

**BOLETIM  
SISMOLÓGICO  
PRELIMINAR  
DO CONTINENTE E  
MADEIRA**

**Boletim Sismológico Preliminar do Continente e Madeira**  
Editado — 2020

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## Divisão de Geofísica

### BOLETIM SISMOLÓGICO PRELIMINAR DO CONTINENTE E DA MADEIRA

# MARÇO DE 2020

#### 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 <i>hypocent</i> (Lienert, B.; Berg, E.; Frazer, N., (1986), <i>Hypocenter: An Earthquake Location Method Using Centered, Scaled, and Adaptively Damped Least Squares</i> , 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
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
01-03-2020	01:00:28.5	37.303°N	08.546°W	15	1.2 ml	SE Monchique	0.4	
01-03-2020	03:10:08.1	37.049°N	05.295°W	11	1.9 ml	SE Sevilha (ESP)	0.5	
01-03-2020	04:52:38.0	36.404°N	12.046°W	33*	2.1 ml	Gorringe	0.4	
01-03-2020	11:34:59.6	36.915°N	10.278°W	1*	1.7 ml	Gorringe	0.3	
01-03-2020	16:54:07.2	36.550°N	07.622°W	13	1.3 ml	Golfo de Cádiz	0.4	
01-03-2020	19:04:24.3	36.552°N	09.737°W	17	1.7 ml	SW Cabo S.Vicente	0.3	
01-03-2020	19:55:43.5	38.541°N	07.874°W	5*	0.9 ml	SE Evora	0.2	
01-03-2020	20:53:02.6	37.653°N	08.390°W	2*	0.8 ml	W Ourique	0.3	
02-03-2020	03:53:43.0	38.410°N	08.081°W	4*	1.2 ml	NW Viana do Alentejo	0.4	
02-03-2020	07:12:53.6	39.358°N	11.612°W	38*	1.8 ml	Canhão da Nazaré	0.4	
02-03-2020	07:35:12.3	36.847°N	07.052°W	0*	1.7 ml	Golfo de Cádiz	0.4	
03-03-2020	05:49:09.7	37.033°N	09.783°W	14	1.6 ml	W Cabo S.Vicente	0.3	
03-03-2020	09:27:06.1	34.291°N	05.752°W	23	2.6 ml	NW Fez (Marr)	0.3	
03-03-2020	10:28:06.5	34.381°N	05.505°W	22	1.8 ml	NW Fez (Marr)	0.3	
03-03-2020	11:27:41.8	36.637°N	11.221°W	29*	1.8 ml	Gorringe	0.3	
03-03-2020	12:57:30.6	38.721°N	07.895°W	13	1.2 ml	E Arraiolos	0.3	
03-03-2020	15:46:07.1	36.638°N	11.157°W	39*	2.6 ml	Gorringe	0.4	
03-03-2020	15:54:07.4	35.264°N	14.519°W	25*	2.6 ml	Horseshoe-Ampère	0.4	
03-03-2020	17:05:11.9	36.547°N	07.947°W	26	1.7 ml	Golfo de Cádiz	0.3	
04-03-2020	11:07:26.0	36.613°N	11.161°W	22*	2.0 ml	Gorringe	0.3	
04-03-2020	11:56:52.4	36.681°N	07.437°W	21	1.2 ml	Golfo de Cádiz	0.4	
04-03-2020	12:36:28.7	37.208°N	09.380°W	34*	1.3 ml	NW Cabo S.Vicente	0.3	
04-03-2020	17:50:04.4	35.828°N	05.248°W	13	1.7 ml	SE Ceuta	0.4	
04-03-2020	20:59:23.8	39.976°N	00.524°W	2*	2.7 ml	W Castellon de La Plana	0.4	
05-03-2020	05:48:41.2	39.228°N	10.044°W	15	1.7 ml	Canhão da Nazaré	0.3	
05-03-2020	10:40:11.0	36.710°N	07.028°W	36*	1.8 ml	Golfo de Cádiz	0.4	
05-03-2020	17:02:37.6	34.282°N	05.655°W	19	2.5 ml	NW Fez (Marr)	0.4	
05-03-2020	22:45:34.7	36.935°N	08.680°W	6	1.2 ml	S Lagos	0.3	
06-03-2020	04:13:07.5	39.882°N	08.663°W	0*	0.9 ml	SW Pombal	0.2	
06-03-2020	10:31:20.7	36.957°N	08.153°W	4*	1.0 ml	SE Albufeira	0.5	
06-03-2020	23:18:06.7	37.100°N	05.245°W	14	1.7 ml	SE Sevilha (ESP)	0.5	
07-03-2020	02:21:54.3	38.723°N	07.906°W	15	0.4 ml	E Arraiolos	0.2	
07-03-2020	03:40:31.1	38.384°N	06.820°W	2*	0.9 ml	NE Barrancos	0.4	
07-03-2020	03:47:24.7	38.057°N	08.570°W	15	0.9 ml	S Grândola	0.1	
07-03-2020	05:51:37.0	37.069°N	05.262°W	7	1.4 ml	SE Sevilha (ESP)	0.4	
07-03-2020	08:11:39.0	37.658°N	09.624°W	12	1.3 ml	SW Sines	0.3	
07-03-2020	08:49:34.7	37.229°N	07.892°W	0	1.0 ml	N S.Brás de Alportel	0.5	
07-03-2020	16:38:55.3	38.825°N	09.548°W	13	0.8 ml	NW Sintra	0.4	
07-03-2020	20:58:06.0	32.330°N	16.757°W	4*	5.2 ml	SW Desertas (Madeira)	0.5	V
07-03-2020	21:22:33.9	32.335°N	16.863°W	5*	2.2 ml	S Funchal (Madeira)	0.4	
08-03-2020	00:29:17.5	36.819°N	08.566°W	11	1.4 ml	SE Lagos	0.3	
08-03-2020	03:42:07.1	32.325°N	16.760°W	5*	1.7 ml	SW Desertas (Madeira)	0.1	
08-03-2020	04:33:01.2	36.406°N	07.827°W	28	1.9 ml	Golfo de Cádiz	0.4	
08-03-2020	05:49:03.3	39.503°N	07.996°W	20	0.7 ml	NW Belver	0.1	
08-03-2020	05:54:41.8	37.310°N	08.549°W	14	0.6 ml	SE Monchique	0.2	
08-03-2020	08:13:47.6	32.295°N	16.933°W	11*	1.6 ml	S Funchal (Madeira)	0.1	
08-03-2020	12:36:37.5	39.754°N	08.584°W	6*	0.7 ml	N Vila Nova de Ourém	0.3	
08-03-2020	12:57:44.9	36.977°N	05.286°W	15	2.8 ml	SE Sevilha (ESP)	0.5	
09-03-2020	06:37:36.9	38.760°N	09.456°W	1*	1.2 ml	SW Sintra	0.4	
09-03-2020	11:59:16.9	38.170°N	08.872°W	24	0.9 ml	NW Melides	0.3	
09-03-2020	13:10:06.5	36.685°N	11.251°W	29*	1.8 ml	Gorringe	0.4	
09-03-2020	16:04:34.5	33.730°N	14.660°W	10*	3.3 ml	NE Porto Santo (Madeira)	0.4	
09-03-2020	19:31:34.9	30.423°N	07.987°W	18*	3.0 ml	Morocco	0.5	
09-03-2020	22:21:58.0	39.005°N	10.980°W	33*	1.6 ml	Canhão da Nazaré	0.4	
10-03-2020	00:11:45.0	37.200°N	07.433°W	2*	1.3 ml	SE Castro Marim	0.3	
10-03-2020	06:22:11.2	32.465°N	16.533°W	14*	1.5 ml	SW Desertas (Madeira)	0.1	
10-03-2020	06:58:30.5	36.935°N	08.635°W	27	1.1 ml	SE Lagos	0.3	
10-03-2020	20:47:30.6	36.778°N	09.706°W	21	1.4 ml	SW Cabo S.Vicente	0.2	
10-03-2020	23:16:05.0	37.172°N	08.609°W	18	0.5 ml	NW Portimão	0.1	
11-03-2020	01:04:56.9	37.286°N	08.328°W	20	1.0 ml	NE Silves	0.3	
11-03-2020	03:53:09.3	36.932°N	10.933°W	31*	1.5 ml	Gorringe	0.3	
11-03-2020	04:46:58.3	36.992°N	05.343°W	9	1.3 ml	SE Sevilha (ESP)	0.3	

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11-03-2020	05:00:17.0	39.756°N	08.748°W	0*	0.7 ml	NE Leiria	0.2	
11-03-2020	06:27:26.4	35.944°N	10.558°W	29	1.9 ml	Mar de Marrocos	0.4	
11-03-2020	06:52:44.1	38.774°N	09.668°W	0	1.1 ml	NW Cascais	0.1	
11-03-2020	11:00:46.0	36.630°N	11.160°W	31*	1.5 ml	Gorringe	0.2	
11-03-2020	20:41:02.5	37.083°N	05.237°W	4	1.8 ml	SE Sevilha (ESP)	0.3	
11-03-2020	21:37:30.3	38.023°N	08.577°W	11	0.9 ml	E Santiago do Cacém	0.3	
11-03-2020	23:00:39.4	36.579°N	07.910°W	26	1.8 ml	Golfo de Cádiz	0.4	
12-03-2020	00:31:57.9	36.608°N	09.561°W	22	1.4 ml	SW Cabo S.Vicente	0.3	
12-03-2020	03:41:37.6	36.498°N	09.749°W	14	1.4 ml	SW Cabo S.Vicente	0.3	
12-03-2020	07:12:45.6	38.362°N	07.943°W	2*	1.7 ml	NE Viana do Alentejo	0.3	
12-03-2020	11:51:51.1	36.531°N	07.595°W	21	1.1 ml	Golfo de Cádiz	0.5	
12-03-2020	15:53:17.2	42.995°N	01.233°W	2*	2.4 ml	Pirinéus (ESP)	0.5	
12-03-2020	18:43:16.2	38.921°N	08.349°W	22	0.4 ml	SE Coruche	0.2	
12-03-2020	22:03:60.0	38.056°N	08.576°W	1*	2.7 ml	NE Santiago do Cacém	0.5	III
12-03-2020	23:22:46.9	35.867°N	10.135°W	28*	1.6 ml	Mar de Marrocos	0.4	
13-03-2020	02:42:18.5	36.872°N	05.470°W	4	1.1 ml	SE Sevilha (ESP)	0.4	
13-03-2020	10:42:59.6	37.361°N	06.879°W	21	0.8 ml	NE Huelva (ESP)	0.3	
13-03-2020	15:21:19.9	41.922°N	07.161°W	17	2.2 ml	NW Vinhais	0.4	
13-03-2020	17:24:46.4	36.710°N	08.269°W	18	1.2 ml	S Albufeira	0.4	
13-03-2020	20:54:04.4	36.878°N	08.523°W	19	1.3 ml	SW Lagoa	0.4	
14-03-2020	00:01:48.4	38.037°N	08.586°W	3*	0.9 ml	NE Santiago do Cacém	0.3	
14-03-2020	04:57:45.6	37.102°N	13.685°W	31*	1.9 ml	Josephine	0.5	
14-03-2020	06:39:17.1	39.403°N	00.070°E	17	2.6 ml	E Valência (ESP)	0.5	
14-03-2020	07:34:31.7	40.181°N	08.416°W	17	1.9 ml	SE Coimbra	0.4	
14-03-2020	08:47:31.9	36.680°N	11.089°W	31*	1.6 ml	Gorringe	0.3	
14-03-2020	09:49:41.1	37.245°N	08.432°W	20	1.5 ml	NE Silves	0.3	
14-03-2020	11:51:02.8	36.684°N	07.507°W	22	1.6 ml	Golfo de Cádiz	0.4	
14-03-2020	14:52:25.4	36.425°N	07.805°W	16	1.6 ml	Golfo de Cádiz	0.4	
14-03-2020	15:34:41.1	39.393°N	00.062°E	11	2.8 ml	SE Valência (ESP)	0.5	
14-03-2020	18:58:01.8	35.746°N	10.176°W	19*	1.6 ml	Mar de Marrocos	0.3	
14-03-2020	19:37:25.1	40.195°N	08.432°W	13	1.0 ml	SW Coimbra	0.3	
15-03-2020	06:20:12.7	34.298°N	05.757°W	27	2.7 ml	NW Fez (Marr)	0.4	
15-03-2020	09:04:32.8	38.113°N	09.000°W	1*	1.0 ml	NW Sines	0.4	
15-03-2020	09:48:10.3	36.434°N	07.543°W	11	1.7 ml	Golfo de Cádiz	0.5	
15-03-2020	10:08:21.9	32.297°N	16.836°W	5*	3.4 ml	SW Desertas (Madeira)	0.5	III
15-03-2020	14:33:09.4	38.736°N	07.988°W	17	0.7 ml	NE Arraiolos	0.3	
16-03-2020	03:57:23.9	37.075°N	08.555°W	18	0.8 ml	S Portimão	0.3	
16-03-2020	21:41:30.5	38.386°N	08.038°W	2*	1.3 ml	NW Viana do Alentejo	0.4	
17-03-2020	00:32:48.1	37.167°N	15.221°W	18*	2.5 ml	Madeira-Tore	0.4	
17-03-2020	01:57:39.2	36.642°N	07.462°W	18	0.9 ml	Golfo de Cádiz	0.3	
17-03-2020	02:25:50.0	37.667°N	07.787°W	11	1.2 ml	NW Mértola	0.3	
17-03-2020	05:42:06.3	37.068°N	13.608°W	4*	2.5 ml	Josephine	0.3	
17-03-2020	08:22:57.4	36.597°N	09.405°W	2*	1.5 ml	SW Cabo S.Vicente	0.3	
17-03-2020	10:12:07.8	37.328°N	08.546°W	15	0.5 ml	NE Monchique	0.1	
17-03-2020	15:42:39.6	38.706°N	07.836°W	16	0.9 ml	E Arraiolos	0.2	
17-03-2020	17:52:34.0	36.265°N	08.156°W	31	1.8 ml	SW Faro	0.3	
18-03-2020	03:51:06.1	38.782°N	07.977°W	9	0.9 ml	NE Arraiolos	0.3	
18-03-2020	05:34:43.7	37.858°N	03.970°W	22	1.9 ml	E Cordova (ESP)	0.4	
18-03-2020	06:22:22.7	38.780°N	07.982°W	9	0.4 ml	NE Arraiolos	0.3	
18-03-2020	08:09:33.8	36.654°N	07.494°W	17	1.2 ml	Golfo de Cádiz	0.3	
18-03-2020	12:28:33.8	38.800°N	09.155°W	14	1.0 ml	SE Loures	0.2	
18-03-2020	13:07:28.9	32.379°N	16.767°W	2*	1.9 ml	SW Desertas (Madeira)	0.2	
18-03-2020	20:20:14.8	34.534°N	05.547°W	20	1.8 ml	NW Fez (Marr)	0.3	
19-03-2020	03:43:06.1	36.226°N	08.143°W	27	1.6 ml	SW Faro	0.3	
19-03-2020	09:27:15.1	34.928°N	11.853°W	23*	2.3 ml	Madeira Islands, Portugal	0.3	
19-03-2020	15:34:15.1	34.519°N	05.567°W	22	2.2 ml	NW Fez (Marr)	0.4	
19-03-2020	17:35:13.3	32.413°N	05.494°W	29	2.5 ml	SW Fez (Marr)	0.4	
20-03-2020	04:51:33.7	36.630°N	07.220°W	18	1.6 ml	Golfo de Cádiz	0.4	
20-03-2020	04:53:59.0	38.128°N	09.117°W	14	0.9 ml	NW Sines	0.2	
20-03-2020	07:29:31.9	38.394°N	09.398°W	2*	1.2 ml	W Sesimbra	0.4	
20-03-2020	08:41:09.6	37.327°N	08.443°W	13	0.9 ml	E Monchique	0.3	
20-03-2020	10:25:60.0	37.424°N	11.301°W	64	3.3 ml	Abissal do Tejo	0.5	
20-03-2020	12:21:16.2	36.646°N	09.693°W	19	1.5 ml	SW Cabo S.Vicente	0.4	
20-03-2020	15:27:21.5	35.706°N	04.745°W	32	1.8 ml	Alboran	0.4	
20-03-2020	15:30:54.8	36.564°N	07.567°W	24	3.1 ml	Golfo de Cádiz	0.4	
20-03-2020	18:03:01.9	36.725°N	07.539°W	22	0.4 ml	Golfo de Cádiz	0.3	
20-03-2020	21:27:27.9	36.742°N	07.490°W	22	1.4 ml	Golfo de Cádiz	0.3	
21-03-2020	00:25:17.6	36.372°N	08.542°W	5*	1.3 ml	SE Lagos	0.2	
21-03-2020	00:26:00.6	36.535°N	07.656°W	20	1.2 ml	Golfo de Cádiz	0.2	

Boletim Sismológico Preliminar do Continente e Madeira  
Março 2020

21-03-2020	02:06:22.7	32.427°N	16.654°W	29	1.6 ml	SW Desertas (Madeira)	0.1
21-03-2020	20:28:59.0	37.208°N	08.602°W	21	0.4 ml	NW Portimão	0.3
21-03-2020	21:36:42.5	36.288°N	07.891°W	18	1.0 ml	Golfo de Cádiz	0.5
21-03-2020	23:51:06.9	35.405°N	09.665°W	31	1.5 ml	Mar de Marrocos	0.4
22-03-2020	00:06:29.5	39.548°N	08.894°W	11	0.5 ml	E Alcobaça	0.3
22-03-2020	02:04:12.1	38.248°N	09.276°W	11	0.9 ml	SW Sesimbra	0.2
22-03-2020	04:12:54.9	38.613°N	06.996°W	2*	1.3 ml	SE Olivença	0.4
22-03-2020	07:36:41.9	37.316°N	08.600°W	12	0.4 ml	W Monchique	0.3
22-03-2020	09:20:41.9	36.494°N	12.142°W	26*	2.4 ml	Gorringe	0.4
22-03-2020	11:54:25.4	36.671°N	09.679°W	21	1.5 ml	SW Cabo S.Vicente	0.3
22-03-2020	12:20:51.7	38.411°N	07.788°W	1*	1.1 ml	NW Portel	0.4
22-03-2020	22:02:21.9	35.631°N	09.700°W	25*	1.6 ml	Mar de Marrocos	0.4
23-03-2020	04:42:57.8	39.436°N	00.062°E	13	3.5 ml	E Valência (ESP)	0.5
23-03-2020	04:49:57.6	37.328°N	08.516°W	6	0.8 ml	NE Monchique	0.4
23-03-2020	12:06:15.6	37.302°N	08.566°W	13	0.4 ml	SW Monchique	0.1
23-03-2020	23:15:00.8	36.496°N	09.428°W	21	1.4 ml	SW Cabo S.Vicente	0.3
24-03-2020	01:05:19.1	35.486°N	03.746°W	15	2.0 ml	NE Al Hoceima (MARR)	0.3
24-03-2020	06:01:48.2	36.876°N	13.617°W	37*	2.1 ml	Josephine	0.4
24-03-2020	21:48:35.1	38.611°N	08.475°W	2	0.7 ml	S Vendas Novas	0.3
24-03-2020	22:18:36.4	36.502°N	08.466°W	16	1.1 ml	SW Albufeira	0.3
25-03-2020	02:28:48.7	37.321°N	08.560°W	12	0.9 ml	N Monchique	0.3
25-03-2020	04:05:53.0	36.978°N	05.316°W	11	1.2 ml	SE Sevilha (ESP)	0.3
25-03-2020	06:23:13.1	41.071°N	08.544°W	5	1.3 ml	S Gondomar	0.3
26-03-2020	04:13:56.2	32.411°N	17.143°W	3*	1.4 ml	SW Ribeira Brava (Madeira)	0.4
26-03-2020	04:28:17.0	37.328°N	08.523°W	7	1.4 ml	NE Monchique	0.4
26-03-2020	06:26:35.7	32.322°N	16.882°W	5*	1.7 ml	S Funchal (Madeira)	0.3
26-03-2020	21:58:41.5	36.929°N	13.652°W	57	1.8 ml	Josephine	0.5
27-03-2020	03:05:01.2	35.471°N	03.857°W	51	1.9 ml	NE Al Hoceima (MARR)	0.4
27-03-2020	05:17:43.1	38.736°N	07.952°W	18	0.2 ml	NE Arraiolos	0.2
27-03-2020	07:41:31.9	36.894°N	08.289°W	19	0.5 ml	SW Albufeira	0.2
27-03-2020	07:50:07.9	45.077°N	13.227°W	10*	2.4 ml	North Atlantic Ocean	0.5
27-03-2020	18:39:12.4	40.873°N	08.076°W	12	1.4 ml	W Castro Daire	0.4
27-03-2020	21:48:23.7	35.557°N	06.840°W	31	2.0 ml	Costa de Marrocos	0.5
27-03-2020	22:54:24.0	35.829°N	10.193°W	32	2.4 ml	Mar de Marrocos	0.5
28-03-2020	03:41:02.8	38.776°N	07.999°W	11	0.3 ml	N Arraiolos	0.3
28-03-2020	05:50:04.0	38.155°N	09.055°W	18	0.6 ml	NW Sines	0.2
28-03-2020	06:30:05.2	36.669°N	08.192°W	17	1.3 ml	SW Faro	0.4
28-03-2020	07:10:16.3	36.488°N	11.062°W	30*	1.3 ml	Gorringe	0.4
28-03-2020	09:20:31.0	37.336°N	07.899°W	1	0.9 ml	N S.Brás de Alportel	0.3
28-03-2020	12:03:53.2	37.266°N	07.713°W	1	0.9 ml	NW Tavira	0.3
28-03-2020	13:37:57.0	36.737°N	05.115°W	22	3.1 ml	W Malaga (ESP)	0.5
28-03-2020	13:40:57.3	36.760°N	05.144°W	24	1.6 ml	W Malaga (ESP)	0.4
28-03-2020	15:05:25.3	36.789°N	05.118°W	23	1.9 ml	W Malaga (ESP)	0.5
28-03-2020	16:25:52.5	36.998°N	08.374°W	0	0.8 ml	SW Albufeira	0.3
28-03-2020	16:39:17.5	36.960°N	08.756°W	26	0.9 ml	SW Lagos	0.4
28-03-2020	18:49:45.3	36.717°N	05.133°W	17	1.7 ml	W Malaga (ESP)	0.5
28-03-2020	20:16:53.2	36.782°N	05.080°W	22	2.4 ml	W Malaga (ESP)	0.5
29-03-2020	02:09:47.1	37.298°N	08.581°W	15	0.2 ml	SW Monchique	0.1
29-03-2020	03:49:38.8	41.459°N	08.399°W	19	0.9 ml	NW Guimarães	0.3
29-03-2020	05:49:16.2	36.586°N	09.850°W	11	1.2 ml	SW Cabo S.Vicente	0.3
29-03-2020	07:26:11.3	36.664°N	12.683°W	10*	1.9 ml	Gorringe	0.4
29-03-2020	10:19:35.9	36.715°N	10.607°W	25*	1.5 ml	Gorringe	0.3
29-03-2020	12:50:43.7	41.441°N	08.387°W	19	1.4 ml	W Guimarães	0.4
29-03-2020	13:18:08.0	38.722°N	07.901°W	19	0.5 ml	E Arraiolos	0.3
29-03-2020	18:41:26.1	38.943°N	10.157°W	1*	1.2 ml	Abissal do Tejo	0.4
30-03-2020	02:27:55.4	38.770°N	07.997°W	11	-0.1 ml	N Arraiolos	0.2
30-03-2020	03:28:48.6	42.151°N	07.130°W	22	2.2 ml	NW Vinhais	0.4
30-03-2020	05:51:38.8	38.441°N	08.009°W	0*	0.3 ml	N Viana do Alentejo	0.2
30-03-2020	06:00:30.4	38.462°N	08.030°W	1*	0.7 ml	SW Evora	0.2
30-03-2020	13:06:49.5	37.141°N	05.264°W	6	1.8 ml	SE Sevilha (ESP)	0.4
30-03-2020	20:13:49.8	36.687°N	15.836°W	10*	3.8 ml	Madeira-Tore	0.4
31-03-2020	01:13:56.9	38.404°N	11.690°W	24*	1.7 ml	Abissal do Tejo	0.4
31-03-2020	12:47:20.4	37.232°N	03.711°W	2	2.1 ml	NW Granada (ESP)	0.4
31-03-2020	14:17:22.9	38.778°N	07.964°W	9	1.3 ml	NE Arraiolos	0.3
31-03-2020	18:08:42.2	37.183°N	07.286°W	0	1.1 ml	E V.R.Sto António	0.3
31-03-2020	23:32:07.0	36.098°N	08.551°W	31	2.5 ml	SE Cabo S.Vicente	0.4



