS	e P	16:22:10.35		BZ		
	e PP	16:26:11.92		BZ		
MTE	e P	16:22:12.09		BZ		
	e PP	16:26:16.93		BZ		
	e S	16:32:44.12		LN		
	e LR	16:56:32.41		LZ		
	IAMs_20	17:10:20.08		LZ	19.44	22
PCBR	e PP	16:26:15.11		SZ		
COI	e P	16:22:14.92		BZ		
	e PP	16:26:21.46		BZ		
PCAS	e P	16:22:14.92		BZ		
	e PP	16:26:18.29		BZ		
PMRV	e S	16:32:48.10		LE		
	e LR	16:58:33.55		LZ		
	IAMs_20	17:11:50.03		LZ	28.64	22
PSARD	e P	16:22:14.92		BZ		
	e PP	16:26:19.66		BZ		
PSBE	e P	16:22:16.37		BZ		
	e PP	16:26:19.69		BZ		
PESTR	e P	16:22:16.37		BZ		
	e PP	16:26:22.40		BZ		
PMTG	e P	16:22:18.55		BZ		
	e PP	16:26:23.34		BZ		
PARRA	e P	16:22:17.64		BZ		
	e PP	16:26:27.90		BZ		
PBAR	e P	16:22:18.19		BZ		
	e PP	16:26:24.70		BZ		
EVO	e P	16:22:22.26		BZ		
	e PP	16:26:29.25		BZ		
MOE	e P	16:22:23.07		BZ		
	e PP	16:26:30.18		BZ		
PMAFR	e P	16:22:22.00		BZ		
	e PP	16:26:28.33		BZ		
GGNV	e P	16:22:21.58		BZ		
	e PP	16:26:29.72		BZ		
PAZOI	e PP	16:26:34.29		BZ		

PLOUS	e P	16:22:21.05	BZ			
	e PP	16:26:31.54	BZ			
MESJ	e P	16:22:21.58	BZ			
	e PP	16:26:32.44	BZ			
PCVE	e P	16:22:22.44	BZ			
	e PP	16:26:31.55	BZ			
PVAQ	e P	16:22:22.44	BZ			
	e PP	16:26:32.92	BZ			
	e S	16:32:58.16	L1			
	e LR	16:57:54.24	LZ			
	IAMs_20	17:14:09.37	LZ	22.00	18	
PBDV	e P	16:22:22.72	BZ			
	e PP	16:26:33.37	BZ			
PTEO	e P	16:22:23.70	BZ			
	e PP	16:26:36.11	BZ			
MORF	e P	16:22:26.94	BZ			
	e PP	16:26:38.39	BZ			
PFVI	e P	16:22:26.38	BZ			
	e PP	16:26:38.40	BZ			
PMPST	e -	16:27:24.42	BZ			
PMAR	i -	16:27:29.90	BZ			
PMOZ	i -	16:27:32.66	BZ			
	e S	16:33:35.92	LE			
	e LR	16:59:59.41	LZ			
	IAMs_20	17:18:43.93	LZ	10.29	20	
FUL	i -	16:27:29.88	EZ			

**21-Jan Ho 20:43:45.5 Distante (NEIC) Mw 5.3**  
**Lat 07.560°N Lon 126.540°E Prof 107**  
**Região: Mindanao, Philippines**

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PGAV	e PKP	21:02:14.89		BZ		
POLO	e PKP	21:02:15.63		BZ		
PVRL	e PKP	21:02:15.74		SZ		
PCBR	e PKP	21:02:16.79		SZ		
PMRV	e PKP	21:02:17.06		BZ		
PSARD	e PKP	21:02:19.52		BZ		
PESTR	e PKP	21:02:18.36		BZ		
PBAR	e PKP	21:02:18.79		BZ		
PARRA	e PKP	21:02:18.85		BZ		
EVO	e PKP	21:02:19.61		BZ		
MOE	e PKP	21:02:19.51		BZ		
PVAQ	e PKP	21:02:20.23		BZ		
MESJ	e PKP	21:02:20.38		BZ		
PCVE	e PKP	21:02:20.38		BZ		
PLOUS	e PKP	21:02:20.12		BZ		
PAZOI	e PKP	21:02:21.40		BZ		
MORF	e PKP	21:02:22.41		BZ		
PFVI	e PKP	21:02:22.85		BZ		

**21-Jan Ho 21:09:39.4 ML 0.6**  
**Lat 41.300°N Lon 07.774°W Prof 0**  
**Região: W Vila Real Rms 0.3**  
**AxMax 3.8 AxMin 3.1 Ang 49 ErrZ 9**

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PVRL	e Pg	21:09:39.96		EZ		
	e Sg	21:09:40.79		EN		
	IAML	21:09:41.01		EZ	0.049	0.1
POLO	i Pg	21:09:40.57		HZ		
	e Sg	21:09:41.89		HE		
	IAML	21:09:42.07		HZ	0.005	0.1
PCAB	e Sg	21:09:53.50		EE		
MVO	e Sg	21:09:57.75		HN		
PGAV	e P	21:09:53.56		HZ		
	e S	21:10:03.59		HE		
	IAML	21:10:04.89		HZ	0.003	0.6
PBRG	e S	21:10:08.96		HN		
PCAS	e S	21:10:23.16		HE		

**21-Jan Ho 21:26:36.0 Distante (NEIC) Mw 5.3**  
**Lat 26.770°N Lon 110.870°W Prof 10**  
**Região: Gulf of California**

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PMOZ	e LR	22:04:47.43		LZ		
	IAMs_20	22:11:42.29		LZ	0.464	20
PGAV	e LR	22:06:55.43		LZ		
	IAMs_20	22:14:12.02		LZ	2.095	18
POLO	e P	21:38:55.32		BZ		







<b>22-Jan</b>	<b>Ho</b>	<b>21:01:15.5</b>			<b>ML 1.4</b>
	<b>Lat</b>	<b>36.451°N</b>	<b>Lon</b>	<b>07.426°W</b>	<b>Prof 7</b>
	<b>Região: Golfo de Cádiz</b>				<b>Rms 0.5</b>
	<b>AxMax</b>	<b>7.0</b>	<b>AxMin</b>	<b>6.4</b>	<b>Ang 9 ErrZ 7</b>
<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	21:01:31.86		HZ	
	e S	21:01:43.90		HE	
	IAML	21:01:46.44		HZ	0.004 0.5
PVAQ	e P	21:01:32.93		HZ	
	e S	21:01:46.31		H2	
	IAML	21:01:50.14		HZ	0.004 0.9
PMONC	e S	21:01:55.45		H2	
	IAML	21:01:59.04		HZ	0.007 0.3
PCVE	e S	21:01:54.24		HN	
	IAML	21:01:58.63		HZ	0.003 0.6
MORF	e S	21:01:55.27		HN	
PFVI	e S	21:01:56.52		HN	
MESJ	e P	21:01:41.02		HZ	
	e S	21:02:00.52		HE	
	IAML	21:02:07.01		HZ	0.003 0.7
PBAR	e P	21:01:44.21		HZ	
	e S	21:02:06.73		HE	
PLOUS	e S	21:02:06.58		HE	
PARRA	e P	21:01:53.72		HZ	
	e S	21:02:22.48		HN	
	IAML	21:02:26.80		HZ	0.002 0.9
PESTR	e S	21:02:22.99		HN	
PMTG	e P	21:01:57.05		HZ	
	e S	21:02:28.99		HN	

<b>22-Jan</b>	<b>Ho</b>	<b>21:25:20.1</b>			<b>ML 1.1</b>
	<b>Lat</b>	<b>42.209°N</b>	<b>Lon</b>	<b>08.380°W</b>	<b>Prof 22*</b>
	<b>Região: NW Melgaço</b>				<b>Rms 0.4</b>
	<b>AxMax</b>	<b>3.0</b>	<b>AxMin</b>	<b>1.7</b>	<b>Ang 80 ErrZ 0</b>
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp Per</i>
PGAV	e Pg	21:25:25.95		HZ	
	e Sg	21:25:30.40		HN	
	IAML	21:25:30.69		HZ	0.009 0.3
PCAB	e Pg	21:25:31.05		EZ	
	e Sg	21:25:39.02		EE	
	IAML	21:25:39.60		EZ	0.010 0.3
POLO	e P	21:25:36.94		HZ	
	e S	21:25:48.08		HN	
	IAML	21:25:50.00		HZ	0.001 0.5
PVRL	e Sg	21:25:53.22		EE	
	IAML	21:25:53.36		EZ	0.002 0.1
PBRG	e Sg	21:26:00.40		HN	
	IAML	21:26:01.10		HZ	0.002 0.2
MVO	e Sg	21:26:05.36		HE	
PVIS	e Sg	21:26:07.84		HN	

<b>22-Jan</b>	<b>Ho</b>	<b>21:44:12.3</b>			<b>ML 0.4</b>
	<b>Lat</b>	<b>37.320°N</b>	<b>Lon</b>	<b>08.571°W</b>	<b>Prof 9</b>
	<b>Região: NW Monchique</b>				<b>Rms 0.3</b>
	<b>AxMax</b>	<b>2.4</b>	<b>AxMin</b>	<b>1.5</b>	<b>Ang 122 ErrZ 4</b>
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp Per</i>
PMONC	e Pg	21:44:13.78		HZ	
	e Sg	21:44:14.95		H1	
	IAML	21:44:16.28		HZ	0.013 0.7
MORF	e Pg	21:44:14.16		HZ	
	e Sg	21:44:15.92		HE	
	IAML	21:44:16.01		HZ	0.019 0.1
PTEO	e Pg	21:44:17.07		HZ	
	e Sg	21:44:21.16		HN	
PFVI	e Pg	21:44:17.60		HZ	
	e Sg	21:44:21.28		HN	
PBDV	e Pg	21:44:21.83		HZ	
	e Sg	21:44:28.01		HN	
PCVE	e Sg	21:44:28.76		HE	
MESJ	e Sg	21:44:31.54		HN	
PVAQ	e Pg	21:44:25.09		HZ	
	e Sg	21:44:34.74		H2	
PLOUS	e Sg	21:44:35.32		HE	
PARRA	e Sg	21:45:01.52		HN	

<b>22-Jan</b>	<b>Ho</b>	<b>21:44:12.3</b>			<b>ML 0.4</b>
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp Per</i>

PGAV	e Pg	22:53:46.02		HZ	
	e Sg	22:53:50.72		HN	
	IAML	22:53:52.03		HZ	0.001 0.1

<b>23-Jan</b>	<b>Ho</b>	<b>00:45:20.5</b>			<b>Distante (NEIC)</b>	<b>mb 4.7</b>
	<b>Lat</b>	<b>34.570°N</b>	<b>Lon</b>	<b>26.300°E</b>	<b>Prof 41</b>	
	<b>Região: Crete, Greece</b>					
<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	00:50:58.60		BZ		
MVO	e P	00:50:59.88		BZ		
PBAR	e P	00:50:58.53		BZ		
PMRV	e P	00:51:00.02		BZ		
	IAMB	00:51:19.09		BZ	0.021 1.7	
EVO	e P	00:51:04.77		BZ		
PMTG	e P	00:51:05.97		BZ		

23-Jan	Ho	01:58:56.6			ML 2.8	
	Lat	42.236°N	Lon	08.376°W	Prof 23	
	Região: NW Melgaço					Rms 0.3
	Sentido: III Monção (Viana do Castelo)					
	AxMax	2.3	AxMin	1.2	Ang 97	ErrZ 2
Est	Fase	P	h:m:s	Dur	Co	Amp Per
PGAV	e Pg		01:59:03.06		HZ	
	e Sg		01:59:07.40		HN	
	IAML		01:59:07.88		HZ	0.455 0.3
PCAB	e Pg		01:59:07.91		EZ	
	e Sg		01:59:15.88		EN	
	IAML		01:59:16.74		EZ	0.653 0.2
POLO	e P		01:59:13.36		HZ	
	e S		01:59:26.94		HE	
	IAML		01:59:27.48		HZ	0.126 0.4
PVRL	e P		01:59:14.95		EZ	
	e S		01:59:30.13		EN	
	IAML		01:59:30.63		EZ	0.223 0.5
PTO	e P		01:59:16.41		EZ	
	e S		01:59:30.53		EN	
	IAML		01:59:30.62		EZ	0.197 0.5
PBRG	e Pn		01:59:17.98		HZ	
	e Sg		01:59:36.80		HN	
	IAML		01:59:40.00		HZ	0.177 0.7
MVO	e Pn		01:59:20.59		HZ	
	e Sg		01:59:42.37		HE	
	IAML		01:59:48.68		HZ	0.110 0.4
PVIS	e Pn		01:59:21.34		HZ	
	e Sg		01:59:44.93		HN	
	MTE	e Pn		01:59:26.80		HZ
e Sn			01:59:49.96		HE	
e Sg			01:59:57.23		HN	
COI	IAML		02:00:00.84		HZ	0.059 0.5
	e Pg		01:59:32.78		HZ	
	e Sg		01:59:59.95		HE	
PCAS	IAML		02:00:04.36		HZ	0.064 0.6
	e Pn		01:59:31.93		HZ	
	e Sn		01:59:55.81		HE	
PCBR	e Sg		02:00:03.55		HE	
	IAML		02:00:08.91		HZ	0.073 0.5
	e Pn		01:59:34.68		EZ	
PSARD	e Sn		02:00:02.95		EN	
	e Sg		02:00:12.83		EN	
	IAML		02:00:24.24		EZ	0.047 0.5
PSBE	e Pn		01:59:37.42		HZ	
	e Sn		02:00:06.76		HE	
	e Sg		02:00:18.75		HE	
PMRV	IAML		02:00:22.68		HZ	0.068 0.5
	e Pn		01:59:38.51		HZ	
	e Sn		02:00:09.69		HN	
PMTG	e Sg		02:00:22.96		HE	
	IAML		02:00:29.43		HZ	0.024 0.4
	e Pn		01:59:40.37		HZ	
PMAFR	e Sn		02:00:11.99		HE	
	e Sg		02:00:27.98		HE	
	IAML		02:00:33.62		HZ	0.023 0.3
	e Pn		01:59:44.22		HZ	
	e Sn		02:00:17.24		HE	
	IAML		02:00:25.61		HZ	0.007 0.6
	e Sg		02:00:36.08		HN	
	e Pn		01:59:47.03		HZ	
	e Sn		02:00:22.18		HN	





MOE	IAML	13:14:13.28	HZ	0.009	0.3		e S	13:17:19.02	HE	
	e P	13:13:19.69	HZ			PARRA	e P	13:16:34.23	HZ	
	e S	13:14:12.24	HN				e S	13:17:18.98	HE	
PMTG	IAML	13:14:15.50	HZ	0.020	0.2		IAML	13:17:20.74	HZ	0.002 0.9
	e P	13:13:23.24	HZ			PMTG	e P	13:16:38.37	HZ	
	e S	13:14:18.47	HE				e S	13:17:26.20	HN	
PCBR	IAML	13:14:20.77	HZ	0.008	0.8	PCBR	e S	13:17:32.85	EE	
	e P	13:13:26.16	EZ			PSARD	e P	13:16:43.56	HZ	
	e S	13:14:22.24	EN				e S	13:17:35.01	HN	
PAZOI	IAML	13:14:24.72	EZ	0.006	0.3		IAML	13:17:38.92	HZ	0.004 0.2
	e P	13:13:26.35	HZ			MVO	e P	13:16:57.25	HZ	
	e S	13:14:24.02	HE				e S	13:17:59.14	HN	
PSARD	e P	13:13:28.06	HZ							
	e S	13:14:26.22	HN							
	IAML	13:14:31.67	HZ	0.026	0.2					
PMAFR	e P	13:13:31.08	HZ							
	e S	13:14:31.23	HN							
	IAML	13:14:37.96	HZ	0.019	0.3	Est	Fase	P h:m:s	Dur	Co
PSBE	e P	13:13:32.41	HZ			PVAQ	e P	16:32:45.66	HZ	
	e S	13:14:33.45	HE				e S	16:33:27.77	H2	
	IAML	13:14:54.11	HZ	0.010	0.6		IAML	16:33:33.19	HZ	0.008 0.8
MTE	e P	13:13:33.20	HZ			PBAR	e P	16:32:45.94	HZ	
	e S	13:14:35.39	HE				e S	16:33:29.20	HE	
	IAML	13:15:08.87	HZ	0.011	0.6		IAML	16:33:34.33	HZ	0.004 0.2
PCAS	e P	13:13:35.10	HZ			PBDV	e P	16:32:46.77	HZ	
	e S	13:14:38.34	HE				e S	16:33:30.41	HE	
	IAML	13:14:56.26	HZ	0.005	1.1		IAML	16:33:33.35	HZ	0.007 0.4
PVIS	e P	13:13:38.96	HZ			PCVE	e P	16:32:50.23	HZ	
	e S	13:14:44.59	HE				e S	16:33:36.40	HN	
	e P	13:13:39.50	HZ				IAML	16:33:44.48	HZ	0.004 0.6
MVO	e S	13:14:46.08	HE			PMONC	e P	16:32:53.26	HZ	
	IAML	13:15:30.24	HZ	0.007	0.6		e S	16:33:42.20	H1	
	e P	13:13:44.05	EZ				IAML	16:33:43.81	HZ	0.015 0.5
PVRL	e S	13:14:55.39	EE			MESJ	e P	16:32:53.46	HZ	
	IAML	13:14:58.09	EZ	0.011	0.2		e S	16:33:42.61	HN	
	e P	13:13:45.58	HZ				IAML	16:33:45.96	HZ	0.005 0.5
POLO	e S	13:14:57.08	HE			PFVI	e P	16:32:55.98	HZ	
	IAML	13:15:00.53	HZ	0.003	0.6		e S	16:33:45.19	HE	
	e P	13:13:45.95	HZ			PTEO	e P	16:32:57.11	HZ	
PBRG	e S	13:14:59.04	HE				e S	16:33:48.45	HN	
	IAML	13:15:59.69	HZ	0.004	0.6	PLOUS	e P	16:32:56.60	HZ	
	e P	13:13:51.32	EZ				e S	16:33:48.07	HN	
PCAB	e S	13:15:06.10	EE				IAML	16:34:00.22	HZ	0.003 0.4
	e P	13:13:55.44	HZ			PESTR	e P	16:32:57.64	HZ	
	e S	13:15:14.13	HE				e S	16:33:47.51	HN	
	IAML	13:15:18.18	HZ	0.005	0.8		IAML	16:34:17.66	HZ	0.003 0.5
						EVO	e P	16:32:57.27	HZ	
							e S	16:33:48.89	HN	
23-Jan	Ho	13:15:32.5					IAML	16:33:51.26	HZ	0.005 0.2
	Lat	35.635°N	Lon	04.542°W						
	Região:	Alboran					PARRA	e P	16:33:00.01	HZ
	AxMax	4.4	AxMin	3.5	Ang 101	ErrZ	7			
Est	Fase	P h:m:s	Dur	Co	Amp	Per				
PVAQ	e P	13:16:18.66	HZ				IAML	16:33:55.30	HZ	0.003 0.4
	e S	13:16:53.00	H2			MOE	e P	16:33:00.53	HZ	
	IAML	13:16:53.70	HZ	0.003	0.2		e S	16:33:54.37	HN	
PBDV	e P	13:16:19.65	HZ				IAML	16:34:11.64	HZ	0.005 0.4
	e S	13:16:54.48	HE			PMTG	e P	16:33:04.15	HZ	
	e P	13:16:20.79	HZ				e S	16:33:59.88	HE	
PBAR	e P	13:16:20.79	HZ				IAML	16:34:03.97	HZ	0.003 0.5
	e S	13:16:56.09	HN			PCBR	e P	16:33:07.23	EZ	
	IAML	13:16:56.42	HZ	0.004	0.2		e S	16:34:05.82	EE	
PCVE	e P	13:16:23.31	HZ				IAML	16:34:20.04	EZ	0.003 0.5
	e S	13:17:01.66	HE			PSARD	e P	16:33:08.99	HZ	
	e P	13:16:25.98	HZ				e S	16:34:07.81	HN	
PMONC	e S	13:17:05.51	H1				IAML	16:34:12.48	HZ	0.007 0.5
	e P	13:16:26.63	HZ			PMAFR	e P	16:33:11.97	HZ	
	e S	13:17:06.80	HN				e S	16:34:15.26	HE	
MESJ	IAML	13:17:09.98	HZ	0.002	0.6		IAML	16:34:44.35	HZ	0.012 0.2
	e P	13:16:27.01	HZ			PSBE	e P	16:33:13.06	HZ	
	e S	13:17:07.76	HN				e S	16:34:17.35	HN	
PLOUS	e P	13:16:29.91	HZ			MTE	e P	16:33:13.88	HZ	
	e S	13:17:12.05	HE			PCAS	e P	16:33:16.35	HZ	
	e P	13:16:31.52	HZ				e S	16:34:21.43	HE	
EVO	e S	13:17:14.20	HN			PVIS	e P	16:33:19.78	HZ	
	IAML	13:17:15.19	HZ	0.004	0.1		e S	16:34:27.61	HN	
	e P	13:16:32.24	HZ			MVO	e P	16:33:20.80	HZ	
PESTR	e S	13:17:14.95	HE			PVRL	e P	16:33:25.06	EZ	
	IAML	13:17:15.08	HZ	0.002	0.4		e S	16:34:36.58	EN	
	e P	13:16:34.06	HZ				IAML	16:34:53.12	EZ	0.004 0.4





