

**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

JANEIRO 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 (μm) medida na componente vertical - (Z)
Per	Período (seg) correspondente a Amp
Co	Instrumento e componente (código SEED simplificado [ac] - ver página seguinte)
Lat	Latitude epicentral
Lon	Longitude epicentral
Prof	Profundidade em km (* - fixada pelo Geofísico)
Ho	Hora na origem (formato hh:mm:ss.s)
Mag	Magnitude: local (ML, ml); duração (MD, md); MB - ondas P; MS - ondas superficiais; MW - magnitude momento sísmico
Rms	Erro médio quadrático
AxMax	Semi-eixo maior da elipse de confiança (90%), em km
AxMin	Semi-eixo menor da elipse de confiança (90%), em km
ErrZ	Erro da profundidade focal (90%), em km
Ang	Azimute do eixo maior da elipse de confiança (°)
Região	Região epicentral
Int	Intensidade máxima (Escala Mercalli Modificada, 1956)
#	Erro no relógio

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

Lista de Estações

Estação	Local	Sensor/Dinam	Canais	Latitude	Longitude	Alt	Org
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	30° 36.02'N	08° 09.74'W	422 m	IPMA
PSBE	São Bento	CMG-3ESPc/24bits	HH,BH,LH	39° 30.85'N	08° 47.73'W	510 m	IPMA
PSETU	Setúbal	AC-xx/ 22bits	HN	38° 32.23'N	08° 52.01'W	48 m	IST/IPMA
PSINE	Sines	AC-xx/22bits	HN	37° 57.48'N	08° 51.75'W	50 m	IST/IPMA
PSVI	Sagres	AC-xx/ 22bits	HN	37° 00.72'N	08° 56.98'W	61 m	IST/IPMA
PTAV	Tavira	TitanEA/ 24bits	HN	37° 07.51'N	07° 39.28'W	25 m	IPMA
PTEO	São Teotónio	TRILL120s/ 24bits TitanEA / 24bits	HH,BH,LH HN	37° 32.73'N	08° 43.45'W	119 m	IPMA
PTO	Porto	LE3D-5s/ 24bits	EH,SH	41° 08.31'N	08° 36.13'W	88 m	IPMA
PVAQ	Vaqueiros	TRILL120s/ 24bits TitanEA / 24bits	HH,BH,LH HN	37° 24.22'N	07°43.04 'W	200 m	IPMA
PVERD	Verdizela	AC-xx/ 22bits	HN	38° 34.94'N	09° 09.38'W	71 m	IST/IPMA
PVIS	Viseu	LE3D-5s/ 24bits	EH,SH	40° 42.94'N	07° 53.68'W	720 m	IPMA
PVRL	Vila Real	LE3D-5s/ 20bits	SH	41° 16.53'N	07° 42.97'W	660 m	IPMA

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

Dinam: Dinâmica do registo

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

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

Listagem de Hipocentros dos Sismos Próximos

Data	Hora	Lat	Lon	Prof	Mag	Região	Rms	Int
01-01-2020	09:09:46.7	36.983°N	02.393°W	6	3.5 ml	S Almeria (ESP)	0.5	
01-01-2020	12:45:44.9	37.500°N	08.311°W	6	0.6 ml	SW Ourique	0.3	
01-01-2020	13:11:30.3	36.509°N	07.435°W	15	1.2 ml	Golfo de Cádiz	0.3	
01-01-2020	15:18:11.7	36.953°N	13.405°W	68	2.2 ml	Josephine	0.3	
01-01-2020	17:08:27.7	36.469°N	07.527°W	12	2.1 ml	Golfo de Cádiz	0.5	
01-01-2020	22:52:15.1	38.788°N	07.967°W	9	0.5 ml	NE Arraiolos	0.3	
01-01-2020	22:54:26.4	36.598°N	10.694°W	31	1.5 ml	Gorringe	0.3	
01-01-2020	23:55:27.4	36.986°N	03.855°W	0	1.7 ml	SW Granada (ESP)	0.4	
02-01-2020	02:36:55.5	37.994°N	09.167°W	1*	0.9 ml	W Sines	0.4	
02-01-2020	06:28:29.9	36.597°N	12.638°W	31*	2.1 ml	Gorringe	0.4	
02-01-2020	08:57:39.4	37.292°N	08.556°W	12	0.4 ml	SE Monchique	0.4	
02-01-2020	10:28:42.1	36.473°N	09.824°W	9	1.2 ml	SW Cabo S.Vicente	0.3	
02-01-2020	10:43:18.3	36.733°N	11.076°W	30*	1.5 ml	Gorringe	0.3	
02-01-2020	17:25:45.9	37.361°N	03.596°W	23*	2.0 ml	N Granada (ESP)	0.4	
02-01-2020	19:52:04.2	39.798°N	09.490°W	11	2.3 ml	W S.Pedro de Muel	0.5	
02-01-2020	20:14:02.5	36.696°N	11.322°W	42*	1.8 ml	Gorringe	0.5	
02-01-2020	22:38:02.7	36.962°N	08.386°W	13*	1.0 ml	SW Albufeira	0.3	
03-01-2020	00:28:48.0	36.501°N	07.702°W	33	1.0 ml	Golfo de Cádiz	0.6	
03-01-2020	02:43:44.7	42.369°N	08.556°W	4	1.1 ml	SE Pontevedra (ESP)	0.4	
03-01-2020	03:18:49.7	39.738°N	08.742°W	10	0.3 ml	E Leiria	0.3	
03-01-2020	06:12:47.0	40.789°N	08.107°W	12	1.0 ml	NW S.Pedro do Sul	0.5	
03-01-2020	06:41:23.2	36.691°N	09.716°W	20	2.0 ml	SW Cabo S.Vicente	0.4	
03-01-2020	07:08:06.7	35.392°N	00.192°E	28	-	NW Argélia (ALG)	0.7	
03-01-2020	09:50:27.3	38.879°N	08.027°W	18	1.4 ml	SE Mora	0.3	
03-01-2020	09:51:16.1	38.879°N	08.019°W	20	2.0 ml	SE Mora	0.5	
03-01-2020	12:03:42.9	37.369°N	09.117°W	30	0.7 ml	NW Aljezur	0.1	
03-01-2020	19:05:42.4	38.787°N	07.932°W	4	0.1 ml	NE Arraiolos	0.0	
04-01-2020	01:48:13.0	36.559°N	09.784°W	16	1.9 ml	SW Cabo S.Vicente	0.4	
04-01-2020	02:37:19.3	36.884°N	08.875°W	29	0.9 ml	SE Cabo S.Vicente	0.1	
04-01-2020	08:30:52.1	35.757°N	04.717°W	75	1.8 ml	Alboran	0.5	
04-01-2020	12:53:29.8	43.174°N	15.503°W	19*	2.7 ml	Abissal Ibérica	0.4	
04-01-2020	14:07:38.4	36.335°N	08.146°W	19	1.5 ml	SW Faro	0.4	
04-01-2020	16:03:32.7	36.805°N	08.172°W	24	2.4 ml	SW Faro	0.4	
04-01-2020	18:36:30.9	36.719°N	07.789°W	23	1.4 ml	Golfo de Cádiz	0.4	
04-01-2020	19:31:55.0	42.085°N	07.216°W	15	1.5 ml	NW Vinhais	0.5	
05-01-2020	02:35:37.8	36.693°N	07.451°W	18	1.4 ml	Golfo de Cádiz	0.4	
05-01-2020	03:39:40.8	36.933°N	09.149°W	28	0.9 ml	SW Cabo S.Vicente	0.1	
05-01-2020	14:57:13.1	37.645°N	07.791°W	2*	1.7 ml	W Mértola	0.4	
05-01-2020	21:19:04.9	36.587°N	07.950°W	18	1.2 ml	Golfo de Cádiz	0.5	
05-01-2020	22:14:54.6	41.817°N	07.821°W	15	0.7 ml	W Montalegre	0.1	
06-01-2020	01:04:08.3	36.977°N	05.235°W	10	1.2 ml	SE Sevilha (ESP)	0.4	
06-01-2020	01:26:03.3	41.413°N	08.401°W	9	0.7 ml	SW Guimarães	0.4	
06-01-2020	15:58:00.1	39.239°N	09.279°W	13	2.3 ml	E Lourinhã	0.4	
06-01-2020	20:22:54.7	36.493°N	09.867°W	31	1.5 ml	SW Cabo S.Vicente	0.4	
07-01-2020	02:57:06.2	38.266°N	07.598°W	1*	0.7 ml	SE Portel	0.3	
07-01-2020	18:48:38.6	36.732°N	07.421°W	22	1.2 ml	Golfo de Cádiz	0.3	
08-01-2020	18:02:20.7	37.330°N	02.101°W	2*	2.3 ml	SE Almeria (ESP)	0.4	
08-01-2020	18:38:50.4	36.516°N	07.520°W	26	1.1 ml	Golfo de Cádiz	0.3	
08-01-2020	20:27:28.7	38.986°N	09.017°W	3	0.7 ml	NW Vila Franca de Xira	0.3	
09-01-2020	00:09:50.6	42.249°N	07.682°W	0	1.5 ml	SE Ourense (ESP)	0.4	
09-01-2020	00:08:42.0	42.261°N	07.710°W	2	1.8 ml	SE Ourense (ESP)	0.4	
09-01-2020	09:09:42.5	37.539°N	08.671°W	12	1.6 ml	SW Odemira	0.3	
09-01-2020	21:56:06.6	38.721°N	07.885°W	17	0.9 ml	E Arraiolos	0.1	
09-01-2020	22:16:36.3	36.886°N	13.530°W	34*	2.2 ml	Josephine	0.4	
10-01-2020	00:10:54.7	35.843°N	08.645°W	32	2.4 ml	Mar de Marrocos	0.5	
10-01-2020	05:27:41.3	37.009°N	03.997°W	13	2.1 ml	SW Granada (ESP)	0.4	
10-01-2020	08:44:41.6	38.184°N	08.984°W	23	1.5 ml	W Melides	0.1	
11-01-2020	01:39:49.1	36.654°N	07.580°W	19	1.7 ml	Golfo de Cádiz	0.5	
11-01-2020	04:01:02.4	36.671°N	07.526°W	20	1.2 ml	Golfo de Cádiz	0.4	
11-01-2020	20:44:13.6	36.700°N	07.604°W	22	0.9 ml	Golfo de Cádiz	0.4	
11-01-2020	22:25:57.6	36.684°N	07.621°W	20	0.9 ml	Golfo de Cádiz	0.4	
11-01-2020	23:22:57.7	36.546°N	11.059°W	16	1.5 ml	Gorringe	0.4	
12-01-2020	00:52:40.9	42.766°N	09.036°W	1*	1.6 ml	Costa da Galiza (ESP)	0.4	
12-01-2020	03:05:06.4	43.219°N	08.674°W	19	1.6 ml	SW Coruna (ESP)	0.4	
12-01-2020	08:45:38.7	42.261°N	07.718°W	2*	1.1 ml	SE Ourense (ESP)	0.3	