01-Mar Ho 01:00:28.5 ML 1.2 Lat 37.303°N Lon 08.546°W Prof 15 Região: SE Monchique Rms 0.4 AxMax 3.2 AxMin 2.7 Ang 141 ErrZ 4							EVO e Pn 03:10:48.64 HZ e Pg 03:10:55.66 HZ e Sn 03:11:19.52 HN e Sg 03:11:30.49 HN						
Est	Fase	P h:m:s	Dur	Co	Amp	Per	MORF	e Pn	03:10:50.14 HZ	0.003	0.3		
MORF	i Pg	c 01:00:31.19		HZ			e Pg	03:10:58.18 HZ					
	e Sg	01:00:33.84		HN			e Sn	03:11:24.54 HN					
	IAML	01:00:34.03		HZ	0.026	0.1							
PTEO	i Pg	d 01:00:34.19		HZ			e Pn	03:10:51.16 HZ					
	e Sg	01:00:38.40		HN			e Sn	03:11:23.81 HN					
	IAML	01:00:41.74		HZ	0.007	0.9	IAML	03:11:46.25 HZ	0.008	0.7			
PFVI	e Pg	c 01:00:33.98		HZ			e Pn	03:10:50.85 HZ					
	e Sg	01:00:38.29		HN			e Pg	03:10:58.14 HZ					
	IAML	01:00:39.14		HZ	0.009	0.8	e Sn	03:11:26.37 HE					
PBDV	e Pg	01:00:37.99		HZ			e Sg	03:11:37.65 HE					
	e Sg	01:00:44.69		HE			IAML	03:11:40.07 HZ	0.002	0.4			
	IAML	01:00:46.59		HZ	0.006	0.5							
PCVE	e Pg	d 01:00:38.23		HZ			e Pn	03:10:51.60 HZ					
	e Sg	01:00:45.03		HN			e Sn	03:11:25.52 HN					
	IAML	01:00:45.81		HZ	0.003	0.1	IAML	03:11:46.49 HZ	0.009	0.8			
MESJ	e Pg	d 01:00:39.66		HZ			e Sn	03:11:24.66 HE					
	e Sg	01:00:47.70		HE			e Sg	03:11:38.89 HE					
	IAML	01:00:50.74		HZ	0.003	0.5	IAML	03:11:45.51 HZ	0.004	0.3			
PVAQ	e Pg	01:00:40.57		HZ			e Pg	03:10:59.35 HZ					
	e Sg	01:00:49.48		H1			e Sn	03:11:26.79 HN					
	IAML	01:00:51.46		HZ	0.012	0.2	e Sg	03:11:37.53 HN					
PBEJ	e P	01:00:44.96		EZ			IAML	03:11:45.46 HZ	0.004	0.5			
	e S	01:00:56.99		EN			e Pn	03:10:55.58 HZ					
	IAML	01:00:57.64		EZ	0.009	0.4	e Sn	03:11:28.98 HE					
MOE	e P	01:00:51.82		HZ			e Sg	03:11:46.52 HN					
	e S	01:01:06.58		HN			IAML	03:11:48.97 HZ	0.003	0.7			
	IAML	01:01:07.64		HZ	0.014	0.6							
EVO	e S	01:01:07.35		HE			e Pn	03:10:59.99 HZ					
	IAML	01:01:10.19		HZ	0.012	0.5	e Pg	03:11:10.05 HZ					
							e Sn	03:11:39.33 HN					
PBAR	e Pn	01:00:52.41		HZ			e Sg	03:11:52.78 HE					
	e Pg	01:00:55.27		HZ			IAML	03:11:58.23 HZ	0.006	0.3			
	e Sn	01:01:12.23		HN									
	e Sg	01:01:14.44		HE			e Pn	03:11:04.64 HZ					
	IAML	01:01:16.19		HZ	0.002	0.8	e Sn	03:11:46.86 HN					
PARRA	e Sn	01:01:12.40		HN			01-Mar Ho 04:52:38.0 ML 2.1 Lat 36.404°N Lon 12.046°W Prof 33* Região: Gorringer Rms 0.4 AxMax 7.6 AxMin 4.7 Ang 87 ErrZ 0						
	IAML	01:01:16.42		HZ	0.002	0.8	Est	Fase	P h:m:s	Dur	Co	Amp	Per
	e Sg	01:01:16.79		HN			PFVI	e P	04:53:16.96		HZ		
PESTR	e Sn	01:01:20.51		HN			e S	04:53:45.84		HE			
	e Sn	01:01:16.57		HE			IAML	04:53:55.28		HZ	0.008	0.9	
	e Sg	01:01:23.45		HE									
PMTG	IAML	01:01:26.03		HZ	0.002	0.7	MORF	e P	04:53:20.03		HZ		
							e S	04:53:51.06		HN			
							IAML	04:53:53.87		HZ	0.004	0.5	
PMRV	e Sn	01:01:30.75		HN			e P	04:53:20.48		HZ			
	e Sg	01:01:38.90		HN			e S	04:53:52.30		HE			
							IAML	04:54:05.13		HZ	0.007	0.7	
PSARD	e Sg	01:01:39.79		HE			PMAFR	e S	04:54:02.93		HN		
							IAML	04:54:04.03		HZ	0.013	0.2	
							MESJ	e P	04:53:26.48		HZ		
01-Mar Ho 03:10:08.1 ML 1.9 Lat 37.049°N Lon 05.295°W Prof 11 Região: SE Sevilha (ESP) Rms 0.5 AxMax 4.5 AxMin 4.0 Ang 168 ErrZ 7													
Est	Fase	P h:m:s	Dur	Co	Amp	Per							
PBAR	e Pn	03:10:36.72		HZ									
	e Pg	03:10:39.38		HZ									
	e Sn	03:11:00.19		HE									
	e Sg	03:11:04.83		HN									
PVAQ	IAML	03:11:06.80		HZ	0.004	0.6							
	e Pn	03:10:39.52		HZ									
	e Sn	03:11:04.34		H1									
	e Sg	03:11:11.65		H1									
PBDV	IAML	03:11:18.06		HZ	0.005	0.5							
	e Pn	03:10:41.96		HZ									
	e Sn	03:11:08.08		HN									
	e Sg	03:11:16.65		HE									
PCVE	IAML	03:11:23.47		HZ	0.005	0.4							
	e Pn	03:10:43.92		HZ									
	e Sg	03:11:23.12		HN									
	IAML	03:11:26.90		HZ	0.004	0.5							
MESJ	e Pn	03:10:46.30		HZ									
	e Pg	03:10:56.03		HZ									
	e Sn	03:11:17.48		HN									
	e Sg	03:11:26.73		HE									
	IAML	03:11:37.80		HZ	0.004	0.5							

PMTG	e P	04:53:33.66	HZ				
	e S	04:54:18.56	HN				
	IAML	04:54:21.62	HZ	0.002	0.3		
PSBE	e S	04:54:19.73	HE				
	IAML	04:54:26.14	HZ	0.004	0.8		
PESTR	e S	04:54:25.75	HE				
PBAR	e P	04:53:40.43	HZ				
	e S	04:54:27.25	HN				
	IAML	04:54:30.67	HZ	0.001	0.6		
PSARD	e P	04:53:40.83	HZ				
	e S	04:54:28.64	HN				
	IAML	04:54:31.55	HZ	0.003	0.2		
PCAS	e S	04:54:32.40	HN				
PMRV	e P	04:53:45.47	HZ				
	e S	04:54:35.61	HE				
	IAML	04:54:38.19	HZ	0.003	0.7		
PCBR	e S	04:54:41.38	EE				
MTE	e S	04:54:50.47	HN				
	IAML	04:54:53.28	HZ	0.003	0.6		
PVIS	e S	04:54:51.64	HN				
POLO	e S	04:55:04.97	HE				
MVO	e S	04:55:09.48	HE				
	IAML	04:55:14.46	HZ	0.003	0.5		
PGAV	e S	04:55:12.71	HN				
<hr/>							
01-Mar	Ho	11:34:59.6				ML 1.7	
	Lat	36.915°N	Lon	10.278°W		Prof 1*	
	Região:	Gorringe				Rms 0.3	
	AxMax	8.0	AxMin	6.5	Ang	70	ErrZ 0
Est	Fase	P h:m:s	Dur	Co		Amp	Per
PFVI	e P	c 11:35:21.10		HZ			
	e S	11:35:37.16		HN			
	IAML	11:35:38.18		HZ	0.008	0.2	
MORF	e P	11:35:23.75		HZ			
	e S	11:35:42.06		HE			
	IAML	11:35:43.37		HZ	0.004	0.1	
PTEO	e S	11:35:43.03		HE			
	IAML	11:35:43.83		HZ	0.012	0.8	
MESJ	e P	11:35:30.89		HZ			
	e S	11:35:54.75		HN			
	IAML	11:35:59.45		HZ	0.003	0.6	
PBDV	e S	11:35:55.23		HN			
PCVE	e P	11:35:32.18		HZ			
	e S	11:35:55.96		HE			
	IAML	11:35:58.26		HZ	0.006	0.9	
PVAQ	e P	11:35:34.21		HZ			
	e S	11:35:59.94		H2			
	IAML	11:36:02.18		HZ	0.001	0.1	
MOE	e S	11:36:02.29		HN			
	IAML	11:36:04.71		HZ	0.004	0.8	
EVO	e S	11:36:08.03		HE			
	IAML	11:36:09.89		HZ	0.001	0.1	
PARRA	e P	11:35:40.72		HZ			
	e S	11:36:11.75		HE			
	IAML	11:36:12.87		HZ	0.001	0.1	
PMTG	e S	11:36:13.61		HN			
	IAML	11:36:15.31		HZ	0.004	0.7	
PBAR	e P	11:35:44.69		HZ			
	e S	11:36:18.66		HE			
	IAML	11:36:20.20		HZ	0.004	0.7	
PMRV	e S	11:36:30.52		HN			
<hr/>							
01-Mar	Ho	11:34:59.6				ML 1.7	
	Lat	36.915°N	Lon	10.278°W		Prof 1*	
	Região:	Gorringe				Rms 0.3	
	AxMax	8.0	AxMin	6.5	Ang	70	ErrZ 0
Est	Fase	P h:m:s	Dur	Co		Amp	Per
PFVI	e P	c 11:35:21.10		HZ			
	e S	11:35:37.16		HN			
	IAML	11:35:38.18		HZ	0.008	0.2	
MORF	e P	11:35:23.75		HZ			
	e S	11:35:42.06		HE			

PVAQ	e P	19:04:53.45	HZ																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
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[illegible]

03-Mar Ho 12:57:30.6 ML 1.2 Lat 38.721°N Lon 07.895°W Prof 13 Região: E Arraiolos Rms 0.3 AxMax 2.5 AxMin 1.7 Ang 85 ErrZ 4										EVO e S 15:47:26.90 HN IAML 15:47:29.03 HZ 0.021 0.1 PARRA e P 15:46:54.98 HZ e S 15:47:30.64 HE IAML 15:47:38.34 HZ 0.008 0.3 PMTG e P 15:46:55.36 HZ e S 15:47:32.73 HN IAML 15:47:36.12 HZ 0.009 0.5 PSBE e S 15:47:34.41 HE IAML 15:47:39.10 HZ 0.012 0.3 PESTR e S 15:47:38.57 HE IAML 15:47:43.57 HZ 0.004 0.2 PBAR e P 15:46:59.94 HZ e S 15:47:38.46 HE IAML 15:47:42.96 HZ 0.006 0.3 PSARD e P 15:47:01.79 HZ e S 15:47:42.87 HN IAML 15:47:44.93 HZ 0.043 0.2 PCAS e P 15:47:04.21 HZ e S 15:47:48.59 HE IAML 15:47:54.05 HZ 0.006 0.3 PMRV e P 15:47:05.17 HZ e S 15:47:48.96 HE IAML 15:47:51.52 HZ 0.012 0.2 PCBR e P 15:47:08.77 EZ e S 15:47:55.23 EN IAML 15:47:57.18 EZ 0.005 0.3 PVIS e P 15:47:14.78 HZ e S 15:48:07.15 HN POLO e S 15:48:20.80 HN IAML 15:48:23.74 HZ 0.003 0.6 MVO e P 15:47:24.86 HZ e S 15:48:24.43 HE IAML 15:48:26.87 HZ 0.006 0.6 PCAB e S 15:48:26.42 EN PGAV e S 15:48:29.22 HN IAML 15:48:31.97 HZ 0.009 0.7									
03-Mar Ho 15:54:07.4 ML 2.6 Lat 35.264°N Lon 14.519°W Prof 25* Região: Horseshoe-Ampère Rms 0.4 AxMax 16.6 AxMin 6.9 Ang 114 ErrZ 0										03-Mar Ho 15:54:07.4 ML 2.6 Lat 35.264°N Lon 14.519°W Prof 25* Região: Horseshoe-Ampère Rms 0.4 AxMax 16.6 AxMin 6.9 Ang 114 ErrZ 0									
Est	Fase	P h:m:s	Dur	Co	Amp	Per				Est	Fase	P h:m:s	Dur	Co	Amp	Per			
PFVI	e P	15:46:35.86		HZ						PFVI	e P	15:55:15.54		HZ					
	e S	15:46:57.92		HN							e S	15:56:06.88		HN					
	IAML	15:46:58.34		HZ	0.027	0.1					IAML	15:56:10.07		HZ	0.010	1.0			
MORF	e P	15:46:38.64		HZ						MORF	e P	15:55:18.40		HZ					
	e S	15:47:02.22		HE							e S	15:56:12.45		HN					
	IAML	15:47:04.34		HZ	0.028	0.3					IAML	15:56:22.85		HZ	0.005	0.3			
PTEO	e P	15:46:39.11		HZ						PTEO	e P	15:55:19.21		HZ					
	e S	15:47:02.81		HN							e S	15:56:13.83		HN					
	IAML	15:47:10.41		HZ	0.015	0.6					IAML	15:56:16.71		HZ	0.009	0.8			
MESJ	e P	15:46:46.10		HZ						PMAFR	e S	15:56:22.50		HN					
	e S	15:47:15.19		HN							IAML	15:56:23.93		HZ	0.019	0.2			
	IAML	15:47:22.27		HZ	0.008	0.3				PBDV	e S	15:56:24.22		HN					
PBDV	e P	15:46:46.41		HZ							IAML	15:56:30.81		HZ	0.004	0.7			
	e S	15:47:14.83		HN							IAML	15:56:32.85		HZ	0.003	0.6			
	IAML	15:47:22.48		HZ	0.009	0.5				PCVE	e S	15:56:26.16		HN					
PCVE	e P	15:46:46.46		HZ							IAML	15:56:31.05		HZ	0.003	0.3			
	e S	15:47:15.81		HN						PVAQ	e P	15:55:28.96		HZ					
	IAML	15:47:23.11		HZ	0.009	0.2					e S	15:56:29.70		H2					
PMAFR	e P	15:46:46.90		HZ							IAML	15:56:36.03		HZ	0.005	0.2			
	e S	15:47:17.37		HE						MOE	e S	15:56:29.68		HE					
	IAML	15:47:19.75		HZ	0.052	0.2					IAML	15:56:31.95		HZ	0.004	0.2			
PVAQ	e P	15:46:49.03		HZ						PARRA	e S	15:56:38.14		HE					
	e S	15:47:20.41		H2							IAML	15:56:44.74		HZ	0.003	0.4			
	IAML	15:47:24.94		HZ	0.010	0.3				PMTG	e S	15:56:38.65		HN					
MOE	e P	15:46:49.19		HZ							IAML	15:56:42.44		HZ	0.003	1.1			
	e S	15:47:21.69		HN						PSARD	e S	15:56:47.66		HE					
	IAML	15:47:22.61		HZ	0.015	0.4					IAML	15:56:51.35		HZ	0.005	0.6			
PBEJ	e S	15:47:22.94		EN						PBAR	e P	15:55:39.83		HZ					
	IAML	15:47:26.81		EZ	0.006	0.2					e S	15:56:47.55		HN					
											IAML	15:56:55.49		HZ	0.003	0.7			
										PMRV	e S	15:56:56.41		HE					
											IAML	15:56:58.00		HZ	0.002	0.3			

<b>03-Mar Ho 17:05:11.9 ML 1.7</b> <b>Lat 36.547°N Lon 07.947°W Prof 26</b> <b>Região: Golfo de Cádiz Rms 0.3</b> <b>AxMax 3.2 AxMin 3.2 Ang 104 ErrZ 5</b>							<b>04-Mar Ho 11:07:26.0 ML 2.0</b> <b>Lat 36.613°N Lon 11.161°W Prof 22*</b> <b>Região: Gorringer Rms 0.3</b> <b>AxMax 6.6 AxMin 5.4 Ang 97 ErrZ 0</b>							<b>04-Mar Ho 11:56:52.4 ML 1.2</b> <b>Lat 36.681°N Lon 07.437°W Prof 21</b> <b>Região: Golfo de Cádiz Rms 0.4</b> <b>AxMax 11.7 AxMin 8.1 Ang 154 ErrZ 5</b>							<b>04-Mar Ho 12:36:28.7 ML 1.3</b> <b>Lat 37.208°N Lon 09.380°W Prof 34*</b> <b>Região: NW Cabo S.Vicente Rms 0.3</b> <b>AxMax 10.7 AxMin 7.5 Ang 84 ErrZ 0</b>							<b>04-Mar Ho 17:50:04.4 ML 1.7</b> <b>Lat 35.828°N Lon 05.248°W Prof 13</b> <b>Região: SE Ceuta Rms 0.4</b> <b>AxMax 6.7 AxMin 3.0 Ang 96 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>	<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>	<i>Amp</i>	<i>Per</i>	<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>	<i>Amp</i>	<i>Per</i>		
PBDV	e P	17:05:24.66		HZ			PFVI	e P	11:07:55.64		HZ			PVAQ	e P	17:50:43.24		HZ				PBDV	e P	17:50:44.53		HZ			MORF	e P	17:50:52.34		HZ			
	e S	17:05:34.19		HN				e S	11:08:17.99		HN				e S	17:51:13.74		H1					e S	17:51:16.21		HE			e S	17:51:28.67		HN				
	IAML	17:05:37.38		HZ	0.011	0.5		IAML	11:08:22.95		HZ	0.008	0.7		IAML	17:51:14.58		HZ	0.004	0.3			e S	17:51:20.41		HZ	0.002	0.2		IAML	17:51:36.48		HZ	0.001	0.6	
PVAQ	e P	17:05:27.09		HZ			MORF	e P	11:07:58.26		HZ				e S	11:08:23.14		HE				PBAR	e P	17:50:46.59		HZ				e S	17:51:23.23		HN			
	e S	17:05:38.17		H2				IAML	11:08:28.27		HZ	0.006	0.2										e S	17:51:18.81		HE										
	IAML	17:05:40.70		HZ	0.012	0.2																	IAML	17:51:20.41		HZ	0.002	0.2								
PFVI	e P	17:05:27.40		HZ																																
	e S	17:05:39.38		HN																																
	IAML	17:05:43.11		HZ	0.010	0.4																														
MORF	e P	17:05:27.84		HZ																																
	e S	17:05:40.14		HN																																
	IAML	17:05:45.39		HZ	0.016	0.2																														
PCVE	e P	17:05:30.22		HZ																																
	e S	17:05:43.50		HN																																
	IAML	17:05:44.30		HZ	0.011	0.1																														
PTEO	e P	17:05:31.37		HZ																																
	e S	17:05:45.69		HN																																
	IAML	17:05:53.60		HZ	0.008	0.8																														
MESJ	e P	17:05:33.35		HZ																																
	e S	17:05:49.05		HE																																
	IAML	17:06:00.32		HZ	0.006	0.2																														
PBEJ	e S	17:05:52.89		EE																																
	IAML	17:05:53.17		EZ	0.004	0.3																														
PBAR	e P	17:05:39.58		HZ																																
	e S	17:06:00.09		HE																																
	IAML	17:06:11.84		HZ	0.003	0.6																														
MOE	e P	17:05:43.00		HZ																																
	e S	17:06:05.88		HN																																
	IAML	17:06:23.57		HZ	0.005	0.6																														
PARRA	e P	17:05:46.27		HZ																																
	e S	17:06:11.70		HE																																
	IAML	17:06:13.45		HZ	0.002	0.2																														
PMTG	e P	17:05:49.82		HZ																																
	e S	17:06:18.35		HE																																
	IAML	17:06:19.41		HZ	0.005	0.3																														
PMRV	e P	17:05:54.79		HZ																																
	e S	17:06:27.89		HE																																
	IAML	17:06:32.70		HZ	0.002	1.5																														
PSBE	e P	17:05:56.95		HZ																																
PSARD	e P	17:05:57.28		HZ																																
	e S	17:06:30.71		HE																																
	IAML	17:06:33.04		HZ	0.006	0.2																														





05-Mar Ho 10:40:11.0 ML 1.8 Lat 36.710°N Lon 07.028°W Prof 36* Região: Golfo de Cádiz Rms 0.4 AxMax 4.1 AxMin 3.1 Ang 8 ErrZ 0										MOE e Pn 17:03:47.64 HZ e Sn 17:04:40.78 HE IAML 17:04:41.72 HZ 0.009 0.3 PARRA e Pn 17:03:49.45 HZ e Sn 17:04:43.89 HE IAML 17:04:45.09 HZ 0.005 0.5 PMTG e Pn 17:03:53.44 HZ e Sn 17:04:50.65 HN IAML 17:05:09.97 HZ 0.005 0.6 PMRV e Pn 17:03:56.13 HZ e Sn 17:04:54.04 HE PSARD e Pn 17:04:00.60 HZ e Sn 17:05:02.26 HN IAML 17:05:04.08 HZ 0.010 0.2 PCBR e Pn 17:04:02.01 EZ MVO e Pn 17:04:18.44 HZ											
Est	Fase	P h:m:s	Dur	Co	Amp	Per					Est	Fase	P h:m:s	Dur	Co	Amp	Per				
PVAQ	i P	10:40:26.13		HZ							PFVI	e Pg	22:45:38.62		HZ						
	e S	10:40:37.31		H1							e Sg	22:45:42.41		HN							
	IAML	10:40:38.37		HZ	0.030	0.1					IAML	22:45:46.14		HZ	0.015	0.8					
PBDV	e P	10:40:26.19		HZ							MORF	e Pg	22:45:41.43		HZ						
	e S	10:40:37.32		HN							e Sg	22:45:47.03		HN							
	IAML	10:40:39.03		HZ	0.009	0.2					IAML	22:45:49.69		HZ	0.010	0.1					
PCVE	e P	10:40:30.83		HZ							PTEO	e Pg	22:45:45.72		HZ						
	e S	10:40:45.75		HE							e Sg	22:45:54.34		HN							
	IAML	10:40:52.26		HZ	0.006	0.6					IAML	22:45:54.45		HZ	0.008	0.5					
MORF	e S	10:40:50.12		HE							PBDV	e Pg	22:45:47.15		HZ						
	IAML	10:40:51.88		HZ	0.007	0.2					e Sg	22:45:56.75		HE							
PBAR	e P	10:40:34.34		HZ							IAML	22:45:58.00		HZ	0.005	0.4					
	e S	10:40:51.36		HN							PCVE	e P	22:45:50.61		HZ						
	IAML	10:41:00.03		HZ	0.004	0.4					e S	22:46:02.43		HE							
MESJ	e P	10:40:34.32		HZ							IAML	22:46:03.82		HZ	0.004	0.8					
	e S	10:40:50.94		HE							PVAQ	e P	22:45:51.39		HZ						
	IAML	10:40:56.81		HZ	0.005	0.2					e S	22:46:02.64		H1							
PFVI	e S	10:40:51.24		HE							IAML	22:46:05.97		HZ	0.003	0.1					
PTEO	e S	10:40:54.26		HE							MESJ	e P	22:45:52.26		HZ						
	IAML	10:40:55.27		HZ	0.003	0.1					e S	22:46:05.93		HN							
EVO	e S	10:41:04.40		HE							IAML	22:46:07.63		HZ	0.004	0.2					
PARRA	e P	10:40:45.14		HZ							PBEJ	e S	22:46:14.37		EE						
	e S	10:41:09.59		HE							IAML	22:46:16.45		EZ	0.002	0.2					
PMTG	e P	10:40:49.12		HZ							MOE	e Pg	22:46:04.20		HZ						
	e S	10:41:17.99		HE							e Sg	22:46:25.87		HN							
PMRV	e S	10:41:20.65		HN							IAML	22:46:26.85		HZ	0.005	0.6					
PSARD	e P	10:40:56.12		HZ							EVO	e Sg	22:46:26.44		HN						
	e S	10:41:29.03		HN							PBAR	e Pg	22:46:07.72		HZ						
	IAML	10:41:30.33		HZ	0.007	0.2					e Sg	22:46:31.90		HE							
05-Mar Ho 14:58:45.7 Distante (NEIC) mb 5.4 Lat 48.822°S Lon 08.801°W Prof 10 Região: Southern Mid-Atlantic Ridge										05-Mar Ho 22:45:34.7 ML 1.2 Lat 36.935°N Lon 08.680°W Prof 6 Região: S Lagos Rms 0.3 AxMax 4.6 AxMin 3.3 Ang 22 ErrZ 6											
Est	Fase	P h:m:s	Dur	Co	Amp	Per					Est	Fase	P h:m:s	Dur	Co	Amp	Per				
PBDV	e P	15:11:26.67		BZ							PFVI	e Pg	22:45:38.62		HZ						
PVAQ	e P	15:11:27.56		BZ							e Sg	22:45:42.41		HN							
PCVE	e P	15:11:28.70		BZ							IAML	22:45:46.14		HZ	0.015	0.8					
PBAR	e P	15:11:31.37		BZ							MORF	e Pg	22:45:41.43		HZ						
EVO	e P	15:11:34.36		BZ							e Sg	22:45:47.03		HN							
PARRA	e P	15:11:34.76		BZ							IAML	22:45:49.69		HZ	0.010	0.1					
PMRV	e P	15:11:37.45		BZ							PTEO	e Pg	22:45:45.72		HZ						
05-Mar Ho 17:02:37.6 ML 2.5 Lat 34.282°N Lon 05.655°W Prof 19 Região: NW Fez (Marr) Rms 0.4 AxMax 6.4 AxMin 3.9 Ang 70 ErrZ 7										06-Mar Ho 02:44:51.0 Distante (NEIC) Mw 5.0 Lat 10.983°N Lon 62.340°W Prof 91 Região: Near Coast of Venezuela											
Est	Fase	P h:m:s	Dur	Co	Amp	Per					Est	Fase	P h:m:s	Dur	Co	Amp	Per				
PBDV	e Pn	17:03:29.80		HZ							PCVE	e P	02:54:13.24		BZ						
	e Sn	17:04:09.47		HE							IAMB	02:54:13.96		BZ	0.052	1.9					
	IAML	17:04:15.13		HZ	0.007	0.3					PTO	e P	02:54:13.87		SZ						
PVAQ	e Pn	17:03:30.48		HZ							PESTR	e P	02:54:11.46		BZ						
	e Sn	17:04:10.58		H2							PGAV	e P	02:54:18.87		BZ						
	IAML	17:04:12.21		HZ	0.021	0.5					IAMB	02:54:20.17		BZ	0.100	1.6					
PFVI	e Sn	17:04:18.23		HN							06-Mar Ho 04:13:07.5 ML 0.9 Lat 39.882°N Lon 08.663°W Prof 0* Região: SW Pombal Rms 0.2 AxMax 2.0 AxMin 0.9 Ang 99 ErrZ 0										
PCVE	e Pn	17:03:35.61		HZ							Est	Fase	P h:m:s	Dur	Co	Amp	Per				
	e Sn	17:04:18.84		HN							PCAS	i Pg	d 04:13:11.10		HZ						
PBAR	e Pn	17:03:37.46		HZ							e Sg	04:13:14.50		HN							
	e Sn	17:04:22.32		HE																	
	IAML	17:04:27.91		HZ	0.004	0.2															
PTEO	e Pn	17:03:38.82		HZ																	
	e Sn	17:04:24.57		HN																	
	IAML	17:04:26.38		HZ	0.012	0.7															
MESJ	e Pn	17:03:38.51		HZ																	
	e Sn	17:04:25.32		HE																	
	IAML	17:04:27.98		HZ	0.010	0.4															
PBEJ	e Sn	17:04:25.36		EE																	
	IAML	17:04:32.76		EZ	0.006	0.2															
EVO	e Pn	17:03:45.79		HZ																	
	e Sn	17:04:37.66		HE																	
	IAML	17:04:39.45		HZ	0.007	0.1															