PBAR	e Pn	02:43:23.52	HZ					PBDV	e P	07:12:54.74	HZ				
	e Sn	02:43:41.22	HE						e S	07:13:52.12	HN				
	e Sg	02:43:46.76	HE						IAML	07:13:58.74	HZ	0.035	0.4		
	IAML	02:43:50.42	HZ	0.002	0.7			PVAQ	e P	07:12:54.61	HZ				
PARRA	e Pn	02:43:33.71	HZ						e S	07:13:50.91	H2				
	e Sn	02:43:58.28	HE						IAML	07:13:53.09	HZ	0.070	0.6		
<hr/>															
24-Jan	Ho	02:52:20.8						PCVE	e P	07:12:59.55	HZ				
	Lat	42.132°N	Lon	07.504°W					e S	07:14:00.93	HN				
	Região:	SE Ourense (ESP)						PFVI	e P	07:13:00.16	HZ				
									e S	07:14:01.36	HN				
	AxMax	3.0	AxMin	2.1	Ang	80	ErrZ	0	MORF	e P	07:13:00.68	HZ			
Est	Fase	P h:m:s	Dur	Co			Amp	Per		e S	07:14:02.14	HE			
PCAB	e Pg	02:52:31.47		EZ					PBAR	e P	07:13:00.52	HZ			
	e Sg	02:52:39.22		EE						e S	07:14:00.86	HE			
	IAML	02:52:43.49		EZ	0.008	0.3			MESJ	e P	07:13:03.14	HZ			
PGAV	e Pg	02:52:32.09		HZ						e S	07:14:05.91	HN			
	e Sg	02:52:40.15		HN					PTEO	e P	07:13:03.85	HZ			
	IAML	02:52:40.63		HZ	0.002	0.2				e S	07:14:06.81	HN			
PBRG	e P	02:52:30.39		HZ					PLOUS	e P	07:13:06.54	HZ			
	e S	02:52:41.32		HN						e S	07:14:12.45	HE			
	IAML	02:52:42.01		HZ	0.001	0.1			EVO	e P	07:13:09.61	HZ			
POLO	e P	02:52:35.20		HZ						e S	07:14:17.37	HN			
	e S	02:52:45.99		HE					PESTR	e P	07:13:11.79	HZ			
	IAML	02:52:48.60		HZ	0.001	0.4				e S	07:14:22.06	HE			
PVRL	e P	02:52:37.19		EZ					MOE	e P	07:13:11.35	HZ			
	e S	02:52:48.99		EE						e S	07:14:22.00	HN			
	IAML	02:52:49.64		EZ	0.003	0.3			PARRA	e P	07:13:13.04	HZ			
MVO	e P	02:52:40.54		HZ						e S	07:14:23.60	HN			
	e S	02:52:53.23		HN					PAZOI	e P	07:13:16.93	HZ			
	IAML	02:52:56.14		HZ	0.002	0.4			PMTG	e P	07:13:16.88	HZ			
PVIS	e Sg	02:53:06.33		HE						e S	07:14:30.70	HE			
<hr/>															
24-Jan	Ho	03:00:34.9						PMRV	e P	07:13:17.36	HZ				
	Lat	42.238°N	Lon	08.365°W					e S	07:14:31.32	HE				
	Região:	NW Melgaço							PMAFR	e P	07:13:22.18	HZ			
										e S	07:14:40.96	HN			
	AxMax	3.9	AxMin	2.0	Ang	75	ErrZ	4	PCBR	e P	07:13:22.95	EZ			
Est	Fase	P h:m:s	Dur	Co			Amp	Per		e S	07:14:40.06	EE			
PGAV	e Pg	03:00:41.07		HZ					PSARD	e P	07:13:23.09	HZ			
	e Sg	03:00:45.38		HN						e S	07:14:41.02	HN			
	IAML	03:00:45.89		HZ	0.003	0.3			PSBE	e P	07:13:25.90	HZ			
PCAB	e Pg	03:00:46.24		EZ					PCAS	e P	07:13:30.64	HZ			
	e Sg	03:00:53.91		EN						e S	07:14:54.80	HN			
	IAML	03:00:55.15		EZ	0.003	0.1			MTE	e P	07:13:30.83	HZ			
POLO	e P	03:00:52.21		HZ						e S	07:14:55.29	HE			
	e S	03:01:05.13		HE					COI	e P	07:13:31.92	HZ			
PBRG	e Sg	03:01:15.22		HN					PVIS	e P	07:13:35.38	HZ			
	IAML	03:01:17.87		HZ	0.002	0.8				e S	07:15:02.91	HE			
MVO	e Sg	03:01:21.30		HN					MVO	e P	07:13:38.45	HZ			
<hr/>															
24-Jan	Ho	06:09:22.0							e S	07:15:09.69	HE				
	Lat	53.206°N	Lon	166.748°W					PVRL	e P	07:13:42.68	EZ			
	Região:	Fox Islands, Aleutian Islands								e S	07:15:14.59	EN			
Est	Fase	P h:m:s	Dur	Co			Amp	Per	POLO	e P	07:13:44.18	HZ			
PCAB	e P	06:21:46.46		SZ						e S	07:15:17.59	HE			
	IAMB	06:21:49.35		SZ	0.018	1.6			PTO	e P	07:13:44.25	EZ			
PBRG	e P	06:21:46.84		BZ					PBRG	e P	07:13:46.59	HZ			
POLO	e P	06:21:48.64		BZ					PCAB	e P	07:13:49.28	EZ			
PTO	e P	06:21:49.22		SZ						e S	07:15:24.08	EN			
PVRL	e P	06:21:48.98		SZ					PGAV	e P	07:13:53.40	HZ			
MVO	e P	06:21:49.93		BZ						e S	07:15:32.36	HN			
PVIS	e P	06:21:51.52		BZ					<hr/>						
MTE	e P	06:21:51.12		BZ					24-Jan	Ho	13:16:23.4				
PCAS	e P	06:21:55.54		BZ						Lat	18.457°N	Lon	73.338°W		
	IAMB	06:22:05.50		BZ	0.026	1.3				Região:	Haiti Region				
PSBE	e P	06:21:57.44		BZ					Est	Fase	P h:m:s	Dur	Co	Amp	Per
	IAMB	06:21:57.91		BZ	0.043	2.2			PMOZ	e LR	14:30:46.20		LZ		
PSARD	e P	06:21:57.82		BZ						IAMs_20	14:33:06.21		LZ	0.539	22
PARRA	e P	06:22:01.83		BZ					PTEO	e P	13:26:26.48		BZ		
MOE	e P	06:22:02.67		BZ						IAMB	13:26:30.60		BZ	0.133	1.5
PBAR	e P	06:22:03.55		BZ					MORF	e P	13:26:27.98		BZ		
PTEO	e P	06:22:06.13		BZ						IAMB	13:26:31.89		BZ	0.132	1.7
PCVE	e P	06:22:06.77		BZ					PTO	e P	13:26:26.99		SZ		
<hr/>															
24-Jan	Ho	07:11:39.5								IAMB	13:26:30.99		SZ	0.102	1.2
	Lat	33.113°N	Lon	04.165°W					PCAS	e P	13:26:27.07		BZ		
	Região:	SE Fez (Marr)								IAMB	13:26:31.68		BZ	0.123	1.3
	AxMax	7.8	AxMin	6.4	Ang	174	ErrZ	11	PLOUS	e P	13:26:27.54		BZ		
Est	Fase	P h:m:s	Dur	Co			Amp	Per		IAMB	13:26:31.90		BZ	0.125	1.4
									COI	e P	13:26:28.37		BZ		
										IAMB	13:26:32.73		BZ	0.162	1.4

MOE	e	P	13:26:28.05	BZ				IAmb	14:16:51.41	BZ	0.052	1.3	
		IAmb	13:26:32.30	BZ	0.129	1.4		PCVE	e	P	14:16:47.82	BZ	
PMTG	e	P	13:26:27.93	BZ					IAmb	14:16:52.49	BZ	0.063	1.3
		IAmb	13:26:32.89	BZ	0.098	1.5		EVO	e	P	14:16:47.48	BZ	
MESJ	e	P	13:26:28.84	BZ					IAmb	14:16:52.09	BZ	0.070	1.2
		IAmb	13:26:34.08	BZ	0.154	1.2		PCAB	e	P	14:16:47.39	SZ	
PGAV	e	P	13:26:28.52	BZ					IAmb	14:16:51.81	SZ	0.049	1.1
		IAmb	13:26:33.76	BZ	0.169	1.2		PBDV	e	P	14:16:49.63	BZ	
		e	LR	LZ					IAmb	14:16:53.55	BZ	0.106	1.2
		IAMs_20	14:39:31.54	LZ	0.279	18		PVIS	e	P	14:16:48.01	BZ	
PSARD	e	P	13:26:29.00	BZ					PBEJ	e	P	14:16:48.78	SZ
		IAmb	13:26:32.99	BZ	0.106	1.4			IAmb	14:16:53.08	SZ	0.045	1.2
PARRA	e	P	13:26:29.83	BZ				POLO	e	P	14:16:48.47	BZ	
		IAmb	13:26:33.95	BZ	0.095	1.5			IAmb	14:16:53.33	BZ	0.037	1.1
PCVE	e	P	13:26:29.41	BZ				PVAQ	e	P	14:16:49.81	BZ	
		IAmb	13:26:34.61	BZ	0.103	1.4			IAmb	14:16:54.37	BZ	0.077	1.2
EVO	e	P	13:26:29.29	BZ					e	LR	14:34:19.35	LZ	
		IAmb	13:26:34.17	BZ	0.112	1.4			IAMs_20	14:38:56.03	LZ	0.603	20
PCAB	e	P	13:26:29.60	SZ				PVRL	e	P	14:16:49.17	SZ	
		IAmb	13:26:34.03	SZ	0.067	1.3			IAmb	14:16:53.67	SZ	0.086	1.2
PBDV	e	P	13:26:30.83	BZ				PESTR	e	P	14:16:49.83	BZ	
		IAmb	13:26:36.23	BZ	0.196	1.3			IAmb	14:16:54.38	BZ	0.083	1.2
PVIS	e	P	13:26:30.20	BZ				MTE	e	P	14:16:49.72	BZ	
PBEJ	e	P	13:26:30.82	SZ					IAmb	14:16:54.48	BZ	0.065	1.1
		IAmb	13:26:35.87	SZ	0.073	1.3			e	LR	14:34:40.64	LZ	
POLO	e	P	13:26:30.42	BZ					IAMs_20	14:37:29.06	LZ	0.518	20
		IAmb	13:26:35.39	BZ	0.052	1.5		PCBR	e	P	14:16:50.00	SZ	
PVAQ	e	P	13:26:31.65	BZ					IAmb	14:16:54.75	SZ	0.082	1.1
		IAmb	13:26:37.07	BZ	0.111	1.3		PMRV	e	P	14:16:50.48	BZ	
		e	LR	LZ					IAmb	14:16:55.15	BZ	0.096	1.1
		IAMs_20	14:38:55.01	LZ	0.603	20			e	LR	14:34:36.88	LZ	
PVRL	e	P	13:26:31.73	SZ					IAMs_20	14:37:30.69	LZ	0.361	22
		IAmb	13:26:35.77	SZ	0.125	1.3		MVO	e	P	14:16:52.69	BZ	
PESTR	e	P	13:26:31.78	BZ					IAmb	14:16:57.41	BZ	0.087	1.1
		IAmb	13:26:36.47	BZ	0.126	1.5			e	LR	14:35:04.00	LZ	
MTE	e	P	13:26:31.92	BZ					IAMs_20	14:37:17.53	LZ	0.174	22
		IAmb	13:26:37.16	BZ	0.129	1.2		PBAR	e	P	14:16:52.38	BZ	
		e	LR	LZ					IAmb	14:16:57.63	BZ	0.074	1.3
		IAMs_20	14:37:27.24	LZ	0.518	20		PBRG	e	P	14:16:54.57	BZ	
PCBR	e	P	13:26:32.23	SZ					IAmb	14:16:58.97	BZ	0.042	1.3
		IAmb	1										



	e S	16:51:38.64	HN	
PLOUS	e S	16:51:56.21	HE	
PESTR	e S	16:51:58.22	HE	
PARRA	e P	16:51:10.11	HZ	
	e S	16:52:01.33	HE	

**24-Jan Ho 22:47:49.1 ML 0.7**  
**Lat 41.926°N Lon 07.012°W Prof 6\***  
**Região: N Vinhais Rms 0.2**  
**AxMax 2.8 AxMin 1.9 Ang 171 ErrZ 0**

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PBRG	e Pg	22:47:53.36		HZ		
	e Sg	22:47:56.86		HN		
	IAML	22:47:57.25		HZ	0.003	0.3
MVO	e S	22:48:13.21		HE		
PCAB	e P	22:48:04.00		EZ		
	e S	22:48:14.17		EN		
	IAML	22:48:14.98		EZ	0.004	0.8
POLO	e P	22:48:03.87		HZ		
	e S	22:48:14.57		HN		
	IAML	22:48:16.38		HZ	0.002	0.4
PVRL	e S	22:48:16.24		EN		
PGAV	e P	22:48:06.27		HZ		
	e S	22:48:18.80		HE		
	IAML	22:48:20.51		HZ	0.003	0.6

**24-Jan**

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PGAV	e Pg	23:05:50.89		HZ		
	e Sg	23:05:57.76		HE		
	IAML	23:06:01.31		HZ	0.002	0.2
PCAB	e P	23:05:55.37		EZ		
	e S	23:06:05.34		EN		
	IAML	23:06:06.90		EZ	0.004	0.3
POLO	e S	23:06:16.83		HE		
	IAML	23:06:17.38		HZ	0.001	0.8
PBRG	e S	23:06:20.18		HN		

**25-Jan Ho 00:30:55.4 ML 0.2**  
**Lat 38.489°N Lon 08.025°W Prof 10**  
**Região: SW Evora Rms 0.2**  
**AxMax 2.7 AxMin 1.7 Ang 92 ErrZ 4**

Est	Fase	P h:m:s	Dur	Co	Amp	Per
EVO	e Pg	00:30:57.31		HZ		
	e Sg	00:30:58.65		HN		
	IAML	00:30:59.22		HZ	0.012	0.1
MOE	e Pg	00:31:00.63		HZ		
	e Sg	00:31:04.35		HN		
	IAML	00:31:05.13		HZ	0.003	0.7
PARRA	e Pg	00:31:01.61		HZ		
	e Sg	00:31:05.91		HE		
	IAML	00:31:06.35		HZ	0.002	0.6
PBEJ	e Sg	00:31:10.65		EE		
PESTR	e Pg	00:31:04.98		HZ		
	e Sg	00:31:12.04		HN		
PMTG	e Pg	00:31:08.67		HZ		
	e Sg	00:31:14.43		HE		

**25-Jan Ho 01:24:33.5 Distante (NEIC) Mw 6.0**  
**Lat 55.370°S Lon 28.784°W Prof 11**  
**Região: South Sandwich Islands Region**

Est	Fase	P h:m:s	Dur	Co	Amp	Per
FUL	e P	01:37:29.11		EZ		
PMAR	e P	01:37:31.49		BZ		
PMOZ	e P	01:37:31.84		BZ		
	e S	01:48:08.33		LN		
	e LR	02:05:24.14		LZ		
	IAMS_20	02:11:16.41		LZ	1.995	20
PMPST	e P	01:37:33.34		BZ		
PFVI	e P	01:37:53.42		BZ		
MORF	e P	01:37:57.19		BZ		
PBDV	e P	01:37:58.37		BZ		
PTEO	e P	01:37:57.20		BZ		
PVAQ	e P	01:37:57.79		BZ		
	e S	01:48:29.20		L1		
	e LR	02:09:06.67		LZ		
	IAMS_20	02:18:17.87		LZ	3.258	18
MESJ	e P	01:37:56.34		BZ		

PLOUS	e P	01:37:57.49	BZ	
PAZOI	e P	01:38:02.49	BZ	
PBAR	e P	01:38:00.18	BZ	
MOE	e P	01:38:00.73	BZ	
EVO	e P	01:38:00.75	BZ	
GGNV	e P	01:38:03.25	BZ	
PMAFR	e P	01:38:03.98	BZ	
PARRA	e P	01:38:02.46	BZ	
PESTR	e P	01:38:06.02	BZ	
PMTG	e P	01:38:02.78	BZ	
PSBE	e P	01:38:06.28	BZ	
PMRV	e P	01:38:02.48	BZ	
	e PP	01:41:55.26	LZ	
	e S	01:48:40.78	LN	
	e LR	02:09:44.12	LZ	

	e PP	01:41:55.26	LZ		
	e S	01:48:40.78	LN		
	e LR	02:09:44.12	LZ		
	IAMs_20	02:15:43.81	LZ	3.077	22
PSARD	e P	01:38:03.67	BZ		
PCBR	e P	01:38:06.95	SZ		
PCAS	e P	01:38:09.26	BZ		
COI	e P	01:38:11.29	BZ		
MTE	e P	01:38:11.32	BZ		
	e PP	01:42:04.30	LZ		
	e S	01:48:46.63	LN		
	e LR	02:09:48.98	LZ		
	IAMs_20	02:21:13.54	LZ	2.755	18
PVIS	e P	01:38:12.11	BZ		
MVO	e P	01:38:15.18	BZ		
	e PP	01:42:00.93	LZ		
	e S	01:48:54.91	LN		
	e LR	02:10:01.92	LZ		
	IAMs_20	02:22:02.09	LZ	2.319	16
POLO	e P	01:38:07.68	BZ		
PGAV	e P	01:38:18.94	BZ		
	e PP	01:42:15.18	LZ		
	e S	01:48:50.47	LN		
	e LR	02:10:17.61	LZ		
	IAMs_20	02:17:02.59	LZ	3.901	22

**25-Jan Ho 02:14:34.0 Distante (IPMA)**  
**Lat 10.030°N Lon 59.840°W Prof 10**  
**Região: North Atlantic Ocean**

Est	Fase	P h:m:s	Dur	Co	Amp	Per
MOE	e P	02:23:57.60		BZ		
	IAMB	02:24:17.12		BZ	0.050	1.7
EVO	e P	02:24:05.25		BZ		
PMTG	e P	02:24:01.45		BZ		
	IAMB	02:24:03.18		BZ	0.027	1.5
PARRA	e P	02:24:02.17		BZ		
PCAS	e P	02:24:00.70		BZ		
PSARD	e P	02:24:03.73		BZ		
COI	e P	02:24:00.23		BZ		
	IAMB	02:24:14.38		BZ	0.050	1.5
PCBR	e P	02:24:05.36		SZ		
MTE	e P	02:24:07.25		BZ		
POLO	e P	02:24:08.31		BZ		
	IAMB	02:24:09.06		BZ	0.008	2.1
PVRL	e P	02:24:06.53		SZ		
MVO	e P	02:24:12.32		BZ		
PBRG	e P	02:24:14.78		BZ		

**25-Jan Ho 03:25:24.7 Distante (NEIC) Mw 5.2**  
**Lat 15.847°S Lon 173.745°W Prof 106**  
**Região: Tonga Islands**

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PGAV	e PKPdf	03:45:07.58		BZ		
	e PKPbc	03:45:45.51		BZ		
PCAB	e PKPdf	03:45:08.26		SZ		
POLO	e PKPdf	03:45:09.26		BZ		
	e PKPbc	03:45:47.30		BZ		
PVRL	e PKPdf	03:45:09.36		SZ		
MVO	e PKPdf	03:45:10.36		BZ		
	e PKPbc	03:45:46.81		BZ		
PCAS	e PKPdf	03:45:10.76		BZ		
MTE	e PKPdf	03:45:10.68		BZ		
	e PKPbc	03:45:54.21		BZ		
PSARD	e PKPab	03:45:21.97		BZ		
PMTG	e PKPdf	03:45:13.79		BZ		
PMRV	e PKPdf	03:45:12.80		BZ		



PMRV	e P	05:54:07.39	HZ					IAML	07:33:13.87	HZ	0.003	0.7
	e S	05:54:44.93	HN					PBEJ	07:32:56.56	EE		
	IAML	05:54:47.96	HZ	0.005	0.2			PBAR	07:32:38.80	HZ		
PCAS	e P	05:54:10.58	HZ						07:33:06.03	HN		
	e S	05:54:51.52	HE					IAML	07:33:08.42	HZ	0.004	0.7
	IAML	05:54:57.44	HZ	0.003	0.4			MOE	07:32:39.29	HZ		
PCBR	e P	05:54:11.94	EZ						07:33:07.21	HN		
	e S	05:54:53.22	EN					IAML	07:33:10.41	HZ	0.003	0.2
	IAML	05:54:57.92	EZ	0.002	0.4			PARRA	07:32:43.39	HZ		
MTE	e P	05:54:18.48	HZ						07:33:14.03	HE		
	e S	05:55:05.11	HN					IAML	07:33:17.09	HZ	0.002	0.2
	IAML	05:55:08.23	HZ	0.003	0.2			PESTR	07:33:17.06	HN		
PVIS	e P	05:54:20.77	HZ					PMTG	07:33:20.11	HN		
	e S	05:55:10.33	HN					IAML	07:33:22.05	HZ	0.003	0.2
PVRL	e S	05:55:24.12	EE					PMRV	07:32:53.20	HZ		
POLO	e P	05:54:29.65	HZ						07:33:30.73	HE		
	e S	05:55:24.63	HE					IAML	07:33:32.51	HZ	0.002	0.8
	IAML	05:55:29.74	HZ	0.001	0.5			PCBR	07:32:58.63	EZ		
MVO	e S	05:55:25.19	HE						07:33:41.11	EN		
	IAML	05:55:26.72	HZ	0.002	0.9			PCAS	07:33:01.03	HZ		
PCAB	e P	05:54:33.41	EZ						07:33:44.36	HN		
	e S	05:55:33.15	EN									
PGAV	e P	05:54:36.12	HZ									
	e S	05:55:36.41	HE									

<b>25-Jan</b>	<b>Ho</b>	<b>06:21:13.0</b>				<b>ML 0.9</b>
	<b>Lat</b>	<b>36.997°N</b>	<b>Lon</b>	<b>08.872°W</b>		<b>Prof 28</b>
	<b>Região:</b>	<b>SE Vila do Bispo</b>				<b>Rms 0.2</b>
	<b>AxMax</b>	<b>5.9</b>	<b>AxMin</b>	<b>3.8</b>	<b>Ang 97</b>	<b>ErrZ 2</b>
<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 Pg	c 06:21:17.90		HZ		
	e Sg	06:21:21.88		HN		
	IAML	06:21:21.92		HZ	0.010	0.5
MORF	e Pg	06:21:20.60		HZ		
	e Sg	06:21:26.54		HE		
	IAML	06:21:26.68		HZ	0.009	0.1
PMONC	e Pg	06:21:21.39		HZ		
	e Sg	06:21:27.97		H1		
	IAML	06:21:28.75		HZ	0.016	0.2
PTEO	e Pg	06:21:23.48		HZ		
	e Sg	06:21:31.68		HN		
PBDV	e P	06:21:27.26		HZ		
	e S	06:21:37.71		HE		
PCVE	e P	06:21:29.12		HZ		
	e S	06:21:40.50		HE		
MESJ	e P	06:21:29.81		HZ		
	e S	06:21:42.47		HE		
PVAQ	e P	06:21:30.15		HZ		
	e S	06:21:42.26		H2		
	IAML	06:21:43.69		HZ	0.002	0.7

<b>25-Jan</b>	<b>Ho</b>	<b>07:32:02.5</b>				<b>ML 1.8</b>
	<b>Lat</b>	<b>36.041°N</b>	<b>Lon</b>	<b>08.538°W</b>		<b>Prof 38*</b>
	<b>Região:</b>	<b>SE Cabo S.Vicente</b>				<b>Rms 0.3</b>
	<b>AxMax</b>	<b>4.2</b>	<b>AxMin</b>	<b>2.9</b>	<b>Ang 63</b>	<b>ErrZ 0</b>
<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	07:32:20.17		HZ		
	e S	07:32:34.01		HE		
	IAML	07:32:38.41		HZ	0.007	0.4
MORF	e P	07:32:22.32		HZ		
	e S	07:32:37.77		HE		
	IAML	07:32:41.50		HZ	0.013	0.1
PBDV	e P	07:32:23.23		HZ		
	e S	07:32:38.64		HE		
	IAML	07:32:42.19		HZ	0.006	0.6
PTEO	e P	07:32:25.75		HZ		
	e S	07:32:43.76		HN		
PVAQ	e P	07:32:26.50		HZ		
	e S	07:32:43.15		H2		
	IAML	07:32:45.23		HZ	0.007	0.5
PCVE	e P	07:32:27.93		HZ		
	e S	07:32:46.75		HE		
	IAML	07:32:47.16		HZ	0.004	0.5
MESJ	e P	07:32:30.19		HZ		
	e S	07:32:51.10		HN		
	IAML	07:32:54.81		HZ	0.005	0.3
PLOUS	e P	07:32:32.83		HZ		
	e S	07:32:54.73		HN		