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12-01-2020	09:47:57.3	37.340°N	09.180°W	31	0.9 ml	W Aljezur	0.2
12-01-2020	11:48:21.7	41.796°N	08.215°W	10	0.9 ml	NE Terras de Bouro	0.3
12-01-2020	13:50:21.1	36.668°N	11.496°W	38*	1.9 ml	Gorringe	0.4
12-01-2020	14:32:07.9	36.729°N	05.052°W	27*	2.0 ml	W Malaga (ESP)	0.4
12-01-2020	15:58:41.4	42.016°N	08.425°W	19	1.0 ml	SE Monção	0.4
12-01-2020	23:45:09.2	39.039°N	02.612°W	16	2.4 ml	W Albacete (ESP)	0.5
13-01-2020	02:08:45.6	36.921°N	08.177°W	19	1.2 ml	SE Albufeira	0.3
13-01-2020	02:51:15.2	36.593°N	07.588°W	19	1.1 ml	Golfo de Cádiz	0.4
13-01-2020	04:56:16.5	36.973°N	05.405°W	15	2.1 ml	SE Sevilha (ESP)	0.4
13-01-2020	06:41:55.8	39.984°N	00.514°W	18	2.6 ml	W Castellon de La Plana	0.5
13-01-2020	08:33:13.6	37.253°N	07.385°W	14	1.5 ml	NE Castro Marim	0.4
13-01-2020	20:58:03.2	35.878°N	07.503°W	36*	1.5 ml	Mar de Marrocos	0.5
14-01-2020	00:01:25.2	36.404°N	05.052°W	19	1.7 ml	SW Marbella	0.4
14-01-2020	08:12:51.3	36.295°N	07.629°W	12	1.7 ml	Golfo de Cádiz	0.3
14-01-2020	08:58:08.7	38.727°N	07.904°W	15	0.5 ml	E Arraiolos	0.2
14-01-2020	10:56:52.2	38.538°N	07.957°W	3	1.5 ml	SW Evora	0.3
14-01-2020	12:51:47.1	38.767°N	08.236°W	9	0.6 ml	N Montemor-o-Novo	0.2
14-01-2020	15:35:18.3	35.966°N	07.527°W	23*	1.6 ml	Mar de Marrocos	0.3
15-01-2020	00:59:45.6	39.279°N	10.274°W	19	3.0 ml	Canhão da Nazaré	0.5
15-01-2020	04:00:23.5	37.338°N	08.556°W	12	1.1 ml	NE Monchique	0.2
15-01-2020	08:22:37.2	38.782°N	07.946°W	9	1.2 ml	NE Arraiolos	0.4
15-01-2020	08:24:39.8	37.311°N	08.551°W	10	0.8 ml	SE Monchique	0.3
15-01-2020	17:02:46.6	37.052°N	05.568°W	31	1.9 ml	SE Sevilha (ESP)	0.4
16-01-2020	01:32:10.7	37.958°N	08.184°W	4	1.7 ml	NW Aljustrel	0.4
16-01-2020	01:55:19.9	36.676°N	05.446°W	12	2.1 ml	NW Gibraltar (ESP)	0.4
16-01-2020	04:33:39.7	34.399°N	04.389°W	12	2.3 ml	NE Fez (Marr)	0.3
16-01-2020	04:35:43.1	37.025°N	03.856°W	1*	1.9 ml	SW Granada (ESP)	0.4
16-01-2020	05:53:06.5	37.708°N	07.835°W	8	1.6 ml	NW Mértola	0.3
16-01-2020	15:11:35.0	33.993°N	06.624°W	41*	1.9 ml	NE Rabat (MARR)	0.4
17-01-2020	02:23:51.5	36.130°N	13.920°W	67	2.3 ml	Josephine	0.6
17-01-2020	04:09:18.5	36.719°N	07.252°W	20	0.7 ml	Golfo de Cádiz	0.1
17-01-2020	05:43:25.8	36.513°N	09.761°W	9	1.4 ml	SW Cabo S.Vicente	0.3
17-01-2020	08:10:58.3	40.906°N	08.135°W	11	1.4 ml	SE Arouca	0.4
17-01-2020	12:35:53.0	37.166°N	08.543°W	15	0.5 ml	N Portimão	0.2
17-01-2020	12:57:13.8	38.727°N	07.898°W	11	0.4 ml	E Arraiolos	0.3
17-01-2020	17:49:30.9	34.513°N	08.685°W	31	1.9 ml	Mar de Marrocos	0.7
17-01-2020	22:01:10.4	37.107°N	03.811°W	1	2.7 ml	W Granada (ESP)	0.7
18-01-2020	02:14:54.0	38.639°N	06.997°W	2	1.4 ml	SE Olivença	0.4
18-01-2020	05:38:13.1	36.547°N	07.611°W	18	1.1 ml	Golfo de Cádiz	0.4
18-01-2020	13:26:51.7	38.821°N	08.323°W	7	0.6 ml	SW Mora	0.2
18-01-2020	16:10:51.5	36.471°N	10.991°W	17*	1.9 ml	Gorringe	0.4
18-01-2020	20:16:20.1	36.389°N	11.090°W	32*	1.8 ml	Gorringe	0.4
18-01-2020	20:26:56.7	37.384°N	08.507°W	4	0.8 ml	NE Monchique	0.4
18-01-2020	22:44:50.3	35.047°N	03.170°W	3	2.0 ml	SW Melilla	0.5
18-01-2020	22:48:31.8	36.618°N	11.303°W	32	2.1 ml	Gorringe	0.4
18-01-2020	23:48:03.6	36.769°N	05.594°W	16	2.3 ml	NE Cádiz (ESP)	0.5
19-01-2020	01:11:58.9	36.735°N	05.581°W	11	1.6 ml	NE Cádiz (ESP)	0.4
19-01-2020	02:20:39.8	33.993°N	06.642°W	36*	1.9 ml	NE Rabat (MARR)	0.5
19-01-2020	03:36:55.5	38.836°N	08.063°W	16	0.9 ml	NW Arraiolos	0.2
19-01-2020	06:07:11.1	41.443°N	08.405°W	24	1.7 ml	W Guimarães	0.3
19-01-2020	09:26:12.0	35.975°N	08.632°W	3*	1.7 ml	Mar de Marrocos	0.4
19-01-2020	09:42:47.4	39.943°N	08.568°W	6	1.3 ml	NE Pombal	0.3
19-01-2020	20:25:48.8	38.243°N	07.993°W	6	1.9 ml	SE Alvito	0.5
19-01-2020	20:48:15.0	36.439°N	09.230°W	13	1.7 ml	SW Cabo S.Vicente	0.4
19-01-2020	21:43:26.2	38.462°N	07.966°W	8	1.4 ml	SW Evora	0.4
19-01-2020	21:44:13.7	38.456°N	07.986°W	7	1.2 ml	SW Evora	0.4
20-01-2020	21:17:57.5	36.112°N	06.842°W	14	2.9 ml	Golfo de Cádiz	0.5
21-01-2020	03:38:37.7	38.605°N	07.975°W	13	1.0 ml	NW Evora	0.3
21-01-2020	09:43:17.2	36.253°N	08.243°W	20	3.3 ml	SW Faro	0.3
21-01-2020	14:43:15.7	37.315°N	08.579°W	7	0.8 ml	W Monchique	0.2
21-01-2020	15:05:38.2	37.173°N	09.132°W	29	0.7 ml	NW Cabo S.Vicente	0.4
21-01-2020	18:16:56.4	37.337°N	08.459°W	9	1.2 ml	NE Monchique	0.3
22-01-2020	05:34:25.6	36.756°N	09.542°W	31	2.1 ml	SW Cabo S.Vicente	0.3
22-01-2020	13:54:09.6	40.105°N	07.921°W	13	0.9 ml	NE Pampilhosa da Serra	0.2
22-01-2020	18:14:14.0	36.527°N	09.755°W	15	1.3 ml	SW Cabo S.Vicente	0.2
23-01-2020	01:48:51.4	36.498°N	09.850°W	31	2.2 ml	SW Cabo S.Vicente	0.4
23-01-2020	02:09:44.0	36.608°N	07.671°W	22	1.1 ml	Golfo de Cádiz	0.4
23-01-2020	02:28:07.4	36.443°N	11.163°W	10*	1.4 ml	Gorringe	0.4
23-01-2020	07:38:54.9	37.027°N	08.626°W	15	0.9 ml	SE Lagos	0.1
23-01-2020	11:45:43.3	32.578°N	06.513°W	21	2.3 ml	SE Rabat (MARR)	0.3

Boletim Sismológico Preliminar do Continente e Madeira
Janeiro 2020

23-01-2020	13:28:24.2	36.937°N	08.619°W	31	0.7 ml	SE Lagos	0.1
23-01-2020	18:54:34.9	37.515°N	07.612°W	15	0.7 ml	NW Alcoutim	0.3
23-01-2020	21:12:51.4	37.319°N	08.603°W	11	0.9 ml	W Monchique	0.3
23-01-2020	23:20:14.0	42.103°N	07.184°W	12	1.2 ml	NW Vinhais	0.3
23-01-2020	23:28:48.2	36.837°N	08.362°W	26	1.4 ml	SW Albufeira	0.4
24-01-2020	02:12:22.9	38.180°N	08.285°W	1*	0.8 ml	NW Ferreira do Alentejo	0.3
24-01-2020	04:46:20.1	36.793°N	08.711°W	24	1.0 ml	S Lagos	0.1
24-01-2020	04:59:46.4	36.473°N	13.572°W	0	2.0 ml	Josephine	0.5
24-01-2020	06:40:28.2	38.087°N	08.789°W	8	1.0 ml	SW Melides	0.2
24-01-2020	08:34:17.8	36.511°N	07.541°W	3*	1.6 ml	Golfo de Cádiz	0.4
24-01-2020	14:03:26.9	36.090°N	07.933°W	35*	1.5 ml	Golfo de Cádiz	0.2
24-01-2020	19:51:36.4	36.074°N	10.250°W	13*	1.7 ml	Gorringe	0.3
25-01-2020	06:40:21.4	36.950°N	13.181°W	15*	1.9 ml	Josephine	0.3
25-01-2020	11:32:25.6	37.362°N	09.123°W	28	0.9 ml	W Aljezur	0.4
25-01-2020	11:56:34.2	36.751°N	09.697°W	18	2.1 ml	SW Cabo S.Vicente	0.4
25-01-2020	14:56:51.5	42.241°N	07.955°W	1	1.4 ml	SW Ourense (ESP)	0.4
25-01-2020	18:32:29.8	36.471°N	07.893°W	21	1.3 ml	Golfo de Cádiz	0.4
25-01-2020	19:05:07.0	36.945°N	05.270°W	16	1.6 ml	SE Sevilha (ESP)	0.5
26-01-2020	01:12:29.9	37.030°N	05.185°W	11	1.5 ml	SE Sevilha (ESP)	0.5
26-01-2020	02:20:59.1	38.513°N	06.959°W	2*	1.7 ml	SE Olivença	0.4
26-01-2020	02:32:57.7	37.125°N	13.936°W	24*	2.5 ml	Josephine	0.5
26-01-2020	02:37:18.8	36.944°N	05.277°W	11	1.5 ml	SE Sevilha (ESP)	0.5
26-01-2020	04:57:43.1	37.383°N	08.868°W	5*	0.6 ml	NW Aljezur	0.3
26-01-2020	06:01:30.1	36.891°N	13.604°W	38*	1.9 ml	Josephine	0.4
26-01-2020	11:23:16.9	35.577°N	08.824°W	38*	1.6 ml	Mar de Marrocos	0.3
26-01-2020	13:38:15.3	36.706°N	07.581°W	24	1.9 ml	Golfo de Cádiz	0.4
26-01-2020	14:09:00.5	42.233°N	07.955°W	2*	1.2 ml	SW Ourense (ESP)	0.3
26-01-2020	23:47:03.8	38.198°N	08.218°W	13	0.8 ml	NW Ferreira do Alentejo	0.3
27-01-2020	01:40:28.4	38.692°N	07.819°W	16	0.4 ml	E Arraiolos	0.3
27-01-2020	01:58:15.9	40.160°N	07.735°W	1*	1.1 ml	W Fundão	0.4
27-01-2020	02:50:56.3	37.055°N	05.188°W	6	2.0 ml	SE Sevilha (ESP)	0.4
27-01-2020	05:02:16.6	36.539°N	09.038°W	11*	1.1 ml	SW Cabo S.Vicente	0.4
27-01-2020	09:50:03.8	38.107°N	09.646°W	13*	1.1 ml	SW Sesimbra	0.4
27-01-2020	10:50:27.0	36.848°N	08.220°W	1*	1.2 ml	S Albufeira	0.4
27-01-2020	15:54:48.2	34.096°N	03.823°W	8*	2.1 ml	E Fez (Marr)	0.3
27-01-2020	23:32:53.0	36.907°N	13.617°W	36*	2.0 ml	Josephine	0.4
28-01-2020	08:49:42.3	37.320°N	08.610°W	13	0.6 ml	W Monchique	0.1
28-01-2020	16:11:16.0	38.732°N	07.923°W	18	0.7 ml	E Arraiolos	0.3
28-01-2020	16:28:32.1	36.703°N	11.025°W	10*	1.7 ml	Gorringe	0.3
29-01-2020	01:58:14.9	36.954°N	05.711°W	16	2.3 ml	SE Sevilha (ESP)	0.5
29-01-2020	10:20:38.2	38.294°N	09.248°W	13	1.4 ml	SW Sesimbra	0.3
29-01-2020	19:10:55.0	36.412°N	09.834°W	9	2.0 ml	SW Cabo S.Vicente	0.3
30-01-2020	04:16:14.5	36.616°N	11.139°W	41*	2.0 ml	Gorringe	0.4
30-01-2020	08:04:42.9	36.994°N	05.153°W	21	2.2 ml	NW Malaga (ESP)	0.5
30-01-2020	08:09:22.3	37.064°N	05.202°W	17	1.7 ml	SE Sevilha (ESP)	0.4
30-01-2020	18:13:13.2	41.700°N	07.360°W	12	1.6 ml	SE Chaves	0.4
31-01-2020	00:16:50.3	41.669°N	07.376°W	1	1.0 ml	NW Valpaços	0.4
31-01-2020	05:13:32.5	36.623°N	09.779°W	16	1.5 ml	SW Cabo S.Vicente	0.3
31-01-2020	19:31:14.0	38.343°N	08.573°W	5	0.8 ml	SW Alcácer do Sal	0.4
31-01-2020	19:38:09.8	36.453°N	09.292°W	10	1.4 ml	SW Cabo S.Vicente	0.5
31-01-2020	19:39:35.9	36.478°N	09.361°W	14	1.2 ml	SW Cabo S.Vicente	0.4
31-01-2020	20:07:40.6	37.280°N	08.579°W	11	0.4 ml	SW Monchique	0.3
31-01-2020	21:21:11.6	39.175°N	10.051°W	8	1.2 ml	Canhão da Nazaré	0.5