PCAB	e P	21:00:48.39	EZ							PTEO	e P	00:29:30.79	HZ						
	IAMB	21:00:52.04	EZ	0.278	0.5						e S	00:29:40.53	HN						
	e S	21:02:50.42	EE								IAML	00:29:40.88	HZ	0.009	0.9				
	IAMS_20	21:05:47.00	EZ	1.130	16					PCVE	e P	00:29:33.98	HZ						
PGAV	e P	21:00:49.36	HZ								e S	00:29:45.93	HN						
	IAMB	21:00:54.33	HZ	0.164	1.2						IAML	00:29:48.85	HZ	0.002	0.4				
	e S	21:02:52.11	HE							MESJ	e P	00:29:39.20	HZ						
	IAMS_20	21:04:41.26	HZ	1.377	21						e S	00:29:50.40	HE						
MVO	e P	21:00:49.23	HZ								IAML	00:29:51.72	HZ	0.003	0.1				
	IAMB	21:00:52.89	HZ	0.223	1.6					PBEJ	e Sn	00:29:57.93	EE						
	e S	21:02:52.72	HN							MOE	e Sg	00:30:10.76	HE						
	IAMS_20	21:05:37.23	HZ	1.202	18					PBAR	e Sn	00:30:09.21	HE						
PBRG	e P	21:00:57.67	HZ								e Sg	00:30:13.81	HE						
	IAMB	21:01:02.35	HZ	0.092	0.5						IAML	00:30:14.47	HZ	0.001	0.6				
	e S	21:03:04.94	HN							PARRA	e Sg	00:30:21.15	HE						
	IAMS_20	21:06:05.43	HZ	1.449	17					PESTR	e Sg	00:30:25.46	HN						
										PMTG	e Sg	00:30:27.84	HE						
										PMRV	e Sg	00:30:42.29	HE						
07-Mar										08-Mar	Ho	03:42:07.1				ML	1.7		
Est	Fase	P h:m:s	Dur	Co	Amp	Per					Lat	32.325°N	Lon	16.760°W		Prof	5*		
PMAR	e P	21:15:07.09		HZ							Região:	SW Desertas (Madeira)				Rms	0.1		
	e S	21:15:12.41		H1							AxMax	6.6	AxMin	3.0	Ang	77	ErrZ	0	
	IAML	21:15:12.67		HZ	0.028	0.2													
07-Mar										Est	Fase	P h:m:s	Dur	Co	Amp	Per			
Est	Fase	P h:m:s	Dur	Co	Amp	Per				FUL	e P	c 03:42:12.67		EZ					
PMAR	e P	21:17:32.26		HZ							e S	03:42:16.67		EE					
	e S	21:17:37.55		H2							IAML	03:42:17.16		EZ	0.055	0.3			
	IAML	21:17:37.95		HZ	0.062	0.3				PMAR	e P	c 03:42:13.82		HZ					
											e S	03:42:18.97		H2					
07-Mar	Ho	21:22:33.9									IAML	03:42:19.37		HZ	0.097	0.3			
	Lat	32.335°N	Lon	16.863°W															
	Região:	S Funchal (Madeira)								PMOZ	e P	03:42:16.65		HZ					
	AxMax	7.3	AxMin	1.8	Ang	91	ErrZ	0			e S	03:42:23.90		HE					
Est	Fase	P h:m:s	Dur	Co	Amp	Per					IAML	03:42:24.94		HZ	0.040				



Boletim Sismológico Preliminar do Continente e Madeira  
Março 2020

MOE	e P	11:21:47.45	BZ							PBDV	e Pn	12:58:18.44	HZ						
	I Amb	11:21:54.93	BZ	0.027	1.4						e Pg	12:58:26.22	HZ						
MESJ	e P	11:21:52.19	BZ								e Sn	12:58:43.95	HE						
	I Amb	11:22:03.71	BZ	0.024	1.4						e Sg	12:58:54.05	HE						
PMTG	e P	11:21:47.82	BZ								I AML	12:58:55.51	HZ	0.030	0.7				
	I Amb	11:21:48.91	BZ	0.035	1.1					PCVE	i Pn	d 12:58:20.42	HZ						
PARRA	e P	11:21:49.30	BZ								e Pg	12:58:26.34	HZ						
	I Amb	11:21:50.78	BZ	0.031	1.6						e Sg	12:58:55.32	HN						
PCVE	e P	11:21:49.98	BZ								I AML	12:59:02.99	HZ	0.026	0.8				
	I Amb	11:21:57.76	BZ	0.035	1.3					PBEJ	e Pn	12:58:20.62	EZ						
EVO	e P	11:21:49.44	BZ								e Pg	12:58:26.95	EZ						
	I Amb	11:21:52.48	BZ	0.031	1.5						e Sn	12:58:45.97	EN						
PGAV	e S	11:25:50.24	LE								e Sg	12:58:56.49	EN						
PBDV	e P	11:21:50.51	BZ								I AML	12:59:02.80	EZ	0.028	0.2				
	I Amb	11:21:58.43	BZ	0.050	1.4					MESJ	i Pn	d 12:58:23.31	HZ						
PVIS	e P	11:21:50.36	BZ								e Sn	12:58:54.62	HE						
PESTR	e P	11:21:52.25	BZ								e Sg	12:59:03.75	HN						
	I Amb	11:22:10.73	BZ	0.037	1.7						I AML	12:59:11.81	HZ	0.030	0.8				
MTE	e S	11:27:07.27	LN							PESTR	e Sn	12:58:56.67	HE						
PCBR	e P	11:21:52.51	SZ								e Sg	12:59:05.91	HN						
	I Amb	11:22:00.85	SZ	0.022	1.2						I AML	12:59:10.20	HZ	0.050	0.3				
PMRV	e P	11:21:52.61	BZ							EVO	e Pn	12:58:25.78	HZ						
	I Amb	11:22:12.91	BZ	0.033	1.8						e Pg	12:58:32.31	HZ						
	e S	11:26:51.60	LN								e Sn	12:58:58.10	HE						
PBAR	e P	11:21:55.77	BZ								e Sg	12:59:06.61	HE						
	I Amb	11:22:10.68	BZ	0.028	1.5						I AML	12:59:15.28	HZ	0.040	0.4				
MVO	e S	11:27:44.12	LN							MORF	e Pn	12:58:26.64	HZ						
											e Pg	12:58:33.98	HZ						
											e Sn	12:58:59.08	HE						
											e Sg	12:59:12.05	HE						
											I AML	12:59:13.20	HZ	0.025	0.2				
<b>08-Mar</b>	<b>Ho</b>	<b>12:36:37.5</b>																	
	<b>Lat</b>	<b>39.754°N</b>	<b>Lon</b>	<b>08.584°W</b>															
	<b>Região:</b>	<b>N Vila Nova de Ourém</b>																	
	<b>AxMax</b>	<b>2.5</b>	<b>AxMin</b>	<b>1.5</b>	<b>Ang</b>	<b>96</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>															
PSBE	e Pg	d 12:36:42.71		HZ						PTEO	e Pn	d 12:58:27.58	HZ						
	e Sg	12:36:46.90		HE							e Pg	12:58:35.48	HZ						
	I AML	12:36:47.30		HZ	0.003	0.3					e Sn	12:58:59.77	HE						
PCAS	e Pg	12:36:42.80		HZ							e Sg	12:59:13.95	HN						
	e Sg	12:36:47.41		HN							I AML	12:59:25.47	HZ	0.027	0.6				
	I AML	12:36:48.21		HZ	0.003	0.3				PFVI	e Pn	12:58:27.58	HZ						
PSARD	e Pg	d 12:36:43.71		HZ							e Pg	12:58:36.03	HZ						
	e Sg	12:36:49.07		HE							e Sn	12:59:01.33	HE						
	I AML	12:36:52.05		HZ	0.002	0.3					e Sg	12:59:13.99	HE						
PMTG	e P	12:36:51.16		HZ							I AML	12:59:24.37	HZ	0.021	0.6				
	e S	12:37:00.92		HN						PARRA	e Pn	12:58:28.26	HZ						
	I AML	12:37:02.96		HZ	0.002	0.5					e Pg	12:58:37.06	HZ						
PCBR	e P	12:36:53.18		EZ							e Sn	12:59:02.10	HE						
	e S	12:37:04.77		EE							e Sg	12:59:12.53	HN						
	I AML	12:37:07.28		EZ	0.002	0.6					I AML	12:59:20.36	HZ	0.026	0.3				
PMAFR	e P	12:36:55.49		HZ						MOE	e Pn	12:58:28.82	HZ						
PMRV	e P	c 12:36:55.30		HZ							e Pg	12:58:36.74	HZ						
	e S	12:37:08.93		HE							e Sn	12:59:03.50	HN						
	I AML	12:37:10.10		HZ	0.002	0.3					e Sg	12:59:14.02	HN						
PARRA	e P	12:36:56.12		HZ							I AML	12:59:17.75	HZ	0.040	0.3				
	e S	12:37:09.81		HE						PMRV	e Pn	12:58:29.86	HZ						
	I AML	12:37:10.94		HZ	0.001	0.6					e Sn	12:59:04.54	HE						
PESTR	e S	12:37:13.99		HE							e Sg	12:59:15.63	HE						
	I AML	12:37:14.99		HZ	0.002	0.2					I AML	12:59:19.76	HZ	0.050	0.4				
MOE	e P	12:36:59.82		HZ						PMTG	e Pn	12:58:32.46	HZ						
	e S	12:37:16.02		HE							e Pg	12:58:41.62	HZ						
	I AML	12:37:17.83		HZ	0.002	0.8					e Sn	12:59:08.89	HN						
EVO	e S	12:37:18.14		HE							e Sg	12:59:20.35	HN						
	I AML	12:37:18.92		HZ	0.002	0.4					I AML	12:59:33.02	HZ	0.030	0.6				
PBAR	e Sg	12:37:41.10		HN						PCBR	e Pn	12:58:35.44	EZ						
											e Sn	12:59:12.80	EE						
											e Sg	12:59:28.52	EE						
											I AML	12:59:33.25	EZ	0.015	0.3				
<b>08-Mar</b>	<b>Ho</b>	<b>12:57:44.9</b>								PSARD	e Pn	12:58:37.51	HZ						
	<b>Lat</b>	<b>36.977°N</b>	<b>Lon</b>	<b>05.286°W</b>							e Pg	12:58:48.93	HZ						
	<b>Região:</b>	<b>SE Sevilha (ESP)</b>									e Sn	12:59:17.15	HN						
	<b>AxMax</b>	<b>2.3</b>	<b>AxMin</b>	<b>2.2</b>	<b>Ang</b>	<b>2</b>	<b>ErrZ</b>	<b>3</b>			e Sg	12:59:31.45	HN						
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>							I AML	12:59:36.42	HZ	0.047	0.3				
PBAR	e Pn	c 12:58:14.21		HZ						PMAFR	e Pn	12:58:40.62	HZ						
	e Pg	12:58:17.57		HZ							e Sn	12:59:23.24	HN						
	e Sn	12:58:36.67		HE							e Sg	12:59:42.16	HN						
	e Sg	12:58:41.59		HN							I AML	12:59:54.63	HZ	0.019	0.3				
	I AML	12:58:45.20		HZ	0.034	0.1													







<b>09-Mar Ho 16:04:34.5 ML 3.3</b>							<b>09-Mar Ho 19:31:34.9 ML 3.0</b>						
<b>Lat 33.730°N Lon 14.660°W Prof 10*</b>							<b>Lat 30.423°N Lon 07.987°W Prof 18*</b>						
<b>Região: NE Porto Santo (Madeira) Rms 0.4</b>							<b>Região: Morocco Rms 0.5</b>						
<b>AxMax 4.5 AxMin 1.8 Ang 123 ErrZ 0</b>							<b>AxMax 12.3 AxMin 10.2 Ang 66 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>	<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp</i>	<i>Per</i>
PMPST	i P	c 16:04:55.99		HZ			PFVI	e Pn	19:33:13.00		HZ		
	e S	16:05:12.45		HE				e Sn	19:34:25.99		HN		
	IAML	16:05:13.84		HZ	0.230	0.3		IAML	19:34:40.88		HZ	0.009	0.5
PMPS	i P	c 16:04:56.13		EZ			PBDV	e Pn	19:33:14.35		HZ		
	e S	16:05:12.96		EZ				e Sn	19:34:29.18		HE		
PMAR	e P	16:05:04.32		HZ				IAML	19:34:33.47		HZ	0.007	0.8
	e S	16:05:27.93		H2			MORF	e Pn	19:33:15.23		HZ		
	IAML	16:05:29.94		HZ	0.322	0.2		e Sn	19:34:30.96		HE		
FUL	i P	c 16:05:04.59		EZ				IAML	19:34:36.49		HZ	0.009	0.3
	e S	16:05:27.46		EE			PTEO	e Pn	19:33:18.86		HZ		
	IAML	16:05:29.03		EZ	0.416	0.2		e Sn	19:34:35.97		HN		
PMOZ	e P	c 16:05:06.70		HZ				IAML	19:34:51.82		HZ	0.009	0.6
	e S	16:05:31.13		HN			PCVE	e Pn	19:33:18.73		HZ		
	IAML	16:05:44.69		HZ	0.186	0.3	MESJ	e Pn	19:33:19.68		HZ		
PFVI	e P	16:05:55.07		HZ			PBEJ	e Sn	19:34:48.98		EE		
	e S	16:06:52.86		HN				IAML	19:34:51.69		EZ	0.004	0.5
MORF	e P	c 16:05:57.94		HZ			PBAR	e Pn	19:33:26.51		HZ		
	e S	16:06:59.91		HE				e Sn	19:34:51.64		HN		
PTEO	e P	16:05:59.02		HZ				IAML	19:35:01.91		HZ	0.007	0.9
	e S	16:07:02.41		HN			EVO	e Pn	19:33:31.69		HZ		
PBDV	e P	16:06:04.51		HZ			MOE	e Sn	19:34:58.22		HE		
	e S	16:07:10.66		HN			PARRA	e Pn	19:33:35.29		HZ		
MESJ	e P	16:06:06.37		HZ				e Sn	19:35:04.74		HN		
	e S	16:07:12.17		HN				IAML	19:35:13.91		HZ	0.004	0.2
PCVE	e P	c 16:06:06.48		HZ			PESTR	e Sn	19:35:07.22		HE		
	e S	16:07:13.33		HE			PMTG	e Pn	19:33:38.32		HZ		
PMAFR	e P	16:06:07.79		HZ				e Sn	19:35:11.42		HN		
	e S	16:07:12.06		HN				IAML	19:35:34.12		HZ	0.004	0.5
PBEJ	e P	16:06:10.78		EZ			PMRV	e Pn	19:33:43.79		HZ		
	e S	16:07:19.66		EE				e Sn	19:35:20.59		HE		
MOE	e P	16:06:10.86		HZ				IAML	19:35:41.05		HZ	0.003	0.5
	e S	16:07:20.83		HE			PSARD	e Pn	19:33:46.75		HZ		
EVO	e P	16:06:14.63		HZ				e Sn	19:35:24.88		HN		
	e S	16:07:26.30		HN				IAML	19:35:43.03		HZ	0.007	0.8
PARRA	e P	16:06:16.19		HZ			PCBR	e Pn	19:33:51.84		EZ		
	e S	16:07:30.98		HE			PCAS	e Pn	19:33:57.09		HZ		
PMTG	e P	16:06:16.87		HZ			MVO	e Pn	19:34:14.43		HZ		
	e S	16:07:31.94		HN				e Sn	19:36:04.37		HN		
PSBE	e P	16:06:18.04		HZ				IAML	19:36:19.73		HZ	0.003	0.5
	e S	16:07:35.26		HN			<b>09-Mar Ho 22:21:58.0 ML 1.6</b>						
PBAR	e P	16:06:19.69		HZ			<b>Lat 39.005°N Lon 10.980°W Prof 33*</b>						
	e S	16:07:36.87		HN			<b>Região: Canhão da Nazaré Rms 0.4</b>						
PESTR	e P	16:06:20.49		HZ			<b>AxMax 7.7 AxMin 3.3 Ang 88 ErrZ 0</b>						
	e S	16:07:39.87		HE			<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp</i>	<i>Per</i>
PSARD	e S	16:07:41.60		HN			PMAFR	e P	22:22:16.83		HZ		
PCAS	e P	16:06:24.64		HZ				e S	22:22:31.97		HE		
	e S	16:07:43.69		HE				IAML	22:22:32.13		HZ	0.016	0.4
PMRV	e P	16:06:26.26		HZ			PMTG	e P	22:22:27.79		HZ		
	e S	16:07:48.25		HE				e S	22:22:50.93		HN		
PCBR	e P	16:06:30.13		EZ				IAML	22:22:56.59		HZ	0.002	0.7
	e S	16:07:55.61		EN			PCAS	e S	22:22:52.03		HN		
MTE	e P	16:06:35.06		HZ			PSARD	e S	22:22:55.00		HN		
	e S	16:08:03.84		HN				IAML	22:23:02.86		HZ	0.003	0.7
PVIS	e P	16:06:34.99		HZ			PTEO	e P	22:22:30.65		HZ		
	e S	16:08:03.45		HN				e S	22:22:54.23		HE		
PVRL	e P	16:06:42.25		SZ			PARRA	e P	22:22:29.46		HZ		
	e S	16:08:15.25		SN				e S	22:22:54.02		HN		
POLO	e P	16:06:42.99		HZ				IAML	22:22:56.43		HZ	0.002	0.6
	e S	16:08:15.52		HN			EVO	e S	22:22:56.16		HN		
PCAB	e P	16:06:46.37		EZ				IAML	22:23:04.98		HZ	0.002	0.4
	e S	16:08:19.84		EN			MESJ	e P	22:22:32.54		HZ		
MVO	e P	16:06:45.59		HZ				e S	22:22:57.66		HN		
	e S	16:08:21.48		HE				IAML	22:23:00.23		HZ	0.001	0.1
PGAV	e P	16:06:46.79		HZ			MORF	e P	22:22:32.23		HZ		
	e S	16:08:23.92		HN			PESTR	e S	22:23:02.73		HN		
PBRG	e P	16:06:55.90		HZ			PCVE	e P	22:22:35.65		HZ		
	e S	16:08:34.56		HE				e S	22:23:04.22		HN		
								IAML	22:23:05.98		HZ	0.003	0.5





<b>11-Mar</b>	<b>Ho</b>	<b>03:53:09.3</b>			<b>ML 1.5</b>
	<b>Lat</b>	<b>36.932°N</b>	<b>Lon</b>	<b>10.933°W</b>	<b>Prof 31*</b>
	<b>Região:</b>	<b>Gorringe</b>			<b>Rms 0.3</b>
	<b>AxMax</b>	<b>6.5</b>	<b>AxMin</b>	<b>5.0</b>	<b>Ang 74 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	03:53:34.97		HZ	
	e S	03:53:54.23		HE	
MORF	e S	03:53:58.62		HE	
PTEO	e P	03:53:37.58		HZ	
	e S	03:53:58.91		HN	
MESJ	e S	03:54:10.32		HE	
PMAFR	e P	03:53:44.62		HZ	
	e S	03:54:11.82		HN	
PCVE	e S	03:54:11.47		HN	
MOE	e P	03:53:47.37		HZ	
	e S	03:54:16.05		HN	
	IAML	03:54:19.37		HZ	0.002 0.7
PVAQ	e P	03:53:48.28		HZ	
	e S	03:54:16.83		H2	
	IAML	03:54:40.10		HZ	0.002 0.8
EVO	e S	03:54:21.51		HN	
	IAML	03:54:23.24		HZ	0.002 0.3
PARRA	e P	03:53:52.58		HZ	
	e S	03:54:24.94		HE	
	IAML	03:54:32.56		HZ	0.001 0.3
PMTG	e S	03:54:26.65		HN	
PESTR	e S	03:54:32.17		HE	
PBAR	e P	03:53:57.80		HZ	
	e S	03:54:33.63		HN	
PSARD	e P	03:53:59.32		HZ	
	e S	03:54:36.53		HN	
	IAML	03:54:38.37		HZ	0.003 0.2
PMRV	e P	03:54:02.68		HZ	
	e S	03:54:43.06		HN	
<b>11-Mar</b>	<b>Ho</b>	<b>04:46:58.3</b>			<b>ML 1.3</b>
	<b>Lat</b>	<b>36.992°N</b>	<b>Lon</b>	<b>05.343°W</b>	<b>Prof 9</b>
	<b>Região:</b>	<b>SE Sevilha (ESP)</b>			<b>Rms 0.3</b>
	<b>AxMax</b>	<b>2.7</b>	<b>AxMin</b>	<b>1.9</b>	<b>Ang 145 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 Pn	04:47:28.08		HZ	
	e Sn	04:47:51.36		HE	
	e Sg	04:47:55.36		HN	
	IAML	04:48:17.58		HZ	0.001 0.6
PVAQ	e Pn	04:47:30.04		HZ	
	e Sn	04:47:53.90		H1	
	IAML	04:48:09.65		HZ	0.002 0.5
PBDV	e Pn	04:47:32.12		HZ	
	e Sn	04:47:57.74		HN	
<b>11-Mar</b>	<b>Ho</b>	<b>05:00:17.0</b>			<b>ML 0.7</b>
	<b>Lat</b>	<b>39.756°N</b>	<b>Lon</b>	<b>08.748°W</b>	<b>Prof 0*</b>
	<b>Região:</b>	<b>NE Leiria</b>			<b>Rms 0.2</b>
	<b>AxMax</b>	<b>2.8</b>	<b>AxMin</b>	<b>1.3</b>	<b>Ang 106 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>
PSBE	e P	05:00:21.21		HZ	
	e S	05:00:24.83		HE	
PCAS	e P	05:00:23.08		HZ	
	e Sg	05:00:28.53		HN	
	IAML	05:00:29.88		HZ	0.002 0.3
PSARD	e Pg	05:00:25.72		HZ	
	e Sg	05:00:32.28		HN	
	IAML	05:00:36.96		HZ	0.002 0.7
PMTG	e P	05:00:31.42		HZ	
	e S	05:00:42.55		HE	
	IAML	05:00:44.44		HZ	0.002 0.8
PMAFR	e P	05:00:33.86		HZ	
	e S	05:00:47.15		HN	
PCBR	e S	05:00:48.18		EN	
PARRA	e P	05:00:36.68		HZ	
	e S	05:00:51.46		HE	
	IAML	05:00:52.16		HZ	0.002 0.7
PMRV	e P	05:00:37.26		HZ	
	e S	05:00:52.13		HE	
	IAML	05:00:53.82		HZ	0.001 0.2

MTE	e S	05:00:53.21	HE
PESTR	e S	05:00:57.45	HN
EVO	e S	05:00:58.34	HN

<b>11-Mar</b>	<b>Ho</b>	<b>06:27:26.4</b>			<b>ML 1.9</b>
	<b>Lat</b>	<b>35.944°N</b>	<b>Lon</b>	<b>10.558°W</b>	<b>Prof 29</b>
	<b>Região:</b>	<b>Mar de Marrocos</b>			<b>Rms 0.4</b>
	<b>AxMax</b>	<b>10.4</b>	<b>AxMin</b>	<b>7.3</b>	<b>Ang 77 ErrZ 17</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	06:27:54.26		HZ	
	e S	06:28:15.54		HN	
	IAML	06:28:17.88		HZ	0.010 0.8
MORF	e P	06:27:58.14		HZ	
	e S	06:28:20.58		HE	
	IAML	06:28:21.40		HZ	0.007 0.4
PTEO	e S	06:28:23.59		HN	
	IAML	06:28:24.84		HZ	0.003 0.5
PBDV	e P	06:28:03.33		HZ	
	e S	06:28:30.98		HN	
	IAML	06:28:34.77		HZ	0.004 0.9
PCVE	e S	06:28:35.38		HE	
	IAML	06:28:37.28		HZ	0.002 0.6
MESJ	e P	06:28:06.22		HZ	
	e S	06:28:35.13		HE	
	IAML	06:28:37.07		HZ	0.002 0.5
PVAQ	e P	06:28:06.34		HZ	
	e S	06:28:36.29		H2	
	IAML	06:28:38.74		HZ	0.003 0.1
PBEJ	e S	06:28:42.95		EN	
MOE	e S	06:28:46.18		HE	
PMAFR	e S	06:28:47.82		HN	
	IAML	06:28:48.30		HZ	0.008 0.6
EVO	e S	06:28:49.69		HN	
	IAML	06:28:50.42		HZ	0.004 0.3
PARRA	e P	06:28:16.66		HZ	
	e S	06:28:54.51		HE	
	IAML	06:28:57.06		HZ	0.001 0.2
PBAR	e S	06:28:57.89		HE	
	IAML	06:28:59.17		HZ	0.002 0.7
PMTG	e P	06:28:19.35		HZ	
	e S	06:28:57.71		HN	
	IAML	06:28:59.99		HZ	0.002 0.6
PESTR	e S	06:29:00.89		HN	
PSBE	e S	06:29:03.39		HE	
PSARD	e S	06:29:09.91		HN	
	IAML	06:29:11.45		HZ	0.003 0.2
PMRV	e P	06:28:27.38		HZ	
	e S	06:29:13.40		HE	
	IAML	06:29:15.56		HZ	0.003 0.8
PCAS	e S	06:29:16.92		HN	
	IAML	06:29:17.34		HZ	0.003 0.7

<b>11-Mar</b>	<b>Ho</b>	<b>06:52:44.1</b>			<b>ML 1.1</b>
	<b>Lat</b>	<b>38.774°N</b>	<b>Lon</b>	<b>09.668°W</b>	<b>Prof 0</b>
	<b>Região:</b>	<b>NW Cascais</b>			<b>Rms 0.1</b>
	<b>AxMax</b>	<b>7.3</b>	<b>AxMin</b>	<b>3.6</b>	<b>Ang 82 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>
PMAFR	e Pg	06:52:50.53		HZ	
	e Sg	06:52:55.28		HE	
	IAML	06:52:55.58		HZ	0.014 0.3
PSBE	e S	06:53:18.32		HN	
MOE	e P	06:53:03.41		HZ	
	e S	06:53:17.76		HE	
	IAML	06:53:18.47		HZ	0.004 0.2
PMTG	e S	06:53:19.89		HN	
PARRA	e P	06:53:07.06		HZ	
	e S	06:53:23.51		HN	
	IAML	06:53:23.58		HZ	0.002 0.4
PSARD	e P	06:53:11.44		HZ	
	e S	06:53:28.74		HE	
	IAML	06:53:31.21		HZ	0.006 0.7
PESTR	e S	06:53:33.66		HN	
PMRV	e Pg	06:53:18.64		HZ	
	e Sn	06:53:40.94		HN	

<b>11-Mar</b>	<b>Ho</b>	<b>11:00:46.0</b>			<b>ML 1.5</b>
	<b>Lat</b>	<b>36.630°N</b>	<b>Lon</b>	<b>11.160°W</b>	<b>Prof 31*</b>
	<b>Região: Gorringer</b>				<b>Rms 0.2</b>
	<b>AxMax</b>	<b>8.1</b>	<b>AxMin</b>	<b>5.8</b>	<b>Ang 75 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	11:01:15.27		HZ	
	e S	11:01:37.04		HE	
	IAML	11:01:37.73		HZ	0.002 0.1
MORF	e S	11:01:41.29		HN	
PTEO	e S	11:01:42.76		HN	
MESJ	e S	11:01:55.49		HN	
PBDV	e S	11:01:57.05		HN	
PCVE	e S	11:01:55.31		HE	
PMAFR	e S	11:01:56.47		HN	
MOE	e P	11:01:28.70		HZ	
	e S	11:02:00.84		HE	
	IAML	11:02:02.40		HZ	0.002 0.2
PARRA	e P	11:01:35.47		HZ	
	e S	11:02:09.84		HN	
PMTG	e P	11:01:34.79		HZ	
	e S	11:02:11.25		HN	
PSARD	e S	11:02:22.62		HN	
PMRV	e S	11:02:27.96		HN	

11-Mar	Ho	13:57:35.1	Distante (NEIC)		Mw	4.6
	Lat	21.608°S	Lon	68.359°W	Prof	101
Região: Chile-Bolivia Border Region						
Est	Fase	P h:m:s		Dur	Co	Amp Per
PBDV	e P	14:09:42.51			BZ	
MESJ	e P	14:09:44.22			BZ	
PCVE	e P	14:09:44.40			BZ	
MOE	e P	14:09:45.65			BZ	
PBEJ	e P	14:09:46.10			SZ	
PARRA	e P	14:09:47.50			BZ	
PMTG	e P	14:09:47.37			BZ	
PBAR	e P	14:09:48.65			BZ	
MTE	e P	14:09:53.73			BZ	
POLO	e P	14:09:55.62			BZ	
MVO	e P	14:09:57.33			BZ	
PBRG	e P	14:09:59.89			BZ	