<b>25-Jan</b>	<b>Ho</b>	<b>11:35:42.8</b>				<b>ML 1.7</b>
	<b>Lat</b>	<b>37.348°N</b>	<b>Lon</b>	<b>08.472°W</b>		<b>Prof 6*</b>
	<b>Região:</b>	<b>NE Monchique</b>				<b>Rms 0.5</b>
	<b>AxMax</b>	<b>3.0</b>	<b>AxMin</b>	<b>2.2</b>	<b>Ang 139</b>	<b>ErrZ 0</b>
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp</i>	<i>Per</i>
PMONC	e Pg	c 11:35:44.36		HZ		
	e Sg	11:35:45.82		H2		
	IAML	11:35:45.97		HZ	1.231	0.2
MORF	e Pg	c 11:35:45.62		HZ		
	e Sg	11:35:48.06		HE		
	IAML	11:35:48.30		HZ	0.366	0.1
PTEO	e Pg	11:35:47.95		HZ		
	e Sg	11:35:52.04		HN		
	IAML	11:35:55.15		HZ	0.017	0.2
PFVI	e Pg	11:35:48.99		HZ		
	e Sg	11:35:53.74		HN		
	IAML	11:35:54.21		HZ	0.030	0.1
PBDV	e Pg	c 11:35:51.00		HZ		
	e Sg	11:35:57.42		HN		
	IAML	11:36:00.18		HZ	0.020	0.4
PCVE	e Pg	11:35:51.39		HZ		
	e Sg	11:35:57.09		HE		
	IAML	11:36:02.68		HZ	0.007	0.2
MESJ	e Pg	11:35:52.82		HZ		
	e Sg	11:35:59.34		HN		
	IAML	11:35:59.59		HZ	0.013	0.3
PVAQ	e Pg	11:35:53.99		HZ		
	e Sg	11:36:01.81		H2		
	IAML	11:36:04.98		HZ	0.024	0.1
PLOUS	e Pg	11:35:55.93		HZ		
	e Sg	11:36:04.49		HN		
	IAML	11:36:06.38		HZ	0.009	0.1
PBEJ	e P	11:35:58.74		EZ		
	e S	11:36:10.28		EE		
	IAML	11:36:11.91		EZ	0.013	0.2
MOE	e P	11:36:04.55		HZ		
	e S	11:36:20.13		HE		
	IAML	11:36:22.15		HZ	0.012	0.2
EVO	e P	11:36:06.44		HZ		
	e S	11:36:20.58		HE		
	IAML	11:36:24.20		HZ	0.009	0.1
PBAR	e Pn	11:36:07.46		HZ		
	e Sn	11:36:25.65		HE		
	e Sg	11:36:27.47		HN		
	IAML	11:36:28.80		HZ	0.007	0.3
PARRA	e Pn	11:36:08.98		HZ		
	e Sg	11:36:29.47		HE		
	IAML	11:36:30.06		HZ	0.005	0.3
PESTR	e Sn	11:36:31.14		HE		
	e Sg	11:36:35.39		HN		
	IAML	11:36:45.38		HZ	0.004	0.5
PMTG	e Pn	11:36:11.69		HZ		
	e Sg	11:36:36.38		HN		
	IAML	11:36:36.49		HZ	0.005	0.2
PMRV	e Pn	11:36:18.97		HZ		
	e Sn	11:36:46.21		HE		

[illegible]

POLO e Sn 17:01:47.31 HE  
IAML 17:02:33.42 HZ 0.002 0.7  
PGAV e Pn 17:01:01.12 HZ

**25-Jan Ho 18:50:57.8 Distante (NEIC) mb 4.5**  
**Lat 18.546°N Lon 72.667°W Prof 10**  
**Região: Haiti Region**

Est	Fase	P h:m:s	Dur	Co	Amp	Per
MESJ	e P	19:00:57.95		BZ		
PGAV	e P	19:00:57.79		BZ		
PARRA	e P	19:00:56.65		BZ		
EVO	e P	19:00:58.59		BZ		
PBDV	e P	19:01:00.41		BZ		
PVIS	e P	19:00:59.49		BZ		
POLO	e P	19:01:00.55		BZ		
PVAQ	e P	19:01:01.19		BZ		
PVRL	e P	19:01:00.87		SZ		
PESTR	e P	19:01:01.51		BZ		
	IAMB	19:01:11.29		BZ	0.030	1.7
MTE	e P	19:01:01.52		BZ		
PCBR	e P	19:01:01.61		SZ		
PMRV	e P	19:01:01.95		BZ		
PBAR	e P	19:01:04.86		BZ		
	IAMB	19:01:12.43		BZ	0.033	1.8
MVO	e P	19:01:04.33		BZ		
	IAMB	19:01:05.22		BZ	0.013	1.1

**25-Jan Ho 19:04:01.9 ML 2.5**  
**Lat 35.541°N Lon 03.609°W Prof 21**  
**Região: Alboran Rms 0.4**  
**AxMax 3.6 AxMin 2.5 Ang 133 ErrZ 6**

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PVAQ	e S	19:05:40.16		H2		
	IAML	19:05:53.84		HZ	0.007	0.7
PBAR	e P	19:05:00.78		HZ		
	e S	19:05:40.91		HE		
	IAML	19:05:50.55		HZ	0.005	0.4
PBDV	e S	19:05:42.37		HN		
	IAML	19:05:54.81		HZ	0.006	0.5
PCVE	e P	19:05:03.46		HZ		
	e S	19:05:48.83		HE		
	IAML	19:05:51.67		HZ	0.006	0.6
PBEJ	e S	19:05:50.86		EN		
MESJ	e S	19:05:53.97		HN		
	IAML	19:06:06.94		HZ	0.005	0.4
MORF	e S	19:05:57.27		HE		
	IAML	19:06:04.62		HZ	0.004	0.8
PFVI	e S	19:05:57.21		HE		
PESTR	e S	19:06:00.36		HE		
	IAML	19:06:45.23		HZ	0.005	0.6
PLOUS	e P	19:05:10.00		HZ		
	e S	19:06:00.71		HN		
	IAML	19:06:20.24		HZ	0.004	0.9
EVO	e P	19:05:10.64		HZ		
	e S	19:06:00.17		HE		
	IAML	19:06:09.65		HZ	0.005	0.5
PARRA	e P	19:05:13.74		HZ		
	e S	19:06:05.61		HE		
	IAML	19:06:14.27		HZ	0.004	0.5
MOE	e S	19:06:07.00		HN		
	IAML	19:06:15.53		HZ	0.007	0.5
PMRV	e P	19:05:17.34		HZ		
PCBR	e P	19:05:20.43		EZ		
	e S	19:06:17.86		EE		
PSARD	e P	19:05:23.13		HZ		
	e S	19:06:21.41		HE		
	IAML	19:06:43.98		HZ	0.007	0.8
PCAS	e S	19:06:33.05		HE		
	IAML	19:07:24.75		HZ	0.004	0.5
POLO	e S	19:06:52.29		HN		
	IAML	19:07:05.52		HZ	0.001	0.7

**25-Jan**  
**Est Fase P h:m:s Dur Co Amp Per**  
PVAQ e P 20:06:17.10 HZ  
e S 20:06:59.88 H2  
PBDV e P 20:06:17.75 HZ

**25-Jan Ho 22:13:11.0 ML 1.3**  
**Lat 36.473°N Lon 07.867°W Prof 21**  
**Região: Golfo de Cádiz Rms 0.3**  
**AxMax 6.6 AxMin 4.2 Ang 29 ErrZ 6**

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PBDV	e S	22:13:35.61		HE		
PVAQ	e P	22:13:27.36		HZ		
	e S	22:13:39.50		H2		
	IAML	22:13:40.31		HZ	0.006	0.5
PFVI	e S	22:13:41.44		HN		
MORF	e S	22:13:42.51		HN		
PCVE	e P	22:13:30.85		HZ		
	e S	22:13:45.31		HN		
	IAML	22:13:46.06		HZ	0.003	0.4
PTEO	e S	22:13:48.25		HE		
MESJ	e S	22:13:50.69		HN		
	IAML	22:13:51.68		HZ	0.002	0.3
PBEJ	e S	22:13:54.63		EN		
PLOUS	e S	22:13:57.62		HE		
PBAR	e P	22:13:39.61		HZ		
	e S	22:14:00.40		HE		
EVO	e S	22:14:06.79		HE		
MOE	e S	22:14:07.94		HN		
PARRA	e P	22:13:46.72		HZ		
	e S	22:14:12.85		HN		
PMTG	e S	22:14:20.36		HE		
PMRV	e P	22:13:55.41		HZ		
	e S	22:14:29.10		HN		
PSARD	e S	22:14:34.09		HE		

**25-Jan Ho 22:35:48.2 ML 0.5**  
**Lat 42.190°N Lon 08.402°W Prof 16\***  
**Região: NW Melgaço Rms 0.0**  
**AxMax 3.7 AxMin 1.7 Ang 105 ErrZ 0**

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PGAV	e Pg	22:35:53.37		HZ		
	e Sg	22:35:57.31		HN		
	IAML	22:35:58.09		HZ	0.003	0.3
PCAB	e Sg	22:36:06.12		EN		
	IAML	22:36:07.49		EZ	0.003	0.3
POLO	e S	22:36:17.70		HN		

**25-Jan Ho 22:49:18.5 ML 0.4**  
**Lat 42.156°N Lon 08.498°W Prof 19**  
**Região: N Monção Rms 0.1**  
**AxMax 5.1 AxMin 2.8 Ang 97 ErrZ 2**

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PGAV	e Pg	22:49:24.08		HZ		
	e Sg	22:49:28.37		HN		
	IAML	22:49:30.14		HZ	0.002	0.4
PCAB	e Pg	22:49:29.10		EZ		
	e Sg	22:49:36.95		EN		
	IAML	22:49:37.73		EZ	0.003	0.8
POLO	e S	22:49:48.22		HE		
PBRG	e S	22:49:58.04		HN		

**26-Jan Ho 00:22:47.6 ML 0.9**  
**Lat 36.732°N Lon 07.517°W Prof 0**  
**Região: Golfo de Cádiz Rms 0.4**  
**AxMax 11.1 AxMin 10.4 Ang 54 ErrZ 8**

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PBDV	e P	00:22:58.76		HZ		
	e S	00:23:07.82		HN		
	IAML	00:23:09.37		HZ	0.003	0.3
PVAQ	e P	00:23:00.07		HZ		
	e S	00:23:09.03		H1		
	IAML	00:23:19.71		HZ	0.004	0.6
PCVE	e P	00:23:05.30		HZ		
	e S	00:23:19.07		HN		
PTEO	e S	00:23:27.73		HN		
PLOUS	e S	00:23:33.64		HN		
PBAR	e S	00:23:34.08		HE		

<b>26-Jan</b>	<b>Ho</b>	<b>00:25:22.7</b>			<b>ML 0.8</b>
	<b>Lat</b>	<b>37.319°N</b>	<b>Lon</b>	<b>08.546°W</b>	<b>Prof 13</b>
	<b>Região: NE Monchique</b>				<b>Rms 0.4</b>
	<b>AxMax</b>	<b>2.9</b>	<b>AxMin</b>	<b>2.0</b>	<b>Ang 119</b>
					<b>ErrZ 5</b>
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp Per</i>
PMONC	e Pg	00:25:24.87		HZ	
	e Sg	00:25:26.69		H1	
	IAML	00:25:26.98		HZ	0.015 0.1
MORF	e Pg	c 00:25:25.25		HZ	
	e Sg	00:25:27.26		HE	
	IAML	00:25:27.47		HZ	0.032 0.2
PTEO	e Pg	00:25:27.94		HZ	
	e Sg	00:25:31.47		HN	
PFVI	e Pg	00:25:28.44		HZ	
	e Sg	00:25:32.55		HN	
PBDV	e Sg	00:25:38.13		HN	
PCVE	e Sg	00:25:38.97		HE	
MESJ	e Pg	00:25:33.92		HZ	
	e Sg	00:25:41.41		HN	
PVAQ	e Pg	00:25:35.15		HZ	
	e Sg	00:25:43.94		H2	
PLOUS	e Sg	00:25:44.74		HE	
MOE	e Sg	00:26:00.99		HN	
EVO	e Sg	00:26:02.73		HN	
PBAR	e Sg	00:26:09.94		HE	
PARRA	e Sg	00:26:11.53		HE	
PMTG	e Sg	00:26:17.07		HE	

26-Jan	Ho	01:14:30.1	Distante (NEIC)		mb 4.5	
	Lat	18.497°N	Lon 73.336°W		Prof 10	
	Região: Haiti Region					
Est	Fase	P h:m:s	Dur	Co	Amp	Per
PGAV	e P	01:24:31.02		BZ		
	IAMB	01:24:41.57		BZ	0.020	1.6
PSARD	e P	01:24:32.01		BZ		
	IAMB	01:24:39.22		BZ	0.021	1.4
PBDV	e P	01:24:36.06		BZ		
	IAMB	01:24:47.94		BZ	0.095	1.8
PVIS	e P	01:24:35.85		BZ		
MTE	e P	01:24:40.65		BZ		
	IAMB	01:24:43.18		BZ	0.013	1.1
PCBR	e P	01:24:37.96		SZ		
	IAMB	01:24:51.72		SZ	0.017	1.7
PMRV	e P	01:24:41.44		BZ		
	IAMB	01:24:43.24		BZ	0.024	1.3
MVO	e P	01:24:43.73		BZ		
	IAMB	01:24:58.77		BZ	0.014	1.8

<b>26-Jan</b>	<b>Ho</b>	<b>01:52:45.0</b>			<b>ML 1.2</b>
	<b>Lat</b>	<b>36.640°N</b>	<b>Lon</b>	<b>07.400°W</b>	<b>Prof 21</b>
	<b>Região: Golfo de Cádiz</b>				<b>Rms 0.5</b>
	<b>AxMax</b>	<b>21.0</b>	<b>AxMin</b>	<b>9.6</b>	<b>Ang 59</b>
					<b>ErrZ 7</b>
<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	01:52:58.41		HZ	
	e S	01:53:08.03		HN	
PVAQ	e P	01:53:00.06		HZ	
	e S	01:53:11.13		H2	
PCVE	e P	01:53:04.27		HZ	
	e S	01:53:17.84		HN	
MESJ	e P	01:53:07.98		HZ	
	e S	01:53:24.87		HN	
PBAR	e P	01:53:09.34		HZ	

26-Jan						
Est	Fase	P h:m:s	Dur	Co	Amp	Per
PFVI	e P	02:03:24.20		HZ		
	e S	02:03:29.52		HE		
MORF	e P	02:03:27.25		HZ		
	e S	02:03:34.46		HN		
PTEO	e S	02:03:37.30		HE		

26-Jan	Ho	02:06:10.2	Distante (NEIC)		mb 5.0
	Lat	07.261°S	Lon	27.972°E	Prof 10
Região: Democratic Republic of Congo					
Est	Fase	P	h:m:s	Dur	Co
PVAQ	e P		02:15:46.39		BZ
PBDV	e P		02:15:47.03		BZ
PBAR	e P		02:15:46.96		BZ

MORF	e P	02:15:50.19		BZ	
MESJ	e P	02:15:51.44		BZ	
PTEO	e P	02:15:51.93		BZ	
PLOUS	e P	02:15:51.57		BZ	
EVO	e P	02:15:53.30		BZ	
	IAMB	02:17:23.03		BZ	0.026 1.6
PESTR	e P	02:15:53.35		BZ	
	IAMB	02:16:00.42		BZ	0.047 1.6
PARRA	e P	02:15:54.82		BZ	
	IAMB	02:16:02.21		BZ	0.040 1.4
PMRV	e P	02:15:55.05		BZ	
	IAMB	02:16:02.50		BZ	0.028 1.4
PCBR	e P	02:15:57.31		SZ	
	IAMB	02:15:58.86		SZ	0.018 1.3
PSARD	e P	02:15:59.00		BZ	
MTE	e P	02:16:00.57		BZ	
	IAMB	02:16:07.14		BZ	0.027 1.8
PSBE	e P	02:16:02.31		BZ	
MVO	e P	02:16:03.18		BZ	
	IAMB	02:16:10.48		BZ	0.040 1.6
PVIS	e P	02:16:03.56		BZ	
PBRG	e P	02:16:04.71		BZ	
PVRL	e P	02:16:06.44		SZ	
	IAMB	02:16:13.34		SZ	0.025 1.9
POLO	e P	02:16:06.81		BZ	
PTO	e P	02:16:08.49		SZ	
	IAMB	02:16:29.32		SZ	0.040 1.7
PGAV	e P	02:16:11.35		BZ	

<b>26-Jan</b>	<b>Ho</b>	<b>05:27:51.8</b>			<b>ML 2.4</b>
	<b>Lat</b>	<b>43.092°N</b>	<b>Lon</b>	<b>00.543°W</b>	<b>Prof 5</b>
	<b>Região: Pirenéus (ESP)</b>				<b>Rms 0.5</b>
	<b>AxMax</b>	<b>7.0</b>	<b>AxMin</b>	<b>4.6</b>	<b>Ang 25</b>
					<b>ErrZ 6</b>
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp Per</i>
PBRG	e Pn	05:29:04.35		HZ	
	e Sn	05:29:56.37		HE	
	IAML	05:29:59.21		HZ	0.004 0.4
MVO	e Pn	05:29:09.64		HZ	
	e Sn	05:30:05.72		HN	
	IAML	05:30:37.25		HZ	0.003 0.4
POLO	e Pn	05:29:15.10		HZ	
	e Sn	05:30:17.28		HN	
	IAML	05:30:52.61		HZ	0.001 0.5
PGAV	e Pn	05:29:17.30		HZ	
	e Sn	05:30:24.17		HE	
MTE	e Pn	05:29:19.89		HZ	
	e Sn	05:30:22.45		HN	
PVIS	e Sn	05:30:24.60		HN	
PCBR	e Sn	05:30:28.58		EE	
PMRV	e Pn	05:29:23.85		HZ	
	e Sn	05:30:32.76		HN	
	IAML	05:31:18.16		HZ	0.002 0.6
PSARD	e Sn	05:30:42.35		HE	
PESTR	e Pn	05:29:30.34		HZ	
PBAR	e Pn	05:29:33.32		HZ	
	e Sn	05:30:48.60		HN	
PMTG	e Sn	05:30:51.51		HN	
PARRA	e Pn	05:29:34.37		HZ	
MOE	e Pn	05:29:39.51		HZ	

<b>26-Jan</b>	<b>Ho</b>	<b>06:49:28.8</b>			<b>ML 1.3</b>
	<b>Lat</b>	<b>36.306°N</b>	<b>Lon</b>	<b>08.882°W</b>	<b>Prof 11</b>
	<b>Região: S Cabo S.Vicente</b>				<b>Rms 0.5</b>
	<b>AxMax</b>	<b>16.8</b>	<b>AxMin</b>	<b>9.8</b>	<b>Ang 94</b>
					<b>ErrZ 11</b>
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp Per</i>
PFVI	e P	06:49:43.44		HZ	
	e S	06:49:54.85		HE	
	IAML	06:49:56.79		HZ	0.011 1.2
MORF	e P	06:49:46.13		HZ	
	e S	06:50:01.25		HN	
	IAML	06:50:01.32		HZ	0.003 0.5
PBDV	e P	06:49:50.28		HZ	
	e S	06:50:05.19		HE	
PTEO	e S	06:50:07.19		HN	
PVAQ	e S	06:50:11.71		H2	
PCVE	e P	06:49:54.25		HZ	
	e S	06:50:12.80		HE	
	IAML	06:50:15.05		HZ	0.002 0.6