01-Jan	Ho	08:31:24.0	Distante (NEIC)		Mw	5.5	PBEJ	e Pn	09:10:54.32	EZ		
	Lat	17.427°S	Lon 172.490°W		Prof	10		e Sn	09:11:44.51	EE		
	Região: Tonga Islands Region							IAML	09:11:48.45	EZ	0.019	0.6
Est	Fase	P	h:m:s	Dur	Co	Amp	Per	e Sg	09:12:09.02	EN		
PGAV	e PKPbc		08:51:24.96		BZ			e Pn	09:10:54.45	HZ		
	e LR		09:52:36.08		LZ			e Sn	09:11:45.83	HE		
	IAMs_20		09:56:43.66		LZ	0.871	20	e Sg	09:12:11.47	HN		
PCAB	e PKPbc		08:51:26.24		SZ			IAML	09:12:18.89	HZ	0.063	0.7
	e PKPab		08:51:35.25		SZ			PCVE	e Pn	09:10:55.16	HZ	
PTO	e PKPbc		08:51:25.79		SZ			e Sn	09:11:48.95	HE		
POLO	e PKPbc		08:51:25.88		BZ			e Sg	09:12:10.31	HN		
	e PKPab		08:51:36.56		BZ			IAML	09:12:18.05	HZ	0.022	0.6
PVRL	e PKPbc		08:51:26.50		SZ			PMRV	e Pn	09:10:57.14	HZ	
PMOZ	e LR		09:47:31.64		LZ			e Pg	09:11:11.79	HZ		
	IAMs_20		09:55:54.50		LZ	0.436	18	e Sn	09:11:48.24	HN		
MVO	e PKPbc		08:51:26.88		BZ			e Sg	09:12:11.76	HE		
	e LR		09:51:52.64		LZ			IAML	09:12:22.39	HZ	0.091	0.5
	IAMs_20		09:57:35.78		LZ	0.382	18	EVO	e Pn	09:10:57.26	HZ	
PVIS	e -		08:51:27.52		BZ			e Sn	09:11:50.03	HN		
PCAS	e PKPbc		08:51:27.79		BZ			e Sg	09:12:16.44	HE		
	e PKPab		08:51:39.89		BZ			IAML	09:12:23.15	HZ	0.050	0.6
MTE	e PKPbc		08:51:26.15		BZ			MESJ	e Pn	09:10:57.37	HZ	
	e PKPab		08:51:39.80		BZ			e Sn	09:11:51.83	HN		
	e LR		09:53:05.39		LZ			e Sg	09:12:17.50	HE		
	IAMs_20		09:59:31.58		LZ	0.455	20	IAML	09:12:28.45	HZ	0.040	0.5
PSBE	e PKPbc		08:51:29.17		BZ			PARRA	e Pn	09:10:58.43	HZ	
	e PKPab		08:51:40.24		BZ			e Sn	09:11:52.95	HE		
PMAFR	e PKPab		08:51:40.67		BZ			e Sg	09:12:20.32	HE		
PSARD	e PKPbc		08:51:28.43		BZ			IAML	09:12:38.38	HZ	0.052	0.5
	e PKPab		08:51:42.54		BZ			PCBR	e Pn	09:11:00.85	EZ	
PCBR	e PKPbc		08:51:27.86		SZ			e Sn	09:11:55.62	EE		
	e PKPab		08:51:41.04		SZ			e Sg	09:12:22.39	EN		
PMTG	e PKPbc		08:51:28.04		BZ			IAML	09:12:34.13	EZ	0.091	0.6
	e PKPab		08:51:41.94		BZ			MOE	e Pn	09:11:01.30	HZ	
PMRV	e PKPdf		08:51:17.23		BZ			e Sn	09:11:56.62	HE		
	e PKPbc		08:51:32.12		BZ			e Sg	09:12:26.34	HN		
	e LR		09:51:34.94		LZ			IAML	09:12:31.43	HZ	0.060	0.6
	IAMs_20		10:24:23.78		LZ	0.402	18	MORF	e Pn	09:11:01.67	HZ	
PARRA	e PKPbc		08:51:35.25		BZ			e Sn	09:11:58.38	HN		
	e PKPab		08:51:45.26		BZ			IAML	09:12:04.33	HZ	0.022	0.2
MOE	e PKPdf		08:51:15.28		BZ			e Sg	09:12:29.81	HE		
	e PKPbc		08:51:33.02		BZ			PMTG	e Pn	09:11:02.04	HZ	
PESTR	e PKPbc		08:51:34.67		BZ			e Sn	09:11:57.86	HN		
	e PKPab		08:51:44.34		BZ			e Sg	09:12:30.07	HE		
EVO	e PKPbc		08:51:36.04		BZ			IAML	09:12:33.13	HZ	0.082	0.6
	e PKPab		08:51:44.60		BZ			PTEO	e Pn	09:11:02.39	HZ	
MESJ	e PKPdf		08:51:14.82		BZ			e Sn	09:11:58.97	HE		
	e PKPab		08:51:44.35		BZ			e Sg	09:12:29.40	HE		
PBEJ	e PKPab		08:51:44.63		SZ			PFVI	e Pn	09:11:03.41	HZ	
PCVE	e -		08:51:33.20		BZ			e Sn	09:12:02.45	HE		
	e PKPab		08:51:49.92		BZ			IAML	09:12:43.03	HZ	0.024	0.6
PBAR	e -		08:51:33.11		BZ			PSARD	e Pn	09:11:05.36	HZ	
PVAQ	e LR		09:49:33.77		LZ			e Sn	09:12:02.84	HE		
	IAMs_20		09:54:37.42		LZ	0.370	20	e Sg	09:12:33.70	HN		
PBDV	e PKPdf		08:51:21.06		BZ			IAML	09:12:40.43	HZ	0.141	0.7
								MTE	e Pn	09:11:06.68	HZ	
01-Jan	Ho	09:09:46.7			ML	3.5		e Sn	09:12:06.91	HE		
	Lat	36.983°N	Lon 02.393°W		Prof	6		e Sg	09:12:35.17	HN		
	Região: S Almeria (ESP)						Rms	0.5	IAML	09:12:38.78	HZ	0.113 0.6
	AxMax	2.3	AxMin	1.7	Ang	162	ErrZ	2				
Est	Fase	P	h:m:s	Dur	Co	Amp	Per	MVO	e Pn	09:11:09.13	HZ	
PBAR	e Pn		09:10:45.62		HZ			e Sn	09:12:10.32	HN		
	e Pg		09:10:57.39		HZ			e Sg	09:12:44.80	HN		
	e Sn		09:11:29.75		HE			IAML	09:12:53.16	HZ	0.071 0.6	
	e Sg		09:11:50.13		HN			PSBE	e Pn	09:11:10.76	HZ	
	IAML		09:11:56.61		HZ	0.074	0.5	e Sn	09:12:13.03	HE		
PVAQ	e Pn		09:10:50.66		HZ			e Sg	09:12:46.43	HE		
	e Sn		09:11:39.02		H1			IAML	09:12:54.90	HZ	0.051 0.8	
	e Sg		09:12:03.31		H2			PCAS	e Pn	09:11:11.52	HZ	
	IAML		09:12:10.20		HZ	0.038	0.8	e Sn	09:12:13.25	HN		
PBDV	e Pn		09:10:53.94		HZ			e Sg	09:12:48.18	HN		
	e Sn		09:11:43.16		HE			IAML	09:12:55.55	HZ	0.063 0.7	
	IAML		09:12:24.81		HZ	0.051	0.7	PVIS	e Pn	09:11:11.64	HZ	
								e Sn	09:12:14.54	HN		
								e Sg	09:12:47.82	HE		

PMAFR	e Pn	09:11:12.33	HZ		
	e Sn	09:12:15.96	HN		
	e Sg	09:12:51.12	HE		
	IAML	09:13:16.09	HZ	0.048	0.6
PVRL	e Pn	09:11:15.31	SZ		
	e Sn	09:12:20.94	SN		
	e Sg	09:12:56.39	SN		
	IAML	09:13:07.03	SZ	0.052	0.4
POLO	e Pn	09:11:16.80	HZ		
	e Sn	09:12:23.29	HE		
	e Sg	09:12:59.69	HN		
	IAML	09:13:09.92	HZ	0.022	0.4
PCAB	e Pn	09:11:21.86	EZ		
	e Sn	09:12:31.14	EE		
	e Sg	09:13:11.90	EN		
	IAML	09:13:19.74	EZ	0.044	0.7
PGAV	e Pn	09:11:26.05	HZ		
	e Sn	09:12:39.13	HN		
	e Sg	09:13:22.00	HE		
	IAML	09:13:24.53	HZ	0.046	0.6

01-Jan Ho 12:45:44.9 ML 0.6
Lat 37.500°N Lon 08.311°W Prof 6
Região: SW Ourique Rms 0.3
AxMax 2.4 AxMin 1.7 Ang 113 ErrZ 4

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PCVE	e Pg	12:45:49.66		HZ		
	e Sg	12:45:53.10		HN		
	IAML	12:45:54.41		HZ	0.004	0.3
PTEO	e Pg	12:45:50.91		HZ		
	e Sg	12:45:55.42		HN		
	IAML	12:45:56.96		HZ	0.005	0.8
MORF	e Pg	12:45:51.40		HZ		
	e Sg	12:45:56.12		HE		
	IAML	12:45:58.41		HZ	0.003	0.4
MESJ	e Pg	12:45:51.55		HZ		
	e Sg	12:45:56.11		HN		
	IAML	12:45:57.12		HZ	0.002	0.5
PBDV	e Pg	12:45:52.08		HZ		
	e Sg	12:45:57.96		HN		
PVAQ	e Pg	12:45:53.34		HZ		
	e Sg	12:46:00.17		H1		
	IAML	12:46:03.14		HZ	0.002	0.1
PFVI	e S	12:46:01.93		HN		
PBEJ	e S	12:46:05.15		EE		
MOE	e S	12:46:17.50		HN		
EVO	e S	12:46:18.37		HE		
	IAML	12:46:19.05		HZ	0.001	0.2
PBAR	e P	12:46:08.09		HZ		
	e S	12:46:23.08		HN		
	IAML	12:46:24.34		HZ	0.001	0.3
PARRA	e S	12:46:26.09		HE		
PMTG	e S	12:46:32.82		HE		