<b>11-Mar</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		14:12:24.95		HZ	
	e S		14:12:30.21		H2	
	IAML		14:12:31.50		HZ	0.049 0.3
PMOZ	e S		14:12:36.01		HN	

<b>11-Mar</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		15:19:41.19		HE	
	IAML		15:19:49.03		HZ	0.009 0.3
MVO	e Sn		15:19:43.36		HN	
	e Sg		15:19:57.43		HN	
	IAML		15:20:02.14		HZ	0.013 0.4
POLO	e Sg		15:20:09.09		HN	
	IAML		15:20:12.46		HZ	0.003 0.7
PMRV	e Sn		15:20:19.59		HE	
	e Sg		15:20:41.69		HN	
	IAML		15:20:54.80		HZ	0.004 0.5
PVIS	e Sg		15:20:22.91		HN	

<b>11-Mar</b>	<b>Ho</b>	<b>15:16:55.9</b>	<b>Distante (NEIC)</b>		<b>Mw 5.3</b>
	<b>Lat</b>	<b>06.955°S</b>	<b>Lon 155.455°E</b>		<b>Prof 28</b>
	<b>Região: Solomon Islands</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 PKP	15:36:20.68		BZ	
MVO	e PKP	15:36:22.15		BZ	
POLO	e PKP	15:36:22.17		BZ	
PVRL	e PKP	15:36:22.78		SZ	
PVIS	e PKP	15:36:24.21		BZ	
MTE	e PKP	15:36:24.65		BZ	
PCBR	e PKP	15:36:26.40		SZ	
PCAS	e PKP	15:36:27.47		BZ	
PMRV	e PKP	15:36:27.06		BZ	

PSARD	e PKP		15:36:27.40		BZ
PSBE	e PKP		15:36:27.67		BZ
PMTG	e PKP		15:36:28.38		BZ
PARRA	e PKP		15:36:28.82		BZ
PBAR	e PKP		15:36:29.70		BZ
EVO	e PKP		15:36:30.19		BZ
PMAFR	e PKP		15:36:30.57		BZ
MOE	e PKP		15:36:30.57		BZ
PBEJ	e PKP		15:36:31.45		SZ
MESJ	e PKP		15:36:32.75		BZ
PCVE	e PKP		15:36:33.22		BZ
PVAQ	e PKP		15:36:32.99		BZ
PBDV	e PKP		15:36:31.45		BZ
PTEO	e PKP		15:36:33.69		BZ
MORF	e PKP		15:36:34.74		BZ
PFVI	e PKP		15:36:33.62		BZ

<b>11-Mar</b>	<b>Ho</b>	<b>20:41:02.5</b>			<b>ML 1.8</b>
	<b>Lat</b>	<b>37.083°N</b>	<b>Lon</b>	<b>05.237°W</b>	<b>Prof 4</b>
	<b>Região: SE Sevilha (ESP)</b>				<b>Rms 0.3</b>
	<b>AxMax</b>	<b>1.9</b>	<b>AxMin</b>	<b>1.6</b>	<b>Ang 133 ErrZ 2</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 Pn		20:41:32.81		HZ
	e Pg		20:41:34.69		HZ
	e Sn		20:41:55.73		HN
	e Sg		20:42:00.23		HN
	IAML		20:42:02.05		HZ
PVAQ	e Pn		20:41:35.44		HZ
	e Sn		20:41:59.93		H2
	e Sg		20:42:07.27		H1
	IAML		20:42:14.37		HZ
PBDV	e Pn		20:41:37.96		HZ
PESTR	e Sg		20:42:22.86		HE
	IAML		20:42:32.25		HZ
PARRA	e Pg		20:41:57.00		HZ
	e Sg		20:42:29.50		HE
	IAML		20:42:34.96		HZ
PMRV	e Sg		20:42:33.68		HE
	IAML		20:42:40.48		HZ
PMTG	e Sg		20:42:38.68		HN
PSARD	e Sg		20:42:48.20		HN
	IAML		20:42:53.13		HZ

<b>11-Mar</b>	<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp Per</i>
PMOZ	e P		21:07:20.25		HZ	
PMAR	e P		21:07:24.67		HZ	
MOE	e P		21:08:25.17		BZ	
PMTG	e P		21:08:28.47		BZ	
PARRA	e P		21:08:29.02		BZ	
PGAV	e P		21:08:29.46		BZ	
PSARD	e P		21:08:29.58		BZ	
MESJ	e P		21:08:29.60		BZ	
EVO	e P		21:08:30.56		BZ	
PBAR	e P		21:08:38.89		BZ	

<b>11-Mar</b>	<b>Ho</b>	<b>21:37:30.3</b>			<b>ML 0.9</b>
	<b>Lat</b>	<b>38.023°N</b>	<b>Lon</b>	<b>08.577°W</b>	<b>Prof 11</b>
	<b>Região: E Santiago do Cacém</b>				<b>Rms 0.3</b>
	<b>AxMax</b>	<b>4.4</b>	<b>AxMin</b>	<b>2.2</b>	<b>Ang 96 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>
MESJ	e Pg	d	21:37:36.49		HZ
	e Sg		21:37:41.70		HE
	IAML		21:37:43.16		HZ
PTEO	e Pg		21:37:39.55		HZ
	e Sg		21:37:46.02		HN
PCVE	e Pg	c	21:37:40.58		HZ
	e Sg		21:37:48.92		HE
	IAML		21:37:49.43		HZ
PARRA	e P		21:37:46.63		HZ
	e S		21:37:58.27		HE
	IAML		21:38:00.11		HZ
PMTG	e P		21:37:49.82		HZ
	e S		21:38:04.03		HN
	IAML		21:38:04.41		HZ













PCVE	e S	04:59:34.37	HE							PMTG	e P	07:34:50.56	HZ				
PSBE	e P	04:58:48.78	HZ								e S	07:35:06.30	HN				
PBDV	e P	04:58:50.39	HZ								IAML	07:35:07.10	HZ	0.014	0.1		
	e S	04:59:37.27	HE							PVRL	e P	07:34:53.07	SZ				
EVO	e P	04:58:51.10	HZ								e S	07:35:08.94	SE				
	e S	04:59:39.45	HE								IAML	07:35:10.41	SZ	0.022	0.2		
	IAML	04:59:42.93	HZ	0.002	0.5					POLO	e P	07:34:54.18	HZ				
PMTG	e P	04:58:50.13	HZ								e S	07:35:10.74	HN				
	e S	04:59:38.79	HE								IAML	07:35:12.70	HZ	0.006	0.4		
PVAQ	e P	04:58:52.06	HZ							PARRA	e Pn	07:34:54.58	HZ				
	e S	04:59:40.55	H1								e Sn	07:35:14.05	HE				
	IAML	04:59:44.69	HZ	0.002	0.1						IAML	07:35:16.57	HZ	0.010	0.3		
PARRA	e P	04:58:51.42	HZ							PMAFR	e Pn	07:34:55.30	HZ				
	e S	04:59:40.83	HN								e Sn	07:35:14.31	HN				
PSARD	e P	04:58:54.76	HZ								IAML	07:35:18.71	HZ	0.015	0.2		
	e S	04:59:46.61	HN							MVO	e Pg	07:34:57.53	HZ				
	IAML	04:59:49.53	HZ	0.002	0.2						e Sg	07:35:16.29	HE				
PESTR	e S	04:59:49.19	HN								IAML	07:35:17.87	HZ	0.015	0.3		
PBAR	e P	04:59:00.23	HZ							PESTR	e Pn	07:34:56.61	HZ				
	e S	04:59:56.28	HN								e Pg	07:34:58.10	HZ				
PMRV	e P	04:59:00.58	HZ								e Sg	07:35:16.38	HN				
	e S	04:59:57.44	HE							PCAB	e Sg	07:35:19.67	EE				
											IAML	07:35:23.60	EZ	0.013	0.4		
14-Mar	Ho	06:39:17.1				ML	2.6			MOE	e Pn	07:34:58.01	HZ				
	Lat	39.403°N	Lon	00.070°E		Prof	17				e Sn	07:35:20.42	HE				
	Região:	E Valência (ESP)									e Sg	07:35:22.81	HE				
	AxMax	2.3	AxMin	1.8	Ang	101	ErrZ	3			IAML	07:35:23.69	HZ	0.014	0.3		
Est	Fase	P h:m:s	Dur	Co		Amp	Per			EVO	e Pn	07:34:59.20	HZ				
PBAR	e Pn	06:40:40.25		HZ							e Sg	07:35:23.53	HN				
	e Sn	06:41:42.64		HE							IAML	07:35:25.45	HZ	0.013	0.4		
	e Sg	06:42:13.36		HN						PGAV	e Pn	07:35:00.92	HZ				
	IAML	06:42:23.43		HZ	0.005	0.5					e Sg	07:35:26.44	HN				
MVO	e Pn	06:40:40.13		HZ							IAML	07:35:30.63	HZ	0.011	0.4		
PBRG	e Pn	06:40:40.89		HZ						PBRG	e Sg	07:35:35.32	HE				
PMRV	e Pn	06:40:41.77		HZ							IAML	07:35:39.76	HZ	0.006	0.4		
	e Sn	06:41:44.98		HE						PBAR	e Pn						

PCVE	e P	08:48:10.70		HZ						PGAV	e PKPdf	10:21:19.32		BZ			
	e S	08:48:39.72		HN							e PKPab	10:22:06.18		BZ			
PVAQ	e P	08:48:13.23		HZ							e SS	10:52:49.59		LE			
	e S	08:48:43.86		H2							e LQ	11:25:08.20		LN			
MOE	e P	08:48:13.22		HZ							IAMs_20	11:34:00.30		LZ	15.16	18	
	e S	08:48:45.20		HN						PCAB	e PKPdf	10:21:20.00		SZ			
PMTG	e S	08:48:55.45		HN							e PKPab	10:22:10.93		SZ			
PBAR	e P	08:48:23.36		HZ						POLO	e pPKPdf	10:21:20.61		BZ			
	e S	08:49:01.42		HE							e PKPab	10:22:07.84		BZ			
PSARD	e P	08:48:25.69		HZ						PVRL	e PKPdf	10:21:20.77		SZ			
	e S	08:49:05.99		HN							e PKPab	10:22:09.68		SZ			
PMRV	e P	08:48:28.96		HZ							e PP	10:25:52.88		SZ			
	e S	08:49:11.58		HE						PBRG	e PKPdf	10:21:17.53		BZ			
											e PKPab	10:22:09.36		BZ			
											e PP	10:25:52.57		BZ			
14-Mar	Ho	09:49:41.1						ML 1.5		PVIS	e PKPdf	10:21:20.62		BZ			
	Lat	37.245°N	Lon	08.432°W				Prof 20			e PKPab	10:22:11.42		BZ			
	Região:	NE Silves						Rms 0.3			e PKPab	10:22:11.42		BZ			
	AxMax	2.3	AxMin	1.8	Ang	157	ErrZ	3			e PP	10:25:56.73		BZ			
Est	Fase	P h:m:s	Dur	Co				Amp Per		MVO	e PKPdf	10:21:21.00		BZ			
MORF	e Pg	d 09:49:45.64		HZ							e PKPab	10:22:11.68		BZ			
	e Sg	09:49:49.36		HN							e PP	10:25:57.68		BZ			
	IAML	09:49:49.49		HZ	0.104	0.2					e SS	10:46:22.92		LN			
PFVI	e Pg	09:49:47.86		HZ							e LR	11:24:13.18		LZ			
	e Sg	09:49:52.73		HN							IAMs_20	11:33:47.33		LZ	12.02	18	
	IAML	09:49:53.01		HZ	0.051	0.1				PCAS	e PKPdf	10:21:20.55		BZ			
PTEO	e Pg	09:49:48.68		HZ							e PKPab	10:22:11.32		BZ			
	e Sg	09:49:54.21		HE							e PP	10:25:57.70		BZ			
	IAML	09:49:55.49		HZ	0.009	0.2				PSBE	e PKPdf	10:21:21.86		BZ			
PBDV	e Pg	09:49:49.03		HZ							e PKPab	10:22:12.91		BZ			
	e Sg	09:49:55.15		HE							e PP	10:25:57.69		BZ			
	IAML	09:49:56.99		HZ	0.016	0.8				MTE	e PKPdf	10:21:21.14		BZ			
PCVE	e Pg	09:49:50.81		HZ							e PKPab	10:22:13.31		BZ			
	e Sg	09:49:57.83		HN							e LR	11:23:48.72		LZ			
	IAML	09:49:58.37		HZ	0.009	0.3					IAMs_20	11:34:37.87		LZ	11.79	18	
PVAQ	e Pg	09:49:52.20		HZ						PMAFR	e PKPdf	10:21:21.01		BZ			
	e Sg	09:50:00.06		H2							e PP	10:25:60.00		BZ			
	IAML	09:50:01.64		HZ	0.016	0.1				PSARD	e PKPdf	10:21:20.91		BZ			
MESJ	e Pg	09:49:52.89		HZ							e PKPab	10:22:12.42		BZ			
	e Sg	09:50:01.20		HN						GGNV	e PKPdf	10:21:22.27		BZ			
	IAML	09:50:03.07		HZ	0.011	0.2				PCBR	e PKPdf	10:21:21.32		SZ			
PBEJ	e P	09:49:57.52		EZ							e PKPab	10:22:12.48		SZ			
	e S	09:50:09.41		EE							e PKPdf	10:21:20.71		BZ			
	IAML	09:50:10.18		EZ	0.005	0.2				PMTG	e PKPab	10:22:14.53		BZ			
MOE	e P	09:50:02.35		HZ						PMRV	e PKPdf	10:21:21.61		BZ			
	e S	09:50:19.93		HN							e PKPab	10:22:15.82		BZ			
	IAML	09:50:26.09		HZ	0.005	0.6					e LR	11:24:00.20		LZ			
EVO	e P	09:50:06.11		HZ							IAMs_20	11:38:42.79		LZ	8.168	18	
	e S	09:50:20.80		HE						PARRA	e PKPdf	10:21:21.67		BZ			
	IAML	09:50:23.48		HZ	0.004	0.3					e PKPab	10:22:15.97		BZ			
PBAR	e Pn	09:50:04.86		HZ							e PP	10:26:03.77		BZ			
	e Sg	09:50:25.80		HE						MOE	e PKPdf	10:21:21.70		BZ			
	IAML	09:50:27.59		HZ	0.002	0.5					e PKPab	10:22:16.65		BZ			
PARRA	e Pn	09:50:06.46		HZ							e PP	10:26:05.70		BZ			
	e Sg	09:50:30.07		HE						EVO	e PKPdf	10:21:22.02		BZ			
	IAML	09:50:32.09		HZ	0.001	0.3					e PKPab	10:22:17.81		BZ			
PESTR	e Sg	09:50:35.87		HN							e PP	10:26:05.78		BZ			
PMTG	e Sg	09:50:37.73		HN						PESTR	e PKPdf	10:21:22.18		BZ			
	IAML	09:50:39.53		HZ	0.003	0.2					e PKPab	10:22:14.61		BZ			
PMRV	e Pn	09:50:16.41		HZ							e PP	10:26:05.69		BZ			
	e Sg	09:50:52.97		HE						PTEO	e PKPdf	10:21:22.38		BZ			
PSARD	e Sn	09:50:44.27		HN							e PKPab	10:22:15.79		BZ			
	e Sg	09:50:54.34		HE							e PP	10:26:06.98		BZ			
	IAML	09:50:57.56		HZ	0.003	0.2				MESJ	e PKPdf	10:21:21.88		BZ			
											e PKPab	10:22:18.89		BZ			
14-Mar	Ho	10:01:17.3						Mw 6.3		PFVI	e PKPdf	10:21:22.88		BZ			
	Lat	27.420°S	Lon	175.685°W				Prof 10			e PKPab	10:22:19.77		BZ			
	Região:	Kermadec Islands Region								MORF	e PKPdf	10:21:22.93		BZ			
Est	Fase	P h:m:s	Dur	Co				Amp Per			e PKPab	10:22:19.37		BZ			
PMOZ	e PKPdf	10:21:18.09		BZ							e PP	10:26:07.69		BZ			
	e PP	10:25:43.59		BZ						PBEJ	e PKPdf	10:21:23.18		SZ			
	e LR	11:16:07.20		LZ							e PKPab	10:22:18.56		SZ			
	IAMs_20	11:30:31.35		LZ	11.80	18				PCVE	e PKPdf	10:21:22.62		BZ			
PMAR	e PKPdf	10:21:19.06		BZ							e PKPab	10:22:19.00		BZ			
	e -	10:21:19.38		BZ							e PP	10:26:07.62		BZ			
PMPST	e PKPdf	10:21:17.77		BZ						PBAR	e PKPdf	10:21:22.50		BZ			
											e PKPab	10:22:19.94		BZ			



<b>14-Mar Ho 18:58:01.8 ML 1.6</b>										<b>15-Mar Ho 06:20:12.7 ML 2.7</b>									
<b>Lat 35.746°N Lon 10.176°W Prof 19*</b>					<b>Lat 34.298°N Lon 05.757°W Prof 27</b>					<b>Lat 34.298°N Lon 05.757°W Prof 27</b>					<b>Lat 34.298°N Lon 05.757°W Prof 27</b>				
<b>Região: Mar de Marrocos Rms 0.3</b>					<b>Região: NW Fez (Marr) Rms 0.4</b>					<b>Região: NW Fez (Marr) Rms 0.4</b>					<b>Região: NW Fez (Marr) Rms 0.4</b>				
<b>AxMax 8.4 AxMin 3.9 Ang 93 ErrZ 0</b>					<b>AxMax 4.3 AxMin 2.4 Ang 84 ErrZ 6</b>					<b>AxMax 4.3 AxMin 2.4 Ang 84 ErrZ 6</b>					<b>AxMax 4.3 AxMin 2.4 Ang 84 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>				<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	18:58:29.67		HZ						PBDV	i Pn	d 06:21:03.34		HZ					
	e S	18:58:50.30		HE							e Sn	06:21:41.86		HE					
	IAML	18:58:52.57		HZ	0.006	0.5					IAML	06:21:47.57		HZ	0.004	0.3			
MORF	e P	18:58:32.82		HZ						PVAQ	e Pn	d 06:21:04.20		HZ					
	e S	18:58:55.72		HN							e Sn	06:21:43.13		H1					
	IAML	18:58:57.96		HZ	0.004	0.1					IAML	06:21:44.94		HZ	0.021	0.4			
PTEO	e S	18:58:59.67		HE						PFVI	e Pn	06:21:08.06		HZ					
PBDV	e S	18:59:04.57		HN							e Sn	06:21:50.69		HE					
PCVE	e S	18:59:09.69		HE							IAML	06:21:55.13		HZ	0.005	0.6			
MESJ	e S	18:59:11.61		HE						PCVE	e Pn	06:21:08.74		HZ					
PMAFR	e S	18:59:26.69		HE							e Sn	06:21:50.68		HN					
PBAR	e S	18:59:32.37		HE							IAML	06:21:57.34		HZ	0.006	0.4			
PARRA	e S	18:59:31.66		HE						MORF	e Pn	06:21:08.25		HZ					
PMTG	e S	18:59:35.61		HE							e Sn	06:21:51.71		HN					
	IAML	18:59:36.48		HZ	0.001	0.1					IAML	06:21:55.80		HZ	0.007	0.1			
PESTR	e S	18:59:37.66		HN						PBAR	e Pn	06:21:11.52		HZ					
PSBE	e S	18:59:42.33		HE							e Sn	06:21:55.68		HN					
PSARD	e S	18:59:47.78		HN							IAML	06:21:56.55		HZ	0.023	0.3			
PMRV	e S	18:59:50.79		HE						PTEO	e Pn	06:21:11.60		HZ					
											e Sn	06:21:57.22		HE					
											IAML	06:22:01.61		HZ	0.005	0.8			
<b>14-Mar Ho 19:37:25.1 ML 1.0</b>										MESJ	e Pn	06:21:12.02		HZ					
<b>Lat 40.195°N Lon 08.432°W Prof 13</b>					<b>Lat 40.195°N Lon 08.432°W Prof 13</b>						e Sn	06:21:57.25		HE					
<b>Região: SW Coimbra Rms 0.3</b>					<b>Região: SW Coimbra Rms 0.3</b>						IAML	06:22:01.39		HZ	0.010	0.3			
<b>AxMax 4.0 AxMin 1.8 Ang 104 ErrZ 4</b>					<b>AxMax 4.0 AxMin 1.8 Ang 104 ErrZ 4</b>					PBEJ	e Pn	06:21:12.67		EZ					
<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	06:21:58.16		EN					
PCAS	i Pg	c 19:37:28.36		HZ							IAML	06:22:00.60		EZ	0.004	1.0			
	e Sg	19:37:31.34		HN						EVO	e Pn	06:21:19.83		HZ					
	IAML	19:37:31.81		HZ	0.019	0.1					e Sn	06:22:10.63		HE					
PSARD	e Pg	19:37:36.41		HZ							IAML	06:22:12.11		HZ	0.011	0.1			
	e Sg	19:37:45.38		HN						MOE	e Pn	06:21:21.41		HZ					
	IAML	19:37:46.75		HZ	0.008	0.2					e Sn	06:22:13.03		HE					
PVIS	e Sg	19:37:45.89		HE							IAML	06:22:14.34		HZ	0.010	0.5			
MTE	e Pg	19:37:38.83		HZ						PESTR	e Pn	06:21:22.44		HZ					
	e Sg	19:37:48.09		HE							e Sn	06:22:14.21		HN					
PSBE	e P	19:37:38.62		HZ							IAML	06:22:17.80		HZ	0.005	0.2			
	e S	19:37:48.45		HE						PARRA	e Pn	06:21:23.40		HZ					
PCBR	e P	19:37:40.03		EZ							e Sn	06:22:16.55		HN					
	e S	19:37:50.87		EE							IAML	06:22:18.25		HZ	0.005	0.5			
	IAML	19:37:51.73		EZ	0.003	0.2				PMTG	e Pn	06:21:27.47		HZ					
PMRV	e P	19:37:44.87		HZ							e Sn	06:22:24.16		HN					
	e S	19:37:59.58		HN							IAML	06:22:26.66		HZ	0.004	0.5			
	IAML	19:38:01.09		HZ	0.002	0.1				PMRV	e Pn	06:21:29.30		HZ					
PMTG	e P	19:37:44.87		HZ							e Sn	06:22:25.22		HE					
	e S	19:37:59.87		HE							IAML	06:22:28.22		HZ	0.012	0.2			
	IAML	19:38:01.75		HZ	0.003	0.7				PMAFR	e Pn	06:21:31.63		HZ					
POLO	e S	19:38:04.39		HN							e Sn	06:22:32.52		HN					
PMAFR	e S	19:38:07.33		HE							IAML	06:22:44.05		HZ	0.009	0.9			
PARRA	e P	19:37:49.71		HZ						PSARD	e Pn	d 06:21:33.95		HZ					
	e S	19:38:07.51		HN							e Sn	06:22:34.63		HN					
	IAML	19:38:08.61		HZ	0.001	0.4					IAML	06:22:36.87		HZ	0.013	0.6			
MVO	e Sg	19:38:09.71		HN						PCBR	e Pn	06:21:35.41		EZ					
	IAML	19:38:13.93		HZ	0.002	1.0					e Sn	06:22:35.40		EN					
PESTR	e Sg	19:38:10.54		HN							IAML	06:22:38.91		EZ	0.006	0.2			
PGAV	e Sg	19:38:19.60		HN						PSBE	e Pn	06:21:35.91		HZ					
	IAML	19:38:21.28		HZ	0.003	0.3					e Sn	06:22:37.83		HN					
<b>14-Mar</b>										PCAS	e Pn	06:21:42.43		HZ					
<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	06:22:48.28		HN					
PBAR	e Pn	20:55:11.06		HZ						MTE	e Pn	06:21:42.89		HZ					
	e Sg	20:55:36.57		HN							e Sn	06:22:49.99		HE					
	IAML	20:55:40.29		HZ	0.002	0.9					IAML	06:22:53.37		HZ	0.009	0.4			
PVAQ	e Pn	20:55:11.70		HZ						PVIS	e Pn	06:21:48.33		HZ					
	e Sn	20:55:37.13		H2							e Sn	06:22:57.48		HN					
	e Sg	20:55:42.56		H2						MVO	e Pn	06:21:52.27		HZ					
	IAML	20:55:46.38		HZ	0.001	0.5					e Sn	06:23:06.54		HN					
PARRA	e Sn	20:55:57.19		HE							IAML	06:23:20.99		HZ	0.004	0.8			
	e Sg	20:56:07.38		HN						PVRL	e Pn	06:21:54.89		SZ					
PESTR	e Sg	20:56:00.36		HN							e Sn	06:23:10.45		SN					
PSARD	e Sn	20:56:11.26		HN							IAML	06:23:13.70		SZ	0.007	0.4			