MESJ	e Sg	06:50:19.08	HE							IAML	14:11:06.99	HZ	0.011	0.8
PLOUS	e Sg	06:50:22.54	HN							PTEO	e P	14:10:02.35	HZ	
											e S	14:10:53.37	HE	
<b>26-Jan</b>	<b>Ho</b>	<b>09:01:24.1</b>									IAML	14:11:05.00	HZ	0.006 0.8
	<b>Lat</b>	<b>36.711°N</b>	<b>Lon</b>	<b>05.756°W</b>						PLOUS	e P	14:10:02.37	HZ	
					<b>Prof</b>	<b>16</b>					e S	14:10:54.00	HE	
	<b>Região:</b>	<b>NE Cádiz (ESP)</b>			<b>Rms</b>	<b>0.5</b>					IAML	14:10:59.97	HZ	0.003 0.4
	<b>AxMax</b>	<b>3.8</b>	<b>AxMin</b>	<b>3.6</b>	<b>Ang</b>	<b>7</b>	<b>ErrZ</b>	<b>7</b>						
<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 P	14:10:02.73	HZ	
PVAQ	e Pn	09:01:51.69		HZ						EVO	e P	14:10:03.14	HZ	
	e Sg	09:02:17.13		H1							e S	14:10:55.36	HE	
	IAML	09:02:21.56		HZ	0.017	0.3					IAML	14:11:00.34	HZ	0.005 0.6
PBAR	e Pn	09:01:54.74		HZ						PARRA	e P	14:11:05.76	HZ	
	e Sg	09:02:19.23		HE							e S	14:10:59.14	HN	
	IAML	09:02:22.04		HZ	0.016	0.2					IAML	14:11:00.92	HZ	0.003 0.3
PBDV	e Pn	09:01:53.95		HZ						MOE	e P	14:10:06.22	HZ	
	e Sg	09:02:21.26		HN							e S	14:10:59.64	HE	
	IAML	09:02:29.34		HZ	0.014	0.5					IAML	14:11:12.91	HZ	0.005 0.6
PCVE	e Pn	09:01:56.27		HZ						PMRV	e P	14:10:07.66	HZ	
	e Sg	09:02:26.54		HN							e S	14:11:01.49	HE	
	IAML	09:02:33.80		HZ	0.011	0.7					IAML	14:11:13.32	HZ	0.002 0.5
PBEJ	e Sg	09:02:30.54		EN						PMTG	e P	14:10:09.79	HZ	
	IAML	09:02:36.14		EZ	0.005	0.4					e S	14:11:05.86	HN	
MESJ	e Sg	09:02:35.34		HE							IAML	14:11:09.65	HZ	0.002 0.5
	IAML	09:02:44.69		HZ	0.010	0.7				PCBR	e P	14:10:13.01	EZ	
PTEO	e Sg	09:02:43.73		HE						PSARD	e P	14:10:14.10	HZ	
	IAML	09:02:51.18		HZ	0.010	0.5					e S	14:11:13.80	HN	
EVO	e Pn	09:02:03.76		HZ							IAML	14:11:19.84	HZ	0.005 0.2
	e Sg	09:02:43.53		HE						PSBE	e P	14:10:18.66	HZ	
	IAML	09:02:51.56		HZ	0.010	0.6				MVO	e P	14:10:26.22	HZ	
MOE	e Sg	09:02:48.75		HN						POLO	e P	14:10:32.37	HZ	
	IAML	09:02:56.24		HZ	0.012	0.3				PBRG	e P	14:10:33.40	HZ	
PARRA	e Pn	09:02:06.33		HZ										
	e Sn	09:02:40.35		HE						<b>26-Jan</b>	<b>Ho</b>	<b>16:30:05.0</b>		<b>ML 1.1</b>
	e Sg	09:02:49.57		HN							<b>Lat</b>	<b>42.153°N</b>	<b>Lon</b>	<b>08.407°W</b>
	IAML	09:03:03.84		HZ	0.005	0.4							<b>Prof</b>	<b>25</b>
PMRV	e Pn	09:02:10.72		HZ							<b>Região:</b>	<b>NE Monção</b>	<b>Rms</b>	<b>0.5</b>
	e Sg	09:02:56.26		HE							<b>AxMax</b>	<b>17.5</b>	<b>AxMin</b>	<b>11.4</b>
	IAML	09:03:07.51		HZ	0.008	0.6				<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>
PMTG	e Pn	09:02:10.24		HZ						PGAV	e Pg	16:30:10.49		HZ
	e Sn	09:02:45.92		HN							e Sg	16:30:14.24		HN
	e Sg	09:02:57.92		HE							IAML	16:30:15.18		HZ
	IAML	09:03:13.14		HZ	0.005	0.6				PCAB	e Pg	16:30:15.88		EZ
PSARD	e Pn	09:02:15.71		HZ							e Sg	16:30:23.40		EN
	e Sn	09:02:56.79		HN							IAML	16:30:24.48		EZ
	e Sg	09:03:09.14		HN						POLO	e Sg	16:30:32.87		HE
	IAML	09:03:19.46		HZ	0.008	0.4					IAML	16:30:35.56		HZ
PSBE	e Pn	09:02:20.02		HZ						PBRG	e Sg	16:30:44.57		HE
PCAS	e Sg	09:03:28.40		HE							IAML	16:30:47.16		HZ
														0.002 0.2
<b>26-Jan</b>	<b>Ho</b>	<b>14:08:54.8</b>								<b>26-Jan</b>	<b>Ho</b>	<b>16:44:59.2</b>		<b>ML 1.9</b>
	<b>Lat</b>	<b>35.499°N</b>	<b>Lon</b>	<b>03.620°W</b>							<b>Lat</b>	<b>38.587°N</b>	<b>Lon</b>	<b>07.731°W</b>
					<b>Prof</b>	<b>21</b>							<b>Prof</b>	<b>12</b>
	<b>Região:</b>	<b>NE Al Hoceima (MARR)</b>			<b>Rms</b>	<b>0.5</b>					<b>Região:</b>	<b>E Evora</b>	<b>Rms</b>	<b>0.4</b>
	<b>AxMax</b>	<b>3.6</b>	<b>AxMin</b>	<b>2.5</b>	<b>Ang</b>	<b>133</b>	<b>ErrZ</b>	<b>6</b>			<b>AxMax</b>	<b>1.9</b>	<b>AxMin</b>	<b>1.2</b>
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp</i>	<i>Per</i>				<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>
PVAQ	e P	14:09:50.84		HZ						EVO	e Pg	16:45:03.92		HZ
	e S	14:10:34.71		H2							e Sg	16:45:07.34		HN
	IAML	14:10:44.85		HZ	0.005	0.7					IAML	16:45:07.51		HZ
PBAR	e P	14:09:51.45		HZ						PESTR	e Pg	16:45:05.04		HZ
	e S	14:10:33.67		HE							e Sg	16:45:09.26		HE
	IAML	14:10:39.81		HZ	0.003	0.5					IAML	16:45:09.46		HZ
PBDV	e P	14:09:52.05		HZ						PARRA	e Pg	16:45:05.47		HZ
	e S	14:10:36.31		HN							e Sg	16:45:10.04		HN
	IAML	14:10:42.99		HZ	0.006	0.5					IAML	16:45:10.46		HZ
PCVE	e P	14:09:55.63		HZ						MOE	e Pg	16:45:08.06		HZ
	e S	14:10:43.16		HN							e Sg	16:45:14.84		HE
	IAML	14:10:44.86		HZ	0.004	0.7					IAML	16:45:15.28		HZ
PBEJ	e P	14:09:57.17		EZ						PBEJ	e Pg	16:45:09.68		EZ
	e S	14:10:43.72		EN							e Sg	16:45:17.04		EE
PMONC	e S	14:10:47.85		H2							IAML	16:45:20.27		EZ
	IAML	14:10:50.71		HZ	0.011	0.2				PMTG	e Pg	16:45:10.12		HZ
MESJ	e P	14:09:59.32		HZ							e Sg	16:45:18.29		HE
	e S	14:10:47.70		HN							IAML	16:45:20.89		HZ
	IAML	14:10:50.64		HZ	0.003	0.4				PBAR	e Pg	16:45:11.34		HZ
MORF	e P	14:10:00.17		HZ							e Sg	16:45:20.37		HN
	e S	14:10:49.27		HN							IAML	16:45:23.03		HZ
	IAML	14:10:53.37		HZ	0.004	0.1				PLOUS	e P	16:45:13.38		HZ
PFVI	e P	14:10:01.28		HZ							e S	16:45:23.63		HN
	e S	14:10:50.53		HN							IAML	16:45:25.47		HZ
										MESJ	e P	16:45:14.49		HZ

PMRV	e S	16:45:25.48	HN	0.021	0.1	26-Jan	Ho 18:45:08.7	ML 2.0					
	IAML	16:45:26.96	HZ				Lat 43.655°N		Lon 06.191°W	Prof 24			
	e P	16:45:15.30	HZ				Região: NW Oviedo (ESP)		Rms 0.4				
	e S	16:45:26.78	HE				AxMax 3.4		AxMin 1.6	Ang 153	ErrZ 3		
PCVE	IAML	16:45:27.08	HZ	0.042	0.3	Est	Fase	P h:m:s	Dur	Co	Amp	Per	
	e P	16:45:17.29	HZ			PBRG	e Pn	18:45:38.55	HZ	0.007	0.6		
	e S	16:45:30.13	HN			e Sn	18:46:00.42	HN					
	IAML	16:45:30.63	HZ			e Sg	18:46:07.87	HN					
PSARD	e P	16:45:18.46	HZ	0.024	0.3	PGAV	IAML	18:46:14.98	HZ			0.007	0.6
	e S	16:45:32.86	HE				e Pn	18:45:43.76	HZ				
	IAML	16:45:34.60	HZ				e Sn	18:46:09.91	HN				
	e P	16:45:19.73	HZ				e Sg	18:46:19.25	HN				
PAZOI	e S	16:45:35.56	HN	0.022	0.2	PCAB	IAML	18:46:25.02	HZ	0.007	0.5		
	e Pn	16:45:20.84	HZ				e Pn	18:45:46.14	EZ				
	e Sn	16:45:36.09	H1				e Sn	18:46:11.92	EN				
	IAML	16:45:36.81	HZ				e Sg	18:46:21.43	EE				
PSBE	e Pg	16:45:21.91	HZ	0.015	1.0	MVO	IAML	18:46:24.65	EZ	0.012	0.3		
	e Sg	16:45:38.39	HN				e Pn	18:45:47.73	HZ				
	IAML	16:45:38.92	HZ				e Sn	18:46:16.94	HE				
	e Pg	16:45:22.22	EZ				e Sg	18:46:27.77	HE				
PCBR	e Sn	16:45:38.16	EE	0.009	0.2	POLO	IAML	18:46:32.35	HZ	0.005	0.3		
	IAML	16:45:39.06	EZ				e Pn	18:45:48.22	HZ				
	e Pn	16:45:21.98	HZ				e Sn	18:46:16.22	HE				
	e Sg	16:45:38.47	HN				e Sg	18:46:27.94	HN				
PMAFR	IAML	16:45:40.62	HZ	0.019	0.7	PVRL	IAML	18:46:32.67	HZ	0.001	1.0		
	e Pg	16:45:22.72	HZ				e Sn	18:46:18.06	EE				
	e Sg	16:45:39.40	HE				e Sg	18:46:30.17	EE				
	IAML	16:45:42.42	HZ				IAML	18:46:35.35	EZ				
PBDV	e Pg	16:45:23.68	HZ	0.009	0.3	PVIS	e Sn	18:46:32.61	HE	0.011	0.1		
	e Sg	16:45:40.86	HE				e Sg	18:46:48.14	HE				
	IAML	16:45:44.37	HZ										
	e Pn	16:45:23.47	HZ										
MORF	e Sg	16:45:44.53	HE	0.013	0.1	26-Jan							
	IAML	16:45:45.75	HZ			Est	Fase	P h:m:s	Dur	Co	Amp	Per	
	e Pg	16:45:27.22	HZ			PBDV	e Pg	18:46:03.27	HZ	0.011	0.4		
	e Sg	16:45:48.09	HN			e Sg	18:46:05.20	HN					
PCAS	IAML	16:45:53.10	HZ	0.004	0.2	PVAQ	e Pg	18:46:03.54	HZ			0.007	0.1
	e Pn	16:45:27.44	HZ			e Sg	18:46:05.81	H1					
	e Sg	16:45:50.12	HE			PCVE	e Sg	18:46:12.14	HN				
	IAML	16:46:01.19	HZ										
MTE	e Sg	16:45:54.40	HE	0.009	0.6	26-Jan	Ho 20:34:36.0	ML 1.8					
	IAML	16:45:58.80	HZ			Lat 36.916°N	Lon 10.149°W		Prof 5				
	e Sg	16:46:04.48	HE			Região: Gorringe	Rms 0.3						
	MVO	e Sg	16:46:19.84			HN	AxMax 9.0		AxMin 3.6	Ang 51	ErrZ 8		
PVIS	e Sg	16:46:23.97	HZ	0.004	0.6	Est	Fase	P h:m:s	Dur	Co	Amp	Per	
	IAML					PFVI	e P	20:34:55.83	HZ	0.019	0.1		
						e S	20:35:10.46	HN					
						IAML	20:35:12.47	HZ					
PVAQ	e Pg	16:50:19.11	HZ	0.002	0.1	MORF	e P	20:34:58.43	HZ			0.007	0.3
	e Sg	16:50:21.98	H2				e S	20:35:15.76	HN				
	IAML	16:50:22.84	HZ				IAML	20:35:18.00	HZ				
	e Pg	16:50:21.77	HZ				e P	20:34:59.08	HZ				
PCVE	e Sg	16:50:26.58	HN	0.003	0.6	PTEO	e S	20:35:16.61	HN	0.007	0.3		
	IAML	16:50:27.62	HE				IAML	20:35:17.16	HZ				
							e P	20:34:59.51	HZ				
							e S	20:35:17.82	H1				
26-Jan	Ho 18:44:57.7			ML 0.9	Prof 30	PLOUS	IAML	20:35:19.58	HZ	0.019	0.1		
	Lat 37.114°N	Lon 09.177°W					e P	20:35:05.28	HZ				
	Região: NW Cabo S.Vicente		Rms 0.1				e S	20:35:27.57	HE				
	AxMax 4.7	AxMin 2.8	Ang 62				ErrZ 2	IAML	20:35:30.64			HZ	
Est	Fase	P h:m:s	Dur	Co	Amp	Per							
PFVI	e Pg	18:45:04.48	HZ	0.006	0.5	MESJ	e P	20:35:05.75	HZ	0.003	0.2		
	e Sg	18:45:09.73	HN				e S	20:35:28.33	HE				
	IAML	18:45:10.16	HZ				IAML	20:35:30.20	HZ				
	e Pg	18:45:06.87	HZ				PBDV	e P	20:35:06.05			HZ	
MORF	e Sg	18:45:13.87	HE	0.003	0.6	PCVE	e S	20:35:27.92	HN	0.004	0.4		
	IAML	18:45:14.10	HZ				e P	20:35:06.40	HZ				
	e P	18:45:08.36	HZ				e S	20:35:29.16	HE				
	e S	18:45:16.61	HE				IAML	20:35:33.33	HZ				
PBDV	e S	18:45:27.10	HN	0.004	0.2	PVAQ	e P	20:35:08.78	HZ	0.002	0.2		
	PCVE	e S	18:45:27.99				HN	e S	20:35:33.06			H1	
	PLOUS	e S	18:45:29.09				HE	IAML	20:35:35.18			HZ	
	PVAQ	e S	18:45:31.34				H2	IAML	20:35:38.37			EZ	
PBEJ	e S	18:45:35.95	EE	0.005	0.2	PMAFR	e S	20:35:37.55	HE	0.005	0.2		
	PARRA	e S	18:45:48.70				HN	MOE	e P			20:35:11.17	HZ
							e S	20:35:36.79	HE				
							IAML	20:35:38.08	HZ				
26-Jan	Ho 18:44:57.7			ML 0.9	Prof 30	EVO	e S	20:35:41.20	HN	0.006	0.3		
	Lat 37.114°N	Lon 09.177°W					IAML	20:35:42.08	HZ				
	Região: NW Cabo S.Vicente		Rms 0.1										
	AxMax 4.7	AxMin 2.8	Ang 62				ErrZ 2						



PARRA	e P	20:35:15.61	HZ						e S	21:38:23.28	HE				
	e S	20:35:45.60	HN						IAML	21:38:26.38	HZ	0.003	0.4		
	IAML	20:35:46.98	HZ	0.002	0.2				MESJ	e P	21:38:08.29	HZ			
PMTG	e P	20:35:16.74	HZ							e S	21:38:27.69	HN			
	e S	20:35:47.71	HN						IAML	21:38:28.78	HZ	0.003	0.4		
	IAML	20:35:49.92	HZ	0.003	0.3				PLOUS	e P	21:38:10.40	HZ			
PBAR	e P	20:35:19.29	HZ							e S	21:38:32.17	HE			
	e S	20:35:51.57	HE						PBEJ	e P	21:38:11.43	EZ			
	IAML	20:35:56.30	HZ	0.001	0.6					e S	21:38:33.70	EN			
PESTR	e P	20:35:19.71	HZ						PBAR	e P	21:38:17.53	HZ			
	e S	20:35:53.49	HN							e S	21:38:42.85	HE			
PSBE	e S	20:35:52.93	HE							IAML	21:38:50.01	HZ	0.002	0.8	
PSARD	e P	20:35:24.20	HZ						MOE	e P	21:38:17.38	HZ			
	e S	20:35:59.12	HE							e S	21:38:44.26	HE			
	IAML	20:36:00.42	HZ	0.004	0.2				EVO	e S	21:38:43.86	HN			
PMRV	e P	20:36:26.17	HZ							IAML	21:38:44.80	HZ	0.002	0.1	
	e S	20:36:03.77	HE						PARRA	e P	21:38:21.47	HZ			
	IAML	20:36:06.41	HZ	0.002	0.4					e S	21:38:50.21	HN			
PCBR	e S	20:36:10.73	EE							IAML	21:38:53.36	HZ	0.001	0.6	
MVO	e S	20:36:42.16	HE						PMTG	e P	21:38:24.97	HZ			
PGAV	e S	20:36:50.50	HN							e S	21:38:56.25	HE			
										IAML	21:38:58.19	HZ	0.002	0.7	
									PMRV	e P	21:38:31.19	HZ			
										e S	21:39:07.05	HN			

**26-Jan Ho 21:28:44.6 ML 2.4**  
**Lat 43.113°N Lon 00.694°W Prof 20**  
**Região: Pirenéus (ESP) Rms 0.5**  
**AxMax 2.0 AxMin 1.3 Ang 4 ErrZ 3**

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PBRG	e Pn	21:29:53.65	HZ			
	e Sn	21:30:45.32	HE			
	IAML	21:31:23.25	HZ	0.003	0.4	
MVO	e Pn	21:30:00.02	HZ			
	e Sn	21:30:56.36	HN			
	e Sg	21:31:23.11	HN			
	IAML	21:31:26.49	HZ	0.006	0.7	
POLO	e Pn	21:30:05.93	HZ			
	e Sn	21:31:06.79	HE			
	e Sg	21:31:35.49	HE			
PGAV	e Pn	21:30:08.03	HZ			
	e Sn	21:31:10.50	HE			
PCBR	e Pn	21:30:12.84	EZ			
	e Sn	21:31:18.94	EN			
	IAML	21:32:05.98	EZ	0.003	0.4	
PMRV	e Pn	21:30:15.04	HZ			
	e Sn	21:31:23.46	HE			
	IAML	21:32:06.54	HZ	0.002	0.4	
PSARD	e Pn	21:30:20.52	HZ			
	e Sn	21:31:32.91	HN			
PESTR	e Pn	21:30:21.41	HZ			
	e Sn	21:31:34.27	HN			
PBAR	e Pn	21:30:24.04	HZ			
	e Sn	21:31:38.97	HE			
PMTG	e Sn	21:31:41.11	HE			
PARRA	e Pn	21:30:25.09	HZ			
	e Sn	21:31:42.12	HE			
EVO	e Pn	21:30:27.87	HZ			
	e Sn	21:31:44.85	HE			
MOE	e Pn	21:30:30.16	HZ			
	e Sn	21:31:51.63	HE			
PLOUS	e Pn	21:30:35.81	HZ			

**26-Jan Ho 21:37:42.4 ML 1.5**  
**Lat 36.180°N Lon 08.557°W Prof 31**  
**Região: SE Cabo S.Vicente Rms 0.4**  
**AxMax 6.6 AxMin 5.0 Ang 50 ErrZ 12**

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PFVI	e P	21:37:58.45	HZ			
	e S	21:38:10.71	HE			
MORF	e P	21:38:00.46	HZ			
	e S	21:38:14.00	HE			
	IAML	21:38:18.54	HZ	0.009	0.1	
PBDV	e P	21:38:01.37	HZ			
	e S	21:38:15.95	HE			
PTEO	e P	21:38:03.84	HZ			
	e S	21:38:20.54	HN			
PVAQ	e P	21:38:04.16	HZ			
	e S	21:38:20.28	H2			
	IAML	21:38:27.98	HZ	0.003	0.6	
PCVE	e P	21:38:06.12	HZ			

**26-Jan Ho 23:40:02.7 ML 1.5**  
**Lat 35.420°N Lon 03.828°W Prof 0**  
**Região: NE Al Hoceima (MARR) Rms 0.3**  
**AxMax 11.9 AxMin 4.4 Ang 88 ErrZ 12**

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PVAQ	e P	23:41:00.15	HZ			
	e S	23:41:43.53	H1			
PBAR	e P	23:41:01.08	HZ			
	e S	23:41:43.98	HN			
PARRA	e P	23:41:14.80	HZ			

**27-Jan Ho 02:34:41.1 ML 1.3**  
**Lat 41.938°N Lon 08.775°W Prof 19**  
**Região: W Vila Nova de Cerveira Rms 0.3**  
**AxMax 4.8 AxMin 1.8 Ang 76 ErrZ 3**

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PGAV	e Pg	02:34:48.65	HZ			
	e Sg	02:34:54.10	HN			
	IAML	02:34:54.50	HZ	0.010	0.1	
PCAB	e Pg	02:34:52.51	EZ			
	e Sg	02:35:00.72	EN			
	IAML	02:35:02.21	EZ	0.024	0.1	
PTO	e Sg	02:35:06.96	EN			
POLO	e P	02:34:57.65	HZ			
	e S	02:35:10.09	HN			
	IAML	02:35:10.13	HZ	0.001	0.2	
PVRL	e S	02:35:13.47	EN			
	IAML	02:35:14.52	EZ	0.007	0.1	
PVIS	e Sg	02:35:24.26	HE			
MVO	e Sg	02:35:28.24	HE			
	IAML	02:35:32.42	HZ	0.002	0.3	
MTE	e Sg	02:35:36.36	HE			

**27-Jan Ho 03:12:38.5 ML 0.6**  
**Lat 39.105°N Lon 07.449°W Prof 2\***  
**Região: NW Monforte Rms 0.4**  
**AxMax 4.0 AxMin 1.5 Ang 98 ErrZ 0**

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PESTR	e Pg	03:12:43.36	HZ			
	e Sg	03:12:46.97	HN			
	IAML	03:12:47.36	HZ	0.004	0.3	
PMRV	e Pg	03:12:44.37	HZ			
	e Sg	03:12:48.70	HE			
	IAML	03:12:49.04	HZ	0.008	0.3	
PARRA	e Pg	03:12:48.66	HZ			
	e Sg	03:12:55.86	HE			
	IAML	03:13:03.07	HZ	0.002	0.8	
PMTG	e Pg	03:12:49.79	HZ			
	e Sg	03:12:57.66	HE			
	IAML	03:13:00.41	HZ	0.002	0.6	
EVO	e P	03:12:51.39	HZ			
	e S	03:13:02.30	HN			
	IAML	03:13:05.08	HZ	0.002	0.3	

PCBR	e	S	03:13:01.94	EN					e	S	04:24:40.50	HN			
MOE	e	S	03:13:07.71	HE						IAML	04:24:41.95	HZ	0.004	0.2	
PBAR	e	P	03:12:56.93	HZ					PTEO	e	P	04:23:47.76	HZ		
	e	S	03:13:09.79	HN						e	S	04:24:45.10	HN		
		IAML	03:13:13.54	HZ	0.001	0.2			PBAR	e	P	04:23:48.60	HZ		
PBEJ	e	S	03:13:13.90	EN						e	S	04:24:46.29	HN		
PCAS	e	S	03:13:18.12	HE							IAML	04:24:49.90	HZ	0.003	0.2
MTE	e	P	03:13:02.78	HZ					MESJ	e	P	04:23:48.82	HZ		
	e	S	03:13:19.47	HE						e	S	04:24:46.88	HN		
PLOUS	e	S	03:13:20.49	HE							IAML	04:24:54.15	HZ	0.004	0.7
PCVE	e	Sg	03:13:27.38	HN					PBEJ	e	P	04:23:49.55	EZ		
PVAQ	e	Sg	03:13:31.89	H2						e	S	04:24:47.78	EE		
PTEO	e	Sg	03:13:36.63	HN							IAML	04:24:52.06	EZ	0.002	0.3
									PLOUS	e	P	04:23:52.30	HZ		
27-Jan	Ho	04:07:32.8		ML	1.0					e	S	04:24:52.10	HE		
	Lat	37.301°N	Lon	08.554°W	Prof	18					IAML	04:25:08.49	HZ	0.003	0.6
	Região:	SE Monchique			Rms	0.3			EVO	e	P	04:23:56.54	HZ		
	AxMax	2.4	AxMin	1.8	Ang	127	ErrZ	3		e	S	04:25:00.58	HN		
Est	Fase	P	h:m:s	Dur	Co	Amp	Per				IAML	04:25:01.31	HZ	0.003	0.1
PMONC	e	Pg	04:07:35.59		HZ				MOE	e	P	04:23:58.08	HZ		
	e	Sg	04:07:38.05		H2					e	S	04:25:02.21	HE		
		IAML	04:07:40.83		HZ	0.019	0.1				IAML	04:25:05.64	HZ	0.004	0.6
MORF	e	Pg	c 04:07:35.86		HZ				PESTR	e	P	04:23:59.81	HZ		
	e	Sg	04:07:38.75		HE					e	S	04:25:05.16	HE		
		IAML	04:07:39.63		HZ	0.009	0.2		PARRA	e	P	04:23:59.87	HZ		
PFVI	e	Pg	04:07:38.50		HZ					e	S	04:25:06.88	HE		
	e	Sg	04:07:42.66		HN						IAML	04:25:08.82	HZ	0.002	0.6
		IAML	04:07:44.49		HZ	0.011	1.1		PMRV	e	P	04:24:05.95	HZ		
PTEO	e	Pg	04:07:38.86		HZ					e	S	04:25:15.93	HE		
	e	Sg	04:07:43.24		HN				PSARD	e	P	04:24:11.04	HZ		
		IAML	04:07:43.84		HZ	0.008	0.2			e	S	04:25:25.46	HE		
PBDV	e	Pg	04:07:42.43		HZ						IAML	04:25:27.19	HZ	0.003	0.2
	e	Sg	04:07:49.53		HN				PCBR	e	P	04:24:11.67	EZ		
		IAML	04:07:51.24		HZ	0.005	0.7			e	S	04:25:26.88	EN		
PCVE	e	Pg	04:07:42.96		HZ						IAML	04:25:26.91	EZ	0.002	0.3
	e	Sg	04:07:50.38		HE				MTE	e	P	04:24:19.51	HZ		
		IAML	04:07:51.41		HZ	0.003	0.7			e	S	04:25:41.66	HN		
MESJ	e	Pg	04:07:44.25		HZ				MVO	e	P	04:24:29.05	HZ		
	e</														