01-Jan Ho 13:11:30.3 ML 1.2
Lat 36.509°N Lon 07.435°W Prof 15
Região: Golfo de Cádiz Rms 0.3
AxMax 4.9 AxMin 4.6 Ang 162 ErrZ 4

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PBDV	e P	13:11:45.10		HZ		
	e S	13:11:56.84		HN		
	IAML	13:11:59.67		HZ	0.003	0.2
PVAQ	e P	13:11:46.50		HZ		
	e S	13:11:59.21		H2		
	IAML	13:12:02.70		HZ	0.003	0.1
PCVE	e P	13:11:51.04		HZ		
	e S	13:12:07.38		HN		
	IAML	13:12:15.12		HZ	0.003	0.3
MORF	e P	13:11:52.01		HZ		
	e S	13:12:08.20		HN		
	IAML	13:12:13.24		HZ	0.004	0.2
PFVI	e P	13:11:52.24		HZ		
	e S	13:12:07.44		HE		
PTEO	e S	13:12:12.54		HN		

MESJ	e P	13:11:54.75		HZ		
	e S	13:12:12.61		HE		
	IAML	13:12:21.27		HZ	0.002	0.2
PBAR	e S	13:12:19.68		HN		
	IAML	13:12:26.68		HZ	0.001	0.5
MOE	e S	13:12:30.26		HN		
PARRA	e P	13:12:06.53		HZ		
	e S	13:12:35.12		HN		
	IAML	13:12:37.71		HZ	0.001	0.4
PMTG	e P	13:12:10.93		HZ		
	e S	13:12:43.02		HN		
PMRV	e P	13:12:15.55		HZ		
	e S	13:12:49.30		HE		

01-Jan Ho 15:05:57.2 Distante (NEIC) Mw 4.8
Lat 51.202°N Lon 178.130°W Prof 38
Região: Andreanof Islands, Aleutian Is.

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PGAV	e P	15:18:36.80		BZ		
POLO	e P	15:18:39.94		BZ		
PVRL	e P	15:18:40.41		SZ		
PTO	e P	15:18:40.58		SZ		
MVO	e P	15:18:41.08		BZ		
PVIS	e P	15:18:42.93		BZ		
MTE	e P	15:18:44.51		BZ		
PCAS	e P	15:18:45.59		BZ		
PCBR	e P	15:18:46.69		SZ		
PSARD	e P	15:18:47.50		BZ		
PSBE	e P	15:18:47.84		BZ		
PMRV	e P	15:18:48.66		BZ		
PMTG	e P	15:18:49.79		BZ		
PMAFR	e P	15:18:50.09		BZ		
PESTR	e P	15:18:51.11		BZ		
PARRA	e P	15:18:50.96		BZ		
MOE	e P	15:18:51.84		BZ		
EVO	e P	15:18:52.34		BZ		
PBAR	e P	15:18:54.69		BZ		
PTEO	e P	15:18:57.05		BZ		
PVAQ	e P	15:18:57.95		BZ		

01-Jan Ho 15:18:11.7 ML 2.2
Lat 36.953°N Lon 13.405°W Prof 68
Região: Josephine Rms 0.3
AxMax 8.4 AxMin 7.1 Ang 119 ErrZ 16

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PFVI	e P	15:19:02.75		HZ		
	e S	15:19:41.60		HN		
	IAML	15:19:43.63		HZ	0.005	0.1
PTEO	e P	15:19:04.63		HZ		
	e S	15:19:44.24		HN		
	IAML	15:19:47.34		HZ	0.005	0.8
MORF	e P	15:19:05.14		HZ		
	e S	15:19:45.21		HE		
	IAML	15:19:52.63		HZ	0.005	0.1
PMAFR	e P	15:19:04.83		HZ		
	e S	15:19:45.33		HN		
	IAML	15:19:48.88		HZ	0.008	0.4
MESJ	e P	15:19:10.60		HZ		
	e S	15:19:54.99		HE		
	IAML	15:19:58.85		HZ	0.002	0.2
MOE	e P	15:19:11.36		HZ		
	e S	15:19:56.41		HN		
	IAML	15:19:58.99		HZ	0.004	0.6
PCVE	e P	15:19:11.92		HZ		
	e S	15:19:57.58		HE		
	IAML	15:20:06.10		HZ	0.001	0.2
PBDV	e P	15:19:13.20		HZ		
	e S	15:20:00.13		HN		
	IAML	15:20:06.94		HZ	0.004	0.9
PSBE	e P	15:19:15.53		HZ		
	e S	15:20:01.16		HN		
	IAML	15:20:04.54		HZ	0.002	0.3
PBEJ	e S	15:20:04.07		EN		
	IAML	15:20:06.59		EZ	0.002	0.3

EVO	e P	15:19:14.91	HZ			
	e S	15:20:02.29	HE			
	IAML	15:20:06.85	HZ	0.005	0.1	
PVAQ	e P	15:19:15.74	HZ			
	e S	15:20:02.66	H1			
	IAML	15:20:08.52	HZ	0.004	0.1	
PMTG	e P	15:19:15.33	HZ			
	e S	15:20:03.25	HN			
	IAML	15:20:11.39	HZ	0.002	0.4	
PARRA	e P	15:19:15.45	HZ			
	e S	15:20:03.98	HN			
	IAML	15:20:09.10	HZ	0.002	0.1	
PSARD	e P	15:19:20.26	HZ			
	e S	15:20:11.37	HE			
	IAML	15:20:14.99	HZ	0.005	0.4	
PCAS	e P	15:19:22.20	HZ			
	e S	15:20:11.72	HE			
	IAML	15:20:14.70	HZ	0.001	0.3	
PESTR	e S	15:20:13.20	HN			
	IAML	15:20:17.37	HZ	0.001	0.2	
PBAR	e S	15:20:19.52	HN			
	IAML	15:20:27.49	HZ	0.001	0.1	
PMRV	e S	15:20:21.77	HE			
	IAML	15:20:25.46	HZ	0.002	0.2	
PCBR	e S	15:20:24.90	EE			
PGAV	e P	15:19:41.18	HZ			
	e S	15:20:45.66	HE			

01-Jan	Ho	17:08:27.7	ML 2.1
	Lat	36.469°N	Lon 07.527°W
	Prof	12	Rms 0.5
	Região:	Golfo de Cádiz	ErrZ 5
	AxMax	5.6	AxMin 3.5
	Ang	36	ErrZ 5
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>
PBDV	e P	17:08:42.80	HZ
	e S	17:08:54.38	HE
	IAML	17:08:58.49	HZ
PVAQ	e P	17:08:44.15	HZ
	e S	17:08:57.22	H2
	IAML	17:08:58.09	HZ
MORF	e P	17:08:49.07	HZ
	e S	17:09:05.39	HE
	IAML	17:09:08.70	HZ
PCVE	e P	17:08:48.20	HZ
	e S	17:09:04.15	HE
	IAML	17:09:11.18	HZ
PFVI	e P	17:08:49.82	HZ
	e S	17:09:04.99	HN
	IAML	17:09:10.06	HZ
PTEO	e P	17:08:52.60	HZ
	e S	17:09:12.26	HE
	IAML	17:09:15.15	HZ
MESJ	e P	17:08:52.10	HZ
	e S	17:09:11.01	HN
	IAML	17:09:20.77	HZ
PBEJ	e Sn	17:09:12.75	EE
	e Sg	17:09:19.10	EN
	IAML	17:09:23.12	EZ
PBAR	e Pn	17:08:55.88	HZ
	e Sn	17:09:18.24	HN
	e Sg	17:09:22.49	HN
	IAML	17:09:29.52	HZ
EVO	e Sn	17:09:26.04	HN
	IAML	17:09:36.66	HZ
MOE	e Pn	17:09:01.40	HZ
	e Sn	17:09:27.93	HN
	e Sg	17:09:36.95	HN
	IAML	17:09:41.78	HZ
PARRA	e Pn	17:09:04.20	HZ
	e Sn	17:09:32.66	HE
	e Sg	17:09:44.55	HN
	IAML	17:09:52.39	HZ
PESTR	e Pn	17:09:04.58	HZ
	e Sn	17:09:32.68	HN
	IAML	17:09:44.45	HZ

PMTG	e Pn	17:09:08.14	HZ			
	e Sn	17:09:39.57	HE			
	e Sg	17:09:51.90	HE			
	IAML	17:10:01.93	HZ	0.005	0.4	
PMAFR	e Pn	17:09:11.06	HZ			
	e Sn	17:09:43.57	HN			
	e Sg	17:09:53.89	HN			
	IAML	17:10:03.99	HZ	0.010	0.3	
PMRV	e Pn	17:09:12.23	HZ			
	e Sn	17:09:47.13	HE			
	e Sg	17:10:01.47	HE			
	IAML	17:10:10.01	HZ	0.004	0.5	
PSARD	e Pn	17:09:15.32	HZ			
	e Sn	17:09:52.36	HE			
	IAML	17:09:53.75	HZ	0.007	0.2	
PSBE	e Pn	17:09:16.84	HZ			
	e Sn	17:09:52.78	HE			
	e Sg	17:10:10.63	HN			
	IAML	17:10:12.75	HZ	0.003	0.5	
PCBR	e Pn	17:09:17.96	EZ			
	e Sn	17:09:56.62	EE			
	IAML	17:10:22.07	EZ	0.002	0.3	

01-Jan	Ho	18:10:11.6	Distante (NEIC)	mb 5.2
	Lat	53.255°N	Lon 170.310°E	Prof 10
	Região:	Near Islands, Aleutian Islands		
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>
PGAV	e P	18:22:48.08	BZ	
POLO	e P	18:22:51.35	BZ	
PVRL	e P	18:22:52.85	SZ	
MVO	e P	18:22:53.18	BZ	
PVIS	e P	18:22:54.39	BZ	
PCAS	e P	18:22:57.61	BZ	
PCBR	e P	18:22:58.79	SZ	
PESTR	e P	18:23:03.09	BZ	
PARRA	e P	18:23:03.09	BZ	
EVO	e P	18:23:04.41	BZ	
MOE	e P	18:23:05.18	BZ	
PBAR	e P	18:23:06.60	BZ	

01-Jan	Ho	19:28:51.9	Distante (NEIC)	Mw 5.4
	Lat	32.974°S	Lon 178.329°W	Prof 18
	Região:	South of Kermadec Islands		
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>
PMOZ	e SS	20:13:58.02	LE	
	IAMs_20	21:16:21.66	LZ	0.525
PGAV	e PKPdf	19:49:00.51	BZ	
	e SS	20:14:41.87	LE	
	e LR	20:54:38.71	LZ	
	IAMs_20	21:12:32.63	LZ	0.641
PVIS	e PKPdf	19:49:00.92	BZ	
PCAS	e PKPdf	19:49:01.18	BZ	
MVO	e SS	20:15:04.55	LE	
	e LR	20:54:34.93	LZ	
	IAMs_20	21:11:50.38	LZ	0.837
MTE	e PKPdf	19:49:01.42	BZ	
	e SS	20:15:07.30	LE	
	e LR	20:53:20.65	LZ	
	IAMs_20	21:06:11.98	LZ	0.986
PSARD	e PKPdf	19:49:01.61	BZ	
PCBR	e PKPdf	19:49:01.76	SZ	
MOE	e PKPdf	19:49:01.90	BZ	
PARRA	e PKPdf	19:49:01.78	BZ	
PMRV	e PKPdf	19:49:01.42	BZ	
	e LR	20:54:46.51	LZ	
	IAMs_20	21:11:17.64	LZ	0.747
PTEO	e PKPdf	19:49:01.91	BZ	
EVO	e PKPdf	19:49:02.34	BZ	
PESTR	e PKPdf	19:49:01.65	BZ	
MESJ	e PKPdf	19:49:03.88	BZ	
PBEJ	e PKPdf	19:49:02.85	SZ	
PCVE	e PKPdf	19:49:02.72	BZ	
PBDV	e PKPdf	19:49:03.03	BZ	