PMRV	e P	10:10:47.09	HZ				MVO	e P	22:13:37.45	BZ			
	e S	10:12:35.59	HN					e pP	22:13:42.38	BZ			
PCBR	e P	10:10:50.08	EZ					IAMB	22:13:45.14	BZ	0.098	1.0	
MTE	e P	10:10:54.41	HZ					e S	22:21:04.24	LE			
PVIS	e P	10:10:55.11	HZ					e LR	22:33:09.63	LZ			
	e S	10:12:45.39	HN					IAMS_20	22:41:51.61	LZ	0.629	18	
POLO	e P	10:11:02.79	HZ				PBAR	e P	22:13:38.71	BZ			
PCAB	e P	10:11:05.03	EZ					e pP	22:13:44.30	BZ			
MVO	e P	10:11:05.40	HZ					IAMB	22:13:47.22	BZ	0.117	1.3	
PBRG	e P	10:11:13.15	HZ				MTE	e pP	22:13:45.52	BZ			
								e S	22:21:11.00	LN			
								e LR	22:33:59.36	LZ			
								IAMS_20	22:37:36.50	LZ	0.723	18	
PMRV	e P	22:13:40.23	BZ					e P	22:13:40.23	BZ			
	e pP	22:13:45.29	BZ					IAMB	22:13:48.04	BZ	0.060	1.1	
								e S	22:21:08.33	LN			
								e LR	22:34:27.21	LZ			
								IAMS_20	22:43:25.98	LZ	0.808	16	
PCBR	e pP	22:13:45.86	SZ				PCBR	e pP	22:13:45.86	SZ			
PVRL	e P	22:13:41.17	SZ					e P	22:13:41.17	SZ			
								IAMB	22:13:49.46	SZ	0.113	1.8	
POLO	e pP	22:13:45.51	BZ				POLO	e pP	22:13:45.51	BZ			
PESTR	e pP	22:13:46.40	BZ				PESTR	e pP	22:13:46.40	BZ			
PCAB	e pP	22:13:47.38	SZ				PCAB	e pP	22:13:47.38	SZ			
PVIS	e P	22:13:42.87	BZ				PVIS	e P	22:13:42.87	BZ			
	e pP	22:13:47.54	BZ					e pP	22:13:47.54	BZ			
PGAV	e pP	22:13:49.03	BZ				PGAV	e pP	22:13:49.03	BZ			
	e LR	22:33:47.41	LZ					e LR	22:33:47.41	LZ			
								IAMS_20	22:40:26.41	LZ	0.774	16	
PVAQ	e LR	22:31:39.28	LZ				PVAQ	e LR	22:31:39.28	LZ			
								IAMS_20	22:41:29.30	LZ	0.617	20	
PBEJ	e P	22:13:46.00	SZ				PBEJ	e P	22:13:46.00	SZ			
	e pP	22:13:48.72	SZ					e pP	22:13:48.72	SZ			
								IAMB	22:13:52.82	SZ	0.071	1.8	
PSARD	e P	22:13:46.65	BZ				PSARD	e P	22:13:46.65	BZ			
	e pP	22:13:49.70	BZ					e pP	22:13:49.70	BZ			
								IAMB	22:13:53.50	BZ	0.062	0.9	
PARRA	e pP	22:13:48.94	BZ				PARRA	e pP	22:13:48.94	BZ			
EVO	e P	22:13:42.09	BZ				EVO	e P	22:13:42.09	BZ			
	e pP	22:13:49.45	BZ					e pP	22:13:49.45	BZ			
								IAMB	22:13:52.61	BZ	0.076	1.2	
PMTG	e pP	22:13:50.24	BZ				PMTG	e pP	22:13:50.24	BZ			
PBDV	e pP	22:13:50.93	BZ				PBDV	e pP	22:13:50.93	BZ			
PCVE	e pP	22:13:50.28	BZ				PCVE	e pP	22:13:50.28	BZ			
PCAS	e P	22:13:46.48	BZ				PCAS	e P	22:13:46.48	BZ			
	e pP	22:13:51.47	BZ					e pP	22:13:51.47	BZ			
PSBE	e pP	22:13:54.25	BZ				PSBE	e pP	22:13:54.25	BZ			
PFVI	e pP	22:13:58.47	BZ				PFVI	e pP	22:13:58.47	BZ			
PMAR	e pP	22:14:49.97	BZ				PMAR	e pP	22:14:49.97	BZ			
PMOZ	e LR	22:46:07.69	LZ				PMOZ	e LR	22:46:07.69	LZ			
								IAMS_20	22:46:49.62	LZ	0.457	18	
16-Mar	Ho	01:53:23.5	Distante (NEIC)	mb	4.6		16-Mar	Ho	01:53:23.5	Distante (NEIC)	mb	4.6	
	Lat	35.202°N	Lon	27.013°E	Prof	10		Lat	35.202°N	Lon	27.013°E	Prof	10
Est	Fase	P h:m:s	Dur	Co	Amp	Per	Est	Fase	P h:m:s	Dur	Co	Amp	Per
PBRG	e P	01:59:08.59		BZ			PBRG	e P	01:59:08.59		BZ		
MVO	e P	01:59:08.29		BZ			MVO	e P	01:59:08.29		BZ		
PBAR	e P	01:59:08.82		BZ			PBAR	e P	01:59:08.82		BZ		
PMRV	e P	01:59:10.36		BZ			PMRV	e P	01:59:10.36		BZ		
PCBR	e P	01:59:12.98		SZ			PCBR	e P	01:59:12.98		SZ		
MTE	e P	01:59:11.72		BZ			MTE	e P	01:59:11.72		BZ		
POLO	e P	01:59:13.71		BZ			POLO	e P	01:59:13.71		BZ		
PVAQ	e P	01:59:13.84		BZ			PVAQ	e P	01:59:13.84		BZ		
PBEJ	e P	01:59:17.26		SZ			PBEJ	e P	01:59:17.26		SZ		
PARRA	e P	01:59:16.68		BZ			PARRA	e P	01:59:16.68		BZ		
16-Mar	Ho	03:57:23.9				ML 0.8	16-Mar	Ho	03:57:23.9				ML 0.8
	Lat	37.075°N	Lon	08.555°W	Prof	18		Lat	37.075°N	Lon	08.555°W	Prof	18
					Rms	0.3						Rms	0.3
Est	Fase	P h:m:s	Dur	Co	Amp	Per	Est	Fase	P h:m:s	Dur	Co	Amp	Per
PFVI	e Pg	03:57:28.65		HZ			PFVI	e Pg	03:57:28.65		HZ		
	e Sg	03:57:32.55		HN				e Sg	03:57:32.55		HN		
								IAML	03:57:33.12		HZ	0.010	0.2

[illegible]

PSBE	e S	21:42:11.34		HN					
PCBR	e Pn	21:41:57.13		EZ					
	e Sn	21:42:17.67		EN					
PCAS	e Sg	21:42:24.44		HN					
17-Mar	Ho	00:32:48.1			ML 2.5				
	Lat	37.167°N			Lon	15.221°W			Prof 18*
	Região: Madeira-Tore					Rms	0.4		
	AxMax	6.6	AxMin	6.5	Ang	155	ErrZ	0	
Est	Fase	P h:m:s		Dur	Co	Amp		Per	
PMAFR	e P	00:33:57.67			HZ				
	e S	00:34:50.52			HE				
	IAML	00:34:53.09			HZ	0.012	1.1		
PFVI	e P	00:33:58.77			HZ				
	e S	00:34:52.54			HE				
PTEO	e P	00:33:59.36			HZ				
	e S	00:34:51.87			HN				
	IAML	00:34:56.43			HZ	0.014	0.7		
MORF	e P	00:34:00.75			HZ				
	e S	00:34:54.07			HE				
	IAML	00:35:01.62			HZ	0.006	0.7		
MESJ	e P	00:34:05.44			HZ				
	e S	00:35:03.37			HE				
	IAML	00:35:07.48			HZ	0.003	0.7		
PCVE	e P	00:34:07.29			HZ				
	e S	00:35:06.32			HN				
	IAML	00:35:09.52			HZ	0.003	0.6		
PBDV	e P	00:34:09.46			HZ				
	e S	00:35:08.42			HN				
	IAML	00:35:10.16			HZ	0.004	0.7		
PMTG	e P	00:34:08.83			HZ				
	e S	00:35:08.81			HN				
	IAML	00:35:16.84			HZ	0.003	0.8		
EVO	e P	00:34:09.91			HZ				
	e S	00:35:09.06			HN				
	IAML	00:35:12.52			HZ	0.004	0.1		
PBEJ	e S	00:35:10.59			EN				
	IAML	00:35:14.86			EZ	0.002	0.6		
PARRA	e P	00:34:09.27			HZ				
	e S	00:35:09.67			HN				
	IAML	00:35:12.40			HZ	0.002	0.5		
PVAQ	e P	00:34:10.75			HZ				
	e S	00:35:12.17			H2				
	IAML	00:35:17.77			HZ	0.002	0.3		
PCAS	e P	00:34:11.27			HZ				
	e S	00:35:14.02			HN				
	IAML	00:35:18.50			HZ	0.005	0.3		
PSARD	e P	00:34:12.15			HZ				
	e S	00:35:14.26			HE				
	IAML	00:35:16.83			HZ	0.006	0.2		
PESTR	e S	00:35:18.62			HN				
	IAML	00:35:23.08			HZ	0.003	0.3		
PMRV	e P	00:34:18.10			HZ				
	e S	00:35:26.06			HE				
	IAML	00:35:31.74			HZ	0.003	0.6		
PBAR	e P	00:34:18.45			HZ				
	e S	00:35:26.21			HN				
	IAML	00:35:39.87			HZ	0.002	0.7		
PCBR	e P	00:34:19.83			EZ				
	e S	00:35:28.11			EN				
	IAML	00:35:29.33			EZ	0.003	0.8		
PVIS	e P	00:34:20.41			HZ				
	e S	00:35:29.90			HE				
PVRL	e P	00:34:25.42			SZ				
	e S	00:35:39.90			SE				
	IAML	00:35:45.17			SZ	0.003	0.8		
POLO	e P	00:34:26.62			HZ				
	e S	00:35:39.79			HN				
PGAV	e P	00:34:26.96			HZ				
	e S	00:35:41.56			HE				
MVO	e P	00:34:31.55			HZ				
	e S	00:35:48.86			HN				
	IAML	00:35:53.35			HZ	0.003	0.3		
17-Mar	Ho	01:57:39.2			ML 0.9				
	Lat	36.642°N			Lon	07.462°W			Prof 18
	Região: Golfo de Cádiz					Rms	0.3		
	AxMax	12.8	AxMin	5.7	Ang	84	ErrZ	4	
Est	Fase	P h:m:s		Dur	Co	Amp		Per	
PBDV	e P	01:57:52.37			HZ				
	e S	01:58:01.95			HN				
PVAQ	e P	01:57:53.59			HZ				
	e S	01:58:04.01			H1				
PCVE	e S	01:58:12.15			HN				
MORF	e P	01:57:59.25			HZ				
MOE	e P	01:58:10.22			HZ				
PARRA	e P	01:58:13.56			HZ				
	e S	01:58:39.71			HE				
PMRV	e P	01:58:22.12			HZ				
17-Mar	Ho	02:25:50.0			ML 1.2				
	Lat	37.667°N			Lon	07.787°W			Prof 11
	Região: NW Mértola					Rms	0.3		
	AxMax	1.8	AxMin	1.4	Ang	84	ErrZ	7	
Est	Fase	P h:m:s		Dur	Co	Amp		Per	
PCVE	i Pg	c 02:25:54.10			HZ				
	e Sg	02:25:57.20			HN				
	IAML	02:25:57.90			HZ	0.011	0.2		
PVAQ	e Pg	d 02:25:55.30			HZ				
	e Sg	02:25:58.98			H2				
	IAML	02:25:59.80			HZ	0.013	0.4		
PBEJ	e Pg	02:25:56.64			EZ				
	e Sg	02:26:01.71			EE				
	IAML	02:26:02.27			EZ	0.007	0.3		
MESJ	e Pg	02:25:56.89			HZ				
	e Sg	02:26:02.07			HN				
	IAML	02:26:03.98			HZ	0.008	0.1		
PBDV	e Pg	02:25:58.41			HZ				
	e Sg	02:26:04.20			HE				
	IAML	02:26:06.12			HZ	0.005	0.2		
PTEO	e P	02:26:04.16			HZ				
	e S	02:26:13.74			HN				
MORF	e P	02:26:04.29			HZ				
	e S	02:26:14.87			HN				
	IAML	02:26:16.04			HZ	0.005	0.6		
PBAR	e P	02:26:04.39			HZ				
	e S	02:26:14.94			HE				
	IAML	02:26:16.36			HZ	0.002	0.3		
EVO	e P	02:26:06.35			HZ				
	e S	02:26:17.83			HN				
	IAML	02:26:19.78			HZ	0.005	0.5		
MOE	e P	02:26:07.95			HZ				
	e S	02:26:20.70			HN				
	IAML	02:26:22.64			HZ	0.003	0.7		
PARRA	e P	02:26:11.12			HZ				
	e S	02:26:26.11			HE				
	IAML	02:26:27.31			HZ	0.003	0.4		
PESTR	e S	02:26:27.53			HE				
	IAML	02:26:28.78			HZ	0.003	0.6		
PMTG	e Pg	02:26:16.18			HZ				
	e Sg	02:26:34.51			HN				
	IAML	02:26:36.34			HZ	0.002	0.3		
PMRV	e Pg	02:26:22.50			HZ				
	e Sg	02:26:45.04			HN				
	IAML	02:26:47.40			HZ	0.002	0.3		
PSARD	e Pg	02:26:25.41			HZ				
	e Sg	02:26:50.40			HN				
	IAML	02:26:55.79			HZ	0.004	0.8		
17-Mar									
Est	Fase	P h:m:s		Dur	Co	Amp		Per	
PFVI	e P	c 04:39:56.53			HZ				
	e S	04:40:19.32			HE				
	IAML	04:40:21.39			HZ	0.010	0.8		
MORF	e S	04:40:23.63			HE				
PTEO	e S	04:40:24.41			HN				
PBDV	e S	04:40:37.06			HN				
PMAFR	e S	04:40:37.23			HE				
PVAQ	e S	04:40:42.45			H2				
	IAML	04:40:44.19			HZ	0.003	0.8		

Boletim Sismológico Preliminar do Continente e Madeira  
Março 2020

EVO	e S	04:40:47.88	HN							PVIS	e P	05:43:26.22	HZ						
	IAML	04:40:49.88	HZ	0.002	0.3						e S	05:44:26.88	HN						
PARRA	e S	04:40:51.06	HN							MTE	e P	05:43:26.29	HZ						
	IAML	04:40:54.15	HZ	0.002	0.6						e S	05:44:27.41	HE						
PBAR	e S	04:40:59.52	HN								IAML	05:44:29.30	HZ	0.005	0.4				
PSARD	e S	04:41:02.62	HN							PVRL	e S	05:44:37.06	SN						
PMRV	e S	04:41:10.62	HN								IAML	05:44:37.96	SZ	0.004	0.1				
<b>17-Mar</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>	<i>Amp</i>	<i>Per</i>			
PGAV	e Pg	04:41:08.96		HZ						PCAB	e S	05:44:39.85	EE						
	IAML	04:41:13.97		HZ	0.003	0.6					IAML	05:44:41.29	EZ	0.008	0.3				
	e Sg	04:41:15.95		HN						PGAV	e P	05:44:34.75	HZ						
PCAB	e Sg	04:41:13.24		EE							e S	05:44:40.29	HE						
POLO	e Sg	04:41:17.56		HN							IAML	05:44:44.17	HZ	0.002	0.3				
	IAML	04:41:21.08		HZ	0.001	0.8				MVO	e P	05:43:36.91	HZ						
PVIS	e S	04:41:29.36		HE							e S	05:44:44.70	HN						
MVO	e S	04:41:36.39		HN							IAML	05:44:48.50	HZ	0.004	0.3				
	IAML	04:41:37.23		HZ	0.002	0.8				PBRG	e P	05:43:45.32	HZ						
<b>17-Mar Ho 05:42:06.3 ML 2.5</b>																			
		<b>Lat 37.068°N</b>	<b>Lon 13.608°W</b>		<b>Prof 4*</b>														
		<b>Região: Josephine</b>			<b>Rms 0.3</b>					<b>17-Mar</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 5.8 AxMin 4.1 Ang 92 ErrZ 0</b>									PFVI	e P	05:47:53.62		HZ				
<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	05:48:07.14		HE				
PFVI	e P	05:42:59.30		HZ								IAML	05:48:09.08		HZ	0.015	0.8		
	e S	05:43:39.03		HN						PBDV	e P	05:48:02.21		HZ					
	IAML	05:43:42.49		HZ	0.013	0.8					e S	05:48:22.91		HN					
PMAFR	e P	05:43:00.68		HZ						MORF	e S	05:48:12.88		HE					
	e S	05:43:40.87		HN							IAML	05:48:15.42		HZ	0.005	0.5			
	IAML	05:43:46.12		HZ	0.012	0.2				PTEO	e S	05:48:15.82		HN					
PTEO	e P	05:43:01.00		HZ							PCVE	e S	05:48:27.18		HN				
	e S	05:43:41.76		HE						MESJ	e S	05:48:27.87		HE					
	IAML	05:43:49.21		HZ	0.010	0.6				PVAQ	e S	05:48:28.46		H2					
MORF	e S	05:43:42.56		HN							IAML	05:48:29.40		HZ	0.004	0.7			
	IAML	05:43:47.82		HZ	0.011	0.1				EVO	e S	05:48:42.26		HE					
MESJ	e P	05:43:07.08		HZ							IAML	05:48:42.30		HZ	0.002	0.5			
	e S	05:43:52.13		HE						PMAFR	e S	05:48:43.15		HE					
	IAML	05:43:56.84		HZ	0.002	0.1				PARRA	e S	05:48:48.33		HE					
MOE	e P	05:43:07.50		HZ						PBAR	e S	05:48:50.20		HN					
	e S	05:43:53.71		HN						PMTG	e S	05:48:51.28		HE					
	IAML	05:43:55.53		HZ	0.008	0.3					IAML	05:48:53.10		HZ	0.002	0.9			
PCVE	e S	05:43:54.98		HE						PSARD	e S	05:49:03.44		HN					
	IAML	05:43:58.84		HZ	0.004	0.5				PMRV	e S	05:49:07.22		HE					
PSBE	e S	05:43:58.07		HN						<b>17-Mar</b>									
PBDV	e S	05:43:56.74		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	05:44:01.76		HZ	0.006	0.5				PMRV	e Sg	06:31:27.89		HN					
PBEJ	e S	05:43:59.21		EN							IAML	06:31:37.43		HZ	0.002	0.7			
	IAML	05:44:00.30		EZ	0.003	0.2				PBAR	e Sg	06:31:30.32		HE					
EVO	e S	05:43:59.75		HE							IAML	06:31:35.40		HZ	0.002	0.5			
	IAML	05:44:04.98		HZ	0.006	0.1				PSARD	e Sg	06:31:45.92		HN					
PMTG	e P	05:43:11.04		HZ						<b>17-Mar Ho 08:22:57.4 ML 1.5</b>									
	e S	05:44:00.40		HE															
	IAML	05:44:07.42		HZ	0.004	0.9					<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp</i>	<i>Per</i>		
PVAQ	e P	05:43:12.09		HZ						PFVI	e P	08:23:10.32		HZ					
	e S	05:44:00.99		H1							e S	08:23:20.18		HE					
	IAML	05:44:05.76		HZ	0.006	0.2					IAML	08:23:22.48		HZ	0.007	0.2			
PARRA	e P	05:43:11.47		HZ						MORF	e P	08:23:14.18		HZ					
	e S	05:44:01.21		HN							e S	08:23:27.20		HN					
	IAML	05:44:07.44		HZ	0.003	0.2					IAML	08:23:28.00		HZ	0.009	0.1			
PSARD	e P	05:43:15.27		HZ						PTEO	e P	08:23:17.55		HZ					
	e S	05:44:06.95		HE							e S	08:23:31.98		HN					
	IAML	05:44:11.59		HZ	0.010	0.3					IAML	08:23:35.09		HZ	0.011	0.8			
PCAS	e P	05:43:15.18		HZ						PBDV	e P	08:23:21.45		HZ					
	e S	05:44:07.69		HN							e S	08:23:37.27		HE					
	IAML	05:44:11.87		HZ	0.004	1.2					IAML	08:23:41.68		HZ	0.004	1.1			
PESTR	e S	05:44:10.07		HE						PCVE	e P	08:23:23.29		HZ					
	IAML	05:44:14.17		HZ	0.002	0.5					e S	08:23:42.82		HE					
PBAR	e S	05:44:16.42		HE							IAML	08:23:45.65		HZ	0.003	0.8			
	IAML	05:44:18.64		HZ	0.002	0.1				MESJ	e S	08:23:44.87		HN					
PMRV	e P	05:43:21.23		HZ							IAML	08:23:48.86		HZ	0.003	0.4			
	e S	05:44:18.03		HE															
	IAML	05:44:20.87		HZ	0.004	0.4													
PCBR	e P	05:43:23.12		EZ															
	e S	05:44:21.98		EE															
	IAML	05:44:24.60		EZ	0.002	0.3													

[illegible]

Boletim Sismológico Preliminar do Continente e Madeira  
Março 2020

PFVI	e P	17:52:50.69	HZ					PBEJ	e PKPdf	03:32:12.90	SZ
	e S	17:53:03.30	HE					MOE	e PKPdf	03:32:13.00	BZ
	IAML	17:53:08.72	HZ	0.011	0.8			MESJ	e PKPdf	03:32:13.05	BZ
MORF	e P	17:52:52.15	HZ					PCVE	e PKPdf	03:32:14.52	BZ
	e S	17:53:05.57	HE					MORF	e PKPdf	03:32:15.76	BZ
	IAML	17:53:08.54	HZ	0.010	0.2						
PVAQ	e P	17:52:52.82	HZ								
	e S	17:53:06.53	H2								
	IAML	17:53:07.23	HZ	0.009	0.1						
PTEO	e S	17:53:11.57	HN								
	IAML	17:53:13.28	HZ	0.003	0.2						
PCVE	e P	17:52:55.68	HZ								
	e S	17:53:11.41	HE								
	IAML	17:53:12.19	HZ	0.008	0.4						
MESJ	e P	17:52:58.56	HZ								
	e S	17:53:16.59	HE								
	IAML	17:53:17.19	HZ	0.009	0.3						
PBEJ	e S	17:53:21.23	EN								
	IAML	17:53:21.75	EZ	0.004	0.6						
PBAR	e P	17:53:05.41	HZ								
	e S	17:53:29.56	HN								
	IAML	17:53:31.06	HZ	0.002	0.2						
EVO	e P	17:53:07.98	HZ								
	e S	17:53:33.43	HE								
	IAML	17:53:35.07	HZ	0.006	0.2						
MOE	e P	17:53:07.89	HZ								
	e S	17:53:33.14	HN								
	IAML	17:53:34.36	HZ	0.007	0.2						
PARRA	e P	17:53:11.56	HZ								
	e S	17:53:39.40	HE								
	IAML	17:53:42.36	HZ	0.003	0.2						
PMTG	e P	17:53:15.02	HZ								
	e S	17:53:46.32	HN								
	IAML	17:53:48.60	HZ	0.004	0.2						
PMRV	e P	17:53:20.63	HZ								
	e S	17:53:56.14	HE								
	IAML	17:53:58.85	HZ	0.001	0.2						
PSARD	e P	17:53:22.49	HZ								
	e S	17:53:58.77	HN								
	IAML	17:54:02.30	HZ	0.006	0.2						
<b>17-Mar</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	i Pg	19:18:00.30		HZ							
	e Sg	19:18:07.01		HE							
	IAML	19:18:07.77		HZ	0.006	0.1					
POLO	e P	19:18:11.36		HZ							
	e S	19:18:25.26		HE							
	IAML	19:18:28.20		HZ	0.002	0.2					
PBRG	e S	19:18:27.98		HE							
	IAML	19:18:29.98		HZ	0.003	0.1					
PVRL	e S	19:18:29.19		SE							
	IAML	19:18:30.18		SZ	0.014	0.1					
MVO	e Sg	19:18:38.05		HN							
	IAML	19:18:38.59		HZ	0.002	0.1					
PVIS	e Sg	19:18:44.98		HE							
<b>18-Mar</b>											
<b>Ho</b>	<b>03:13:29.6</b>	<b>Distante (NEIC)</b>	<b>Mw 5.4</b>								
<b>Lat</b>	<b>03.020°N</b>	<b>Lon</b>	<b>128.038°E</b>	<b>Prof</b>	<b>102</b>						
<b>Região: North of Halmahera, Indonesia</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>					
MVO	e PKPdf	03:32:09.28		BZ							
PGAV	e PKPdf	03:32:09.35		BZ							
POLO	e PKPdf	03:32:09.75		BZ							
PVRL	e PKPdf	03:32:09.59		SZ							
MTE	e PKPdf	03:32:10.50		BZ							
PCBR	e PKPdf	03:32:10.84		SZ							
PMRV	e PKPdf	03:32:11.45		BZ							
PCAS	e PKPdf	03:32:11.90		BZ							
PSARD	e PKPdf	03:32:12.09		BZ							
PESTR	e PKPdf	03:32:12.25		BZ							
PBAR	e PKPdf	03:32:11.98		BZ							
PMTG	e PKPdf	03:32:11.90		BZ							
PARRA	e PKPdf	03:32:12.36		BZ							
PSBE	e PKPdf	03:32:12.23		BZ							
<b>18-Mar</b>											
<b>Ho</b>	<b>03:13:45.7</b>	<b>Distante (NEIC)</b>	<b>Mw 6.1</b>								
<b>Lat</b>	<b>13.136°S</b>	<b>Lon</b>	<b>167.028°E</b>	<b>Prof</b>	<b>176</b>						
<b>Região: Vanuatu 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>					
PBRG	e PKPbc	03:33:16.80		BZ							
	e PKPab	03:33:24.52		BZ							
	e -	03:34:05.19		BZ							
PGAV	e PKPdf	03:33:10.24		BZ							
	e PKPbc	03:33:16.93		BZ							
	e -	03:34:03.78		BZ							
PCAB	e PKPdf	03:33:10.98		SZ							
	e PKPbc	03:33:17.58		SZ							
	e PKPab	03:33:27.94		SZ							
POLO	e PKPbc	03:33:18.46		BZ							
	e -	03:34:07.27		BZ							
MVO	e PKPdf	03:33:12.17		BZ							
	e PKPbc	03:33:18.72		BZ							
	e -	03:34:08.39		BZ							
PVRL	e PKPdf	03:33:10.43		SZ							
	e PKPbc	03:33:18.85		SZ							
	e -	03:34:07.95		SZ							
PVIS	e PKPdf	03:33:12.06		BZ							
	e PKPbc	03:33:19.55		BZ							
	e PKPab	03:33:29.37		BZ							
	e -	03:34:09.04		BZ							
MTE	e PKPdf	03:33:12.54		BZ							
	e PKPbc	03:33:20.55		BZ							
	e PKPab	03:33:30.47		BZ							
	e -	03:34:10.18		BZ							
PCAS	e PKPdf	03:33:13.85		BZ							
	e PKPbc	03:33:21.26		BZ							
	e PKPab	03:33:33.95		BZ							
	e -	03:34:09.31		BZ							
PCBR	e PKPdf	03:33:13.27		SZ							
	e PKPbc	03:33:21.16		SZ							
	e PKPab	03:33:34.39		SZ							
	e -	03:34:08.22		SZ							
PSARD	e PKPdf	03:33:14.26		BZ							
	e PKPbc	03:33:22.08		BZ							
	e PKPab	03:33:36.09		BZ							
	e -	03:34:10.71		BZ							
PMRV	e PKPdf	03:33:13.64		BZ							
	e PKPbc	03:33:22.63		BZ							
	e PKPab	03:33:36.20		BZ							
	e -	03:34:12.37		BZ							
PSBE	e PKPbc	03:33:22.73		BZ							
	e -	03:34:11.32		BZ							
PMTG	e PKPbc	03:33:23.19		BZ							
	e PKPab	03:33:37.49		BZ							
	e -	03:34:13.96		BZ							
PESTR	e PKPbc	03:33:23.57		BZ							
PARRA	e PKPbc	03:33:23.68		BZ							
	e -	03:34:13.25		BZ							
PMAFR	e PKPbc	03:33:25.00		BZ							
	e PKPab	03:33:39.92		BZ							
	e -	03:34:14.22		BZ							
EVO	e PKPbc	03:33:24.60		BZ							
	e PKPab	03:33:39.72		BZ							
MOE	e PKPbc	03:33:24.28		BZ							
	e PKPab	03:33:39.10		BZ							
PBAR	e PKPdf	03:33:15.93		BZ							
	e PKPbc	03:33:25.25		BZ							
	e PKPab	03:33:40.65		BZ							
PBEJ	e PKPdf	03:33:16.74		SZ							
	e PKPab	03:33:42.10		SZ							
	e -	03:34:14.74		SZ							
MESJ	e PKPdf	03:33:17.05		BZ							
	e PKPbc	03:33:26.71		BZ							
	e PKPab	03:33:42.42		BZ							
	e -	03:34:17.48		BZ							