27-Jan							MTE	e	Sg	10:37:36.33	HN				
Est	Fase	P	h:m:s	Dur	Co	Amp	Per		IAML	10:37:44.25	HZ	0.009	0.5		
PARRA	e	Pg	08:56:28.46		HZ			PVIS	e	Sg	10:37:48.36	HN			
			08:56:30.90		HN			PARRA	e	Sg	10:37:45.65	HN			
		IAML	08:56:31.24		HZ	0.006	0.7		IAML	10:37:56.75	HZ	0.005	0.8		
MOE	e	Pg	08:56:33.57		HZ			PSARD	e	Sg	10:37:47.78	HE			
			08:56:39.60		HN				IAML	10:37:59.02	HZ	0.010	0.6		
PESTR	e	Sg	08:56:34.43		HE			PVAQ	e	Pn	10:36:12.81	HZ			
PMTG	e	Sg	08:56:38.69		HE				e	Sn	10:37:18.03	H2			
PSARD	e	S	08:56:52.98		HN				IAML	10:38:15.40	HZ	0.004	0.6		
							PMTG	e	Pn	10:36:13.87	HZ				
27-Jan	Ho	10:28:54.4			ML 2.9			PCVE	e	Sn	10:37:22.01	HN			
	Lat	39.232°N			Lon 00.653°W		Prof 13		IAML	10:38:08.77	HZ	0.004	0.6		
	Região: SW Valência (ESP)						Rms 0.4	PLOUS	e	Sn	10:37:27.95	HN			
	AxMax	2.0	AxMin	1.2	Ang	97	ErrZ 3		IAML	10:38:07.85	HZ	0.006	0.6		
Est	Fase	P	h:m:s	Dur	Co	Amp	Per								
PBAR	e	Pn	10:30:09.47		HZ			27-Jan	Ho	13:57:43.6			ML 3.2		
			10:31:06.77		HE				Lat	42.497°N			Lon 09.351°W	Prof 2*	
			10:31:32.76		HE				Região: Costa da Galiza (ESP)						Rms 0.5
		IAML	10:31:45.87		HZ	0.015	0.7		AxMax	4.4	AxMin	2.5	Ang 106	ErrZ 0	
PMRV	e	Sn	10:31:09.25		HE			Est	Fase	P	h:m:s	Dur	Co	Amp	Per
			10:31:36.17		HE			PGAV	e	P	d	13:58:01.60	HZ		
		IAML	10:31:49.50		HZ	0.015	0.5		e	S		13:58:16.39	HE		
MVO	e	Sn	10:31:08.37		HE				IAML		13:58:18.09	HZ	0.848	0.5	
			10:31:38.80		HE			PCAB	e	P	c	13:58:06.16	EZ		
		IAML	10:31:48.21		HZ	0.012	0.6		e	S		13:58:25.42	EE		
PBRG	e	Sn	10:31:09.82		HE				IAML		13:58:26.90	EZ	1.320	0.1	
			10:31:40.76		HN			PTO	e	P		13:58:10.14	EZ		
		IAML	10:31:50.09		HZ	0.007	0.6		e	S		13:58:27.98	EE		
PCBR	e	Sg	10:31:36.71		EN				IAML		13:58:32.85	EZ	0.488	0.1	
		IAML	10:31:49.36		EZ	0.009	0.5	POLO	e	Pn		13:58:11.08	HZ		
PESTR	e	Sg	10:31:43.15		HE				e	Sg		13:58:35.48	HN		
		IAML	10:31:53.19		HZ	0.011	0.6		IAML		13:58:37.50	HZ	0.143	0.5	
MTE	e	Sn	10:31:13.02		HN			PVRL	e	Pg		13:58:15.04	EZ		
			10:31:42.64		HN				e	Sg		13:58:38.84	EE		
		IAML	10:31:50.65		HZ	0.016	0.4		IAML		13:58:42.75	EZ	0.519	0.1	
PVIS	e	Sg	10:31:53.82		HN			PBRG	e	Pn		13:58:17.06	HZ		
PARRA	e	Sg	10:31:54.07		HN				e	Sg		13:58:49.10	HN		
		IAML	10:32:03.49		HZ	0.009	0.8		IAML		13:58:55.29	HZ	0.166	0.6	
PBEJ	e	Sg	10:31:55.88		EN			PVIS	e	Pn		13:58:18.07	HZ		
PSARD	e	Sg	10:31:55.62		HN				e	Sg		13:58:50.47	HN		
		IAML	10:32:09.13		HZ	0.018	0.9	MVO	e	Pn		13:58:18.91	HZ		
PVAQ	e	Pn	10:30:19.06		HZ				e	Sg		13:58:52.88	HN		
			10:31:24.20		H2				IAML		13:58:57.00	HZ	0.194	0.8	
		IAML	10:32:04.75		HZ	0.005	0.4	COI	e	Pn		13:58:24.76	HZ		
POLO	e	Sg	10:31:58.88		HN				e	Sn		13:58:50.28	HE		
		IAML	10:32:16.46		HZ	0.004	0.5		e	Sg		13:58:58.98	HE		
PMTG	e	Sg	10:31:57.23		HN				IAML		13:59:08.00	HZ	0.131	0.2	
		IAML	10:32:02.50		HZ	0.012	0.4	MTE	e	Pn		13:58:23.95	HZ		
PCVE	e	Pn	10:30:21.61		HZ				e	Sg		13:59:02.79	HE		
			10:31:28.32		HN				IAML		13:59:07.59	HZ	0.269	0.3	
		IAML	10:32:14.95		HZ	0.006	0.6	PCAS	e	Pn		13:58:23.31	HZ		
MOE	e	Sn	10:31:29.60		HN				e	Sn		13:58:52.78	HE		
			10:32:03.13		HN				e	Sg		13:59:04.16	HN		
		IAML	10:32:12.18		HZ	0.013	0.7		IAML		13:59:09.99	HZ	0.125	0.6	
PCAS	e	Sg	10:32:04.77		HN			PCBR	e	Pn		13:58:30.65	EZ		
		IAML	10:32:15.36		HZ	0.013	0.5		e	Sn		13:59:05.37	EE		
PGAV	e	Pn	10:30:27.89		HZ				e	Sg		13:59:18.57	EE		
									IAML		13:59:25.10	EZ	0.074	0.5	
27-Jan	Ho	10:34:47.9			ML 2.7			PSBE	e	Pn		13:58:29.99	HZ		
	Lat	39.224°N			Lon 00.688°W		Prof 7		e	Sn		13:59:04.57	HN		
	Região: SW Valência (ESP)						Rms 0.4		IAML		13:59:28.39	HZ	0.067	0.4	
	AxMax	1.8	AxMin	1.1	Ang	107	ErrZ 2	PSARD	e	Pn		13:58:30.36	HZ		
Est	Fase	P	h:m:s	Dur	Co	Amp	Per		e	Sn		13:59:05.49	HN		
PBAR	e	Pn	10:36:03.12		HZ				IAML		13:59:25.33	HZ	0.148	0.2	
			10:37:00.20		HE			PMRV	e	Pn		13:58:35.90	HZ		
			10:37:29.75		HN				e	Sn		13:59:14.64	HN		
		IAML	10:37:39.59		HZ	0.009	0.7		e	Sg		13:59:30.86	HN		
PMRV	e	Sn	10:37:02.74		HN				IAML		13:59:38.47	HZ	0.043	0.3	
			10:37:29.59		HN			PMTG	e	Pn		13:58:36.83	HZ		
		IAML	10:37:43.32		HZ	0.010	0.5		e	Sn		13:59:15.88	HE		
MVO	e	Pn	10:36:05.33		HZ				IAML		13:59:42.30	HZ	0.023	0.2	
			10:37:02.97		HN			PMAFR	e	Pn		13:58:36.71	HZ		
		IAML	10:37:42.26		HZ	0.009	0.6		e	Sn		13:59:15.30	HE		
PCBR	e	Sg	10:37:33.06		EN				IAML		13:59:18.35	HZ	0.055	0.2	
		IAML	10:37:42.98		EZ	0.006	0.5	PARRA	e	Pn		13:58:40.74	HZ		
PESTR	e	Sg	10:37:36.18		HN				e	Sn		13:59:24.05	HE		
		IAML	10:37:46.48		HZ	0.007	0.5		e	Sg		13:59:42.70	HN		

PESTR	IAML	13:59:47.19	HZ	0.026	0.2	COI	e Pn	14:44:48.30	HZ		
	e Pn	13:58:43.39	HZ				e Sn	14:45:16.57	HN		
	e Sn	13:59:24.87	HN				e Sg	14:45:25.40	HN		
	e Sg	13:59:44.74	HN				IAML	14:45:42.20	HZ	0.989	0.7
MOE	IAML	13:59:50.55	HZ	0.039	0.6	MTE	e Pn	14:44:49.97	HZ		
	e Pn	13:58:43.79	HZ				e Pg	14:44:55.58	HZ		
	e Sn	13:59:28.11	HN				e Sg	14:45:29.50	HN		
	IAML	13:59:30.98	HZ	0.032	0.3		IAML	14:45:33.73	HZ	1.996	0.5
PAZOI	e Pn	13:58:43.88	HZ			PCAS	e Pn	c 14:44:49.84	HZ		
	e Sn	13:59:28.70	HN				e Sn	14:45:20.15	HN		
	IAML	13:59:30.03	HZ	0.014	0.5		e Sg	14:45:30.65	HE		
EVO	e Pn	13:58:44.59	HZ				IAML	14:45:36.62	HZ	0.757	0.6
	e Sn	13:59:29.27	HE			PSBE	e Pn	14:44:56.62	HZ		
	IAML	13:59:32.33	HZ	0.035	0.1		e Sn	14:45:32.00	HN		
PLOUS	e Pn	13:58:50.36	HZ				IAML	14:45:56.53	HZ	0.489	0.5
	e Sn	13:59:40.01	HN			PCBR	e Pn	14:44:57.01	EZ		
	IAML	14:00:11.00	HZ	0.014	0.4		e Sn	14:45:32.03	EE		
PBEJ	e Pn	13:58:52.14	EZ				e Sg	14:45:45.14	EE		
	e Sn	13:59:42.66	EN				IAML	14:46:00.76	EZ	0.536	0.5
	IAML	14:00:16.45	EZ	0.014	0.5	PSARD	e Pn	d 14:44:56.88	HZ		
PBAR	e Pn	13:58:53.02	HZ				e Sn	14:45:32.17	HN		
	e Sn	13:59:43.49	HN				e Sg	14:45:48.89	HE		
	IAML	14:00:20.53	HZ	0.023	0.4		IAML	14:45:51.85	HZ	0.735	0.9
MESJ	e Pn	13:59:53.37	HZ			PMRV	e Pn	14:45:02.46	HZ		
	e Sn	13:59:44.85	HN				e Sn	14:45:41.12	HN		
	IAML	14:00:22.81	HZ	0.016	0.5		e Sg	14:45:59.17	HE		
PCVE	e Pn	13:58:56.56	HZ				IAML	14:46:12.77	HZ	0.285	0.5
	e Sn	13:59:50.28	HE			PMAFR	e Pn	14:45:03.35	HZ		
	IAML	14:00:28.39	HZ	0.011	0.4		e Sn	14:45:42.24	HE		
PTEO	e Pn	13:58:56.78	HZ				IAML	14:46:18.95	HZ	0.235	0.5
	e Sn	13:59:51.49	HE			PMTG	e Pn	14:45:03.41	HZ		
	IAML	13:59:54.25	HZ	0.020	0.7		e Sn	14:45:43.91	HN		
MORF	e Pn	13:59:00.28	HZ				e Sg	14:46:02.49	HZ		
	e Sn	13:59:56.59	HE				IAML	14:46:07.79	HZ	0.165	0.5
	IAML	14:00:02.27	HZ	0.015	0.1	GGNV	e Pn	14:45:09.08	HZ		
PMONC	e Pn	13:58:59.38	HZ				e Sn	14:45:49.01	HN		
	e Sn	13:59:57.22	H2			PARRA	e Pn	14:45:07.26	HZ		
	IAML	14:00:00.65	HZ	0.024	0.2		e Sn	14:45:50.53	HE		
PVAQ	e Pn	13:59:00.60	HZ				e Sg	14:46:11.33	HE		
	e Sn	13:59:55.90	H2				IAML	14:46:18.18	HZ	0.187	0.4
	IAML	14:00:43.07	HZ	0.017	0.8	PESTR	e Pn	14:45:08.43	HZ		
PBDV	e Pn	13:59:02.33	HZ				e Sn	14:45:51.65	HN		
	e Sn	13:59:59.46	HN				e Sg	14:46:11.25	HN		
	IAML	14:00:03.58	HZ	0.013	0.2		IAML	14:46:17.19	HZ	0.339	0.6
PFVI	e Pn	13:59:02.33	HZ			MOE	e Pn	14:45:10.15	HZ		
	e Sn	13:59:59.88	HN				e Sn	14:45:55.47	HE		
	IAML	14:00:04.12	HZ	0.012	0.5		IAML	14:46:30.19	HZ	0.300	0.5
<hr/>											
27-Jan	Ho	14:44:10.0									
	Lat	42.477°N	Lon	09.418°W	Prof	2*					
	Região:	Costa da Galiza (ESP)			Rms	0.4					
	Sentido:	III Valença (Viana do Castelo)									
	AxMax	5.0	AxMin	2.5	Ang	105	ErrZ	0			
Est	Fase	P h:m:s	Dur	Co	Amp	Per					
PGAV	e P	d 14:44:28.20		HZ							
	e S	14:44:42.11		HN							
	IAML	14:44:44.77		HZ	5.877	0.4					
PCAB	e Pn	d 14:44:32.69		EZ			PBEJ	e Pn	14:45:18.23	EZ	
	e Sg	14:44:51.73		EN				e Sn	14:46:09.39	EN	
	IAML	14:44:53.96		EZ	6.226	0.5		e Sg	14:46:39.98	EE	
PTO	e Pn	14:44:35.99		EZ				IAML	14:46:43.03	EZ	0.106
	e Sn	14:44:54.70		EE			PBAR	e Pn	14:45:19.52	HZ	
	IAML	14:45:02.31		EZ	2.227	0.6		e Sn	14:46:10.77	HN	
POLO	e Pn	d 14:44:37.62		HZ				e Sg	14:46:40.50	HN	
	e Sg	14:45:02.05		HN				IAML	14:46:53.27	HZ	0.178
	IAML	14:45:04.21		HZ	0.748	0.3	MESJ	e Pn	14:45:19.89	HZ	
PVRL	e Pn	14:44:39.71		EZ				e Sn	14:46:11.84	HE	
	e Sg	14:45:05.25		EE				IAML	14:46:49.27	HZ	0.108
	IAML	14:45:06.55		EZ	1.627	0.6	PCVE	e Pn	14:45:22.99	HZ	
PVIS	e Pn	14:44:44.61		HZ				e Sn	14:46:16.77	HE	
	e Sg	14:45:16.52		HE				IAML	14:46:55.00	HZ	0.074
PBRG	e Pn	14:44:43.77		HZ			PTEO	e Pn	14:45:23.39	HZ	
	e Sg	14:45:15.50		HN				e Sn	14:46:18.12	HE	
	IAML	14:45:21.96		HZ	1.302	0.5		IAML	14:46:59.05	HZ	0.145
MVO	e Pn	d 14:44:45.41		HZ			MORF	e Pn	14:45:26.84	HZ	
	e Pg	14:44:50.67		HZ				e Sn	14:46:22.77	HN	
	e Sg	14:45:19.49		HN				IAML	14:46:26.22	HZ	0.053
	IAML	14:45:26.03		HZ	1.520	0.5	PMONC	e Pn	14:45:26.90	HZ	
								e Sn	14:46:23.29	H2	



	e S	22:46:00.90	HE					MESJ	e P	00:43:29.03	BZ		
	IAML	22:46:06.57	HZ	0.004	0.5				IAMB	00:43:50.14	BZ	0.058	2.1
PTO	e P	22:44:50.50	EZ						i -	00:43:56.77	BZ		
PCAB	e S	22:46:11.01	EN					PCVE	e P	00:43:28.88	BZ		
PGAV	e P	22:44:58.95	HZ						e -	00:43:57.08	BZ		
	e S	22:46:17.57	HE						IAMB	00:44:01.86	BZ	0.057	1.8
	IAML	22:46:23.22	HZ	0.005	0.4			PVAQ	e P	00:43:29.40	BZ		
									i -	00:43:36.36	BZ		
									IAMB	00:43:56.09	BZ	0.062	1.9
									e S	00:53:30.53	L2		
									IAMS_20	01:15:20.94	LZ	0.238	22
								MOE	e P	00:43:30.06	BZ		
									i -	00:43:58.11	BZ		
									IAMB	00:43:59.31	BZ	0.087	1.4
								PBEJ	e P	00:43:30.54	SZ		
									i -	00:43:58.62	SZ		
									IAMB	00:43:59.60	SZ	0.059	1.8
								EVO	e P	00:43:31.05	BZ		
									i -	00:43:59.14	BZ		
									IAMB	00:44:01.29	BZ	0.054	1.3
								PSBE	e P	00:43:31.12	BZ		
									i -	00:43:59.39	BZ		
									IAMB	00:44:01.64	BZ	0.074	1.4
								PARRA	e P	00:43:31.84	BZ		
									i -	00:43:59.81	BZ		
									IAMB	00:44:00.56	BZ	0.068	1.2
								PMTG	e P	00:43:31.99	BZ		
									i -	00:43:59.90	BZ		
									IAMB	00:44:01.20	BZ	0.092	1.5
								PBAR	e P	00:43:33.48	BZ		
									i -	00:44:01.60	BZ		
									IAMB	00:44:02.74	BZ	0.057	2.0
								PESTR	e P	00:43:33.91	BZ		
									i -	00:44:01.65	BZ		
									IAMB	00:44:03.82	BZ	0.060	1.5
								PSARD	e P	00:43:33.62	BZ		
									i -	00:44:01.49	BZ		
									IAMB	00:44:03.47	BZ	0.096	1.4
								PCAS	e P	00:43:34.06	BZ		
									i -	00:44:02.02	BZ		
									IAMB	00:44:03.03	BZ	0.062	2.1
								COI	e P	00:43:35.01	BZ		
									i -	00:44:02.65	BZ		
									IAMB	00:44:03.75	BZ	0.102	1.6
								PMRV	e P	00:43:35.14	BZ		
									IAMB	00:43:36.35	BZ	0.025	1.9
									e S	00:53:43.20	LN		
									IAMS_20	01:17:35.69	LZ	0.140	20
								PTO	e P	00:43:36.41	SZ		
									IAMB	00:43:37.17	SZ	0.063	1.2
									e -	00:44:04.16	SZ		
								PCBR	e P	00:43:36.48	SZ		
									e -	00:44:04.06	SZ		
									IAMB	00:44:29.75	SZ	0.040	1.6
								PVIS	e P	00:43:38.32	BZ		
								MTE	e P	00:43:37.98	BZ		
									e -	00:44:06.10	BZ		
									IAMB	00:44:07.71	BZ	0.080	1.3
									e S	00:53:48.24	LN		
									IAMS_20	01:16:51.95	LZ	0.125	20
								POLO	e P	00:43:39.54	BZ		
									IAMB	00:43:42.95	BZ	0.027	1.6
									e -	00:44:07.90	BZ		
								PVRL	e P	00:43:39.54	SZ		
									i -	00:44:07.53	SZ		
									IAMB	00:44:09.64	SZ	0.066	1.8
								PGAV	e P	00:43:39.84	BZ		
									IAMB	00:44:10.76	BZ	0.096	1.7
								PCAB	e P	00:43:39.99	SZ		
									e -	00:44:07.58	SZ		
									IAMB	00:44:08.84	SZ	0.086	1.9
								MVO	e P	00:43:41.83	BZ		
									e -	00:44:09.78	BZ		
									IAMB	00:44:11.81	BZ	0.104	1.5
								PBRG	e P	00:43:44.33	BZ		
									i -	00:44:12.21	BZ		
									IAMB	00:44:14.47	BZ	0.128	1.6

<b>28-Jan</b>	<b>Ho</b>	<b>02:20:01.5</b>			<b>ML 2.0</b>
	<b>Lat</b>	<b>35.513°N</b>	<b>Lon</b>	<b>03.625°W</b>	<b>Prof 14</b>
	<b>Região: Alboran</b>				<b>Rms 0.3</b>
	<b>AxMax</b>	<b>2.3</b>	<b>AxMin</b>	<b>2.0</b>	<b>Ang 137</b>
					<b>ErrZ 5</b>
<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	02:20:58.51		HZ	
	e Sn	02:21:41.78		H1	
	IAML	02:21:49.32		HZ	0.003 0.8
PBAR	e Sn	02:21:41.45		HE	
PBDV	e Pn	02:20:59.43		HZ	
	e Sn	02:21:43.67		HN	
	IAML	02:21:47.17		HZ	0.005 0.7
PCVE	e Sn	02:21:50.79		HE	
MESJ	e Pn	02:21:06.77		HZ	
PTEO	e Pn	02:21:09.92		HZ	
	e Sn	02:22:02.03		HN	
PLOUS	e Pn	02:21:09.94		HZ	
EVO	e Pn	02:21:10.56		HZ	
PARRA	e Pn	02:21:14.42		HZ	