PVAQ e PKPdf 19:49:02.48 BZ
e SS 20:15:26.54 L1
e LR 20:53:25.98 LZ
IAMS_20 21:03:58.99 LZ 0.685 18
PBAR e PKPdf 19:49:02.57 BZ

01-Jan Ho 22:52:15.1 ML 0.5
Lat 38.788°N Lon 07.967°W Prof 9
Região: NE Arraiolos Rms 0.3
AxMax 2.5 AxMin 2.3 Ang 84 ErrZ 4

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PARRA	e Pg	c 22:52:17.16		HZ		
	e Sg	22:52:18.88		HE		
	IAML	22:52:19.02		HZ	0.011	0.2
EVO	e Pg	22:52:20.00		HZ		
	e Sg	22:52:23.67		HN		
	IAML	22:52:24.05		HZ	0.007	0.1
PESTR	e Sg	22:52:25.10		HN		
PMTG	e Pg	22:52:21.38		HZ		
	e Sg	22:52:26.24		HN		
	IAML	22:52:26.25		HZ	0.001	0.2
MOE	e Pg	22:52:22.39		HZ		
	e Sg	22:52:27.84		HN		
	IAML	22:52:28.20		HZ	0.002	0.3
PBEJ	e Sg	22:52:39.07		EE		
PMRV	e Pg	22:52:30.38		HZ		
	e Sg	22:52:39.75		HN		
	IAML	22:52:41.50		HZ	0.001	0.3
PSARD	e P	22:52:30.33		HZ		
	e S	22:52:41.15		HE		
	IAML	22:52:43.91		HZ	0.003	0.2
PBAR	e P	22:52:32.30		HZ		
	e S	22:52:45.51		HE		
	IAML	22:52:46.32		HZ	0.001	0.1
MESJ	e S	22:52:45.64		HN		
PCVE	e P	22:52:36.41		HZ		
	e S	22:52:50.84		HE		
PVAQ	e S	22:52:58.50		H1		

01-Jan Ho 22:54:26.4 ML 1.5
Lat 36.598°N Lon 10.694°W Prof 31
Região: Gorringer Rms 0.3
AxMax 47.9 AxMin 5.1 Ang 58 ErrZ 63

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PFVI	i P	c 22:54:50.80		HZ		
	e S	22:55:08.87		HE		
	IAML	22:55:09.63		HZ	0.003	0.1
MORF	e P	c 22:54:53.53		HZ		
	e S	22:55:13.42		HE		
	IAML	22:55:15.86		HZ	0.003	0.2
PTEO	e P	22:54:54.39		HZ		
	e S	22:55:15.28		HN		
PBDV	e P	22:55:00.26		HZ		
	e S	22:55:26.53		HN		
	IAML	22:55:28.05		HZ	0.002	0.4
MESJ	e P	22:55:01.02		HZ		
	e S	22:55:27.51		HE		
PCVE	e P	22:55:01.59		HZ		
	e S	22:55:27.75		HN		
	IAML	22:55:31.84		HZ	0.001	0.4
PVAQ	e P	22:55:03.72		HZ		
	e S	22:55:30.98		H2		
	IAML	22:55:33.90		HZ	0.002	0.1
PMAFR	e P	22:55:04.65		HZ		
	e S	22:55:33.35		HE		
PBEJ	e S	22:55:35.05		EE		
MOE	e P	22:55:05.80		HZ		
	e S	22:55:35.84		HE		
EVO	e P	22:55:08.63		HZ		
	e S	22:55:40.63		HE		
PARRA	e P	22:55:10.80		HZ		
	e S	22:55:44.25		HN		
	IAML	22:55:47.96		HZ	0.001	0.4
PMTG	e P	22:55:11.88		HZ		
	e S	22:55:46.26		HN		

PSBE e P 22:55:14.93 HZ
e S 22:55:50.79 HE
PESTR e P 22:55:15.34 HZ
e S 22:55:53.03 HN
PSARD e P 22:55:18.51 HZ
e S 22:55:57.34 HN
IAML 22:55:59.73 HZ 0.002 0.1
PMRV e P 22:55:21.45 HZ
e S 22:56:03.13 HN
IAML 22:56:04.66 HZ 0.001 0.3
PCAS e S 22:56:04.49 HE

01-Jan Ho 23:55:27.4 ML 1.7
Lat 36.986°N Lon 03.855°W Prof 0
Região: SW Granada (ESP) Rms 0.4
AxMax 2.8 AxMin 2.1 Ang 16 ErrZ 4

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PBAR	e Pn	23:56:12.17		HZ		
	e Sn	23:56:46.02		HE		
	e Sg	23:56:56.28		HN		
	IAML	23:56:59.69		HZ	0.001	0.4
PVAQ	e Pn	23:56:15.96		HZ		
	e Sn	23:56:52.89		H2		
	IAML	23:57:18.94		HZ	0.002	0.6
PESTR	e Sn	23:57:03.40		HN		
	IAML	23:57:21.37		HZ	0.002	0.6
PMRV	e Pn	23:56:25.34		HZ		
	e Sg	23:57:25.84		HE		
	IAML	23:57:36.06		HZ	0.002	0.6
MORF	e Sn	23:57:11.80		HN		
PMTG	e Pn	23:56:30.62		HZ		
	e Sn	23:57:14.93		HN		
	IAML	23:57:43.61		HZ	0.002	0.7
PSARD	e Pn	23:56:32.99		HZ		
	e Sn	23:57:19.64		HE		
	IAML	23:57:49.96		HZ	0.003	0.5

02-Jan Ho 02:36:55.5 ML 0.9
Lat 37.994°N Lon 09.167°W Prof 1*
Região: W Sines Rms 0.4
AxMax 5.6 AxMin 2.5 Ang 85 ErrZ 0

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PTEO	e P	02:37:05.79		HZ		
	e S	02:37:13.25		HE		
	IAML	02:37:14.23		HZ	0.002	0.1
MESJ	e P	02:37:09.74		HZ		
	e S	02:37:19.85		HE		
	IAML	02:37:23.16		HZ	0.003	0.2
MORF	e P	02:37:10.02		HZ		
	e S	02:37:21.11		HE		
	IAML	02:37:23.04		HZ	0.003	0.3
MOE	e P	02:37:11.26		HZ		
	e S	02:37:22.66		HN		
	IAML	02:37:24.46		HZ	0.002	0.7
PFVI	e P	02:37:12.13		HZ		
	e S	02:37:24.53		HE		
	IAML	02:37:26.85		HZ	0.002	0.1
PCVE	e P	02:37:13.23		HZ		
	e S	02:37:26.25		HE		
	IAML	02:37:27.43		HZ	0.003	0.3
PMAFR	e P	02:37:13.14		HZ		
	e S	02:37:25.94		HN		
PBEJ	e S	02:37:28.15		EN		
	IAML	02:37:29.18		EZ	0.002	0.3
EVO	e P	02:37:14.54		HZ		
	e S	02:37:28.36		HN		
	IAML	02:37:29.54		HZ	0.002	0.1
PARRA	e P	02:37:17.10		HZ		
	e S	02:37:32.58		HN		
	IAML	02:37:33.69		HZ	0.001	0.2
PBDV	e S	02:37:34.15		HN		
PVAQ	e P	02:37:19.09		HZ		
	e S	02:37:36.75		H1		
	IAML	02:37:38.86		HZ	0.001	0.2

PMTG	e P	02:37:18.80	HZ		
	e S	02:37:35.34	HE		
	IAML	02:37:36.45	HZ	0.001	0.3
PESTR	e S	02:37:42.04	HE		
PBAR	e S	02:37:47.42	HN		
	IAML	02:37:51.34	HZ	0.001	0.5
PSARD	e S	02:37:50.28	HN		
	IAML	02:37:51.21	HZ	0.001	0.2
PMRV	e S	02:37:55.22	HE		

02-Jan Ho 04:29:06.5 Distante (NEIC) Mw 5.5
Lat 34.139°N Lon 60.279°E Prof 10
Região: Northern And Central Iran

Est	Fase	P h:m:s	Dur	Co	Amp	Per
MVO	i P	c 04:38:20.18	BZ			
	IAMB	04:38:21.37	BZ	0.084	1.0	
	e LR	04:55:45.21	LZ			
	IAMS_20	05:04:15.11	LZ	0.657	20	
POLO	i P	c 04:38:24.23	BZ			
	IAMB	04:38:25.79	BZ	0.050	1.2	
MTE	i P	c 04:38:25.20	BZ			
	IAMB	04:38:26.65	BZ	0.223	1.2	
	e LR	04:56:34.22	LZ			
	IAMS_20	05:06:23.39	LZ	0.582	20	
PCAB	i P	c 04:38:24.11	SZ			
	IAMB	04:38:26.44	SZ	0.111	1.4	
PGAV	i P	c 04:38:26.18	BZ			
	IAMB	04:38:27.51	BZ	0.147	1.4	
	e LR	04:56:31.65	LZ			
	IAMS_20	05:06:19.64	LZ	0.754	18	
PCBR	i P	c 04:38:25.45	SZ			
	IAMB	04:38:27.91	SZ	0.200	1.3	
PMRV	i P	c 04:38:25.88	BZ			
	IAMB	04:38:27.32	BZ	0.106	1.4	
	e LR	04:55:59.73	LZ			
	IAMS_20	05:04:46.15	LZ	0.492	20	
PVIS	i P	c 04:38:26.14	BZ			
PBAR	i P	c 04:38:25.98	BZ			
	IAMB	04:38:27.91	BZ	0.159	1.3	
PESTR	i P	c 04:38:27.91	BZ			
	IAMB	04:38:29.40	BZ	0.145	1.2	
PTO	e P	04:38:29.06	SZ			
	IAMB	04:38:33.72	SZ	0.078	1.6	
PSARD	i P	c 04:38:30.04	BZ			
	IAMB	04:38:31.46	BZ	0.214	1.2	
PCAS	e P	04:38:30.26	BZ			
PARRA	i P	c 04:38:30.36	BZ			
	IAMB	04:38:32.66	BZ	0.046	1.9	
PMTG	e P	c 04:38:30.78	BZ			
	IAMB	04:38:33.06	BZ	0.116	1.5	
EVO	i P	c 04:38:31.04	BZ			
	IAMB	04:38:32.71	BZ	0.121	1.1	
PBEJ	i P	c 04:38:31.33	SZ			
	IAMB	04:38:32.97	SZ	0.101	1.3	
PVAQ	i P	c 04:38:31.32	BZ			
	IAMB	04:38:33.19	BZ	0.128	1.3	
	e LR	04:56:42.28	LZ			
	IAMS_20	05:08:07.05	LZ	0.521	18	
MOE	i P	c 04:38:33.18	BZ			
	IAMB	04:38:34.76	BZ	0.180	1.4	
PSBE	i P	c 04:38:33.17	BZ			
	IAMB	04:38:35.36	BZ	0.128	1.3	
PCVE	i P	c 04:38:33.15	BZ			
	IAMB	04:38:34.64	BZ	0.129	1.4	
PBDV	i P	c 04:38:33.32	BZ			
	IAMB	04:38:34.96	BZ	0.072	1.7	
MESJ	i P	c 04:38:33.60	BZ			
	IAMB	04:38:35.28	BZ	0.061	1.4	
GGNV	i P	c 04:38:37.29	BZ			
	IAMB	04:38:38.93	BZ	0.166	1.4	
PTEO	i P	c 04:38:37.36	BZ			
	IAMB	04:38:38.89	BZ	0.110	1.2	
MORF	i P	c 04:38:36.24	BZ			
	IAMB	04:38:39.57	BZ	0.065	1.3	
PFVI	i P	c 04:38:38.69	BZ			

IAMB 04:38:40.27 BZ 0.149 1.3

02-Jan Ho 06:28:29.9 ML 2.1
Lat 36.597°N Lon 12.638°W Prof 31*
Região: Gorringer
AxMax 5.9 AxMin 4.4 Ang 89 ErrZ 0