PMTG	e P	12:28:48.05	HZ				
	e S	12:28:58.07	HN				
	IAML	12:29:00.90	HZ	0.002	0.8		
PARRA	e S	12:29:01.25	HE				
	IAML	12:29:02.38	HZ	0.002	0.5		
EVO	e S	12:29:03.29	HE				
PSARD	e S	12:29:08.26	HE				
	IAML	12:29:08.83	HZ	0.003	0.2		
PESTR	e S	12:29:13.32	HN				
PBAR	e Sg	12:29:29.12	HE				
	IAML	12:29:32.42	HZ	0.001	0.7		
<hr/>							
18-Mar	Ho	13:07:28.9			ML 1.9		
	Lat	32.379°N	Lon	16.767°W	Prof 2*		
	Região: SW Desertas (Madeira)				Rms 0.2		
	AxMax	7.9	AxMin	4.5	Ang 50	ErrZ 0	
Est	Fase	P h:m:s	Dur	Co	Amp	Per	
FUL	e P	13:07:33.83		EZ			
	e S	13:07:37.60		EE			
	IAML	13:07:39.39		EZ	0.112	0.2	
PMAR	e P	13:07:34.79		HZ			
	e S	13:07:39.57		H1			
	IAML	13:07:42.23		HZ	0.136	0.2	
PMOZ	e P	13:07:38.21		HZ			
	e S	13:07:45.17		HE			
	IAML	13:07:48.48		HZ	0.102	0.4	
PMPST	e P	13:07:41.11		HZ			
<hr/>							
18-Mar	Ho	13:09:31.5			Distante (NEIC)	Mw 5.7	
	Lat	40.751°N			Lon 112.078°W	Prof 12	
	Região: Utah						
Est	Fase	P h:m:s	Dur	Co	Amp	Per	
PGAV	e P	13:20:59.97		BZ			
	e pP	13:21:03.38		BZ			
	IAMB	13:21:05.79		BZ	0.097	1.6	
	e S	13:30:28.01		LN			
	e LR	13:48:40.92		LZ			
	IAMS_20	13:54:54.36		LZ	1.143	16	
PMOZ	e P	13:21:01.05		LZ			
	e LR	13:46:39.94		LZ			
	IAMS_20	13:51:54.97		LZ	1.728	20	
PCAB	e P	13:21:01.94		SZ			
	e pP	13:21:05.42		SZ			
	IAMB	13:21:07.66		SZ	0.178	1.5	
PMPS	e pP	13:21:07.05		EZ			
POLO	e P	13:21:03.94		BZ			
	e pP	13:21:07.22		BZ			
	IAMB	13:21:09.91		BZ	0.101	1.6	
PVRL	e P	13:21:04.69		SZ			
	e pP	13:21:08.26		SZ			
	IAMB	13:21:10.39		SZ	0.203	1.7	
PBRG	e P	13:21:05.88		BZ			
	e pP	13:21:09.40		BZ			
	IAMB	13:21:11.83		BZ	0.164	1.7	
PVIS	e P	13:21:05.53		BZ			
	e pP	13:21:09.32		BZ			
PCAS	e P	13:21:06.27		BZ			
	e pP	13:21:09.92		BZ			
	IAMB	13:21:12.48		BZ	0.241	1.7	
MVO	e P	13:21:07.42		BZ			
	e pP	13:21:10.67		BZ			
	IAMB	13:21:13.45		BZ	0.269	1.7	
	e S	13:30:41.17		LE			
	e LR	13:49:19.70		LZ			
	IAMS_20	13:53:41.49		LZ	1.165	16	
PSBE	e P	13:21:07.65		BZ			
	e pP	13:21:11.29		BZ			
	IAMB	13:21:13.44		BZ	0.241	1.8	
PMAFR	e P	13:21:08.09		BZ			
	e pP	13:21:11.49		BZ			
	IAMB	13:21:13.53		BZ	0.334	1.7	





19-Mar							PCVE	e Pn	15:35:09.85	HZ			
Est	Fase	P h:m:s	Dur	Co	Amp	Per		e Sn	15:35:51.70	HN			
MVO	i Pg	c 03:57:20.76		HZ				IAML	15:35:54.32	HZ	0.004	0.7	
	e Sg	03:57:22.47		HE			PFVI	e Pn	15:35:09.70	HZ			
	IAML	03:57:23.05		HZ	0.007	0.1		e Sn	15:35:53.19	HE			
								IAML	15:35:57.55	HZ	0.013	0.6	
19-Mar							MORF	e Pn	15:35:10.04	HZ			
Est	Fase	P h:m:s	Dur	Co	Amp	Per		e Sn	15:35:52.94	HN			
PMAFR	e S	04:58:35.58		HE				IAML	15:35:54.23	HZ	0.005	0.7	
MOE	e S	04:58:53.00		HN			PBAR	e Pn	15:35:12.71	HZ			
PCAS	e S	04:58:54.19		HN				e Sn	15:35:53.79	HE			
PMTG	e S	04:58:55.99		HE				IAML	15:35:58.94	HZ	0.003	1.0	
MESJ	e S	04:58:56.09		HN			MESJ	e Pn	15:35:13.09	HZ			
PARRA	e S	04:58:59.01		HN				e Sn	15:35:57.95	HE			
EVO	e S	04:58:59.44		HN				IAML	15:36:01.35	HZ	0.003	0.2	
PSARD	e S	04:59:00.67		HN			EVO	e Pn	15:35:20.24	HZ			
PVAQ	e S	04:59:06.81		H1				e Sn	15:36:09.92	HE			
PVIS	e S	04:59:08.07		HN				IAML	15:36:20.43	HZ	0.007	0.1	
PESTR	e S	04:59:08.28		HN			MOE	e Pn	15:35:22.59	HZ			
PGAV	e S	04:59:09.00		HN				e Sn	15:36:13.01	HN			
PMRV	e S	04:59:12.53		HN				IAML	15:36:17.03	HZ	0.006	0.4	
POLO	e S	04:59:13.83		HE			PESTR	e Pn	15:35:23.54	HZ			
MTE	e S	04:59:13.96		HN				e Sn	15:36:14.01	HE			
PBAR	e S	04:59:18.67		HN				IAML	15:36:30.96	HZ	0.003	0.5	
19-Mar Ho 09:27:15.1 ML 2.3							PARRA	e Pn	15:35:23.78	HZ			
								e Sn	15:36:16.43	HE			
								IAML	15:36:21.72	HZ	0.002	0.2	
							PMTG	e Pn	15:35:27.60	HZ			
								e Sn	15:36:23.81	HN			
								IAML	15:36:26.20	HZ	0.002	0.8	
Est	Fase	P h:m:s	Dur	Co	Amp	Per	PMRV	e Pn	15:35:30.03	HZ			
MORF	e P	09:28:05.83		HZ				e Sn	15:36:25.97	HE			
								IAML	15:36:40.58	HZ	0.002	0.8	
PTEO	e S	09:28:47.69		HE			PSARD	e Pn	15:35:34.41	HZ			
								e Sn	15:36:34.58	HE			
PBDV	e P	09:28:11.85		HZ	0.004	0.9		IAML	15:36:37.33	HZ	0.003	0.5	
	e S	09:28:54.66		HE			MVO	e Pn	15:35:52.03	HZ			
							POLO	e Pn	15:35:56.49	HZ			
	IAML	09:29:04.26		HZ	0.004	0.9	19-Mar						
PCVE	e P	09:28:14.38		HZ			Est	Fase	P h:m:s	Dur	Co	Amp	Per
	e S	09:28:58.68		HE			PBDV	e Pn	16:22:26.19		HZ		
MESJ	e P	09:28:14.98		HZ			PVAQ	e Pn	16:22:26.92		HZ		
	e S	09:28:59.10		HN				e Sn	16:23:27.59		H2		
PVAQ	e P	09:28:15.09		HZ									
	e S	09:29:00.29		H2				IAML	16:23:29.60		HZ	0.004	0.8
							PBAR	e Pn	16:22:36.61		HZ		
								e Sn	16:23:39.91		HN		
								IAML	16:23:53.62		HZ	0.002	0.7
19-Mar Ho 17:35:13.3 ML 2.5							19-Mar						
							Est	Fase	P h:m:s	Dur	Co	Amp	Per
							PBDV	e Pn	17:36:28.47		HZ		
								e Sn	17:37:25.69		HE		
							PVAQ	e Pn	17:36:29.43		HZ		
								e Sn	17:37:27.81		H1		
								IAML	17:37:31.83		HZ	0.002	0.2
							PFVI	e Pn	17:36:31.82		HZ		
								e Sn	17:37:30.80		HE		
								IAML	17:37:34.12		HZ	0.012	0.7
							MORF	e Pn	17:36:33.20		HZ		
								e Sn	17:37:33.64		HN		
								IAML	17:37:41.63		HZ	0.004	1.0
							PCVE	e Pn	17:36:34.28		HZ		
								e Sn	17:37:35.21		HN		
								IAML	17:37:37.12		HZ	0.003	0.6
							PTEO	e Sn	17:37:38.96		HE		
							MESJ	e Pn	17:36:37.55		HZ		
								e Sn	17:37:41.00		HN		
								IAML	17:37:50.41		HZ	0.002	0.9
							PBAR	e Pn	17:36:37.90		HZ		
								e Sn	17:37:41.27		HE		
								IAML	17:37:45.69		HZ	0.002	0.4
19-Mar Ho 15:34:15.1 ML 2.2							19-Mar						
							Est	Fase	P h:m:s	Dur	Co	Amp	Per
							PBDV	e Pn	15:35:04.65		HZ		
							PVAQ	e Pn	c 15:35:05.12		HZ		
								e Sn	15:35:43.56		H1		
								IAML	15:35:44.35		HZ	0.006	0.3
19-Mar Ho 09:27:15.1 ML 2.3							19-Mar						
							Est	Fase	P h:m:s	Dur	Co	Amp	Per
							PBDV	e Pn	15:35:04.65		HZ		
							PVAQ	e Pn	c 15:35:05.12		HZ		
								e Sn	15:35:43.56		H1		
								IAML	15:35:44.35		HZ	0.006	0.3

Boletim Sismológico Preliminar do Continente e Madeira  
Março 2020

MOE	e Pn	17:36:47.17	HZ					MESJ	e P	01:45:09.05	BZ				
	e Sn	17:37:57.73	HE						IAmb	01:45:14.46	BZ	0.108	2.0		
	IAML	17:38:06.04	HZ	0.004	0.7			PBDV	e P	01:45:10.55	BZ				
PESTR	e Pn	17:36:48.96	HZ						IAmb	01:45:13.99	BZ	0.196	1.8		
	e Sn	17:38:00.66	HE					PMAFR	e P	01:45:08.46	BZ				
	IAML	17:38:03.05	HZ	0.004	0.8				IAmb	01:45:14.86	BZ	0.216	1.8		
PARRA	e Pn	17:36:49.61	HZ					GGNV	e P	01:45:10.56	BZ				
	e Sn	17:38:01.58	HN						IAmb	01:45:13.92	BZ	0.188	2.3		
PMTG	e Pn	17:36:53.16	HZ					PTEO	e P	01:45:12.64	BZ				
	e Sn	17:38:10.13	HE					PFVI	e P	01:45:14.34	BZ				
PMRV	e Pn	17:36:55.89	HZ					PMAR	e P	01:45:54.05	BZ				
	e Sn	17:38:12.85	HE						IAmb	01:46:00.07	BZ	0.316	1.5		
MVO	e Pn	17:37:18.62	HZ												
<b>20-Mar Ho 01:33:15.4 Distante (NEIC) Mw 5.7</b>								<b>20-Mar Ho 03:03:13.8 Distante (NEIC) Mw 5.5</b>							
<b>Lat 28.607°N Lon 87.330°E Prof 10</b>								<b>Lat 46.056°N Lon 93.959°E Prof 10</b>							
<b>Região: Xizang</b>								<b>Região: Mongolia</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>	<i>Amp</i>	<i>Per</i>	
PBRG	e P	01:44:52.70		BZ				PBRG	e P	03:14:11.28		BZ			
	IAmb	01:44:57.52		BZ	0.077	2.0			IAmb	03:14:12.12		BZ	0.105	1.0	
MVO	e P	01:44:55.52		BZ				MVO	e P	03:14:14.87		BZ			
	IAmb	01:45:00.47		BZ	0.081	1.5			IAmb	03:14:16.44		BZ	0.163	1.2	
	e S	01:54:35.66		LE					e LQ	03:39:24.52		LE			
	e LR	02:10:55.37		LZ					e LR	03:40:31.84		LZ			
	IAMs_20	02:21:46.95		LZ	0.997	20			IAMs_20	03:47:35.89		LZ	2.181	16	
PVRL	e P	01:44:58.61		SZ				PGAV	e P	03:14:16.34		BZ			
	IAmb	01:45:02.68		SZ	0.051	1.7			IAmb	03:14:17.65		BZ	0.180	1.4	
POLO	e P	01:44:58.99		BZ					e S	03:23:24.25		LE			
	IAmb	01:45:01.96		BZ	0.026	1.8			e LQ	03:39:11.05		LE			
PCAB	e P	01:44:58.97		SZ					e LR	03:41:40.01		LZ			
	IAmb	01:45:04.01		SZ	0.108	1.9			IAMs_20	03:46:26.87		LZ	1.498	22	
PGAV	e P	01:45:00.24		BZ				PCAB	e P	03:14:16.25		SZ			
	IAmb	01:45:03.54		BZ	0.076	1.7			IAmb	03:14:17.74		SZ	0.270	1.1	
	e S	01:54:41.35		LE				POLO	e P	03:14:16.77		BZ			
	e LR	02:11:30.51		LZ					IAmb	03:14:19.12		BZ	0.055	1.7	
	IAMs_20	02:22:16.65		LZ	1.072	20		PVRL	e P	03:14:16.76		SZ			
MTE	e P	01:45:00.24		BZ					IAmb	03:14:19.06		SZ	0.087	1.7	
	IAmb	01:45:04.69		BZ	0.117	1.7		PVIS	e P	03:14:20.14		BZ			
	e S	01:54:44.39		LE				MTE	e P	03:14:20.51		BZ			
	e LR	02:11:52.48		LZ					IAmb	03:14:21.74		BZ	0.145	1.2	
	IAMs_20	02:23:00.54		LZ	1.117	20			e LQ	03:40:55.38		LE			
PVIS	e P	01:44:59.92		BZ					e LR	03:42:34.41		LZ			
PCBR	e P	01:45:01.88		SZ					IAMs_20	03:50:50.62		LZ	1.444	18	
	IAmb	01:45:05.40		SZ	0.058	1.6		PCBR	e P	03:14:23.15		SZ			
PMRV	e P	01:45:01.10		BZ					IAmb	03:14:24.59		SZ	0.100	1.5	
	IAmb	01:45:31.12		BZ	0.043	1.8		PMRV	e P	03:14:23.61		BZ			
	e S	01:54:46.33		LE					IAmb	03:14:24.99		BZ	0.152	1.4	
	e LR	02:15:14.06		LZ					e S	03:23:40.30		LE			
	IAMs_20	02:22:24.67		LZ	0.816	18			e LQ	03:40:21.25		LN			
PBAR	e P	01:45:02.86		BZ					e LR	03:41:51.23		LZ			
	IAmb	01:45:07.84		BZ	0.141	1.8			IAMs_20	03:48:01.99		LZ	2.553	18	
PESTR	e P	01:45:02.40		BZ				PCAS	e P	03:14:25.17		BZ			
	IAmb	01:45:08.04		BZ	0.052	1.8			IAmb	03:14:26.49		BZ	0.214	1.2	
PSARD	e P	01:45:04.09		BZ				PSARD	e P	03:14:25.51		BZ			
	IAmb	01:45:08.93		BZ	0.159	1.8			IAmb	03:14:29.72		BZ	0.120	1.5	
PCAS	e P	01:45:04.39		BZ				PESTR	e P	03:14:26.74		BZ			
	IAmb	01:45:09.00		BZ	0.084	1.7			IAmb	03:14:27.94		BZ	0.212	1.2	
PARRA	e P	01:45:06.63		BZ				PBAR	e P	03:14:27.76		BZ			
	IAmb	01:45:09.00		BZ	0.064	1.8			IAmb	03:14:29.76		BZ	0.137	1.6	
PMTG	e P	01:45:05.52		BZ				PMTG	e P	03:14:28.12		BZ			
	IAmb	01:45:09.99		BZ	0.067	1.8			IAmb	03:14:31.12		BZ	0.152	1.8	
EVO	e P	01:45:07.14		BZ				PSBE	e P	03:14:28.34		BZ			
	IAmb	01:45:10.85		BZ	0.119	1.8			IAmb	03:14:32.60		BZ	0.161	1.6	
PBEJ	e P	01:45:09.02		SZ				PARRA	e P	03:14:28.36		BZ			
	IAmb	01:45:52.21		SZ	0.053	1.8			IAmb	03:14:29.65		BZ	0.120	1.5	
PSBE	e P	01:45:05.73		BZ				EVO	e P	03:14:29.55		BZ			
	IAmb	01:45:11.92		BZ	0.168	1.5			IAmb	03:14:31.04		BZ	0.179	1.3	
MOE	e P	01:45:07.75		BZ				MOE	e P	03:14:31.05		BZ			
	IAmb	01:45:12.41		BZ	0.113	1.9			IAmb	03:14:34.08		BZ	0.242	1.6	
PVAQ	e P	01:45:07.55		BZ				PBEJ	e P	03:14:31.35		SZ			
	IAmb	01:45:23.17		BZ	0.112	1.6			IAmb	03:14:33.43		SZ	0.169	1.9	
	e S	01:54:58.12		LZ				PMAFR	e P	03:14:32.16		BZ			
	e LR	02:12:50.91		LZ					IAmb	03:14:33.52		BZ	0.277	1.3	
	IAMs_20	02:22:15.34		LZ	0.732	22		GGNV	e P	03:14:33.13		BZ			
PCVE	e P	01:45:09.42		BZ					IAmb	03:14:36.99		BZ	0.309	1.6	
								MESJ	e P	03:14:33.52		BZ			
									IAmb	03:14:34.89		BZ	0.173	1.2	

[illegible]







PFVI	e S	00:26:33.92		HE			
PCVE	e P	00:26:20.00		HZ			
	e S	00:26:34.39		HE			
	IAML	00:26:35.26		HZ	0.003	0.7	
PTEO	e P	00:26:22.70		HZ			
	e S	00:26:38.88		HN			
MESJ	e P	00:26:23.25		HZ			
	e S	00:26:40.50		HN			
PBAR	e P	00:26:27.31		HZ			
	e S	00:26:46.77		HN			
PARRA	e P	00:26:35.81		HZ			
	e S	00:27:01.98		HE			
PESTR	e P	00:26:35.87		HZ			
PMTG	e P	00:26:39.76		HZ			
	e S	00:27:09.17		HE			
PMAFR	e P	00:26:42.98		HZ			
PMRV	e P	00:26:43.63		HZ			
PSARD	e P	00:26:46.75		HZ			
PCBR	e P	00:26:49.41		EZ			
21-Mar	Ho	00:49:51.4	Distante (NEIC)	Mw	5.7		
	Lat	39.374°N	Lon	20.633°E	Prof	10	
	Região: Greece-Albania Border Region						
Est	Fase	P h:m:s	Dur	Co	Amp	Per	
PBRG	e P	00:54:34.18		BZ			
	IAMB	00:54:39.24		BZ	0.425	1.7	
	e S	00:58:33.01		BN			
MVO	e P	00:54:37.05		BZ			
	IAMB	00:54:45.90		BZ	0.289	1.7	
	e S	00:58:36.99		BN			
	IAMS_20	01:03:57.08		LZ	7.247	16	
PBAR	e P	00:54:40.33		BZ			
	IAMB	00:54:52.82		BZ	0.731	1.5	
	e S	00:58:37.84		BE			
MTE	e P	00:54:40.71		BZ			
	IAMB	00:54:49.30		BZ	0.332	1.4	
	e S	00:58:38.41		BE			
	IAMS_20	00:59:30.01		LZ	6.119	18	
PMRV	e P	00:54:41.42		BZ			
	IAMB	00:54:49.60		BZ	0.476	1.5	
	e S	00:58:38.69		BN			
	IAMS_20	01:07:58.19		LZ	7.237	16	
PCBR	e P	00:54:40.64		SZ			
	IAMB	00:55:08.02		SZ	0.285	1.8	
	e S	00:58:42.10		SN			
PVRL	e P	00:54:43.30		SZ			
	IAMB	00:54:56.14		SZ	0.171	1.1	
POLO	e P	00:54:42.80		BZ			
	IAMB	00:54:50.50		BZ	0.117	1.8	
	e S	00:58:45.79		BE			
PVIS	e P	00:54:44.32		BZ			
	e S	00:58:46.93		BE			
PCAB	e P	00:54:45.04		SZ			
	IAMB	00:55:00.12		SZ	0.339	1.4	
	e S	00:58:49.49		SN			
PESTR	e P	00:54:43.72		BZ			
	IAML	00:54:57.51		BZ	0.045	0.8	
	e S	00:58:43.81		BE			
PGAV	e P	00:54:46.73		BZ			
	IAMB	00:54:58.36		BZ	0.369	1.6	
	e S	00:58:47.78		BN			
	IAMS_20	01:06:55.66		LZ	5.351	16	
PSARD	e P	00:54:48.17		BZ			
	IAMB	00:54:55.89		BZ	0.481	1.9	
	e S	00:58:49.49		BN			
PARRA	e P	00:54:46.94		BZ			
	IAMB	00:55:11.14		BZ	0.421	1.7	
	e S	00:58:49.49		BN			
PBEJ	e P	00:54:47.76		SZ			
	IAMB	00:54:59.35		SZ	0.419	1.6	
	e S	00:58:54.03		SE			
EVO	e P	00:54:47.56		BZ			



<b>21-Mar Ho 21:36:42.5 ML 1.0</b>									
<b>Lat 36.288°N Lon 07.891°W Prof 18</b>									
<b>Região: Golfo de Cádiz Rms 0.5</b>									
<b>AxMax 11.7 AxMin 7.2 Ang 112 ErrZ 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>			
PBDV	e P	21:36:59.40		HZ					
	e S	21:37:13.03		HE					
PVAQ	e P	21:37:01.84		HZ					
	e S	21:37:15.70		H2					
PFVI	e P	21:37:02.01		HZ					
	e S	21:37:17.22		HE					
MORF	e P	21:37:01.91		HZ					
PCVE	e P	21:37:05.11		HZ					
	e S	21:37:21.20		HN					
MESJ	e S	21:37:26.90		HN					
PBAR	e S	21:37:37.87		HN					
PARRA	e P	21:37:20.80		HZ					
	e S	21:37:49.42		HE					
PESTR	e S	21:37:51.35		HE					
PMTG	e P	21:37:25.10		HZ					
	e S	21:37:56.43		HE					
PMRV	e P	21:37:30.17		HZ					
<b>21-Mar Ho 23:51:06.9 ML 1.5</b>									
<b>Lat 35.405°N Lon 09.665°W Prof 31</b>									
<b>Região: Mar de Marrocos Rms 0.4</b>									
<b>AxMax 12.6 AxMin 5.1 Ang 73 ErrZ 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>			
PFVI	e P	23:51:34.88		HZ					
	e S	23:51:55.30		HN					
MORF	e P	23:51:37.75		HZ					
	e S	23:52:00.44		HE					
	IAML	23:52:01.16		HZ	0.004	0.1			
PTEO	e P	23:51:40.92		HZ					
	e S	23:52:05.66		HN					
PBDV	e P	23:51:41.16		HZ					
	e S	23:52:06.65		HE					
PVAQ	e P	23:51:44.15		HZ					
	e S	23:52:11.96		H2					
	IAML	23:52:13.13		HZ	0.001	0.1			
PCVE	e S	23:52:13.43		HN					
MESJ	e P	23:51:47.00		HZ					
	e S	23:52:16.28		HE					
	IAML	23:52:17.89		HZ	0.003	0.8			
PBEJ	e S	23:52:23.32		EN					
MOE	e S	23:52:31.17		HE					
EVO	e S	23:52:32.38		HE					
	IAML	23:52:33.34		HZ	0.002	0.1			
PBAR	e S	23:52:35.52		HN					
PMAFR	e S	23:52:36.97		HN					
PARRA	e P	23:51:59.73		HZ					
	e S	23:52:38.85		HN					
PESTR	e S	23:52:44.27		HN					
PMTG	e P	23:52:02.05		HZ					
	e S	23:52:42.84		HE					
	IAML	23:52:44.53		HZ	0.001	0.1			
PSARD	e S	23:52:55.99		HN					
	IAML	23:52:58.49		HZ	0.002	0.3			
PMRV	e P	23:52:09.79		HZ					
	e S	23:52:56.55		HN					
<b>22-Mar Ho 00:06:29.5 ML 0.5</b>									
<b>Lat 39.548°N Lon 08.894°W Prof 11</b>									
<b>Região: E Alcobaça Rms 0.3</b>									
<b>AxMax 4.2 AxMin 2.8 Ang 114 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>			
PSBE	e Pg	00:06:31.43		HZ					
	e Sg	00:06:33.93		HE					
	IAML	00:06:34.72		HZ	0.005	0.4			
PSARD	e Pg	00:06:40.34		HZ					
	e Sg	00:06:48.02		HE					
	IAML	00:06:49.28		HZ	0.002	0.1			
PCAS	e Pg	00:06:40.28		HZ					
	e Sg	00:06:48.39		HN					
	IAML	00:06:50.67		HZ	0.001	0.1			
<b>21-Mar Ho 02:04:12.1 ML 0.9</b>									
<b>Lat 38.248°N Lon 09.276°W Prof 11</b>									
<b>Região: SW Sesimbra Rms 0.2</b>									
<b>AxMax 5.6 AxMin 2.7 Ang 93 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>			
PMAFR	e P	02:04:25.33		HZ					
	e Sg	02:04:34.36		HE					
	IAML	02:04:35.15		HZ	0.005	0.1			
MOE	e P	02:04:26.30		HZ					
	e S	02:04:36.89		HN					
PTEO	e P	02:04:27.13		HZ					
	e S	02:04:37.96		HE					
	IAML	02:04:44.06		HZ	0.005	0.6			
PARRA	e P	02:04:30.66		HZ					
	e S	02:04:47.22		HN					
	IAML	02:04:47.37		HZ	0.001	0.1			
PMTG	e P	02:04:32.47		HZ					
	e S	02:04:48.21		HN					
PESTR	e S	02:04:54.00		HN					
PVAQ	e S	02:04:56.29		H2					
PBAR	e S	02:04:59.65		HE					
PMRV	e P	02:04:41.14		HZ					
	e S	02:05:03.73		HE					
<b>22-Mar Ho 04:12:54.9 ML 1.3</b>									
<b>Lat 38.613°N Lon 06.996°W Prof 2*</b>									
<b>Região: SE Olivença Rms 0.4</b>									
<b>AxMax 2.5 AxMin 1.7 Ang 64 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>			
PBAR	e Pg	04:13:03.04		HZ					
	e Sg	04:13:08.59		HN					
	IAML	04:13:08.87		HZ	0.010	0.1			
PESTR	e Pg	04:13:04.63		HZ					
	e Sg	04:13:11.65		HE					
	IAML	04:13:12.25		HZ	0.003	0.2			
EVO	e P	04:13:10.07		HZ					
	e S	04:13:20.22		HN					
	IAML	04:13:21.55		HZ	0.006	0.1			
PARRA	e P	04:13:10.62		HZ					
	e S	04:13:21.68		HE					
	IAML	04:13:23.45		HZ	0.003	0.3			
PMRV	e P	04:13:11.19		HZ					
	e S	04:13:23.13		HN					
	IAML	04:13:25.62		HZ	0.010	0.3			
PBEJ	e S	04:13:23.06		EE					
PMTG	e P	04:13:15.00		HZ					
	e S	04:13:28.32		HN					
	IAML	04:13:29.24		HZ	0.003	0.3			
MOE	e P	04:13:15.38		HZ					
	e S	04:13:28.84		HN					
	IAML	04:13:29.50		HZ	0.004	0.3			
MESJ	e P	04:13:19.76		HZ					
	e S	04:13:34.08		HN					
	IAML	04:13:35.85		HZ	0.003	0.4			
PCBR	e S	04:13:35.03		EE					
PCVE	e P	04:13:19.14		HZ					
	e S	04:13:36.64		HE					
	IAML	04:13:38.84		HZ	0.003	0.3			
PVAQ	e P	04:13:20.24		HZ					
	e S	04:13:37.47		H2					
	IAML	04:13:40.75		HZ	0.003	0.6			