<b>28-Jan</b>	<b>Ho</b>	<b>03:34:53.4</b>			<b>ML 1.5</b>
	<b>Lat</b>	<b>36.949°N</b>	<b>Lon</b>	<b>10.127°W</b>	<b>Prof 7*</b>
	<b>Região: Gorringer</b>				<b>Rms 0.3</b>
	<b>AxMax</b>	<b>7.0</b>	<b>AxMin</b>	<b>4.0</b>	<b>Ang 60</b>
					<b>ErrZ 0</b>
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp Per</i>
PFVI	e P	03:35:12.23		HZ	
	e S	03:35:26.90		HE	
MORF	e S	03:35:31.65		HE	
PTEO	e S	03:35:33.10		HE	
PAZOI	e S	03:35:41.80		HN	
PLOUS	e S	03:35:43.98		HN	
	IAML	03:35:46.55		HZ	0.002 0.8
PBDV	e S	03:35:44.44		HE	
PCVE	e S	03:35:45.73		HN	
PVAQ	e P	03:35:25.66		HZ	
	e S	03:35:49.61		H1	
PBEJ	e S	03:35:52.95		EE	
MOE	e P	03:35:27.90		HZ	
	e S	03:35:53.11		HN	
EVO	e S	03:35:57.62		HN	
	IAML	03:35:59.48		HZ	0.002 0.1
PARRA	e S	03:36:01.84		HN	
PMTG	e P	03:35:33.83		HZ	
	e S	03:36:03.75		HN	
PBAR	e S	03:36:08.00		HE	
PESTR	e S	03:36:08.63		HN	
PSBE	e S	03:36:09.76		HN	
PSARD	e S	03:36:15.56		HN	
	IAML	03:36:21.87		HZ	0.003 0.5
PMRV	e P	03:35:43.35		HZ	
	e S	03:36:20.47		HE	
PCBR	e S	03:36:26.52		EZ	

<b>28-Jan</b>	<b>Ho</b>	<b>04:09:44.8</b>			<b>ML 2.2</b>
	<b>Lat</b>	<b>33.124°N</b>	<b>Lon</b>	<b>04.062°W</b>	<b>Prof 12</b>
	<b>Região: SE Fez (Marr)</b>				<b>Rms 0.3</b>
	<b>AxMax</b>	<b>5.1</b>	<b>AxMin</b>	<b>3.6</b>	<b>Ang 115</b>
					<b>ErrZ 7</b>
<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	04:11:01.29		HZ	
	e Sn	04:11:59.42		HN	
PVAQ	e Pn	04:11:01.31		HZ	
	e Sn	04:11:59.25		H2	
PCVE	e Pn	04:11:05.89		HZ	
PBAR	e Pn	04:11:07.81		HZ	
	e Sn	04:12:08.79		HN	
	IAML	04:12:22.63		HZ	0.001 0.6
MESJ	e Pn	04:11:10.05		HZ	
PTEO	e Pn	04:11:10.51		HZ	
	e Sn	04:12:14.80		HN	
EVO	e Pn	04:11:16.36		HZ	
	e Sn	04:12:25.47		HE	
PESTR	e Pn	04:11:18.44		HZ	
PARRA	e Pn	04:11:20.09		HZ	
	e Sn	04:12:30.28		HN	
PMTG	e Pn	04:11:24.38		HZ	
PMRV	e Pn	04:11:24.62		HZ	
PCBR	e Pn	04:11:30.13		EZ	
PSARD	e Pn	04:11:30.88		HZ	

<b>28-Jan</b>	<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 Pg	04:24:46.85		HZ		
		e Sg	04:24:53.96		HE		
		IAML	04:24:54.72		HZ	0.002	0.1
	PCAB	e S	04:25:01.45		EE		
	POLO	e S	04:25:11.69		HE		
	PVRL	e S	04:25:15.90		EE		

28-Jan	Ho	11:14:09.2	Distante (NEIC)		Mw 6.0		
	Lat	05.497°N	Lon	82.584°W	Prof 8		
	Região: South of Panama						
Est	Fase	P	h:m:s	Dur	Co	Amp	Per
PMOZ		IAMs_20	11:49:37.43		LZ	1.311	20
PTEO	e P		11:25:48.51		BZ		
MORF	e P		11:25:48.57		BZ		
PLOUS	e P		11:25:49.75		BZ		
MOE	e P		11:25:50.79		BZ		
PCAS	e P		11:25:51.08		BZ		
PMTG	e P		11:25:50.99		BZ		
PCVE	e P		11:25:51.93		BZ		
PBDV	e P		11:25:52.55		BZ		
PSARD	e P		11:25:51.54		BZ		
EVO	e P		11:25:51.47		BZ		
PARRA	e P		11:25:51.42		BZ		
PVAQ	e P		11:25:52.51		BZ		
		IAMs_20	11:52:58.60		LZ	2.671	22
PGAV		IAMs_20	11:52:26.17		LZ	1.932	22
PVIS	e P		11:25:53.45		BZ		
PESTR	e P		11:25:53.37		BZ		
POLO	e P		11:25:54.36		BZ		
PCBR	e P		11:25:55.02		SZ		
MTE		IAMs_20	11:52:17.16		LZ	3.336	22
PMRV	e P		11:25:54.68		BZ		
		IAMs_20	11:51:42.74		LZ	1.449	24
PBAR	e P		11:25:55.15		BZ		
MVO	e P		11:25:57.48		BZ		
		IAMs_20	11:53:03.65		LZ	2.129	22
PBRG	e P		11:25:59.19		BZ		

28-Jan	Ho	13:43:26.8	Distante (NEIC)		mb 5.2	
	Lat	18.765°S	Lon	69.643°W	Prof 133	
Região: Northern Chile						
Est	Fase	P h:m:s		Dur	Co	Amp Per
PTEO	e P	13:55:24.79			HZ	
PCVE	e P	13:55:26.97			HZ	
MVO	e P	13:55:39.01			HZ	
PBRG	e P	13:55:40.20			HZ	

28-Jan	Ho	14:21:19.3						ML	1.7
	Lat	42.203°N		Lon	08.375°W		Prof	24	
	Região: NW Melgaço							Rms	0.3
	AxMax	3.6	AxMin	1.8	Ang	58	ErrZ	3	
Est	Fase	P h:m:s		Dur		Co			
PGAV	e Pg	14:21:25.43				HZ			
	e Sg	14:21:29.74				HN			
	IAML	14:21:30.11				HZ	0.036	0.7	
PCAB	e Sg	14:21:38.30				EN			
	IAML	14:21:38.96				EZ	0.036	0.2	
POLO	e P	14:21:36.08				HZ			
	e S	14:21:48.03				HE			
	IAML	14:21:49.65				HZ	0.005	0.2	
PBRG	e Sg	14:21:59.13				HN			
	IAML	14:22:00.06				HZ	0.008	0.2	
MVO	e Pn	14:21:43.42				HZ			
	e Sg	14:22:04.75				HN			
PVIS	e Sg	14:22:06.59				HE			
MTE	e Sn	14:22:11.62				HE			

28-Jan	Ho	22:10:56.9				ML	2.0	
	Lat	35.483°N		Lon	03.581°W		Prof	20
	Região: NE Al Hoceima (MARR)						Rms	0.4
	AxMax	4.0	AxMin	2.9	Ang	116	ErrZ	5
Est	Fase	P h:m:s		Dur	Co		Amp	Per
PVAQ	e P	22:11:54.57			HZ			
	e S	22:12:39.07			H1			
PBAR	e P	22:11:54.66			HZ			

PBDV	e S	22:12:39.26	HE		
	e P	22:11:55.28	HZ		
	e S	22:12:40.49	HE		
PARRA	e P	22:12:09.02	HZ		

#### 28-Jan

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PBAR	e P	22:54:32.08		HZ		
PVAQ	e P	22:54:33.00		HZ		

<b>29-Jan</b>	<b>Ho</b>	<b>00:33:51.0</b>	<b>ML 1.1</b>			
	<b>Lat</b>	<b>37.075°N</b>	<b>Lon</b>	<b>08.022°W</b>	<b>Prof 16</b>	
	<b>Região:</b>	<b>S Loulé</b>			<b>Rms 0.3</b>	
	<b>AxMax</b>	<b>3.7</b>	<b>AxMin</b>	<b>2.3</b>	<b>Ang 148</b>	<b>ErrZ 3</b>

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PBDV	e Pg	00:33:55.46		HZ		
	e Sg	00:33:58.62		HN		
	IAML	00:34:00.82		HZ	0.008	1.0
PVAQ	e Pg	00:33:59.14		HZ		
	e Sg	00:34:04.50		H2		
	IAML	00:34:06.19		HZ	0.006	0.6
MORF	e P	00:34:01.02		HZ		
	e S	00:34:08.86		HN		
	IAML	00:34:09.90		HZ	0.009	0.1
PCVE	e P	00:34:01.50		HZ		
	e S	00:34:08.90		HN		
	IAML	00:34:12.22		HZ	0.003	0.2
PFVI	e P	00:34:02.82		HZ		
	e S	00:34:11.92		HE		
	IAML	00:34:13.72		HZ	0.013	0.7
PTEO	e P	00:34:04.34		HZ		
	e S	00:34:13.73		HE		
MESJ	e P	00:34:05.30		HZ		
	e S	00:34:15.72		HE		
	IAML	00:34:18.18		HZ	0.004	0.4
PBEJ	e P	00:34:09.09		EZ		
	e S	00:34:21.09		EE		
	IAML	00:34:23.00		EZ	0.002	0.3
PLOUS	e P	00:34:09.36		HZ		
	e S	00:34:22.31		HE		
	IAML	00:34:24.23		HZ	0.003	0.5
PBAR	e S	00:34:30.79		HE		
	IAML	00:34:34.13		HZ	0.002	0.3
MOE	e Pg	00:34:17.66		HZ		
	e Sg	00:34:37.17		HE		
PARRA	e Pn	00:34:19.17		HZ		
	e Sg	00:34:44.89		HE		
	IAML	00:35:02.94		HZ	0.001	0.7
PMTG	e Sn	00:34:47.44		HN		
	e Sg	00:34:53.39		HE		

<b>29-Jan</b>	<b>Ho</b>	<b>00:54:52.3</b>	<b>ML 1.7</b>			
	<b>Lat</b>	<b>36.179°N</b>	<b>Lon</b>	<b>05.718°W</b>	<b>Prof 31*</b>	
	<b>Região:</b>	<b>W Gibraltar</b>			<b>Rms 0.3</b>	
	<b>AxMax</b>	<b>5.1</b>	<b>AxMin</b>	<b>3.9</b>	<b>Ang 162</b>	<b>ErrZ 0</b>

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PVAQ	e P	00:55:22.98		HZ		
	e S	00:55:46.44		H1		
	IAML	00:55:49.29		HZ	0.005	0.8
PBDV	e P	00:55:24.01		HZ		
	e S	00:55:48.29		HN		
	IAML	00:55:53.18		HZ	0.005	0.7
PBAR	e S	00:55:52.19		HE		
	IAML	00:55:54.40		HZ	0.001	0.3
PCVE	e P	00:55:27.81		HZ		
	e S	00:55:53.97		HE		
PBEJ	e S	00:55:59.12		EE		
MESJ	e S	00:56:00.38		HN		
PTEO	e P	00:55:33.90		HZ		
	e S	00:56:05.82		HE		
PLOUS	e P	00:55:35.65		HZ		
	e S	00:56:07.04		HN		
EVO	e S	00:56:09.93		HN		
PESTR	e S	00:56:11.55		HN		
	IAML	00:56:21.84		HZ	0.002	0.5
MOE	e P	00:55:38.73		HZ		
	e S	00:56:15.69		HN		
PARRA	e P	00:55:40.10		HZ		

	e S	00:56:15.13	HE		
	IAML	00:56:24.21	HZ	0.001	0.6
PMRV	e S	00:56:23.08	HE		
PMTG	e P	00:55:44.22	HZ		
	e S	00:56:22.79	HN		
PSARD	e S	00:56:32.64	HE		

<b>29-Jan</b>	<b>Ho</b>	<b>02:46:39.5</b>	<b>Distante (NEIC)</b>	<b>Mw 6.5</b>		
	<b>Lat</b>	<b>29.568°S</b>	<b>Lon 176.726°W</b>	<b>Prof 8</b>		
	<b>Região:</b>	<b>Kermadec Islands Region</b>				

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PMOZ	e -	03:06:54.85		BZ		
	e LR	04:02:12.99		LZ		
	IAMs_20	04:16:26.87		LZ	7.489	18
PMAR	e -	03:06:56.04		BZ		
PMPST	e -	03:06:53.24		BZ		
PGAV	e PKPdf	03:06:42.59		BZ		
	e -	03:07:38.18		BZ		
	e SS	03:32:04.16		LE		
	e LR	04:09:28.10		LZ		
	IAMs_20	04:40:25.68		LZ	11.18	18
PCAB	e PKPdf	03:06:45.97		SZ		
POLO	e PKPdf	03:06:44.84		BZ		
	e -	03:07:34.31		BZ		
PVIS	e PKPdf	03:06:44.52		BZ		
	e -	03:07:37.05		BZ		
MVO	e PKPdf	03:06:45.23		BZ		
	e -	03:07:37.30		BZ		
	e SS	03:32:20.73		LN		
	e LR	04:11:40.23		LZ		
	IAMs_20	04:20:39.63		LZ	10.32	18
PCAS	e PKPdf	03:06:44.88		BZ		
	e -	03:07:37.43		BZ		
PSBE	e PKPdf	03:06:45.60		BZ		
	e -	03:07:38.30		BZ		
MTE	e PKPdf	03:06:46.11		BZ		
	e -	03:07:35.81		BZ		
	e SS	03:32:17.74		LN		
	e LR	04:08:32.82		LZ		
	IAMs_20	04:20:16.93		LZ	10.88	18
PMAFR	e PKPdf	03:06:45.10		BZ		
	e -	03:07:38.28		BZ		
PSARD	e PKPdf	03:06:45.39		BZ		
	e -	03:07:37.38		BZ		
PMTG	e PKPdf	03:06:46.10		BZ		
	e -	03:07:37.49		BZ		
PMRV	e PKPdf	03:06:46.86		BZ		
	e -	03:07:37.49		BZ		
	e SS	03:32:25.42		LN		
	e LR	04:08:03.30		LZ		
	IAMs_20	04:22:42.91		LZ	13.91	18
MOE	e PKPdf	03:06:46.99		BZ		
	e -	03:07:37.72		BZ		
PARRA	e PKPdf	03:06:46.24		BZ		
	e -	03:07:36.23		BZ		
EVO	e PKPdf	03:06:45.93		BZ		
	e -	03:07:38.16		BZ		
PESTR	e PKPdf	03:06:46.52		BZ		
	e -	03:07:38.62		BZ		
PLOUS	e PKPdf	03:06:46.07		BZ		
	e -	03:07:38.71		BZ		
MESJ	e PKPdf	03:06:46.22		BZ		
PVAQ	e SS	03:32:47.99		L1		
	e LR	04:07:57.27		LZ		
	IAMs_20	04:23:53.58		LZ	15.72	18

<b>29-Jan</b>	<b>Ho</b>	<b>04:59:10.3</b>	<b>Distante (NEIC)</b>	<b>Mw 5.8</b>		
	<b>Lat</b>	<b>29.617°S</b>	<b>Lon 176.963°W</b>	<b>Prof 10</b>		
	<b>Região:</b>	<b>Kermadec Islands Region</b>				

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PMOZ	IAMs_20	06:32:41.78		LZ	1.071	18
PGAV	e PKPdf	05:19:13.85		BZ		
	e SS	05:44:48.40		LN		
	IAMs_20	06:33:33.37		LZ	1.544	20
PCAB	e PKPdf	05:19:13.88		SZ		
POLO	e PKPdf	05:19:15.18		BZ		
MVO	e PKPdf	05:19:15.74		BZ		
	IAMs_20	06:45:50.29		LZ	1.727	16



MTE	e PKPdf	05:19:17.81	BZ							IAML	06:42:07.03	HZ	0.004	0.6
	e SS	05:44:55.60	LN						EVO	e S	06:42:08.31	HE		
	IAMs_20	06:40:30.74	LZ	1.348	18				PARRA	e P	06:41:34.19	HZ		
PCBR	e PKPdf	05:19:17.22	SZ							e S	06:42:12.44	HE		
PMRV	IAMs_20	06:35:53.72	LZ	1.217	18					IAML	06:42:13.39	HZ	0.002	0.9
EVO	e PKPdf	05:19:16.47	BZ						PMTG	e P	06:41:34.66	HZ		
PESTR	e PKPdf	05:19:15.41	BZ							e S	06:42:13.98	HN		
PVAQ	e SS	05:45:16.16	L1							IAML	06:42:30.95	HZ	0.003	0.7
	e LR	06:16:06.33	LZ						PSBE	e S	06:42:17.42	HN		
	IAMs_20	06:36:39.26	LZ	1.365	18				PBAR	e P	06:41:38.56	HZ		
										e S	06:42:18.76	HE		
29-Jan	Ho	06:14:49.7								IAML	06:42:20.48	HZ	0.001	0.8
	Lat	36.974°N	Lon	13.748°W	Prof	31*			PESTR	e S	06:42:19.59	HN		
	Região:	Josephine			Rms	0.4			PSARD	e S	06:42:24.47	HE		
	AxMax	6.2	AxMin	4.6	Ang	92	ErrZ	0		IAML	06:42:28.91	HZ	0.004	0.3
Est	Fase	P h:m:s	Dur	Co	Amp	Per			PCAS	e S	06:42:30.23	HE		
PAZOI	e S	06:16:24.31		HN					PMRV	e P	06:41:44.13	HZ		
PFVI	e S	06:16:25.75		HN						e S	06:42:31.26	HN		
PMAFR	e P	06:15:45.83		HZ						IAML	06:42:32.41	HZ	0.002	0.9
	e S	06:16:28.17		HN					PVIS	e S	06:42:49.33	HN		
PTEO	e P	06:15:45.68		HZ					PGAV	e S	06:43:12.37	HN		
	e S	06:16:26.03		HN										
PLOUS	e P	06:15:50.27		HZ					29-Jan	Ho	08:41:13.5			ML 2.6
	e S	06:16:35.15		HE						Lat	42.464°N	Lon	08.142°W	Prof 14
MESJ	e S	06:16:38.19		HN						Região:	NW Ourense (ESP)			Rms 0.4
MOE	e P	06:15:52.61		HZ						AxMax	2.9	AxMin	1.7	Ang 95
	e S	06:16:40.43		HN						ErrZ	3			
PCVE	e P	06:15:52.92		HZ					Est	Fase	P h:m:s	Dur	Co	Amp Per
	e S	06:16:40.27		HE					PGAV	i Pg	c	08:41:22.99	HZ	
PSBE	e S	06:16:43.04		HE						e Sg		08:41:29.78	HE	
PBDV	e S	06:16:41.92		HE						IAML		08:41:30.80	HZ	0.252 0.2
EVO	e S	06:16:46.23		HE					PCAB	i Pg	c	08:41:27.50	EZ	
PVAQ	e P	06:15:56.92		HZ						e Sg		08:41:37.26	EE	
	e S	06:16:45.59		H2						IAML		08:41:39.15	EZ	0.353 0.2
	IAML	06:16:56.64		HZ	0.003	0.7			POLO	e P		08:41:33.24	HZ	
PMTG	e P	06:15:56.91		HZ						e S		08:41:48.74	HN	
	e S	06:16:46.54		HE						IAML		08:41:50.27	HZ	0.042 0.6
	IAML	06:16:47.14		HZ	0.002	0.8			PBRG	e P		08:41:36.22	HZ	
PARRA	e P	06:15:56.94		HZ						e S		08:41:51.57	HE	
	e S	06:16:47.32		HN						IAML		08:41:53.33	HZ	0.053 0.4
	IAML	06:17:03.84		HZ	0.001	0.5			PVRL	e P		08:41:36.14	EZ	
PSARD	e P	06:16:00.82		HZ						e S		08:41:52.12	EN	
	e S	06:16:53.22		HN						IAML		08:41:52.96	EZ	0.129 0.1
	IAML	06:16:56.30		HZ	0.003	0.7			PTO	e P		08:41:36.24	EZ	
PCAS	e S	06:16:53.75		HN						e S		08:41:55.49	EN	
PESTR	e S	06:16:54.60		HN						IAML		08:41:57.01	EZ	0.113 0.1
PBAR	e P	06:16:05.71		HZ					MVO	e Pn		08:41:39.72	HZ	
	e S	06:17:02.10		HN						e Sg		08:42:01.38	HN	
PMRV	e P	06:16:06.84		HZ						IAML		08:42:04.23	HZ	0.035 0.2
	e S	06:17:04.20		HN					PVIS	e Pn		08:41:42.38	HZ	
PCBR	e S	06:17:07.58		EN						e Sg		08:42:07.67	HE	
PVIS	e S	06:17:12.72		HN					MTE	e Pn		08:41:47.25	HZ	
POLO	e S	06:17:23.49		HE						e Pg		08:41:51.83	HZ	
PGAV	e S	06:17:26.75		HE						e Sg		08:42:18.06	HE	
										IAML		08:42:23.40	HZ	0.039 0.3
29-Jan	Ho	06:40:43.0							COI	e Sg		08:42:22.66	HN	
	Lat	36.362°N	Lon	11.249°W	Prof	31*				IAML		08:42:29.17	HZ	0.041 0.8
	Região:	Gorringe			Rms	0.4			PCAS	e Pn		08:41:51.57	HZ	
	AxMax	7.9	AxMin	3.9	Ang	93	ErrZ	0		e Sg		08:42:28.37	HN	
Est	Fase	P h:m:s	Dur	Co	Amp	Per				IAML		08:42:36.13	HZ	0.021 0.3
PFVI	e P	06:41:14.17		HZ					PCBR	e Pn		08:41:54.84	EZ	
	e S	06:41:37.15		HE						e Sg		08:42:35.92	EN	
PTEO	e P	06:41:17.74		HZ						IAML		08:42:43.19	EZ	0.017 0.5
	e S	06:41:43.49		HE					PSARD	e Pn		08:41:58.22	HZ	
PAZOI	e S	06:41:50.95		HN						e Pg		08:42:06.13	HZ	
PLOUS	e P	06:41:23.72		HZ						e Sg		08:42:42.08	HN	
	e S	06:41:54.53		HE						IAML		08:42:45.92	HZ	0.049 0.3
	IAML	06:42:00.73		HZ	0.003	0.5			PSBE	e Pn		08:41:59.95	HZ	
MESJ	e S	06:41:54.97		HE						e Sn		08:42:33.99	HE	
PCVE	e P	06:41:25.19		HZ						e Sg		08:42:46.22	HE	
	e S	06:41:56.34		HN						IAML		08:42:56.82	HZ	0.020 0.8
PVAQ	e P	06:41:27.35		HZ					PMRV	e Pn		08:42:00.55	HZ	
	e S	06:41:59.80		H2						e Sg		08:42:49.27	HE	
	IAML	06:42:00.45		HZ	0.004	0.9				IAML		08:42:55.44	HZ	0.015 0.4
PMAFR	e S	06:41:59.68		HE					PMTG	e Pn		08:42:04.61	HZ	
	IAML	06:42:05.11		HZ	0.010	0.6				e Sn		08:42:42.74	HE	
MOE	e P	06:41:28.78		HZ						e Sg		08:42:57.78	HE	
	e S	06:42:03.23		HN						IAML		08:43:06.11	HZ	0.009 0.7
									PMAFR	e Pn		08:42:08.06	HZ	