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PFVI	e P	c 06:29:12.77		HZ		
	e S	06:29:45.24		HN		
	IAMB	06:29:48.14		HZ	0.010	0.4
MORF	e P	06:29:15.66		HZ		
	e S	06:29:48.87		HE		
	IAMB	06:29:51.06		HZ	0.007	0.1
PTEO	e P	06:29:15.07		HZ		
	e S	06:29:48.47		HN		
	IAMB	06:29:52.33		HZ	0.005	0.5
PMAFR	e P	06:29:19.73		HZ		
MESJ	e P	06:29:22.25		HZ		
	e S	06:30:00.59		HN		
	IAMB	06:30:05.72		HZ	0.003	0.4
PBDV	e P	06:29:23.05		HZ		
	e S	06:30:04.60		HN		
	IAMB	06:30:11.75		HZ	0.004	0.9
PCVE	e P	06:29:22.85		HZ		
	e S	06:30:03.20		HN		
	IAMB	06:30:07.39		HZ	0.003	0.2
MOE	e P	c 06:29:23.74		HZ		
	e S	06:30:05.10		HN		
	IAMB	06:30:09.22		HZ	0.003	0.6
PVAQ	e P	06:29:26.14		HZ		
	e S	06:30:07.90		HZ		
	IAMB	06:30:10.22		HZ	0.004	0.5
PBEJ	e S	06:30:08.35		EN		
	IAMB	06:30:09.52		EZ	0.002	0.5
EVO	e P	06:29:27.55		HZ		
	e S	06:30:10.27		HN		
	IAMB	06:30:16.33		HZ	0.004	0.1
PSBE	e P	06:29:28.53		HZ		
	e S	06:30:13.05		HN		
PARRA	e P	06:29:28.15		HZ		
	e S	06:30:13.39		HE		
	IAMB	06:30:23.93		HZ	0.001	0.4
PMTG	e P	06:29:28.72		HZ		
	e S	06:30:13.88		HN		
	IAMB	06:30:20.38		HZ	0.002	0.4
PESTR	e P	06:29:33.67		HZ		
	e S	06:30:21.60		HN		
	IAMB	06:30:25.98		HZ	0.001	0.4
PSARD	e P	06:29:34.40		HZ		
	e S	06:30:22.07		HN		
	IAMB	06:30:28.06		HZ	0.003	0.9
PBAR	e P	06:29:35.81		HZ		
	e S	06:30:24.24		HN		
	IAMB	06:30:27.38		HZ	0.002	0.2
PCAS	e P	06:29:35.51		HZ		
	e S	06:30:25.18		HN		
	IAMB	06:30:46.25		HZ	0.003	0.6
PMRV	e P	06:29:38.92		HZ		
	e S	06:30:31.84		HN		
	IAMB	06:30:35.70		HZ	0.001	0.1
PCBR	e P	06:29:41.79		EZ		
PVIS	e P	06:29:46.17		HZ		
	e S	06:30:43.62		HN		
POLO	e P	06:29:54.12		HZ		
	e S	06:30:55.94		HE		
	IAMB	06:30:59.55		HZ	0.001	0.6
PCAB	e P	06:29:56.47		EZ		
	e S	06:31:00.61		EE		
MVO	e P	06:29:56.62		HZ		
	e S	06:31:01.98		HE		
	IAMB	06:31:15.30		HZ	0.002	0.9
PGAV	e P	06:29:58.18		HZ		
	e S	06:31:02.67		HE		
	IAMB	06:31:08.85		HZ	0.002	0.8

02-Jan	Ho	08:57:39.4			ML 0.4
	Lat	37.292°N	Lon	08.556°W	Prof 12
	Região:	SE Monchique			Rms 0.4
	AxMax	4.7	AxMin	4.2	Ang 163
					ErrZ 11
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp Per</i>
MORF	e Pg	08:57:41.39		HZ	
	e Sg	08:57:44.03		HE	
	IAML	08:57:44.79		HZ	0.006 0.2
PFVI	e Pg	08:57:44.58		HZ	
	e Sg	08:57:48.60		HE	
	IAML	08:57:49.07		HZ	0.004 0.2
PTEO	e Sg	08:57:48.70		HN	
PBDV	e Pg	08:57:48.95		HZ	
	e Sg	08:57:55.05		HE	
PCVE	e Sg	08:57:55.24		HE	
	IAML	08:57:59.13		HZ	0.002 0.2
MESJ	e Sg	08:57:59.19		HE	
PVAQ	e Pg	08:57:52.35		HZ	
	e Sg	08:58:00.71		H1	
	IAML	08:58:01.45		HZ	0.001 0.1

02-Jan	Ho	08:54:32.6	Distante (NEIC)	Mw 4.8
	Lat	55.543°N	Lon 151.428°W	Prof 11
	Região:	South of Alaska		
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>
PGAV	e P	09:06:30.91		BZ
POLO	e P	09:06:34.89		BZ
	IAMB	09:06:47.59		BZ
				0.018 1.5
PTO	e P	09:06:34.95		SZ
PVRL	e P	09:06:35.60		SZ
MVO	e P	09:06:36.94		BZ
	IAMB	09:06:37.77		BZ
				0.033 1.3
PVIS	e P	09:06:37.96		BZ
MTE	e P	09:06:39.99		BZ
	IAMB	09:06:55.33		BZ
				0.035 1.9
PCAS	e P	09:06:40.29		BZ
	IAMB	09:06:54.82		BZ
				0.050 1.7
PSBE	e P	09:06:43.07		BZ
	IAMB	09:06:43.37		BZ
				0.054 1.5
PCBR	e P	09:06:42.61		SZ
	IAMB	09:06:44.29		SZ
				0.024 1.2
PSARD	e P	09:06:42.93		BZ
	IAMB	09:06:44.35		BZ
				0.039 1.5
PMAFR	e P	09:06:44.92		BZ
	IAMB	09:06:45.26		BZ
				0.091 1.1
PMRV	e P	09:06:45.76		BZ
	IAMB	09:06:46.15		BZ
				0.020 1.4
PMTG	e P	09:06:45.03		BZ
	IAMB	09:06:46.02		BZ
				0.019 1.3
PARRA	e P	09:06:46.82		BZ
	IAMB	09:06:46.98		BZ
				0.023 1.1
PESTR	e P	09:06:47.56		BZ
	IAMB	09:06:59.76		BZ
				0.024 1.6
MOE	e P	09:06:47.95		BZ
	IAMB	09:06:49.38		BZ
				0.049 1.4
EVO	e P	09:06:48.63		BZ
	IAMB	09:06:49.11		BZ
				0.029 1.4
PBEJ	e P	09:06:51.30		SZ
MESJ	e P	09:06:51.81		BZ
PBAR	e P	09:06:52.24		BZ
	IAMB	09:06:52.32		BZ
				0.027 1.4
PCVE	e P	09:06:53.37		BZ
MORF	e P	09:06:52.98		BZ
PFVI	e P	09:06:54.50		BZ
PVAQ	e P	09:06:54.66		BZ
	IAMB	09:07:04.28		BZ
				0.039 1.7
PBDV	e P	09:06:55.89		BZ

02-Jan	Ho	10:28:42.1			ML 1.2
	Lat	36.473°N	Lon	09.824°W	Prof 9
	Região:	SW Cabo S.Vicente			Rms 0.3
	AxMax	17.1	AxMin	13.2	Ang 101
					ErrZ 10
<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	10:29:00.58		HZ	
	e S	10:29:14.83		HN	

		IAML	10:29:27.75	HZ	0.003 0.5
MORF	e S		10:29:20.46	HN	
	IAML		10:29:20.81	HZ	0.003 0.1
PTEO	e S		10:29:23.48	HE	
	IAML		10:29:31.04	HZ	0.002 0.3
PCVE	e S		10:29:34.78	HN	
	IAML		10:29:36.11	HZ	0.002 0.4
PVAQ	e P		10:29:13.46	HZ	
	e S		10:29:36.44	H2	
	IAML		10:29:38.24	HZ	0.002 0.1
PARRA	e S		10:29:56.14	HE	
	IAML		10:30:06.22	HZ	0.001 0.6
PBAR	e S		10:29:58.00	HN	
	IAML		10:29:58.61	HZ	0.001 0.2
PMTG	e S		10:29:59.45	HE	

02-Jan	Ho	10:43:18.3			ML 1.5
	Lat	36.733°N	Lon	11.076°W	Prof 30*
	Região:	Gorringe			Rms 0.3
	AxMax	8.4	AxMin	6.8	Ang 83
					ErrZ 0
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp Per</i>
PFVI	e P	10:43:46.18		HZ	
	e S	10:44:07.53		HN	
	IAML	10:44:08.72		HZ	0.003 0.2
MORF	e P	10:43:48.90		HZ	
	e S	10:44:11.76		HN	
	IAML	10:44:13.76		HZ	0.003 0.2
MESJ	e S	10:44:23.38		HE	
	IAML	10:44:24.26		HZ	0.002 0.5
PCVE	e P	10:43:57.82		HZ	
	e S	10:44:25.20		HN	
	IAML	10:44:30.24		HZ	0.002 0.4
PMAFR	e P	10:43:57.25		HZ	
	e S	10:44:26.64		HN	
PVAQ	e P	10:43:59.31		HZ	
	e S	10:44:29.81		H2	
	IAML	10:44:32.92		HZ	0.001 0.2
EVO	e S	10:44:35.53		HN	
	IAML	10:44:38.91		HZ	0.003 0.1
PARRA	e P	10:44:04.00		HZ	
	e S	10:44:39.32		HN	
	IAML	10:44:40.91		HZ	0.001 0.2
PMTG	e S	10:44:40.48		HN	
PBAR	e P	10:44:09.77		HZ	
	e S	10:44:47.77		HN	
	IAML	10:44:48.23		HZ	0.001 0.7
PMRV	e S	10:44:57.61		HE	

02-Jan	Ho	11:25:04.4	Distante (NEIC)	Mw 5.5
	Lat	05.730°S	Lon 124.991°E	Prof 10
	Região:	Banda Sea		
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>
POLO	e PKPdf	11:44:05.87		BZ
PGAV	e PKPdf	11:44:05.60		BZ
MTE	e PKPdf	11:44:06.39		BZ
PVIS	e PKPdf	11:44:06.44		BZ
PCBR	e PKPdf	11:44:06.53		SZ
PMRV	e PKPdf	11:44:06.78		BZ
PBAR	e PKPdf	11:44:07.59		BZ
PARRA	e PKPdf	11:44:08.04		BZ
PMTG	e PKPdf	11:44:08.22		BZ
MOE	e PKPdf	11:44:09.01		BZ
PVAQ	e PKPdf	11:44:11.96		BZ
PCVE	e PKPdf	11:44:09.52		BZ
MESJ	e PKPdf	11:44:09.76		BZ
MORF	e PKPdf	11:44:11.14		BZ
PFVI	e PKPdf	11:44:11.04		BZ

02-Jan	Ho	13:41:31.3	Distante (NEIC)	mb 5.5
	Lat	09.655°S	Lon 159.919°E	Prof 32
	Região:	Solomon Islands		
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>
PGAV	e PKP	14:01:09.61		BZ
	i -	14:01:21.36		BZ

MVO	e PKP	14:01:10.80	BZ
	i -	14:01:22.50	BZ
POLO	e PKP	14:01:11.36	BZ
	i -	14:01:21.46	BZ
PVIS	e PKP	14:01:12.83	BZ
	i -	14:01:22.74	BZ
MTE	e PKP	14:01:13.63	BZ
	i -	14:01:24.47	BZ
PCAS	e PKP	14:01:15.02	BZ
	i -	14:01:24.88	BZ
PMRV	e PKP	14:01:15.54	BZ
	i -	14:01:25.82	BZ
PSARD	e PKP	14:01:15.68	BZ
	i -	14:01:27.06	BZ
PSBE	e PKP	14:01:16.75	BZ
PESTR	e PKP	14:01:17.06	BZ
PMTG	e PKP	14:01:16.77	BZ
	i -	14:01:27.64	BZ
PARRA	e PKP	14:01:17.53	BZ
EVO	e PKP	14:01:18.16	BZ
	i -	14:01:29.22	BZ
PBAR	e PKP	14:01:18.06	BZ
	i -	14:01:29.53	BZ
MOE	e PKP	14:01:18.46	BZ
	i -	14:01:29.64	BZ
PBEJ	e PKP	14:01:19.38	SZ
	i -	14:01:31.01	SZ
MESJ	e PKP	14:01:20.03	BZ
PCVE	e PKP	14:01:20.48	BZ
	i -	14:01:31.23	BZ
PVAQ	e PKP	14:01:12.42	BZ
PBDV	e PKP	14:01:21.44	BZ
	i -	14:01:31.80	BZ
MORF	e PKP	14:01:21.91	BZ
	i -	14:01:32.70	BZ
PFVI	e PKP	14:01:21.99	BZ