MOE	e P	06:05:48.20	BZ							EVO	e P	09:21:37.95	HZ						
	I Amb	06:05:53.59	BZ	0.056	1.5						e S	09:22:19.61	HN						
PVAQ	e P	06:05:50.01	BZ								IAML	09:22:23.23	HZ	0.010	0.1				
	I Amb	06:05:56.58	BZ	0.074	1.6					PARRA	e P	09:21:38.99	HZ						
MESJ	e P	06:05:55.41	BZ								e S	09:22:22.32	HE						
											IAML	09:22:26.45	HZ	0.004	0.1				
<b>22-Mar Ho 06:48:43.5 Distante (NEIC) Mw 5.0</b>																			
		<b>Lat 10.988°S</b>	<b>Lon 115.200°E</b>	<b>Prof 10</b>						PSBE	e P	09:21:40.31	HZ						
		<b>Região: South of Bali, Indonesia</b>									e S	09:22:24.47	HE						
											IAML	09:22:25.57	HZ	0.007	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>				PMTG	e P	09:21:39.44	HZ						
POLO	e PKPdf	07:07:39.85		BZ							e S	09:22:23.25	HE						
MTE	e PKPdf	07:07:39.56		BZ							IAML	09:22:28.24	HZ	0.004	0.1				
PCBR	e PKPdf	07:07:40.07		SZ						PESTR	e P	09:21:44.24	HZ						
PGAV	e PKPdf	07:07:40.01		BZ							e S	09:22:30.40	HN						
PVIS	e PKPdf	07:07:40.14		BZ							IAML	09:22:37.17	HZ	0.002	0.5				
PSARD	e PKPdf	07:07:39.83		BZ						PBAR	e P	09:21:45.48	HZ						
PCAS	e PKPdf	07:07:41.43		BZ							e S	09:22:32.22	HN						
PVAQ	e PKPdf	07:07:41.12		BZ							IAML	09:22:37.71	HZ	0.002	0.4				
PBDV	e PKPdf	07:07:40.84		BZ						PSARD	e P	09:21:44.67	HZ						
MORF	e PKPdf	07:07:43.49		BZ							e S	09:22:32.84	HE						
											IAML	09:22:36.12	HZ	0.018	0.2				
<b>22-Mar Ho 07:36:41.9 ML 0.4</b>																			
		<b>Lat 37.316°N</b>	<b>Lon 08.600°W</b>	<b>Prof 12</b>						PCAS	e P	09:21:47.50	HZ						
		<b>Região: W Monchique</b>		<b>Rms 0.3</b>							e S	09:22:36.55	HE						
		<b>AxMax 3.6 AxMin 2.9 Ang 132 ErrZ 6</b>									IAML	09:22:54.39	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>				PMRV	e P	09:21:49.43	HZ						
MORF	e Pg	07:36:43.89		HZ							e S	09:22:40.32	HN						
	e Sg	07:36:45.94		HE							IAML	09:22:43.41	HZ	0.005	0.4				
	IAML	07:36:46.04		HZ	0.009	0.2				PCBR	e P	09:21:52.80	EZ						
PTEO	e Pg	07:36:47.33		HZ							e S	09:22:46.05	EE						
	e Sg	07:36:50.50		HE							IAML	09:22:51.71	EZ	0.002	0.3				
PFVI	e Pg	07:36:47.07		HZ						MTE	e S	09:22:54.88	HN						
	e Sg	07:36:50.43		HE							IAML	09:22:59.89	HZ	0.005	0.3				
	IAML	07:36:51.61		HZ	0.004	0.1				PVIS	e P	09:21:58.18	HZ						
PBDV	e Pg	07:36:52.01		HZ							e S	09:22:55.37	HN						
	e Sg	07:36:59.65		HE						PVRL	e S	09:23:08.00	SN						
PCVE	e Sg	07:36:58.96		HN							IAML	09:23:09.81	SZ	0.004	0.1				
MESJ	e Pg	07:36:53.27		HZ						POLO	e P	09:22:04.97	HZ						
	e Sg	07:37:00.58		HN							e S	09:23:08.27	HE						
PVAQ	e S	07:37:04.48		H2							IAML	09:23:11.07	HZ	0.002	0.4				
<b>22-Mar Ho 09:20:41.9 ML 2.4</b>																			
		<b>Lat 36.494°N</b>	<b>Lon 12.142°W</b>	<b>Prof 26*</b>						PCAB	e S	09:23:13.15	EN						
		<b>Região: Gorringe</b>		<b>Rms 0.4</b>						MVO	e P	09:22:09.12	HZ						
		<b>AxMax 6.0 AxMin 4.3 Ang 85 ErrZ 0</b>									e S	09:23:13.40	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	09:23:16.54	HZ	0.005	0.4				
PFVI	e P	09:21:21.59		HZ						PGAV	e P	09:22:11.25	HZ						
	e S	09:21:52.08		HN							e S	09:23:15.63	HE						
	IAML	09:21:54.26		HZ	0.009	0.5					IAML	09:23:18.98	HZ	0.003	0.2				
MORF	e P	09:21:24.46		HZ						PBRG	e S	09:23:28.33	HN						
	e S	09:21:57.80		HE							IAML	09:23:32.33	HZ	0.002	0.2				
	IAML	09:21:59.08		HZ	0.007	0.1				<b>22-Mar Ho 11:54:25.4 ML 1.5</b>									
PTEO	e P	09:21:25.05		HZ							<b>Lat 36.671°N</b>	<b>Lon 09.679°W</b>	<b>Prof 21</b>						
	e S	09:21:57.38		HE							<b>Região: SW Cabo S.Vicente</b>		<b>Rms 0.3</b>						
	IAML	09:22:01.51		HZ	0.007	0.9					<b>AxMax 4.1 AxMin 3.3 Ang 45 ErrZ 3</b>								
PMAFR	e P	09:21:30.77		HZ						<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	09:22:07.46		HE						PFVI	e P	d 11:54:40.34		HZ					
	IAML	09:22:09.98		HZ	0.040	0.2					e S	11:54:51.68		HE					
MESJ	e P	09:21:32.42		HZ							IAML	11:54:52.88		HZ	0.009	0.2			
	e S	09:22:08.90		HN						MORF	e P	d 11:54:43.32		HZ					
	IAML	09:22:13.46		HZ	0.004	0.6					e S	11:54:56.84		HN					
PBDV	e P	09:21:32.07		HZ							IAML	11:54:59.07		HZ	0.008	0.1			
	e S	09:22:10.14		HE						PTEO	e P	11:54:44.94		HZ					
	IAML	09:22:14.60		HZ	0.005	0.6					e S	11:54:59.67		HE					
PCVE	e P	09:21:32.24		HZ							IAML	11:55:01.31		HZ	0.005	0.3			
	e S	09:22:10.35		HN						PBDV	e P	11:54:49.96		HZ					
	IAML	09:22:16.03		HZ	0.004	0.3					e S	11:55:08.06		HN					
MOE	e P	09:21:34.29		HZ							IAML	11:55:10.50		HZ	0.003	0.7			
	e S	09:22:13.57		HE						PCVE	e P	11:54:51.62		HZ					
	IAML	09:22:17.22		HZ	0.009	0.3					e S	11:55:11.11		HN					
PVAQ	e P	09:21:34.67		HZ							IAML	11:55:13.28		HZ	0.004	0.2			
	e S	09:22:15.03		H2						MESJ	e P	11:54:51.64		HZ					
	IAML	09:22:16.78		HZ	0.005	0.3					e S	11:55:11.37		HN					
PBEJ	e P	09:21:36.68		EZ							IAML	11:55:14.32		HZ	0.003	0.6			
	e S	09:22:16.74		EN						PVAQ	e P	11:54:52.89		HZ					
	IAML	09:22:26.22		EZ	0.002	0.4					e S	11:55:13.30		H1					
											IAML	11:55:14.78		HZ	0.005	0.1			

[illegible]







24-Mar	Ho	22:18:36.4				ML 1.1		
	Lat	36.502°N			Lon	08.466°W		
	Região: SW Albufeira					Rms 0.3		
	AxMax	6.0	AxMin	4.9	Ang	21		
						ErrZ 4		
	Est	Fase	P	h:m:s	Dur	Co	Amp	Per
PFVI	e P		22:18:48.71		HZ			
	e S		22:18:58.28		HE			
MORF	IAML		22:19:00.01		HZ	0.004	0.1	
	e P		22:18:51.18		HZ			
	e S		22:19:02.38		HE			
	IAML		22:19:03.10		HZ	0.004	0.2	
PBDV	e P		22:18:51.93		HZ			
	e S		22:19:03.59		HN			
	IAML		22:19:03.83		HZ	0.002	0.4	
	e P		22:18:55.54		HZ			
PTEO	e S		22:19:09.43		HN			
	e P		22:18:55.57		HZ			
PVAQ	e S		22:19:09.15		H2			
	IAML		22:19:09.98		HZ	0.003	0.6	
PCVE	e S		22:19:12.14		HE			
PARRA	e P		22:19:12.17		HZ			
25-Mar	Ho	02:28:48.7				ML 0.9		
	Lat	37.321°N			Lon	08.560°W		
	Região: N Monchique					Prof 12		
	AxMax	3.2	AxMin	2.7	Ang	126		
						ErrZ 10		
	Est	Fase	P	h:m:s	Dur	Co	Amp	Per
MORF	e Pg	d	02:28:50.95		HZ			
	e Sg		02:28:52.91		HN			
	IAML		02:28:53.19		HZ	0.049	0.1	
	e Pg		02:28:53.77		HZ			
PTEO	e Sg		02:28:57.35		HN			
	e Pg		02:28:54.30		HZ			
PFVI	e Sg		02:28:58.22		HN			
	IAML		02:28:59.62		HZ	0.005	0.4	
PBDV	e Pg		02:28:58.45		HZ			
	e Sg		02:29:04.99		HE			
	IAML		02:29:06.92		HZ	0.002	0.2	
	e Pg		02:28:58.47		HZ			
PCVE	e Sg		02:29:04.74		HE			
	IAML		02:29:09.24		HZ	0.002	0.1	
MESJ	e Pg		02:28:59.81		HZ			
	e Sg		02:29:07.13		HN			
	IAML		02:29:10.73		HZ	0.002	0.9	
	e Pg		02:29:01.24		HZ			
PVAQ	e Sg		02:29:09.64		H2			
	IAML		02:29:12.56		HZ	0.003	0.4	
PBEJ	e Sg		02:29:16.69		EE			
	e Sg		02:29:27.25		HE			
EVO	e Sg		02:29:28.49		HE			
	IAML		02:29:29.82		HZ	0.002	0.3	
	e Sg		02:29:34.57		HN			
PBAR	IAML		02:29:36.33		HZ	0.001	0.5	
	e Sg		02:29:36.91		HN			
PARRA	IAML		02:29:40.01		HZ	0.001	0.9	
	e Sg		02:29:43.58		HN			
25-Mar	Ho	02:49:21.3				Mw 7.5		
	Lat	48.990°N			Lon	157.690°E		
	Região: East of Kuril Islands					Prof 57		
	Est	Fase	P	h:m:s	Dur	Co	Amp	Per
	PBRG	e P	c	03:02:06.84		BZ		
		IAMB		03:02:35.47		BZ	1.398	1.7
	e PP		03:05:37.66		BZ			
	e P	c	03:02:07.15		BZ			
PGAV	IAMB		03:02:36.66		BZ	1.550	1.9	
	e S		03:12:52.58		LE			
	e SS		03:18:48.55		LN			
	e LQ		03:27:34.19		LE			
	e LR		03:32:11.74		LZ			
	IAMS_20		03:43:16.03		LZ	166.0	20	
PCAB	e P	c	03:02:07.91		SZ			
	IAMB		03:02:38.56		SZ	1.654	1.6	
	e PP		03:05:45.08		SZ			
POLO	e P	c	03:02:09.45		BZ			
	IAMB		03:02:38.26		BZ	0.925	1.6	
	e PP		03:06:01.53		BZ			
PVRL	e P	c	03:02:09.99		SZ			
	IAMB		03:02:38.50		SZ	1.966	1.5	
	e PP		03:05:45.89		SZ			
MVO	e P	c	03:02:09.99		BZ			
	IAMB		03:02:38.69		BZ	1.695	1.6	
	e PP		03:05:53.70		BZ			
	e S		03:12:51.75		LN			
	e SS		03:19:00.95		LN			
	e LQ		03:27:43.09		LE			
	e LR		03:31:25.21		LZ			
	IAMS_20		03:42:39.65		LZ	124.0	22	
PVIS	e P	c	03:02:12.59		BZ			
	e PP		03:05:47.24		BZ			
MTE	e P	c	03:02:13.96		BZ			
	IAMB		03:02:42.61		BZ	1.274	2.0	
	e PP		03:06:03.27		BZ			
	e S		03:12:55.54		LN			
	e SS		03:19:08.68		LN			
	e LQ		03:27:27.10		LE			
	e LR		03:32:53.18		LZ			
	IAMS_20		03:52:06.83		LZ	122.0	20	
PCAS	e P	c	03:02:15.77		BZ			
	IAMB		03:02:44.28		BZ	1.357	1.4	
	e PP		03:06:03.30		BZ			
PCBR	e P	c	03:02:16.05		SZ			
	IAMB		03:02:44.78		SZ	1.017	1.8	
	e -		03:05:03.58		SZ			
PSARD	e P	c	03:02:17.52		BZ			
	IAMB		03:02:53.55		BZ	0.855	1.6	
	e PP		03:06:06.50		BZ			
PMRV	e P		03:02:17.34		BZ			
	IAMB		03:02:46.68		BZ	0.993	1.7	
	e S		03:13:02.15		LN			
	e SS		03:19:20.77		LN			
	e LQ		03:27:45.19		LE			
	e LR		03:32:14.16		LZ			
	IAMS_20		03:51:43.49		LZ	138.0	20	
PSBE	e P	c	03:02:18.50		BZ			
	IAMB		03:02:55.32		BZ	0.995	2.1	
	e PP		03:06:09.26		BZ			
PMTG	e P	c	03:02:19.82		BZ			
	IAMB		03:02:47.81		BZ	0.757	1.6	
PESTR	e P	c	03:02:20.60		BZ			
	IAMB		03:02:49.15		BZ	0.991	1.5	
	e PP		03:06:15.06		BZ			
PARRA	e P	c	03:02:20.88		BZ			
	IAMB		03:02:49.56		BZ	1.096	1.7	
	e PP		03:06:22.34		BZ			
PMAFR	e P	c	03:02:21.17		BZ			
	IAMB		03:02:49.05		BZ	0.972	1.7	
	e PP		03:06:11.42		BZ			
EVO	e P	c	03:02:22.58		BZ			
	IAMB		03:02:51.18		BZ	0.979	1.5	
	e PP		03:06:17.05		BZ			
MOE	e P	c	03:02:22.63		BZ			
	IAMB		03:02:51.25		BZ	0.997	1.5	
	e PP		03:06:25.39		BZ			
PBAR	e P	c	03:02:23.52		BZ			
	IAMB		03:03:00.51		BZ	1.536	1.6	
	e PP		03:06:21.74		BZ			
PBEJ	e P	c	03:02:24.72		SZ			
	IAMB		03:02:53.63		SZ	1.208	1.7	
	e PP		03:06:10.75		SZ			
MESJ	e P	c	03:02:25.76		BZ			
	IAMB		03:02:54.75		BZ	0.938	1.7	
	e PP		03:06:19.31		BZ			
PTEO	e P		03:02:27.47		BZ			
	IAMB		03:02:56.47		BZ	1.149	1.7	
	e PP		03:06:16.48		BZ			



PVAQ	e P	c	03:02:27.72	BZ				MTE	e P		06:23:31.86	HZ		
	IAmb		03:02:56.36	BZ	1.052	1.6			e S		06:23:45.52	HN		
	e PP		03:06:18.91	BZ					IAML		06:23:46.90	HZ	0.007	0.6
	e S		03:13:24.44	L2				PCAS	e S		06:23:47.47	HN		
	e SS		03:19:48.52	L1					IAML		06:23:49.57	HZ	0.004	0.4
	e LQ		03:28:25.15	L2				MVO	e P		06:23:34.05	HZ		
	e LR		03:34:28.98	LZ					e S		06:23:48.32	HE		
	IAMs_20		03:46:01.49	LZ	181.0	20			IAML		06:23:49.79	HZ	0.003	0.4
PBDV	e P	c	03:02:28.70	BZ				PCBR	e Sg		06:23:59.79	EE		
	IAmb		03:03:05.15	BZ	1.284	1.7			IAML		06:24:02.06	EZ	0.002	0.6
	e PP		03:06:18.18	BZ				PSARD	e Sg		06:24:02.04	HE		
MORF	e P	c	03:02:28.57	BZ					IAML		06:24:02.83	HZ	0.004	0.4
	IAmb		03:02:57.57	BZ	1.378	1.6		PBRG	e Sn		06:23:59.29	HE		
	e PP		03:06:27.94	BZ				PMRV	e Pg		06:23:48.29	HZ		
PFVI	e P	c	03:02:29.45	BZ					e Sg		06:24:12.23	HE		
	IAmb		03:03:06.46	BZ	0.990	2.1			IAML		06:24:16.66	HZ	0.001	0.4
	e PP		03:06:18.51	BZ				PMTG	e Sg		06:24:17.78	HE		
PMPST	e P		03:02:50.51	BZ				PARRA	e Sg		06:24:25.27	HE		
	IAmb		03:03:10.77	BZ	0.572	1.4			IAML		06:24:29.24	HZ	0.001	0.8
	e PP		03:06:57.47	BZ										
PMFS	e P		03:02:53.56	EZ				25-Mar	Ho	17:21:45.0	Distante (NEIC)	mb	5.1	
	IAmb		03:02:59.52	EZ	0.495	1.6			Lat	49.230°N	Lon	158.130°E	Prof	36
PMOZ	e P		03:02:52.39	BZ					Região: East of Kuril Islands					
	IAmb		03:03:19.92	BZ	0.553	1.5		Est	Fase	P h:m:s	Dur	Co	Amp	Per
	e PP		03:07:01.54	BZ				PBRG	e P	17:34:34.81		BZ		
	e S		03:13:58.81	LN					IAMB	17:34:37.47		BZ	0.018	1.9
	e SS		03:21:07.77	LN				POLO	e P	17:34:36.94		BZ		
	e LQ		03:30:44.29	LE				PVRL	e P	17:34:37.82		SZ		
	e LR		03:36:35.06	LZ				MVO	e P	17:34:37.47		BZ		
	IAMs_20		03:45:34.71	LZ	77.07	22		PVIS	e P	17:34:40.65		BZ		
PMAR	e P		03:02:52.51	BZ				MTE	e P	17:34:41.40		BZ		
	IAmb		03:03:15.18	BZ	0.887	1.7		PCAS	e P	17:34:43.36		BZ		
	e PP		03:07:09.48	BZ				PMTG	e P	17:34:49.81		BZ		
FUL	e P		03:02:59.27	EZ										
	IAmb		03:03:35.97	EZ	0.580	1.7		25-Mar	Ho	19:56:07.4	Distante (NEIC)	mb	5.0	
	e PP		03:07:12.07	EZ					Lat	55.890°N	Lon	160.250°E	Prof	187
									Região: Kamchatka Peninsula, Russia					
25-Mar	Ho	04:05:53.0				ML 1.2		Est	Fase	P h:m:s	Dur	Co	Amp	Per
	Lat	36.978°N	Lon	05.316°W		Prof 11		PBRG	e P	20:08:06.83		BZ		

[illegible]







[illegible]







Boletim Sismológico Preliminar do Continente e Madeira  
Março 2020

MESJ	e S	12:04:15.82	HE							PMRV	e Pn	13:38:45.77	HZ						
	IAML	12:04:16.49	HZ	0.002	0.2						e Sn	13:39:21.56	HE						
MORF	e P	12:04:06.68	HZ								e Sg	13:39:36.46	HE						
	e S	12:04:17.08	HN								IAML	13:39:42.20	HZ	0.039	0.4				
	IAML	12:04:20.03	HZ	0.004	0.1					PMTG	e Pn	13:38:47.95	HZ						
PBEJ	e S	12:04:17.46	EN								e Pg	13:38:53.36	HZ						
PTEO	e P	12:04:08.43	HZ								e Sg	13:39:42.05	HN						
	e S	12:04:33.66	HE								IAML	13:39:53.26	HZ	0.043	0.4				
	IAML	12:04:22.84	HZ	0.003	0.4					PCBR	e Pn	13:38:51.03	EZ						
PFVI	e P	12:04:09.49	HZ								e Pg	13:38:57.41	EZ						
	e S	12:04:22.11	HN								e Sn	13:39:30.59	EN						
EVO	e Sn	12:04:33.66	HE								e Sg	13:39:49.77	EN						
	IAML	12:04:35.56	HZ	0.001	0.1						IAML	13:39:53.98	EZ	0.030	0.7				
MOE	e Sn	12:04:36.31	HE							PSARD	e Pn	13:38:52.38	HZ						
PARRA	e Sn	12:04:40.84	HE								e Sn	13:39:36.06	HE						
	IAML	12:04:41.77	HZ	0.001	0.2						e Sg	13:39:52.97	HE						
											IAML	13:39:59.62	HZ	0.082	0.3				
<b>28-Mar Ho 13:37:57.0 ML 3.1</b>										PMAFR	e Pn	13:38:56.49	HZ						
<b>Lat 36.737°N Lon 05.115°W Prof 22</b>											e Sn	13:39:39.85	HN						
<b>Região: W Malaga (ESP) Rms 0.5</b>											e Sg	13:40:04.24	HE						
<b>AxMax 2.7 AxMin 2.4 Ang 145 ErrZ 3</b>											IAML	13:40:10.59	HZ	0.046	0.5				
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp</i>	<i>Per</i>				MTE	e Pn	13:38:57.84	HZ						
PBAR	e Pn	13:38:29.11		HZ							e Sn	13:39:43.78	HE						
	Sg	13:39:02.15		HN							e Sg	13:40:06.83	HE						
	IAML	13:39:07.54		HZ	0.080	0.4					IAML	13:40:21.22	HZ	0.052	0.6				
PVAQ	i Pn	d 13:38:30.39		HZ						PCAS	e Pn	13:38:59.96	HZ						
	e Sn	13:38:55.70		H2							e Sn	13:39:47.60	HE						
	IAML	13:39:00.44		HZ	0.025	0.3					e Sg	13:40:10.07	HE						
	e Sg	13:39:07.54		H1							IAML	13:40:16.84	HZ	0.040	0.6				
PBDV	e Pn	d 13:38:32.41		HZ						PVIS	e Pn	13:39:03.29	HZ						
	e Sn	13:39:00.65		HE							e Sn	13:39:51.38	HN						
	e Sg	13:39:13.84		HE							e Sg	13:40:19.44	HE						
	IAML	13:39:27.06		HZ	0.057	0.4				MVO	e Pn	d 13:39:04.97	HZ						
PCVE	e Pn	13:38:34.75		HZ							e Sn	13:39:54.90	HE						
	e Pg	13:38:40.48		HZ							e Sg	13:40:21.41	HN						
	e Sn	13:39:04.26		HN							IAML	13:40:27.98	HZ	0.034	0.6				
	e Sg	13:39:17.57		HE						PVRL	e Pn	13:39:09.24	SZ						
	IAML	13:39:21.25		HZ	0.056	0.4					e Sn	13:40:02.06	SN						
PBEJ	e Pn	13:38:35.29		EZ							e Sg	13:40:34.86	SE						
	e Sg	13:39:17.27		EN							IAML	13:40:36.45	SZ	0.027	0.4				
	IAML	13:39:26.09		EZ	0.042	0.7				POLO	e Pn	13:39:10.55	HZ						
MESJ	e Pn	13:38:37.67		HZ							e Sn	13:40:04.76	HE						
	e Pg	13:38:48.69		HZ							e Sg	13:40:35.82	HE						
	e Sn	13:39:09.65		HN							IAML	13:40:39.78	HZ	0.013	0.6				
	IAML	13:39:26.94		HZ	0.049	0.7				PBRG	e Pn	13:39:12.25	HZ						
MORF	e Pn	13:38:40.53		HZ							e Sn	13:40:07.53	HN						
	e Pg	13:38:50.08		HZ							e Sg	13:40:39.94	HN						
	e Sn	13:39:15.06		HE							IAML	13:40:46.16	HZ	0.017	0.5				
	IAML	13:39:45.57		HZ	0.029	0.5				PCAB	e Sn	13:40:13.98	EN						
PESTR	e Pn	13:38:40.98		HZ							e Sg	13:40:47.08	EN						
	e Pg	13:38:49.21		HZ							IAML	13:40:58.32	EZ	0.023	0.5				
	e Sg	13:39:26.05		HN						PGAV	e Pn	13:39:20.64	HZ						
	IAML	13:39:35.56		HZ	0.067	0.5													
EVO	e Pn	13:38:41.94		HZ						<b>28-Mar Ho 13:40:57.3 ML 1.6</b>									
	e Pg	13:38:51.74		HZ						<b>Lat 36.760°N Lon 05.144°W Prof 24</b>									
	e Sn	13:39:13.79		HN						<b>Região: W Malaga (ESP) Rms 0.4</b>									
	e Sg	13:39:27.61		HN						<b>AxMax 5.2 AxMin 3.1 Ang 14 ErrZ 4</b>									
	IAML	13:39:34.93		HZ	0.054	0.6				<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp</i>	<i>Per</i>			
PTEO	e Pn	13:38:41.81		HZ						PBAR	e Pn	13:41:30.16		HZ					
	e Pg	13:38:54.38		HZ							e Sn	13:41:53.61		HE					
	e Sn	13:39:16.86		HN							e Sg	13:42:00.85		HE					
	e Sg	13:39:33.60		HN							IAML	13:42:06.60		HZ	0.003	0.4			
	IAML	13:39:47.18		HZ	0.070	0.7				PVAQ	e Pn	13:41:29.64		HZ					
PFVI	e Pn	13:38:41.90		HZ							e Sn	13:41:54.86		H1					
	e Sn	13:39:16.50		HE							e Sg	13:42:04.48		H1					
	IAML	13:39:27.14		HZ	0.026	0.7					IAML	13:42:17.47		HZ	0.003	0.5			
PARRA	e Pn	13:38:43.63		HZ						PBDV	e Pn	13:41:29.74		HZ					
	e Sn	13:39:19.08		HE							e Sn	13:41:58.95		HE					
	e Sg	13:39:33.15		HN							e Sn	13:42:03.51		HN					
	IAML	13:39:37.73		HZ	0.034	0.3				PCVE	e Sn	13:42:08.33		HN					
MOE	e Pn	13:38:44.28		HZ						MESJ	e Sn	13:42:21.25		HN					
	e Pg	13:38:54.79		HZ							IAML	13:42:26.39		HZ	0.003	0.6			
	e Sn	13:39:21.32		HE						MORF	e Sn	13:42:12.94		HN					
	e Sg	13:39:35.83		HN						PESTR	e Sn	13:42:11.82		HE					
	IAML	13:39:40.60		HZ	0.074	0.6					e Sg	13:42:25.77		HE					
											IAML	13:42:30.73		HZ	0.002	0.5			