PMONC	e S	22:04:00.21	H2					IAML	01:11:00.62	EZ	0.015	0.3
	IAML	22:04:04.96	HZ	0.013	0.5			POLO	e P	01:10:57.99	HZ	
MESJ	e P	22:03:12.11	HZ						e S	01:11:09.20	HN	
	e S	22:04:00.34	HE						IAML	01:11:11.38	HZ	0.002 0.5
	IAML	22:04:02.03	HZ	0.003	0.4			PVRL	e P	01:10:59.59	EZ	
PTEO	e S	22:04:07.38	HE						e S	01:11:14.26	EE	
PLOUS	e S	22:04:05.26	HE						IAML	01:11:15.76	EZ	0.006 0.1
PESTR	e S	22:04:06.45	HN					PBRG	e Pn	01:11:03.49	HZ	
EVO	e S	22:04:05.69	HN						e Sg	01:11:21.22	HN	
	IAML	22:04:07.91	HZ	0.002	0.5				IAML	01:11:22.17	HZ	0.003 0.1
PARRA	e P	22:03:19.83	HZ					MVO	e Pn	01:11:04.96	HZ	
	e S	22:04:11.09	HE						e Sg	01:11:27.53	HE	
PMRV	e P	22:03:21.41	HZ						IAML	01:11:31.98	HZ	0.003 0.4
PMTG	e S	22:04:18.06	HE					PVIS	e Sg	01:11:28.55	HN	
PSARD	e P	22:03:27.95	HZ					MTE	e Sg	01:11:40.28	HN	
	e S	22:04:26.03	HN									
	IAML	22:04:42.62	HZ	0.002	0.6							

**30-Jan Ho 01:01:02.2 ML 1.8**  
**Lat 42.233°N Lon 08.363°W Prof 20**  
**Região: NW Melgaço Rms 0.4**  
**AxMax 3.9 AxMin 1.7 Ang 89 ErrZ 3**

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PGAV	e Pg	01:01:08.48	HZ			
	e Sg	01:01:12.90	HE			
	IAML	01:01:13.27	HZ	0.051	0.3	
PCAB	e Pg	01:01:13.45	EZ			
	e Sg	01:01:21.42	EN			
	IAML	01:01:22.13	EZ	0.052	0.2	
POLO	e P	01:01:18.98	HZ			
	e S	01:01:31.30	HE			
	IAML	01:01:32.91	HZ	0.008	0.5	
PVRL	e P	01:01:20.80	EZ			
	e S	01:01:35.40	EE			
	IAML	01:01:35.81	EZ	0.016	0.2	
PTO	e S	01:01:36.00	EN			
PBRG	e Pn	01:01:23.51	HZ			
	e Sn	01:01:39.22	HE			
	e Sg	01:01:42.28	HN			
	IAML	01:01:45.25	HZ	0.013	0.2	
MVO	e Pn	01:01:26.14	HZ			
	e Pg	01:01:32.18	HZ			
	e Sg	01:01:47.77	HE			
	IAML	01:01:54.06	HZ	0.009	0.6	
PVIS	e Pg	01:01:32.98	HZ			
	e Sg	01:01:49.81	HE			
PCAS	e Sg	01:02:09.62	HE			
	IAML	01:02:13.85	HZ	0.004	0.6	
PCBR	e Sn	01:02:08.44	EN			
	e Sg	01:02:18.44	EE			
	IAML	01:02:29.51	EZ	0.003	0.4	
PSARD	e Sg	01:02:23.06	HN			
	IAML	01:02:29.66	HZ	0.004	0.2	
PSBE	e Sn	01:02:14.25	HE			
PMRV	e Pn	01:01:46.76	HZ			
	e Sn	01:02:17.47	HE			
	e Sg	01:02:34.15	HE			
	IAML	01:02:38.81	HZ	0.002	0.3	
PMTG	e Sn	01:02:22.75	HE			
	e Sg	01:02:40.63	HE			
PESTR	e Pn	01:01:53.53	HZ			
	e Sn	01:02:30.11	HN			
	e Sg	01:02:46.69	HN			
	IAML	01:02:53.84	HZ	0.002	0.4	
PARRA	e Sn	01:02:29.02	HE			
	e Sg	01:02:48.59	HE			
PBAR	e Pn	01:02:03.78	HZ			

**30-Jan Ho 01:10:41.1 ML 1.3**  
**Lat 42.229°N Lon 08.373°W Prof 19**  
**Região: NW Melgaço Rms 0.4**  
**AxMax 3.4 AxMin 2.6 Ang 80 ErrZ 4**

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PGAV	e Pg	01:10:47.07	HZ			
	e Sg	01:10:51.52	HN			
	IAML	01:10:51.99	HZ	0.018	0.3	
PCAB	e Pg	01:10:52.06	EZ			
	e Sg	01:11:00.00	EN			

### 30-Jan

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PTEO	e P	01:22:12.82	HZ			
	e S	01:22:53.30	HE			
PARRA	e P	01:22:27.12	HZ			
	e S	01:23:15.06	HN			
	IAML	01:23:16.33	HZ	0.001	0.5	
PMRV	e P	01:22:35.33	HZ			
	e S	01:23:33.13	HE			
PFVI	e S	01:22:50.66	HE			
PMAFR	e S	01:22:58.58	HE			
PLOUS	e S	01:23:02.62	HE			
MESJ	e S	01:23:05.62	HE			
PCVE	e S	01:23:06.64	HE			
MOE	e S	01:23:07.79	HE			
PBDV	e S	01:23:09.27	HN			
PVAQ	e S	01:23:12.06	H2			
EVO	e S	01:23:14.42	HN			
PMTG	e S	01:23:15.85	HN			
PESTR	e S	01:23:24.08	HE			
PSARD	e S	01:23:25.06	HE			
PBAR	e S	01:23:28.87	HN			

### 30-Jan

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PGAV	e P	02:33:33.63	HZ			
	e S	02:33:47.40	HN			
	IAML	02:33:50.42	HZ	0.003	0.5	
PCAB	e Sg	02:33:57.05	EE			
PBRG	e Sg	02:34:21.40	HN			

### 30-Jan

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PTEO	e P	03:15:07.24	HZ			
	e S	03:15:53.51	HN			
PLOUS	e P	03:15:10.65	HZ			
	e S	03:16:01.99	HN			
PARRA	e P	03:15:16.78	HZ			
	e S	03:16:11.82	HN			
PMTG	e P	03:15:18.03	HZ			
	e S	03:16:12.52	HN			
PBAR	e P	03:15:26.74	HZ			
	e S	03:16:29.42	HN			
PMAFR	e S	03:15:54.68	HN			
PVAQ	e S	03:16:15.77	H2			
PSARD	e S	03:16:19.64	HN			
PESTR	e S	03:16:23.19	HE			

### 30-Jan Ho 05:03:47.7

**Lat 35.134°N Lon 11.323°W Prof 32**  
**Região: Horseshoe-Ampère Rms 0.5**  
**AxMax 33.8 AxMin 7.7 Ang 73 ErrZ 41**

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PTEO	e P	05:04:34.49	HZ			
	e S	05:05:08.21	HN			
PBDV	e P	05:04:37.17	HZ			
	e S	05:05:15.20	HE			
PCVE	e P	05:04:40.49	HZ			
	e S	05:05:19.07	HN			
MESJ	e S	05:05:20.68	HE			
PVAQ	e P	05:04:40.74	HZ			
	e S	05:05:20.73	H1			

PLOUS	e P	05:04:40.25	HZ			
	e S	05:05:19.48	HN			
MOE	e S	05:05:32.18	HE			
PARRA	e P	05:04:51.58	HZ			
	e S	05:05:38.05	HE			
PBAR	e P	05:04:53.73	HZ			
	e S	05:05:42.07	HN			
PMTG	e P	05:04:53.74	HZ			
	e S	05:05:41.69	HE			
PESTR	e S	05:05:46.57	HN			
PSARD	e P	05:04:57.91	HZ			
	e S	05:05:53.79	HN			

### 30-Jan

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PVAQ	e P	05:52:50.61	HZ			
PBAR	e P	05:52:50.73	HZ			
	e S	05:53:31.08	HE			
PARRA	e P	05:53:04.51	HZ			

<b>30-Jan</b>	<b>Ho</b>	<b>05:56:24.7</b>	<b>ML 1.2</b>
	<b>Lat</b>	<b>38.718°N</b>	<b>Lon 08.284°W</b>
	<b>Região:</b>	<b>NW Montemor-o-Novo</b>	<b>Prof 0</b>
	<b>Rms</b>	<b>0.3</b>	
	<b>AxMax</b>	<b>2.9 AxMin 1.5 Ang 88</b>	<b>ErrZ 10</b>

Est	Fase	P h:m:s	Dur	Co	Amp	Per
MOE	e Pg	05:56:27.83	HZ			
	e Sg	05:56:30.53	HN			
	IAML	05:56:30.93	HZ	0.060	0.1	
PARRA	e Pg	05:56:28.67	HZ			
	e Sg	05:56:32.00	HE			
	IAML	05:56:32.06	HZ	0.027	0.1	
EVO	e Pg	05:56:29.66	HZ			
	e Sg	05:56:33.98	HE			
	IAML	05:56:34.67	HZ	0.020	0.1	
PMTG	e Pg	05:56:30.86	HZ			
	e Sg	05:56:35.66	HN			
	IAML	05:56:36.45	HZ	0.016	0.1	
PESTR	e Pg	05:56:34.93	HZ			
	e Sg	05:56:42.63	HN			
	IAML	05:56:42.92	HZ	0.004	0.2	
PLOUS	e Pg	05:56:37.73	HZ			
	e Sg	05:56:46.38	HN			
	IAML	05:56:50.18	HZ	0.003	0.9	
PBEJ	e P	05:56:38.87	EZ			
	e S	05:56:48.78	EE			
	IAML	05:56:49.46	EZ	0.003	0.2	
PMAFR	e P	05:56:39.61	HZ			
	e S	05:56:50.45	HE			
	IAML	05:56:53.28	HZ	0.008	0.1	
MESJ	e P	05:56:40.94	HZ			
	e S	05:56:52.69	HN			
	IAML	05:56:55.46	HZ	0.004	0.8	
PSARD	e P	05:56:41.11	HZ			
	e S	05:56:52.37	HE			
	IAML	05:56:55.67	HZ	0.007	0.3	
PSBE	e P	05:56:40.94	HZ			
	e S	05:56:52.93	HE			
	IAML	05:56:58.09	HZ	0.003	0.5	
PCVE	e P	05:56:45.17	HZ			
	e S	05:56:59.81	HN			
	IAML	05:57:00.18	HZ	0.003	0.1	
PBAR	e P	05:56:45.24	HZ			
	e S	05:57:00.01	HN			
	IAML	05:57:02.65	HZ	0.003	0.1	
PTEO	e P	05:56:47.34	HZ			
	e S	05:57:03.46	HN			
	IAML	05:57:04.24	HZ	0.008	0.5	
PCBR	e P	05:56:48.31	EZ			
	e S	05:57:05.27	EE			
	IAML	05:57:05.32	EZ	0.003	0.4	
PCAS	e P	05:56:49.35	HZ			
	e S	05:57:07.47	HN			
	IAML	05:57:11.22	HZ	0.003	0.5	
PVAQ	e Pn	05:56:50.54	HZ			
	e Sg	05:57:08.29	H1			
	IAML	05:57:10.49	HZ	0.004	0.5	
PBDV	e Sg	05:57:12.09	HE			
MTE	e Pn	05:56:56.63	HZ			

	e Sg	05:57:19.73	HE			
	IAML	05:57:21.82	HZ	0.003	0.7	
PVIS	e Sg	05:57:26.81	HN			

### 30-Jan

Est	Fase	P h:m:s	Dur	Co	Amp	Per
MVO	e S	09:12:10.24	HN			
PBRG	e S	09:12:12.18	HE			
POLO	e S	09:12:29.87	HN			
PSARD	e S	09:12:32.29	HN			
PBAR	e S	09:12:32.89	HN			

<b>30-Jan</b>	<b>Ho</b>	<b>10:38:33.7</b>	<b>ML 0.7</b>
	<b>Lat</b>	<b>37.195°N</b>	<b>Lon 08.569°W</b>
	<b>Região:</b>	<b>NW Portimão</b>	<b>Prof 11</b>
	<b>Rms</b>	<b>0.2</b>	
	<b>AxMax</b>	<b>2.7 AxMin 1.8 Ang 110</b>	<b>ErrZ 3</b>

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PMONC	e Pg	10:38:36.54	HZ			
	e Sg	10:38:38.58	H1			
MORF	e Pg	10:38:36.59	HZ			
	e Sg	10:38:38.99	HE			
	IAML	10:38:39.15	HZ	0.020	0.1	
PFVI	e Pg	10:38:37.98	HZ			
	e Sg	10:38:41.10	HN			
PTEO	e P	10:38:40.93	HZ			
PCVE	e S	10:38:52.95	HN			
MESJ	e S	10:38:56.37	HE			
PVAQ	e P	10:38:46.89	HZ			
	e S	10:38:56.07	H2			
PLOUS	e S	10:38:59.93	HE			

<b>30-Jan</b>	<b>Ho</b>	<b>15:40:19.5</b>	<b>ML 2.2</b>
	<b>Lat</b>	<b>35.498°N</b>	<b>Lon 03.670°W</b>
	<b>Região:</b>	<b>NE Al Hoceima (MARR)</b>	<b>Prof 0</b>
	<b>Rms</b>	<b>0.4</b>	
	<b>AxMax</b>	<b>5.2 AxMin 3.1 Ang 100</b>	<b>ErrZ 8</b>

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PVAQ	e P	15:41:17.25	HZ			
	e S	15:42:00.14	H1			
	IAML	15:42:09.21	HZ	0.005	0.4	
PBAR	e P	15:41:19.64	HZ			
PBDV	e P	15:41:18.58	HZ			
PCVE	e P	15:41:22.14	HZ			
	e S	15:42:09.71	HN			
MESJ	e P	15:41:25.74	HZ			
	IAML	15:42:22.81	HZ	0.003	0.5	
PLOUS	e P	15:41:29.09	HZ			
PESTR	e P	15:41:30.87	HZ			
	IAML	15:42:46.71	HZ	0.003	0.5	
EVO	e P	15:41:30.00	HZ			
MOE	e P	15:41:32.76	HZ			
	e S	15:42:26.98	HE			
	IAML	15:42:41.30	HZ	0.005	0.4	
PMRV	e P	15:41:33.89	HZ			
	IAML	15:42:56.47	HZ	0.003	0.8	
PMTG	e P	15:41:36.80	HZ			
PCBR	e P	15:41:39.80	EZ			
PSARD	e P	15:41:41.01	HZ			
PSBE	e P	15:41:44.92	HZ			
MVO	e P	15:41:53.16	HZ			
POLO	e P	15:41:58.75	HZ			

<b>30-Jan</b>	<b>Ho</b>	<b>17:26:14.1</b>	<b>ML 1.6</b>
	<b>Lat</b>	<b>36.519°N</b>	<b>Lon 09.880°W</b>
	<b>Região:</b>	<b>SW Cabo S.Vicente</b>	<b>Prof 9</b>
	<b>Rms</b>	<b>0.3</b>	
	<b>AxMax</b>	<b>6.4 AxMin 4.5 Ang 48</b>	<b>ErrZ 6</b>

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PFVI	e P	17:26:33.04	HZ			
	e S	17:26:47.06	HN			
MORF	e P	17:26:36.29	HZ			
	e S	17:26:52.89	HN			
	IAML	17:26:53.22	HZ	0.007	0.3	
PTEO	e S	17:26:55.96	HE			
PBDV	e P	17:26:42.52	HZ			
	e S	17:27:03.74	HE			
PCVE	e P	17:26:44.92	HZ			
	e S	17:27:07.17	HN			
	IAML	17:27:07.75	HZ	0.002	0.4	
MESJ	e S	17:27:07.45	HE			



### 30-Jan

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PBDV	e P	23:09:23.76		HZ		
	e S	23:09:33.84		HE		
PVAQ	e P	23:09:25.36		HZ		
	e S	23:09:36.42		H2		
MESJ	e S	23:09:30.37		HN		

**31-Jan Ho 00:08:15.5 Distante (NEIC) Mw 5.0**  
**Lat 14.906°S Lon 73.937°W Prof 72**  
**Região: Central Peru**

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PBDV	e P	00:20:23.16		BZ		
MESJ	e P	00:20:24.75		BZ		
PCVE	e P	00:20:23.94		BZ		
PBEJ	e P	00:20:26.76		SZ		
PSBE	e P	00:20:25.50		BZ		
EVO	e P	00:20:26.70		BZ		
PMTG	e P	00:20:26.56		BZ		
PCAS	e P	00:20:29.09		BZ		
PSARD	e P	00:20:27.72		BZ		
PCBR	e P	00:20:30.64		SZ		
PVIS	e P	00:20:30.68		BZ		
MTE	e P	00:20:31.80		BZ		
PGAV	e P	00:20:32.81		BZ		
PCAB	e P	00:20:33.18		SZ		
POLO	e P	00:20:32.89		BZ		
PVRL	e P	00:20:33.52		SZ		
MVO	e P	00:20:35.60		BZ		
PBRG	e P	00:20:37.66		BZ		
	IAMB	00:20:39.43		BZ	0.024	1.6

### 31-Jan

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PVAQ	e P	00:24:11.13		HZ		
	e S	00:24:19.54		H2		
	IAML	00:24:19.75		HZ	0.003	0.6
PBDV	e P	00:24:11.94		HZ		
	e S	00:24:20.52		HN		
PBAR	e P	00:24:15.82		HZ		
	e S	00:24:32.25		HE		
PTEO	e S	00:24:37.61		HN		

**31-Jan Ho 03:20:46.0 ML 0.9**  
**Lat 36.382°N Lon 08.149°W Prof 16**  
**Região: SW Faro Rms 0.4**  
**AxMax 7.5 AxMin 5.7 Ang 50 ErrZ 5**

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PBDV	e P	03:21:02.08		HZ		
	e S	03:21:13.76		HE		
PFVI	e P	03:21:02.26		HZ		
	e S	03:21:14.29		HE		
MORF	e P	03:21:04.17		HZ		
	e S	03:21:18.29		HN		
PVAQ	e P	03:21:04.84		HZ		
	e S	03:21:19.68		H2		
	IAML	03:21:24.00		HZ	0.002	0.6
PCVE	e P	03:21:07.62		HZ		
	e S	03:21:23.03		HN		
PTEO	e S	03:21:23.80		HN		
MESJ	e S	03:21:27.80		HN		
PLOUS	e Pn	03:21:12.94		HZ		
	e Sn	03:21:33.01		HN		
EVO	e Sn	03:21:44.63		HN		
PMTG	e Pn	03:21:27.55		HZ		
	e Sn	03:21:57.60		HE		
PMRV	e Pn	03:21:32.93		HZ		

**31-Jan Ho 03:54:38.1 ML 1.8**  
**Lat 37.042°N Lon 05.316°W Prof 15**  
**Região: SE Sevilha (ESP) Rms 0.5**  
**AxMax 2.2 AxMin 1.7 Ang 180 ErrZ 3**

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PBAR	e Pn	03:55:06.65		HZ		
	e Sn	03:55:28.60		HE		
	e Sg	03:55:34.41		HN		
	IAML	03:55:37.34		HZ	0.004	0.2
PVAQ	e Pn	03:55:09.19		HZ		

	e Pg	03:55:12.36		HZ		
	e Sg	03:55:39.14		H1		
	IAML	03:55:40.80		HZ	0.006	0.3
PBDV	e Pn	03:55:11.02		HZ		
	e Sn	03:55:36.52		HE		
	IAML	03:55:50.43		HZ	0.004	0.6
PCVE	e Pn	03:55:13.38		HZ		
	e Sg	03:55:47.69		HN		
	IAML	03:55:55.78		HZ	0.003	0.5
MESJ	e Pn	03:55:16.21		HZ		
	e Sn	03:55:45.35		HN		
	e Sg	03:55:54.61		HE		
	IAML	03:56:03.11		HZ	0.003	0.6
PESTR	e Pn	03:55:17.94		HZ		
	e Sg	03:55:56.98		HE		
	IAML	03:55:59.42		HZ	0.003	0.8
EVO	e Pn	03:55:18.37		HZ		
	e Sn	03:55:49.23		HE		
	IAML	03:56:03.30		HZ	0.005	0.4
PLOUS	e Pn	03:55:18.90		HZ		
	e Sn	03:55:50.79		HE		
	e Sg	03:56:00.29		HE		
	IAML	03:56:08.34		HZ	0.003	0.6
MORF	e Sn	03:55:50.93		HN		
	IAML	03:55:55.25		HZ	0.003	0.2
PTEO	e Pn	03:55:20.21		HZ		
	e Sn	03:55:54.56		HE		
PFVI	e Sn	03:55:53.47		HN		
MOE	e Sn	03:55:55.40		HN		
	e Sg	03:56:06.85		HN		
	IAML	03:56:12.55		HZ	0.004	0.5
PMRV	e Pn	03:55:23.45		HZ		
	e Sn	03:55:55.41		HE		
	e Sg	03:56:08.23		HN		
	IAML	03:56:09.57		HZ	0.003	0.4
PMTG	e Pn	03:55:25.03		HZ		
	e Sn	03:56:00.84		HE		
	e Sg	03:56:15.54		HE		
	IAML	03:56:17.36		HZ	0.002	0.7
PCBR	e Sn	03:56:04.24		EN		
	IAML	03:56:26.29		EZ	0.002	0.5
PSARD	e Pn	03:55:29.60		HZ		
	e Sn	03:56:09.26		HE		
	e Sg	03:56:21.51		HE		
	IAML	03:56:33.42		HZ	0.005	0.6
MTE	e Sn	03:56:17.66		HN		
	IAML	03:56:45.69		HZ	0.003	0.7
PCAS	e Sn	03:56:21.92		HE		

**31-Jan Ho 03:59:57.8 ML 2.6**  
**Lat 30.071°N Lon 07.748°W Prof 16\***  
**Região: Morocco Rms 0.4**  
**AxMax 13.5 AxMin 8.4 Ang 154 ErrZ 0**

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PFVI	e P	04:01:40.19		HZ		
	e S	04:02:49.33		HN		
PBDV	e P	04:01:41.18		HZ		
	e S	04:02:48.59		HE		
MORF	e P	04:01:42.55		HZ		
	e S	04:02:54.07		HE		
	IAML	04:02:56.72		HZ	0.002	0.2
PVAQ	e P	04:01:42.60		HZ		
	e S	04:02:51.39		H1		
	IAML	04:02:56.11		HZ	0.002	0.8
PTEO	e P	04:01:46.00		HZ		
	e S	04:02:59.56		HN		
	IAML	04:03:11.74		HZ	0.004	0.9
PCVE	e P	04:01:46.04		HZ		
	e S	04:02:57.75		HN		
MESJ	e P	04:01:49.54		HZ		
	e S	04:03:04.74		HN		
PBEJ	e S	04:03:06.72		EE		
PLOUS	e P	04:01:51.82		HZ		
	e S	04:03:09.64		HN		
PBAR	e P	04:01:52.77		HZ		
	e S	04:03:10.15		HE		
EVO	e P	04:01:57.68		HZ		
MOE	e P	04:01:58.65		HZ		