02-Jan	Ho	17:25:45.9	ML 2.0
	Lat	37.361°N	Lon 03.596°W
	Prof	23*4	Rms 0.4
	Região:	N Granada (ESP)	ErrZ 0
	AxMax	2.4	AxMin 1.7
	Ang	171	ErrZ 0
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur Co Amp Per</i>
PBAR	e Pn	17:26:28.77	HZ
	e Sn	17:27:01.15	HE
	e Sg	17:27:13.93	HE
	IAML	17:27:19.17	HZ 0.005 0.3
PVAQ	e Pn	17:26:35.05	HZ
	e Sn	17:27:12.00	H1
	e Sg	17:27:26.93	H2
	IAML	17:27:35.53	HZ 0.002 0.6
PBDV	e Sn	17:27:16.75	HE
PESTR	e Sn	17:27:16.64	HE
	e Sg	17:27:34.14	HN
	IAML	17:27:37.94	HZ 0.003 0.5
PCVE	e Pn	17:26:38.80	HZ
	e Sn	17:27:18.65	HE
	e Sg	17:27:35.21	HN
	IAML	17:27:42.01	HZ 0.002 0.6
PMRV	e Pn	17:26:40.52	HZ
	e Sn	17:27:20.67	HE
	e Sg	17:27:37.23	HE
	IAML	17:27:45.65	HZ 0.002 0.5
MESJ	e Pn	17:26:40.99	HZ
PARRA	e Sn	17:27:23.65	HE
	e Sg	17:27:42.78	HE
	IAML	17:27:50.67	HZ 0.002 0.2
MOE	e Sn	17:27:27.40	HN
	e Sg	17:27:48.97	HE
	IAML	17:27:53.64	HZ 0.003 1.0
MORF	e Pn	17:26:45.14	HZ
	e Sn	17:27:30.17	HE
PMTG	e Sn	17:27:28.24	HN
	e Sg	17:27:49.25	HN
	IAML	17:27:57.58	HZ 0.004 0.4

PFVI	e Pn	17:26:47.61	HZ
	e Sn	17:27:33.31	HN
PSARD	e Sn	17:27:34.07	HN
	e Sg	17:27:56.73	HN
	IAML	17:27:59.70	HZ 0.005 0.6

02-Jan	Ho	18:23:51.0	Distante (NEIC)	Mw 5.6
	Lat	35.803°N	Lon 141.134°E	Prof 17
	Região:	Near East Coast of Honshu, Japan		
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur Co</i>	<i>Amp Per</i>
PGAV	e PP	18:41:22.53	LZ	
	e LR	19:15:11.33	LZ	
	IAMs_20	19:24:32.63	LZ	1.715 20
MVO	e LQ	19:08:59.98	LE	
	e LR	19:17:41.58	LZ	
MTE	e LQ	19:09:07.24	LE	
	e LR	19:16:30.41	LZ	
PMRV	e LQ	19:08:50.51	LE	
	e LR	19:16:32.77	LZ	
	IAMs_20	19:27:52.32	LZ	2.152 18
PVAQ	e PP	18:41:27.57	LZ	
	e LQ	19:10:58.85	L2	
	e LR	19:20:05.78	LZ	
	IAMs_20	19:28:41.60	LZ	4.709 20
PMOZ	e LR	19:26:35.54	LZ	
	IAMs_20	19:32:08.70	LZ	1.408 20

02-Jan	Ho	19:52:04.2				ML 2.3	
	Lat	39.798°N		Lon	09.490°W		Prof 11
	Região: W S. Pedro de Muel				Rms 0.5		
	AxMax	4.1	AxMin	1.6	Ang	94	ErrZ 3
Est	Fase	P h:m:s		Dur	Co		
PSBE	e Pg	d 19:52:15.36			HZ		
	e Sg	19:52:24.09			HN		
	IAML	19:52:27.12			HZ	0.058	0.6
PCAS	e P	19:52:18.83			HZ		
	e S	19:52:29.44			HN		
	IAML	19:52:31.37			HZ	0.065	0.3
PMAFR	e P	c	19:52:19.63		HZ		
	e S	19:52:30.92			HE		
	IAML	19:52:32.94			HZ	0.124	0.2
PSARD	e P	19:52:22.86			HZ		
	e S	19:52:37.34			HN		
	IAML	19:52:38.99			HZ	0.100	0.2
PMTG	e P	19:52:25.26			HZ		
	e S	19:52:42.19			HE		
	IAML	19:52:44.23			HZ	0.024	0.2
PARRA	e Pn	19:52:28.69			HZ		
	e Pg	19:52:31.03			HZ		
	e Sg	19:52:50.20			HN		
PVIS	IAML	19:52:53.59			HZ	0.018	0.2
	e Pn	19:52:29.35			HZ		
	e Pg	19:52:31.88			HZ		
MOE	e Sn	19:52:49.57			HN		
	e Sg	19:52:53.21			HN		
	e Pn	19:52:29.46			HZ		
PCBR	e Pg	19:52:31.85			HZ		
	e Sg	19:52:51.42			HN		
	IAML	19:52:52.37			HZ	0.058	0.2
MTE	e Pg	19:52:32.18			EZ		
	e Sn	19:52:48.07			EE		
	e Sg	19:52:52.27			EN		
PMRV	IAML	19:52:54.94			EZ	0.025	0.3
	e Pn	19:52:31.04			HZ		
	e Pg	19:52:32.93			HZ		
EVO	e Sg	19:52:54.43			HN		
	IAML	19:52:55.79			HZ	0.044	0.3
	e Pn	c	19:52:30.89		HZ		
	e Pg	19:52:33.46			HZ		
	e Sg	19:52:55.60			HN		
	IAML	19:52:57.66			HZ	0.020	0.1
	e Pg	19:52:34.48			HZ		
	e Sg	19:52:56.61			HE		
	IAML	19:52:59.20			HZ	0.030	0.1

PESTR	e Pn	19:52:32.34	HZ		
	e Pg	19:52:35.28	HZ		
	e Sg	19:52:56.96	HN		
	IAML	19:53:01.23	HZ	0.012	0.2
PVRL	e Pn	19:52:35.92	SZ		
	e Pg	19:52:39.94	SZ		
	e Sg	19:53:05.61	SN		
POLO	e Pn	19:52:36.50	HZ		
	e Pg	19:52:40.14	HZ		
	e Sn	19:53:00.45	HE		
	e Sg	19:53:07.73	HE		
	IAML	19:53:13.66	HZ	0.005	0.2
PBEJ	e Pn	19:52:38.17	EZ		
	e Sg	19:53:10.44	EE		
	IAML	19:53:14.53	EZ	0.007	0.2
MESJ	e Pn	19:52:39.57	HZ		
	e Pg	19:52:43.32	HZ		
	e Sg	19:53:11.15	HE		
	IAML	19:53:15.07	HZ	0.010	0.3
PCAB	e Pn	19:52:38.72	EZ		
	e Sg	19:53:10.83	EN		
MVO	e Pn	19:52:40.33	HZ		
	e Pg	19:52:45.92	HZ		
	e Sn	19:53:08.43	HN		
	e Sg	19:53:16.08	HE		
	IAML	19:53:21.04	HZ	0.014	0.3
PTEO	e Pn	19:52:40.98	HZ		
	e Pg	19:52:46.70	HZ		
	e Sg	19:53:15.54	HE		
	IAML	19:53:18.51	HZ	0.011	0.5
PCVE	e Pn	19:52:41.95	HZ		
	e Pg	19:52:48.07	HZ		
	e Sg	19:53:19.60	HN		
	IAML	19:53:23.35	HZ	0.009	0.3
PBAR	e Pn	19:52:43.46	HZ		
	e Pg	19:52:48.64	HZ		
	e Sg	19:53:22.59	HN		
	IAML	19:53:26.85	HZ	0.007	0.1
MORF	e Pg	19:52:51.62	HZ		
	e Sn	19:53:13.82	HE		
PFVI	e Pn	19:52:46.36	HZ		
	e Sn	19:53:17.63	HE		
	e Sg	19:53:27.07	HE		
	IAML	19:53:30.45	HZ	0.005	0.5
FVAQ	e Pn	19:52:46.81	HZ		
	e Pg	19:52:54.44	HZ		
	e Sn	19:53:18.41	H1		
	e Sg	19:53:28.00	H1		
	IAML	19:53:30.47	HZ	0.007	0.3
PBDV	e Pn	19:52:48.08	HZ		
	e Sn	19:53:21.93	HN		
	e Sg	19:53:30.74	HE		
	IAML	19:53:36.18	HZ	0.005	0.2

02-Jan	Ho	20:14:02.5	ML 1.8		
	Lat	36.696°N	Lon	11.322°W	Prof 42*
	Região: Gorringe				Rms 0.5
	AxMax	8.8	AxMin	4.6	Ang 91 ErrZ 0
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp Per</i>
PFVI	e P	20:14:32.43		HZ	
	e S	20:14:55.66		HN	
	IAML	20:14:58.02		HZ	0.006 0.8
MORF	e P	20:14:35.50		HZ	
	e S	20:14:58.87		HE	
	IAML	20:15:02.01		HZ	0.004 0.2
PTEO	e P	20:14:35.96		HZ	
	e S	20:15:00.93		HE	
	IAML	20:15:02.98		HZ	0.005 0.4
MESJ	e S	20:15:12.37		HN	
	IAML	20:15:17.40		HZ	0.002 0.6
PBDV	e P	20:14:44.32		HZ	
	e S	20:15:14.15		HE	
	IAML	20:15:16.54		HZ	0.001 0.1
PMAFR	e P	20:14:43.24		HZ	
	e S	20:15:13.50		HE	

	IAML	20:15:15.76	HZ	0.012	0.2
PCVE	e P	20:14:43.33	HZ		
	e S	20:15:13.50	HN		
	IAML	20:15:15.63	HZ	0.002	0.2
PVAQ	e P	20:14:45.86	HZ		
	e S	20:15:18.47	H1		
	IAML	20:15:22.07	HZ	0.002	0.1
MOE	e P	20:14:45.72	HZ		
	e S	20:15:18.63	HN		
	IAML	20:15:22.24	HZ	0.003	0.2
EVO	e S	20:15:24.03	HE		
	IAML	20:15:26.56	HZ	0.003	0.2
PARRA	e P	20:14:50.90	HZ		
	e S	20:15:27.16	HN		
	IAML	20:15:32.35	HZ	0.001	0.3
PMTG	e P	20:14:51.99	HZ		
	e S	20:15:28.39	HE		
PSBE	e P	20:14:52.80	HZ		
	e S	20:15:30.11	HE		
	IAML	20:15:33.94	HZ	0.003	0.4
PESTR	e S	20:15:35.71	HE		
PBAR	e P	20:14:56.67	HZ		
	e S	20:15:35.92	HN		
	IAML	20:15:40.44	HZ	0.001	0.2
PCAS	e S	20:15:43.52	HN		
PMRV	e P	20:15:01.09	HZ		
	e S	20:15:45.07	HN		
	IAML	20:15:47.51	HZ	0.002	0.2
PCBR	e S	20:15:51.98	EE		
POLO	e S	20:16:15.81	HN		
MVO	e S	20:16:20.50	HN		
	IAML	20:16:21.42	HZ	0.001	0.1
PGAV	e S	20:16:24.78	HE		