MVO	e	PKPab	18:08:29.91	BZ			
PVIS	e	PKPab	18:08:32.39	BZ			
MTE	e	PKPab	18:08:33.51	BZ			
PCAS	e	PKPab	18:08:34.53	BZ			
PCBR	e	PKPab	18:08:34.96	SZ			
PSARD	e	PKPab	18:08:39.47	BZ			
PMRV	e	PKPab	18:08:37.96	BZ			
PMTG	e	PKPab	18:08:40.30	BZ			
PESTR	e	PKPab	18:08:40.01	BZ			
PARRA	e	PKPab	18:08:40.55	BZ			
EVO	e	PKPab	18:08:42.20	BZ			
PBAR	e	PKPab	18:08:41.80	BZ			
PBEJ	e	PKPab	18:08:42.91	SZ			
MESJ	e	PKPab	18:08:45.23	BZ			
PCVE	e	PKPab	18:08:45.29	BZ			
PVAQ	e	PKPab	18:08:46.83	BZ			
PBDV	e	PKPab	18:08:47.03	BZ			
28-Mar	Ho	18:49:45.3		ML 1.7			
	Lat	36.717°N		Lon 05.133°W		Prof 17	
	Região: W Malaga (ESP)			Rms 0.5			
	AxMax	4.3	AxMin 3.1	Ang 180	ErrZ 4		
Est	Fase	P	h:m:s	Dur	Co	Amp	Per
PBAR	e Pn		18:50:18.27		HZ		
	e Sn		18:50:44.05		HE		
	e Sg		18:50:50.15		HE		
	IAML		18:50:56.06		HZ	0.002	0.2
PVAQ	e Pn		18:50:18.91		HZ		
	e Sn		18:50:45.19		H2		
	e Sg		18:50:55.60		H2		
	IAML		18:50:57.49		HZ	0.004	0.2
PBDV	e Pn		18:50:21.04		HZ		
	e Sn		18:50:48.58		HN		
PCVE	e Pn		18:50:23.37		HZ		
	e Sn		18:50:53.02		HN		
	IAML		18:50:54.27		HZ	0.001	0.1
PBEJ	e Pn		18:50:25.18		EZ		
MESJ	e Pn		18:50:27.56		HZ		
	e Sn		18:50:58.42		HE		
	IAML		18:51:19.48		HZ	0.002	0.2
PESTR	e Sg		18:51:14.82		HN		
	IAML		18:51:19.93		HZ	0.002	0.5
PFVI	e Pn		18:50:31.01		HZ		
	e Sn		18:51:05.08		HE		
PTEO	e Pn		18:50:30.98		HZ		
PARRA	e Pn		18:50:33.01		HZ		
	e Sn		18:51:08.78		HE		
	e Sg		18:51:21.36		HN		
	IAML		18:51:33.13		HZ	0.001	0.6
MOE	e Sg		18:51:21.71		HE		
	IAML		18:51:30.08		HZ	0.003	0.3
PMRV	e Pn		18:50:34.46		HZ		
	e Sn		18:51:13.26		HE		
	e Sg		18:51:24.68		HE		
	IAML		18:51:26.82		HZ	0.001	0.6
PMTG	e Pn		18:50:36.80		HZ		
	e Sg		18:51:30.13		HE		
	IAML		18:51:43.05		HZ	0.002	0.6
PSARD	e Pn		18:50:41.45		HZ		
	e Sn		18:51:24.17		HE		
	e Sg		18:51:39.33		HE		
	IAML		18:51:47.75		HZ	0.004	0.3
28-Mar							
Est	Fase	P	h:m:s	Dur	Co	Amp	Per
PVAQ	e Sn		20:11:56.46		H1		
	e Sg		20:12:05.87		H2		
PBAR	e Sg		20:12:00.81		HE		
28-Mar	Ho	20:16:53.2		ML 2.4			
	Lat	36.782°N		Lon 05.080°W		Prof 22	
	Região: W Malaga (ESP)			Rms 0.5			
	AxMax	3.5	AxMin 2.2	Ang 179	ErrZ 4		
Est	Fase	P	h:m:s	Dur	Co	Amp	Per
PBAR	e Pn		20:17:26.28		HZ		
	e Sn		20:17:51.28		HE		
	e Sg		20:17:57.55		HE		
	IAML		20:18:03.37		HZ	0.019	0.4
PVAQ	e Pn		20:17:26.27		HZ		
	e Sn		20:17:51.62		H2		
	e Sg		20:18:01.93		H2		
	IAML		20:18:05.05		HZ	0.012	0.2
PBDV	e Pn		20:17:28.38		HZ		
	e Sn		20:17:56.47		HE		
	e Sg		20:18:05.75		HN		
	IAML		20:18:14.03		HZ	0.007	0.5
PCVE	e Pn		20:17:30.58		HZ		
	e Sn		20:18:00.36		HE		
	e Sg		20:18:11.07		HN		
	IAML		20:18:17.07		HZ	0.009	0.5
PBEJ	e Sg		20:18:11.30		EN		
	IAML		20:18:19.20		EZ	0.007	0.7
MESJ	e Pn		20:17:33.74		HZ		
	e Sn		20:18:05.54		HN		
	e Sg		20:18:16.06		HN		
	IAML		20:18:27.24		HZ	0.009	0.3
PESTR	e Sn		20:18:09.42		HE		
	e Sg		20:18:22.38		HE		
	IAML		20:18:27.47		HZ	0.014	0.5
MORF	e Pn		20:17:36.60		HZ		
	e Sn		20:18:10.92		HE		
	e Sg		20:18:24.68		HE		
	IAML		20:18:35.76		HZ	0.005	0.4
EVO	e Pn		20:17:37.23		HZ		
	e Sn		20:18:10.94		HE		
	e Sg		20:18:21.94		HE		
	IAML		20:18:27.54		HZ	0.008	0.1
PTEO	e Pn		20:17:38.78		HZ		
	e Sn		20:18:13.40		HN		
	e Sg		20:18:28.81		HN		
	IAML		20:18:42.61		HZ	0.010	0.5
PFVI	e Pn		20:17:38.45		HZ		
	e Sn		20:18:12.40		HE		
	IAML		20:18:32.11		HZ	0.006	0.5
PARRA	e Pn		20:17:39.95		HZ		
	e Sn		20:18:14.55		HE		
	e Sg		20:18:28.64		HE		
	IAML		20:18:36.33		HZ	0.006	0.4
MOE	e Pn		20:17:40.68		HZ		
	e Sg		20:18:29.76		HE		
	IAML		20:18:36.53		HZ	0.009	0.3
PMRV	e Pn		20:17:41.63		HZ		
	e Sn		20:18:17.70		HE		
	e Sg		20:18:31.29		HE		
	IAML		20:18:36.84		HZ	0.006	0.4
PMTG	e Pn		20:17:44.07		HZ		
	e Sn		20:18:20.87		HE		
	e Sg		20:18:36.08		HE		
	IAML		20:18:45.07		HZ	0.007	0.4
PCBR	e Pn		20:17:46.98		EZ		
	e Sn		20:18:26.46		EE		
	e Sg		20:18:45.91		EN		
	IAML		20:18:48.06		EZ	0.005	0.3
PSARD	e Pn		20:17:48.61		HZ		
	e Sn		20:18:29.80		HE		
	e Sg		20:18:47.66		HE		
	IAML		20:18:54.84		HZ	0.017	1.0
PMAFR	e Sn		20:18:36.44		HE		
	e Sg		20:18:55.58		HE		
	IAML		20:19:06.35		HZ	0.012	0.4
MTE	e Sg		20:19:01.09		HN		



<b>29-Mar Ho 07:26:11.3 ML 1.9</b> <b>Lat 36.664°N Lon 12.683°W Prof 10*</b> <b>Região: Gorringe Rms 0.4</b> <b>AxMax 5.6 AxMin 3.3 Ang 93 ErrZ 0</b>										<b>29-Mar Ho 12:50:43.7 ML 1.4</b> <b>Lat 41.441°N Lon 08.387°W Prof 19</b> <b>Região: W Guimaraes Rms 0.4</b> <b>AxMax 4.6 AxMin 2.1 Ang 102 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>				<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	07:26:54.32		HZ						PVAQ	e P	10:20:12.60		HZ					
	e S	07:27:27.10		HN							e S	10:20:39.41		H2					
	IAML	07:27:28.68		HZ	0.003	0.2					IAML	10:20:44.92		HZ	0.001	0.2			
MORF	e P	07:26:56.69		HZ						MOE	e P	10:20:13.96		HZ					
	e S	07:27:31.52		HN							e S	10:20:42.22		HE					
	IAML	07:27:31.60		HZ	0.002	0.1					IAML	10:20:42.93		HZ	0.007	0.6			
PMAFR	e P	07:27:00.33		HZ						EVO	e S	10:20:47.43		HN					
	e S	07:27:37.57		HN							IAML	10:20:48.08		HZ	0.002	0.4			
	IAML	07:27:40.07		HZ	0.008	0.9				PARRA	e P	10:20:19.21		HZ					
MESJ	e P	07:27:02.10		HZ							e S	10:20:51.19		HN					
	e S	07:27:42.25		HE							IAML	10:20:52.88		HZ	0.001	0.2			
	IAML	07:27:45.22		HZ	0.002	0.4				PBAR	e S	10:20:58.07		HE					
PCVE	e P	07:27:04.39		HZ							IAML	10:21:00.57		HZ	0.001	0.6			
	e S	07:27:44.15		HE						PESTR	e S	10:20:58.79		HN					
PBDV	e P	07:27:04.78		HZ						PSARD	e S	10:21:04.68		HE					
	e S	07:27:44.85		HN						PMRV	e P	10:20:29.65		HZ					
	IAML	07:27:47.57		HZ	0.003	0.7					e S	10:21:10.22		HE					
MOE	e P	07:27:05.22		HZ							IAML	10:21:11.42		HZ	0.002	0.8			
	e S	07:27:46.03		HE						<b>29-Mar Ho 13:18:08.0 ML 0.5</b> <b>Lat 38.722°N Lon 07.901°W Prof 19</b> <b>Região: E Arraiolos Rms 0.3</b> <b>AxMax 2.7 AxMin 1.7 Ang 90 ErrZ 3</b>									
	IAML	07:27:50.94		HZ	0.002	0.2				<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp</i>	<i>Per</i>			
PVAQ	e P	07:27:07.47		HZ						PTO	e Pg	d 12:50:50.87		EZ					
	e S	07:27:49.56		H2							e Sg	12:50:56.14		EE					
	IAML	07:27:52.62		HZ	0.002	0.9					IAML	12:50:56.71		EZ	0.056	0.1			
PSBE	e P	07:27:09.70		HZ						PCAB	e Pg	c 12:50:51.31		EZ					
	e S	07:27:52.61		HE							e Sg	12:50:57.38		EN					
	IAML	07:27:55.56		HZ	0.002	0.5					IAML	12:50:58.48		EZ	0.026	0.3			
PARRA	e P	07:27:09.89		HZ						POLO	e Pg	12:50:52.41		HZ					
	e S	07:27:53.78		HN							e Sg	12:50:59.42		HN					
	IAML	07:28:00.55		HZ	0.002	0.8					IAML	12:50:59.93		HZ	0.008	0.3			
PMTG	e P	07:27:10.20		HZ						PGAV	i Pg	d 12:50:53.35		HZ					
	e S	07:27:54.15		HN							e Sg	12:51:00.84		HN					
PESTR	e P	07:27:15.66		HZ							IAML	12:51:01.53		HZ	0.021	0.1			
	e S	07:28:02.25		HE						PVRL	e Pg	12:50:53.68		SZ					
PSARD	e P	07:27:15.52		HZ							e Sg	12:51:01.28		SE					
	e S	07:28:02.70		HE							IAML	12:51:01.90		SZ	0.030	0.3			
	IAML	07:28:05.02		HZ	0.002	0.3				PVIS	e P	12:50:58.19		HZ					
PCAS	e P	07:27:17.14		HZ							e S	12:51:09.48		HN					
	e S	07:28:05.44		HN						MVO	e P	12:51:02.43		HZ					
	IAML	07:28:09.99		HZ	0.001	0.5					e S	12:51:15.98		HE					
PBAR	e P	07:27:17.35		HZ							IAML	12:51:17.15		HZ	0.006	0.1			
	e S	07:28:05.74		HE						PBRG	e P	12:51:05.57		HZ					
	IAML	07:28:12.10		HZ	0.001	0.4				PCAS	e Pg	12:51:07.87		HZ					
PMRV	e P	07:27:20.38		HZ							e Sn	12:51:21.54		HN					
	e S	07:28:12.08		HE							e Sg	12:51:26.57		HE					
	IAML	07:28:14.08		HZ	0.001	0.3					IAML	12:51:32.88		HZ	0.002	0.5			
PVIS	e S	07:28:24.25		HN						PSARD	e Sn	12:51:35.12		HE					
POLO	e S	07:28:37.10		HN							e Sg	12:51:41.18		HN					
	IAML	07:28:39.74		HZ	0.001	0.7				PMRV	e Pn	12:51:16.97		HZ					
MVO	e S	07:28:42.51		HE							Sg	12:51:49.56		HN					
PGAV	e S	07:28:43.71		HE						PMTG	e Sg	12:51:58.81		HE					
	IAML	07:29:02.54		HZ	0.002	0.8				PARRA	e Sg	12:52:07.23		HN					
<b>29-Mar Ho 10:19:35.9 ML 1.5</b> <b>Lat 36.715°N Lon 10.607°W Prof 25*</b> <b>Região: Gorringe Rms 0.3</b> <b>AxMax 6.3 AxMin 5.2 Ang 89 ErrZ 0</b>										<b>29-Mar Ho 13:18:08.0 ML 0.5</b> <b>Lat 38.722°N Lon 07.901°W Prof 19</b> <b>Região: E Arraiolos Rms 0.3</b> <b>AxMax 2.7 AxMin 1.7 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>				<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp</i>	<i>Per</i>			
PFVI	e P	c 10:19:59.53		HZ						PARRA	i Pg	d 13:18:11.94		HZ					
	e S	10:20:17.28		HE							e Sg	13:18:14.80		HE					
MORF	e P	10:20:02.20		HZ							IAML	13:18:14.90		HZ	0.005	0.2			
	e S	10:20:21.74		HE						EVO	e Pg	13:18:12.94		HZ					
	IAML	10:20:21.86		HZ	0.003	0.3					e Sg	13:18:16.42		HN					
PTEO	e S	10:20:22.61		HN							IAML	13:18:16.57		HZ	0.009	0.2			
	IAML	10:20:22.91		HZ	0.002	0.4				PESTR	e Pg	13:18:13.89		HZ					
PBDV	e S	10:20:34.71		HN							e Sg	13:18:18.12		HN					
	IAML	10:20:37.82		HZ	0.003	0.8					IAML	13:18:18.25		HZ	0.002	0.3			
MESJ	e S	10:20:34.43		HE							e Sn	13:20:06.92		HZ					
PCVE	e S	10:20:35.48		HN						MOE	e Pg	13:18:15.89		HZ					
	IAML	10:20:36.21		HZ	0.006	0.7					e Sg	13:18:21.38		HN					
											IAML	13:18:22.24		HZ	0.002	0.4			











<b>31-Mar</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>	
PARRA	e Pg	14:18:09.63		HZ			
	e Sg	14:18:11.31		HE			
	IAML	14:18:11.40		HZ	0.002	0.3	
EVO	e Sg	14:18:16.22		HE			
	IAML	14:18:16.26		HZ	0.002	0.3	
<b>31-Mar Ho 18:08:42.2 ML 1.1</b>							
<b>Lat 37.183°N Lon 07.286°W</b>				<b>Prof 0</b>			
<b>Região: E V.R.Sto António</b>				<b>Rms 0.3</b>			
<b>AxMax 3.0 AxMin 2.0 Ang 172 ErrZ 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>	
PVAQ	e Pg	18:08:49.72		HZ			
	e Sg	18:08:55.66		H1			
	IAML	18:08:55.76		HZ	0.005	0.6	
PBDV	e Pg	18:08:51.62		HZ			
	e Sg	18:08:58.63		HE			
	IAML	18:09:00.53		HZ	0.004	0.6	
PCVE	e Pg	18:08:55.94		HZ			
	e Sg	18:09:05.67		HE			
	IAML	18:09:06.63		HZ	0.002	0.4	
MESJ	e P	18:09:00.51		HZ			
	e S	18:09:12.99		HN			
	IAML	18:09:14.89		HZ	0.001	0.3	
PBAR	e S	18:09:13.88		HE			
	IAML	18:09:15.41		HZ	0.002	0.4	
MORF	e S	18:09:17.06		HE			
	IAML	18:09:17.90		HZ	0.003	0.1	
PTEO	e S	18:09:20.40		HE			
PFVI	e S	18:09:21.49		HE			
PARRA	e Sg	18:09:37.84		HN			
	IAML	18:09:38.86		HZ	0.001	0.6	
<b>31-Mar</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>	
FUL	e P	22:34:36.45		EZ			
	e S	22:34:40.40		EN			
	IAML	22:34:42.08		EZ	0.058	0.3	
PMAR	i P	d 22:34:37.49		HZ			
	e S	22:34:42.13		H2			
	IAML	22:34:43.85		HZ	0.106	0.3	
PMOZ	e S	22:34:48.35		HN			
<b>31-Mar Ho 23:32:07.0 ML 2.5</b>							
<b>Lat 36.098°N Lon 08.551°W</b>				<b>Prof 31</b>			
<b>Região: SE Cabo S.Vicente</b>				<b>Rms 0.4</b>			
<b>AxMax 4.0 AxMin 2.6 Ang 82 ErrZ 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>	
PFVI	e P	d 23:32:23.79		HZ			
	e S	23:32:36.90		HE			
	IAML	23:32:39.17		HZ	0.039	0.2	
MORF	e P	d 23:32:25.86		HZ			
	e S	23:32:40.52		HE			
	IAML	23:32:41.66		HZ	0.101	0.1	
PBDV	e P	c 23:32:26.78		HZ			
	e S	23:32:41.90		HE			
	IAML	23:32:46.15		HZ	0.022	0.2	
PTEO	e P	d 23:32:29.32		HZ			
	e S	23:32:46.68		HE			
	IAML	23:32:48.90		HZ	0.028	0.2	
PVAQ	e P	23:32:29.60		HZ			
	e S	23:32:47.07		H1			
	IAML	23:32:48.08		HZ	0.023	0.2	
PCVE	e P	23:32:31.61		HZ			
	e S	23:32:49.63		HE			
	IAML	23:32:52.41		HZ	0.020	0.3	
MESJ	e P	23:32:33.87		HZ			
	e S	23:32:53.97		HN			
	IAML	23:32:54.97		HZ	0.036	0.3	
PBEJ	e P	23:32:36.97		EZ			
	e S	23:32:59.41		EE			
	IAML	23:33:01.48		EZ	0.014	0.1	
PBAR	e P	23:32:42.42		HZ			
	e S	23:33:08.98		HE			
	IAML	23:33:11.91		HZ	0.011	0.4	
MOE	e P	23:32:42.89		HZ			
	e S	23:33:10.07		HN			
	IAML	23:33:11.49		HZ	0.031	0.3	
EVO	e P	23:32:43.29		HZ			
	e S	23:33:10.84		HN			
	IAML	23:33:11.21		HZ	0.026	0.2	
PARRA	e P	23:32:46.93		HZ			
	e S	23:33:17.35		HE			
	IAML	23:33:19.83		HZ	0.018	0.4	
PESTR	e P	23:32:49.20		HZ			
	e S	23:33:20.46		HN			
	IAML	23:33:21.68		HZ	0.004	0.3	
PMAFR	e P	23:32:49.80		HZ			
	e S	23:33:21.64		HN			
	IAML	23:33:24.99		HZ	0.021	0.6	
PMTG	e P	23:32:50.19		HZ			
	e S	23:33:22.63		HN			
	IAML	23:33:25.62		HZ	0.019	0.1	
PSBE	e P	23:32:56.87		HZ			
	e S	23:33:32.59		HE			
	IAML	23:33:38.61		HZ	0.006	0.5	
PMRV	e P	23:32:56.72		HZ			
	e S	23:33:34.49		HE			
	IAML	23:33:35.43		HZ	0.007	0.2	
PSARD	e P	23:32:57.65		HZ			
	e S	23:33:35.30		HN			
	IAML	23:33:38.27		HZ	0.039	0.2	
PCBR	e P	23:33:02.21		EZ			
	e S	23:33:43.95		EN			
	IAML	23:33:44.64		EZ	0.009	0.3	
PCAS	e P	23:33:04.08		HZ			
	e S	23:33:47.15		HE			
	IAML	23:33:48.56		HZ	0.006	0.4	
MTE	e P	23:33:09.90		HZ			
	e S	23:33:56.21		HN			
	IAML	23:33:58.31		HZ	0.007	0.3	
PVIS	e P	23:33:13.49		HZ			
	e S	23:34:02.84		HE			
MVO	e P	23:33:21.98		HZ			
	e S	23:34:15.90		HE			
	IAML	23:34:19.11		HZ	0.004	0.3	
PVRL	e P	23:33:20.83		SZ			
	e S	23:34:16.37		SN			
	IAML	23:34:18.99		SZ	0.005	0.1	
POLO	e P	23:33:22.68		HZ			
	e S	23:34:17.71		HN			
	IAML	23:34:21.35		HZ	0.002	0.6	
PCAB	e P	23:33:27.10		EZ			
	e S	23:34:25.82		EE			
	IAML	23:34:29.20		EZ	0.005	0.3	
PGAV	e P	23:33:30.41		HZ			
	e S	23:34:32.04		HE			
	IAML	23:34:34.37		HZ	0.003	0.8	
PBRG	e P	23:33:30.55		HZ			
	e S	23:34:31.77		HE			
	IAML	23:34:34.17		HZ	0.002	0.4	
<b>31-Mar Ho 23:52:31.0 Distante (NEIC) Mw 6.5</b>							
<b>Lat 44.460°N Lon 115.136°W</b>				<b>Prof 15</b>			
<b>Região: Western Idaho</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 P	24:03:55.75		BZ			
	IAMB	24:04:07.82		BZ	0.193	1.7	
	e S	24:13:16.88		LN			
	e SS	24:17:55.67		LN			
	e LR	24:26:51.76		LZ			
	IAMs_20	24:36:48.46		LZ	18.46	18	
PCAB	e P	24:03:56.36		SZ			
	IAMB	24:04:09.37		SZ	0.290	1.5	
PTO	e P	24:03:56.81		SZ			
	IAMB	24:04:09.90		SZ	0.404	1.5	
POLO	e P	24:03:58.36		BZ			
	IAMB	24:04:11.91		BZ	0.165	1.5	

Boletim Sismológico Preliminar do Continente e Madeira  
Março 2020

PVRL	e P	24:03:59.30	SZ			PMRV	e P	24:04:07.56	BZ		
	IAmb	24:04:12.45	SZ	0.384	1.5		IAmb	24:04:20.95	BZ	0.505	1.6
PBRG	e P	24:04:00.45	BZ				e S	24:13:41.93	LN		
	IAmb	24:04:13.33	BZ	0.198	1.7		e LR	24:27:55.91	LZ		
PMOZ	e P	24:04:00.08	BZ				IAMs_20	24:33:02.06	LZ	19.51	20
	IAmb	24:04:14.28	BZ	0.268	1.8	PARRA	e P	24:04:07.86	BZ		
	e S	24:13:36.54	LN				IAmb	24:04:21.48	BZ	0.221	1.5
	e LR	24:27:19.15	LZ			MOE	e P	24:04:08.53	BZ		
	IAMs_20	24:32:57.96	LZ	13.83	20		IAmb	24:04:21.85	BZ	0.288	1.6
PVIS	e P	24:04:02.79	BZ			EVO	e P	24:04:09.16	BZ		
PCAS	e P	24:04:01.52	BZ				IAmb	24:04:22.19	BZ	0.240	1.6
	IAmb	24:04:15.17	BZ	0.561	1.5	PESTR	e P	24:04:09.04	BZ		
MVO	e P	24:04:01.89	BZ				IAmb	24:04:21.91	BZ	0.236	1.3
	IAmb	24:04:14.53	BZ	0.266	1.5	PTEO	e P	24:04:10.92	BZ		
	e S	24:13:34.22	LN				IAmb	24:04:24.98	BZ	0.395	1.8
	e SS	24:18:19.26	LE			MESJ	e P	24:04:11.53	BZ		
	e LR	24:27:25.74	LZ				IAmb	24:04:24.45	BZ	0.200	1.5
	IAMs_20	24:34:09.38	LZ	16.07	18	PBEJ	e P	24:04:11.88	SZ		
PMAR	e P	24:04:01.82	BZ				IAmb	24:04:24.64	SZ	0.282	1.7
	IAmb	24:04:16.84	BZ	0.982	1.7	MORF	e P	24:04:12.58	BZ		
FUL	e P	24:04:03.12	EZ				IAmb	24:04:26.10	BZ	0.637	1.4
	IAmb	24:04:15.92	EZ	0.436	1.6	PFVI	e P	24:04:12.48	BZ		
PMPST	e P	24:04:00.83	BZ				IAmb	24:04:26.29	BZ	0.766	1.4
	IAmb	24:04:14.82	BZ	0.667	1.7	PCVE	e P	24:04:13.07	BZ		
PSBE	e P	24:04:02.83	BZ				IAmb	24:04:25.95	BZ	0.329	1.4
	IAmb	24:04:15.81	BZ	0.454	1.6	PBAR	e P	24:04:14.02	BZ		
MTE	e P	24:04:03.67	BZ				IAmb	24:04:26.71	BZ	0.293	1.6
	IAmb	24:04:15.95	BZ	0.400	1.5	PBDV	e P	24:04:15.89	BZ		
	e S	24:13:37.68	LN				IAmb	24:04:28.37	BZ	0.423	1.3
	e SS	24:18:23.14	LE			PVAQ	e P	24:04:15.24	BZ		
	e LR	24:27:24.01	LZ				IAmb	24:04:28.04	BZ	0.426	1.4
	IAMs_20	24:34:22.99	LZ	25.38	18		e S	24:13:55.72	L1		
PMAFR	e P	24:04:03.81	BZ				e SS	24:18:53.93	L2		
	IAmb	24:04:17.25	BZ	0.631	1.3		e LR	24:28:31.60	LZ		
PSARD	e P	24:04:04.41	BZ				IAMs_20	24:35:01.59	LZ	29.79	18
	IAmb	24:04:17.88	BZ	0.386	1.3						
GGNV	e P	24:04:05.70	BZ								
	IAmb	24:04:18.86	BZ	0.852	1.4						
PCBR	e P	24:04:05.86	SZ								
	IAmb	24:04:18.78	SZ	0.253	1.5						
PMTG	e P	24:04:06.64	BZ								
	IAmb	24:04:18.89	BZ	0.295	1.5						

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

# CARTA DE EPICENTROS - Zona Ibérica e Atlântica Adjacente Março 2020