PESTR	e S	04:03:21.11	HN					PVIS	e P	05:00:19.63	HZ				
	e P	04:02:02.70	HZ						e S	05:00:48.45	HE				
	e S	04:03:28.81	HN					POLO	e P	05:00:28.21	HZ				
PMTG	e P	04:02:05.39	HZ						e S	05:01:03.15	HE				
	e S	04:03:34.58	HE					MVO	e P	05:00:29.17	HZ				
PMRV	e P	04:02:09.87	HZ						e S	05:01:05.09	HE				
	e S	04:03:40.72	HN					PCAB	e S	05:01:09.91	EE				
PSARD	e P	04:02:13.48	HZ					PGAV	e P	05:00:34.34	HZ				
									e S	05:01:13.92	HN				
								PBRG	e S	05:01:20.79	HE				
									IAML	05:01:22.55	HZ	0.001	0.5		
<hr/>															
31-Jan	Ho	04:59:40.3	ML 1.5					31-Jan	Ho	05:15:39.0	ML 1.8				
	Lat	38.325°N	Lon	09.355°W	Prof	30			Lat	36.577°N	Lon	13.199°W	Prof	19*	
	Região:	SW Sesimbra			Rms	0.4			Região:	Josephine			Rms	0.2	
	AxMax	6.2	AxMin	1.9	Ang	83	ErrZ	4		AxMax	18.5	AxMin	12.3	Ang	34
Est	Fase	P h:m:s	Dur	Co	Amp	Per		Est	Fase	P h:m:s	Dur	Co	Amp	Per	
PAZOI	e P	c 04:59:45.56		HZ				PTEO	e S	05:17:08.44		HE			
	e S	04:59:49.85		HN				PLOUS	e S	05:17:17.54		HN			
	IAML	04:59:50.55		HZ	0.036	0.1			IAML	05:17:20.75		HZ	0.001	0.1	
GGNV	e P	04:59:48.95		HZ				MESJ	e S	05:17:21.11		HN			
	e S	04:59:55.75		HE				PCVE	e S	05:17:21.96		HE			
PMAFR	e P	c 04:59:51.55		HZ				MOE	e S	05:17:22.18		HN			
	e S	05:00:00.75		HN				PVAQ	e S	05:17:27.35		H2			
	IAML	05:00:01.68		HZ	0.032	0.2		EVO	e S	05:17:25.45		HE			
PLOUS	e P	04:59:53.65		HZ				PMTG	e P	05:16:41.96		HZ			
	e S	05:00:03.97		HN					e S	05:17:30.35		HN			
	IAML	05:00:06.32		HZ	0.007	0.1			IAML	05:17:40.32		HZ	0.001	0.7	
MOE	e P	d 04:59:54.28		HZ				PSARD	e P	05:16:47.87		HZ			
	e S	05:00:05.71		HN					e S	05:17:39.62		HN			
	IAML	05:00:08.07		HZ	0.011	0.1		PESTR	e S	05:17:38.16		HN			
PTEO	e P	04:59:55.81		HZ				PBAR	e S	05:17:43.76		HE			
	e S	05:00:07.12		HE				PMRV	e P	05:16:51.79		HZ			
	IAML	05:00:08.45		HZ	0.014	0.2			e S	05:17:47.80		HN			
MESJ	e P	c 04:59:57.11		HZ				<hr/>							
	e S	05:00:09.65		HN				31-Jan							
	IAML	05:00:13.20		HZ	0.005	0.6		Est	Fase	P h:m:s	Dur	Co	Amp	Per	
EVO	e P	04:59:57.71		HZ				PVAQ	e P	05:34:49.48		HZ			
	e S	05:00:12.06		HE					e S	05:35:31.72		H1			
	IAML	05:00:17.76		HZ	0.008	0.1		PBAR	e P	05:34:49.68		HZ			
PMTG	e P	04:59:58.82		HZ					e S	05:35:32.72		HE			
	e S	05:00:12.77		HE				PCVE	e P	05:34:54.51		HZ			
	IAML	05:00:17.31		HZ	0.008	0.2			e S	05:35:41.85		HN			
MORF	e P	04:59:59.11		HZ				MESJ	e P	05:34:57.17		HZ			
	e S	05:00:13.35		HN				PTEO	e P	05:35:00.64		HZ			
	IAML	05:00:15.26		HZ	0.014	0.1		PLOUS	e P	05:35:00.66		HZ			
PBEJ	e P	04:59:59.62		EZ				PMRV	e P	05:35:06.29		HZ			
	e S	05:00:14.31		EE				PMTG	e P	05:35:08.48		HZ			
	IAML	05:00:20.85		EZ	0.002	0.2		PSARD	e P	05:35:13.33		HZ			
PCVE	e P	05:00:00.23		HZ				<hr/>							
	e S	05:00:15.12		HN				31-Jan	Ho	06:03:13.0	ML 2.3				
	IAML	05:00:17.55		HZ	0.004	0.2			Lat	36.372°N	Lon	07.626°W	Prof	11	
PFVI	e P	05:00:00.18		HZ					Região:	Golfo de Cádiz			Rms	0.5	
	e S	05:00:16.40		HN					AxMax	3.2	AxMin	2.7	Ang	64	ErrZ
PSBE	e P	05:00:00.93		HZ				Est	Fase	P h:m:s	Dur	Co	Amp	Per	
	e S	05:00:15.71		HE				PBDV	e P	06:03:28.97		HZ			
PESTR	e P	05:00:04.52		HZ					e S	06:03:42.00		HE			
	e S	05:00:21.90		HN					IAML	06:03:43.76		HZ	0.061	0.3	
	IAML	05:00:28.21		HZ	0.002	0.4		PVAQ	e P	c 06:03:30.73		HZ			
PBDV	e P	05:00:04.90		HZ					e S	06:03:45.94		H2			
	e S	05:00:23.08		HN					IAML	06:03:48.66		HZ	0.047	0.2	
	IAML	05:00:30.28		HZ	0.003	0.6		PMONC	e P	06:03:34.71		HZ			
PSARD	e P	05:00:04.64		HZ					e S	06:03:50.27		H1			
	e S	05:00:22.83		HN					IAML	06:03:52.15		HZ	0.123	0.1	
	IAML	05:00:25.63		HZ	0.005	0.5		PFVI	e P	06:03:33.85		HZ			
PVAQ	e P	05:00:04.95		HZ					e S	06:03:51.20		HE			
	e S	05:00:23.81		H1					IAML	06:03:54.36		HZ	0.035	0.2	
	IAML	05:00:31.92		HZ	0.003	0.5		MORF	e P	06:03:34.44		HZ			
PBAR	e P	05:00:08.35		HZ					e S	06:03:51.35		HN			
	e S	05:00:29.34		HN					IAML	06:03:54.29		HZ	0.083	0.1	
	IAML	05:00:40.91		HZ	0.002	0.4		PCVE	e Pn	06:03:34.72		HZ			
PCAS	e P	05:00:09.70		HZ					i Pg	06:03:37.75		HZ			
	e S	05:00:30.04		HE					e Sn	06:03:51.76		HN			
PMRV	e P	d 05:00:08.76		HZ					e Sg	06:03:53.74		HN			
	e S	05:00:29.98		HN					IAML	06:03:56.59		HZ	0.071	0.3	
	IAML	05:00:32.91		HZ	0.004	0.2		PTEO	e Pn	06:03:37.99		HZ			
PCBR	e P	05:00:12.02		EZ					e Sg	06:03:58.19		HE			
	e S	05:00:36.90		EN					IAML	06:04:04.73		HZ	0.022	0.4	
MTE	e P	05:00:18.27		HZ				<hr/>							
	e S	05:00:44.81		HE											
	IAML	05:00:45.78		HZ	0.001	0.2									



MESJ	e Pn	06:03:38.30	HZ					PESTR	e S	09:32:27.74	HE				
	e Pg	06:03:41.23	HZ					PTEO	e S	09:32:28.52	HN				
	e Sg	06:04:00.77	HE					MOE	e S	09:32:33.33	HN				
	IAML	06:04:02.62	HZ	0.039	0.1			PMTG	e S	09:32:38.12	HN				
PBEJ	e Pn	06:03:40.69	EZ					PSARD	e S	09:32:47.30	HE				
	e Pg	06:03:44.05	EZ												
	e Sg	06:04:04.69	EE												
	IAML	06:04:06.83	EZ	0.022	0.2										
PLOUS	e Pn	06:03:41.30	HZ												
	e Pg	06:03:45.05	HZ												
	e Sg	06:04:07.63	HE												
	IAML	06:04:11.42	HZ	0.017	0.2										
PBAR	e Pn	06:03:42.66	HZ												
	e Sg	06:04:10.86	HE												
	IAML	06:04:12.67	HZ	0.009	0.3										
EVO	e Pn	06:03:47.31	HZ												
	e Sg	06:04:19.82	HE												
	IAML	06:04:24.72	HZ	0.021	0.1										
MOE	e Pn	06:03:47.92	HZ												
	e Pg	06:03:54.06	HZ												
	e Sg	06:04:21.99	HE												
	IAML	06:04:28.19	HZ	0.012	0.3										
PAZOI	e Pn	06:03:50.40	HZ												
	e Sn	06:04:18.70	HN												
	e Sg	06:04:29.69	HN												
	IAML	06:04:35.73	HZ	0.006	1.0										
PESTR	e Pn	06:03:51.72	HZ												
	e Sg	06:04:29.30	HE												
	IAML	06:04:34.00	HZ	0.006	0.5										
PMTG	e Pn	06:03:54.72	HZ												
	e Sg	06:04:37.09	HN												
	IAML	06:04:42.19	HZ	0.011	0.6										
PMAFR	e Pn	06:03:57.63	HZ												
	e Sn	06:04:31.60	HE												
	e Sg	06:04:44.38	HE												
PMRV	e Pn	06:03:58.85	HZ												
	e Sg	06:04:46.86	HE												
	IAML	06:04:55.06	HZ	0.006	0.6										
PSARD	e Pn	06:04:01.91	HZ												
	e Sn	06:04:39.74	HN												
	e Sg	06:04:52.68	HE												
	IAML	06:04:57.53	HZ	0.011	0.2										
PSBE	e Pn	06:04:02.89	HZ												
	e Sg	06:04:54.11	HN												
	IAML	06:05:01.20	HZ	0.006	0.4										
PCBR	e Pn	06:04:05.45	EZ												
	e Sn	06:04:43.88	EN												
	IAML	06:05:03.45	EZ	0.003	0.5										
PCAS	e Sg	06:05:10.72	HE												
	IAML	06:05:17.33	HZ	0.006	0.3										
MTE	e Pn	06:04:12.41	HZ												
PVIS	e Pn	06:04:16.60	HZ												
MVO	e Pn	06:04:24.02	HZ												
<b>31-Jan</b>															
<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	09:30:55.68		HZ											
	e S	09:31:36.78		H1											
	IAML	09:31:37.68		HZ	0.003	0.5									
PBAR	e P	09:30:57.18		HZ											
	e S	09:31:36.81		HE											
	IAML	09:31:41.18		HZ	0.002	0.4									
PBDV	e S	09:31:38.30		HN											
PCVE	e S	09:31:45.26		HN											
MESJ	e S	09:31:51.03		HN											
PFVI	e S	09:31:54.67		HE											
<b>31-Jan</b>															
<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 S	09:32:07.57		H2											
	IAML	09:32:09.86		HZ	0.003	0.4									
PBAR	e S	09:32:07.66		HE											
	IAML	09:32:13.48		HZ	0.002	0.2									
PCVE	e S	09:32:15.52		HN											
	IAML	09:32:19.68		HZ	0.004	0.4									
MESJ	e S	09:32:21.57		HN											
EVO	e S	09:32:27.02		HN											
PLOUS	e S	09:32:27.50		HE											
<b>31-Jan</b>															
<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 S	09:32:07.57		H2											
	IAML	09:32:09.86		HZ	0.003	0.4									
PBAR	e S	09:32:07.66		HE											
	IAML	09:32:13.48		HZ	0.002	0.2									
PCVE	e S	09:32:15.52		HN											
	IAML	09:32:19.68		HZ	0.004	0.4									
MESJ	e S	09:32:21.57		HN											
EVO	e S	09:32:27.02		HN											
PLOUS	e S	09:32:27.50		HE											
<b>31-Jan</b>															
<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 S	09:32:07.57		H2											
	IAML	09:32:09.86		HZ	0.003	0.4									
PBAR	e S	09:32:07.66		HE											
	IAML	09:32:13.48		HZ	0.002	0.2									
PCVE	e S	09:32:15.52		HN											
	IAML	09:32:19.68		HZ	0.004	0.4									
MESJ	e S	09:32:21.57		HN											
EVO	e S	09:32:27.02		HN											
PLOUS	e S	09:32:27.50		HE											
<b>31-Jan</b>															
<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 S	09:32:07.57		H2											
	IAML	09:32:09.86		HZ	0.003	0.4									
PBAR	e S	09:32:07.66		HE											
	IAML	09:32:13.48		HZ	0.002	0.2									
PCVE	e S	09:32:15.52		HN											
	IAML	09:32:19.68		HZ	0.004	0.4									
MESJ	e S	09:32:21.57		HN											
EVO	e S	09:32:27.02		HN											
PLOUS	e S	09:32:27.50		HE											
<b>31-Jan</b>															
<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 S	09:32:07.57		H2											
	IAML	09:32:09.86		HZ	0.003	0.4									
PBAR	e S	09:32:07.66		HE											
	IAML	09:32:13.48		HZ	0.002	0.2									
PCVE	e S	09:32:15.52		HN											
	IAML	09:32:19.68		HZ	0.004	0.4									
MESJ	e S	09:32:21.57		HN											
EVO	e S	09:32:27.02		HN											
PLOUS	e S	09:32:27.50		HE											
<b>31-Jan</b>															
<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 S	09:32:07.57		H2											
	IAML	09:32:09.86		HZ	0.003	0.4									
PBAR	e S	09:32:07.66		HE											
	IAML	09:32:13.48		HZ	0.002	0.2									
PCVE	e S	09:32:15.52		HN											
	IAML	09:32:19.68		HZ	0.004	0.4									
MESJ	e S	09:32:21.57		HN											
EVO	e S	09:32:27.02		HN											
PLOUS	e S	09:32:27.50		HE											
<b>31-Jan</b>															
<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 S	09:32:07.57		H2											
	IAML	09:32:09.86		HZ	0.003	0.4									
PBAR	e S	09:32:07.66		HE											
	IAML	09:32:13.48		HZ	0.002	0.2									
PCVE	e S	09:32:15.52		HN											
	IAML	09:32:19.68		HZ	0.004	0.4									
MESJ	e S	09:32:21.57		HN											
EVO	e S	09:32:27.02		HN											

PBEJ	e PKPdf	11:41:53.69	SZ
	e PP	11:47:00.31	SZ
PCVE	e PKPdf	11:41:54.51	BZ
	e PP	11:46:49.04	BZ
PBAR	e PKPdf	11:41:54.01	BZ
	e PP	11:46:49.48	BZ
PBDV	e PKPdf	11:41:54.01	BZ
	e PP	11:46:55.12	BZ
PVAQ	e PKPdf	11:41:53.10	BZ
	e PP	11:46:53.74	BZ

**31-Jan Ho 11:56:36.0 Distante (NEIC) mb 5.3**  
**Lat 14.487°N Lon 56.401°E Prof 10**  
**Região: Owen Fracture Zone Region**

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PBAR	e P	12:06:44.95	BZ			
	I Amb	12:06:51.35	BZ	0.019	1.9	
PBRG	e P	12:06:46.39	BZ			
	I Amb	12:06:56.96	BZ	0.024	1.6	
MVO	e P	12:06:47.75	BZ			
PMRV	e P	12:06:47.60	BZ			
	I Amb	12:06:49.46	BZ	0.024	1.8	
PCBR	e P	12:06:48.43	SZ			
PVAQ	e P	12:06:48.51	BZ			
MTE	e P	12:06:49.73	BZ			
PBEJ	e P	12:06:49.70	SZ			
	I Amb	12:06:50.53	SZ	0.025	1.5	
PCVE	e P	12:06:50.26	BZ			
EVO	e P	12:06:50.94	BZ			
	I Amb	12:07:07.28	BZ	0.019	1.3	
POLO	e P	12:06:51.84	BZ			
PVIS	e P	12:06:51.00	BZ			
MESJ	e P	12:06:51.51	BZ			
	I Amb	12:07:00.15	BZ	0.034	1.8	
PMTG	e P	12:06:52.84	BZ			
PLOUS	e P	12:06:52.73	BZ			
	I Amb	12:06:53.72	BZ	0.022	1.4	
PCAS	e P	12:06:57.19	BZ			
PGAV	e P	12:06:56.73	BZ			
PFVI	e P	12:06:54.67	BZ			
PMPS	e P	12:07:34.50	EZ			
	I Amb	12:07:41.16	EZ	0.199	1.6	
PMPST	e P	12:07:35.18	BZ			

**31-Jan Ho 12:14:36.4 Distante (NEIC) Mw 5.9**  
**Lat 29.568°S Lon 176.803°W Prof 15**  
**Região: Kermadec Islands Region**

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PMOZ	e PKPdf	12:34:45.52	BZ			
FUL	e PKPdf	12:34:40.59	EZ			
PGAV	e PKPdf	12:34:43.82	BZ			
PCAB	e PKPdf	12:34:42.38	SZ			
PTO	e PKPdf	12:34:41.77	SZ			
POLO	e PKPdf	12:34:43.85	BZ			
PVRL	e PKPdf	12:34:42.38	SZ			
PBRG	e PKPdf	12:34:42.37	BZ			
PVIS	e PKPdf	12:34:46.77	BZ			
COI	e PKPdf	12:34:41.48	BZ			
MVO	e PKPdf	12:34:41.77	BZ			
PCAS	e PKPdf	12:34:43.24	BZ			
PSBE	e PKPdf	12:34:42.65	BZ			
MTE	e PKPdf	12:34:44.15	BZ			
PMAFR	e PKPdf	12:34:42.93	BZ			
PSARD	e PKPdf	12:34:40.61	BZ			
PCBR	e PKPdf	12:34:45.01	SZ			
PMTG	e PKPdf	12:34:43.86	BZ			
PMRV	e PKPdf	12:34:43.23	BZ			
MOE	e PKPdf	12:34:44.99	BZ			
EVO	e PKPdf	12:34:43.27	BZ			
PESTR	e PKPdf	12:34:45.60	BZ			
PLOUS	e PKPdf	12:34:43.84	BZ			
PTEO	e PKPdf	12:34:45.87	BZ			
MESJ	e PKPdf	12:34:45.02	BZ			
PFVI	e PKPdf	12:34:45.01	BZ			
MORF	e PKPdf	12:34:42.95	BZ			
PBEJ	e PKPdf	12:34:49.14	SZ			
PCVE	e PKPdf	12:34:44.74	BZ			
PBAR	e PKPdf	12:34:46.47	BZ			

PBDV	e PKPdf	12:34:46.02	BZ
PVAQ	e PKPdf	12:34:45.03	BZ

**31-Jan Ho 12:38:15.0 Distante (NEIC) Mw 5.4**  
**Lat 14.436°N Lon 56.332°E Prof 10**  
**Região: Owen Fracture Zone Region**

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PBAR	e P	12:48:24.89	BZ			
	I Amb	12:48:38.99	BZ	0.029	1.9	
MVO	e P	12:48:28.69	BZ			
	I Amb	12:48:36.75	BZ	0.026	2.4	
PMRV	e P	12:48:28.01	BZ			
	I Amb	12:48:42.49	BZ	0.027	1.6	
PVAQ	e P	12:48:29.06	BZ			
PBDV	e P	12:48:30.04	BZ			
PBEJ	e P	12:48:29.47	SZ			
	I Amb	12:48:44.35	SZ	0.022	1.5	
PCVE	e P	12:48:30.21	BZ			
	I Amb	12:48:32.19	BZ	0.020	1.3	
EVO	e P	12:48:30.93	BZ			
	I Amb	12:48:45.59	BZ	0.021	1.8	
PVRL	e P	12:48:31.50	SZ			
POLO	e P	12:48:31.63	BZ			
PVIS	e P	12:48:29.96	BZ			
MESJ	e P	12:48:31.67	BZ			
PMAFR	e P	12:48:38.47	BZ			

**31-Jan Ho 12:42:18.4 Distante (NEIC) mb 5.2**  
**Lat 14.451°N Lon 56.383°E Prof 10**  
**Região: Owen Fracture Zone Region**

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PBAR	e P	12:52:28.79	BZ			
	I Amb	12:52:37.36	BZ	0.028	1.7	
PCBR	e P	12:52:33.76	SZ			
PBEJ	e P	12:52:34.64	SZ			
	I Amb	12:52:41.74	SZ	0.026	1.6	
PCVE	e P	12:52:35.70	BZ			
EVO	e P	12:52:34.72	BZ			
	I Amb	12:52:43.35	BZ	0.023	1.7	
MESJ	e P	12:52:34.61	BZ			
	I Amb	12:52:43.71	BZ	0.033	1.6	

**31-Jan Ho 14:27:52.3 ML 1.9**  
**Lat 35.397°N Lon 03.675°W Prof 20\***  
**Região: NE Al Hoceima (MARR)**  
**AxMax 3.4 AxMin 3.1 Ang 148 ErrZ 0**

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PVAQ	e P	14:28:51.48	HZ			
	e S	14:29:33.70	H2			
	I AML	14:29:39.40	HZ	0.002	0.8	
PBAR	e P	14:28:50.89	HZ			
	e S	14:29:34.76	HN			
PBDV	e P	14:28:52.35	HZ			
	e S	14:29:36.99	HN			
PCVE	e P	14:28:55.98	HZ			
	e S	14:29:42.55	HN			
	I AML	14:29:49.19	HZ	0.002	0.6	
MESJ	e P	14:28:59.16	HZ			
	e S	14:29:48.50	HN			
MOE	e P	14:29:05.88	HZ			
	e S	14:29:59.30	HN			
PSARD	e S	14:30:14.12	HN			

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PVAQ	e P	14:59:26.33	HZ			
	e S	15:00:06.79	H2			
	I AML	15:00:11.83	HZ	0.002	0.6	
PBAR	e P	14:59:28.25	HZ			
	e S	15:00:08.11	HE			



<b>31-Jan</b>	<b>Ho</b>	<b>23:49:36.4</b>			<b>ML 1.2</b>
	<b>Lat</b>	<b>41.757°N</b>	<b>Lon</b>	<b>08.514°W</b>	<b>Prof 13</b>
	<b>Região:</b>	<b>E</b>	<b>Ponte de Lima</b>		<b>Rms 0.3</b>
	<b>AxMax</b>	<b>3.8</b>	<b>AxMin</b>	<b>1.9</b>	<b>Ang 77</b>
					<b>ErrZ 4</b>
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp Per</i>
PGAV	e Pg	c 23:49:42.23		HZ	
	e Sg	23:49:46.41		HE	
	IAML	23:49:46.79		HZ	0.012 0.1
PCAB	e Pg	c 23:49:43.62		EZ	
	e Sg	23:49:48.83		EN	
	IAML	23:49:49.40		EZ	0.022 0.3
PTO	e S	23:49:56.01		EE	
POLO	e P	23:49:48.60		HZ	
	e S	23:49:57.57		HN	
	IAML	23:49:57.70		HZ	0.003 0.2
PVRL	e P	23:49:50.46		EZ	
	e S	23:50:00.67		EE	
	IAML	23:50:01.74		EZ	0.009 0.2
PVIS	e S	23:50:11.53		HE	
MVO	e S	23:50:15.11		HE	

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 2022