02-Jan	Ho	20:42:02.3	Distante (NEIC)	ML 4.5
	Lat	17.915°N	Lon	66.833°W
	Região: Puerto Rico Region			
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>
PFVI	e P	20:51:31.54		BZ
PSBE	e P	20:51:35.90		BZ
MOE	e P	20:51:34.81		BZ
MESJ	e P	20:51:37.28		BZ
PCVE	e P	20:51:33.30		BZ
PBDV	e P	20:51:36.46		BZ
EVO	e P	20:51:34.58		BZ
PARRA	e P	20:51:33.36		BZ
PVAQ	e P	20:51:39.14		BZ
PESTR	e P	20:51:40.41		BZ
PMRV	e P	20:51:37.54		BZ
PBAR	e P	20:51:41.96		BZ
MVO	e P	20:51:43.97		BZ

02-Jan	Ho	22:38:02.7	ML 1.0		
	Lat	36.962°N	Lon	08.386°W	Prof 13*
	Região: SW Albufeira				Rms 0.3
	AxMax	4.4	AxMin	2.6	Ang 7 ErrZ 0
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp Per</i>
PFVI	i Pg	d 22:38:09.84		HZ	
	e Sg	22:38:15.46		HE	
MORF	e Pg	d 22:38:10.14		HZ	
	e Sg	22:38:15.81		HN	
	IAML	22:38:17.03		HZ	0.010 0.1
PBDV	e Pg	22:38:11.48		HZ	
	e Sg	22:38:17.69		HN	
	IAML	22:38:19.73		HZ	0.004 0.2
PTEO	e Pg	22:38:14.86		HZ	
	e Sg	22:38:23.01		HN	
	IAML	22:38:24.05		HZ	0.003 0.1
PVAQ	e P	22:38:15.10		HZ	
	e S	22:38:24.31		H2	
	IAML	22:38:25.09		HZ	0.006 1.8
PCVE	e P	22:38:15.98		HZ	
	e S	22:38:25.50		HN	
	IAML	22:38:27.46		HZ	0.001 0.1

MESJ	e P	22:38:18.88	HZ		
	e S	22:38:29.73	HN		
	IAML	22:38:31.71	HZ	0.003	0.2
MOE	e Pg	22:38:31.60	HZ		
	e Sg	22:38:49.65	HN		
	IAML	22:38:53.11	HZ	0.002	0.2
EVO	e Sg	22:38:52.24	HE		
PARRA	e Pg	22:38:37.05	HZ		
	e Sg	22:39:00.20	HE		
PMTG	e Sg	22:39:08.42	HE		

03-Jan	Ho	00:28:48.0			ML 1.0
	Lat	36.501°N	Lon	07.702°W	Prof 33
	Região:	Golfo de Cádiz			Rms 0.6
	AxMax	6.3	AxMin	4.4	Ang 176
					ErrZ -
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp Per</i>
PBDV	e P	00:29:01.03		HZ	
	e S	00:29:11.17		HE	
	IAML	00:29:12.18		HZ	0.001 0.1
PVAQ	e P	00:29:03.02		HZ	
	e S	00:29:14.03		HZ	
	IAML	00:29:15.41		HZ	0.003 0.1
PFVI	e P	00:29:05.39		HZ	
	e S	00:29:19.03		HN	
MORF	e P	00:29:05.76		HZ	
PCVE	e P	00:29:06.94		HZ	
	e S	00:29:21.08		HN	
	IAML	00:29:21.83		HZ	0.002 0.2
PTEO	e P	00:29:08.85		HZ	
	e S	00:29:25.11		HE	
MESJ	e P	00:29:10.51		HZ	
	e S	00:29:26.05		HE	
	IAML	00:29:32.81		HZ	0.002 0.2
PBAR	e S	00:29:35.77		HE	
MOE	e P	00:29:19.71		HZ	
	e S	00:29:43.36		HN	
PARRA	e P	00:29:22.93		HZ	
	e S	00:29:49.48		HN	
PESTR	e S	00:29:50.74		HN	
PMTG	e P	00:29:26.91		HZ	
	e S	00:29:56.05		HE	
PMRV	e P	00:29:31.01		HZ	
	e S	00:30:03.88		HE	
PSARD	e P	00:29:34.02		HZ	
	e S	00:30:09.08		HE	

03-Jan	Ho	01:19:10.5	Distante (NEIC)	mb 4.9
	Lat	40.248°N	Lon	139.330°E
	Região:	Near West Coast of Honshu, Japan		Prof 194
	AxMax	3.6	AxMin	3.2
			Ang	83
				ErrZ 5
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>
MVO	e P	01:32:03.01		BZ
POLO	e P	01:32:03.76		BZ
PVRL	e P	01:32:03.64		SZ
PMRV	e P	01:32:10.99		BZ
PSBE	e P	01:32:12.52		BZ
PESTR	e P	01:32:12.99		BZ
PARRA	e P	01:32:13.81		BZ
EVO	e P	01:32:15.04		BZ
PBAR	e P	01:32:15.04		BZ
MESJ	e P	01:32:18.15		BZ
PCVE	e P	01:32:19.54		BZ
PVAQ	e P	01:32:19.39		BZ
PTEO	e P	01:32:20.54		BZ

03-Jan	Ho	02:43:44.7			ML 1.1
	Lat	42.369°N	Lon	08.556°W	Prof 4
	Região:	SE Pontevedra (ESP)			Rms 0.4
	AxMax	3.6	AxMin	3.2	Ang 83
					ErrZ 5
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp Per</i>
PGAV	e Pg	02:43:53.32		HZ	
	e Sg	02:43:59.62		HN	
	IAML	02:44:00.21		HZ	0.012 0.2
PCAB	e S	02:44:09.44		EN	
	IAML	02:44:11.27		EZ	0.006 0.1

POLO	e P	02:44:06.25		HZ	
	e S	02:44:20.64		HN	
	IAML	02:44:22.91		HZ	0.001 0.1
PVRL	e S	02:44:24.11		SN	
	IAML	02:44:25.81		SZ	0.002 0.1
MVO	e Sg	02:44:37.91		HE	
PVIS	e Sg	02:44:39.20		HE	
MTE	e Sg	02:44:50.51		HN	

03-Jan	Ho	03:18:49.7			ML 0.3
	Lat	39.738°N	Lon	08.742°W	Prof 10
	Região:	E Leiria			Rms 0.3
	AxMax	4.7	AxMin	2.1	Ang 102
					ErrZ 4
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp Per</i>
PSBE	e Pg	03:18:53.77		HZ	
	e Sg	03:18:57.48		HE	
	IAML	03:18:58.76		HZ	0.001 0.1
PCAS	e Pg	03:18:56.75		HZ	
	e Sg	03:19:01.66		HN	
	IAML	03:19:03.19		HZ	0.001 0.1
PSARD	e Pg	03:18:59.09		HZ	
	e Sg	03:19:04.51		HE	
	IAML	03:19:08.71		HZ	0.003 0.1
PMTG	e P	03:19:03.59		HZ	
	e S	03:19:14.59		HN	
	IAML	03:19:15.11		HZ	0.001 0.1
PCBR	e S	03:19:20.65		EE	
	IAML	03:19:23.91		EZ	0.000 0.1
PARRA	e P	03:19:08.63		HZ	
	e S	03:19:23.24		HN	
PMRV	e P	03:19:09.66		HZ	
	e S	03:19:23.67		HN	
	IAML	03:19:25.36		HZ	0.000 0.1
PVIS	e S	03:19:26.05		HN	
MOE	e P	03:19:11.71		HZ	
	e S	03:19:28.02		HN	
	IAML	03:19:28.55		HZ	0.002 0.3

03-Jan	Ho	03:41:15.2	Distante (NEIC)	ML 4.7
	Lat	17.901°N	Lon	66.826°W
	Região:	Puerto Rico Region		Prof 2
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>
PFVI	e P	03:50:42.42		BZ
PTEO	e P	03:50:42.33		BZ
MORF	e P	03:50:43.27		BZ
PSBE	e P	03:50:43.44		BZ
MOE	e P	03:50:45.60		BZ
PCAS	e P	03:50:45.66		BZ
PBDV	e P	03:50:47.57		BZ
EVO	e P	03:50:47.37		BZ
PARRA	e P	03:50:47.81		BZ
PESTR	e P	03:50:49.90		BZ
PMRV	e P	03:50:51.29		BZ
PBAR	e P	03:50:51.53		BZ
MVO	e P	03:50:54.88		BZ

03-Jan	Ho	06:12:47.0			ML 1.0
	Lat	40.789°N	Lon	08.107°W	Prof 12
	Região:	NW S. Pedro do Sul			Rms 0.5
	AxMax	5.4	AxMin	2.8	Ang 87
					ErrZ 5
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp Per</i>
PVIS	e Pg	06:12:51.54		HZ	
	e Sg	06:12:54.96		HN	
PVRL	e Pg	06:12:57.61		SZ	
	e Sg	06:13:05.39		SN	
	IAML	06:13:07.05		SZ	0.015 0.1
MTE	e Pg	06:12:57.55		HZ	
	e Sg	06:13:05.35		HN	
	IAML	06:13:06.12		HZ	0.009 0.2
POLO	e Pg	06:12:58.60		HZ	
	e Sg	06:13:07.32		HN	
	IAML	06:13:08.16		HZ	0.004 0.2
PCAS	e P	06:13:01.55		HZ	
	e S	06:13:12.03		HE	
	IAML	06:13:13.63		HZ	0.003 0.1

MVO	e P	06:13:03.13	HZ	0.003	0.1	
	e S	06:13:14.63	HN			
	IAML	06:13:15.29	HZ			
PCAB	e P	06:13:03.60	EZ	0.003	0.1	
	e S	06:13:16.34	EN			
	IAML	06:13:18.30	EZ			
PCBR	e P	06:13:05.73	EZ	0.001	0.1	
	e S	06:13:19.62	EE			
	IAML	06:13:21.18	EZ			
PGAV	e P	06:13:08.00	HZ	0.001	0.1	
	e S	06:13:24.52	HE			
	IAML	06:13:26.80	HZ			
PSARD	e P	06:13:07.98	HZ	0.003	0.1	
	e S	06:13:23.72	HN			
	IAML	06:13:26.10	HZ			
PSBE	e Sn	06:13:29.18	HE			
PMRV	e Pn	06:13:12.51	HZ	0.001	0.1	
	e Sn	06:13:30.94	HE			
	IAML	06:13:34.98	HZ			
PMTG	e Pn	06:13:15.10	HZ	0.001	0.1	
	e Sn	06:13:38.10	HE			
	IAML	06:13:40.35	HZ			
03-Jan	Ho	06:41:23.2		ML	2.0	
	Lat	36.691°N	Lon	09.716°W	Prof	20
	Região: SW Cabo S.Vicente				Rms	0.4
	AxMax	4.8	AxMin	3.0	Ang	48
					ErrZ	5
Est	Fase	P h:m:s	Dur	Co	Amp	Per
PFVI	e P	c 06:41:38.34		HZ	0.016	0.2
	e S	06:41:49.69		HN		
	IAML	06:41:50.14		HZ		
MORF	e P	c 06:41:41.35		HZ	0.014	0.1
	e S	06:41:54.81		HE		
	IAML	06:41:55.52		HZ		
PTEO	e P	06:41:42.86		HZ	0.010	0.4
	e S	06:41:57.72		HN		
	IAML	06:42:01.78		HZ		
PBDV	e P	c 06:41:48.03		HZ	0.005	0.2
	e S	06:42:06.24		HN		
	IAML	06:42:09.73		HZ		
PCVE	e P	06:41:49.62		HZ	0.006	0.3
	e S	06:42:09.75		HN		
	IAML	06:42:11.09		HZ		
MESJ	e P	06:41:49.64		HZ	0.007	0.2
	e S	06:42:09.49		HE		
	IAML	06:42:11.64		HZ		
PVAQ	e P	c 06:41:50.95		HZ	0.005	0.1
	e S	06:42:11.42		H2		
	IAML	06:42:13.91		HZ		
PBEJ	e P	06:41:53.93		EZ	0.005	0.2
	e S	06:42:17.11		EN		
	IAML	06:42:19.55		EZ		
MOE	e P	06:41:56.60		HZ	0.007	0.1
	e S	06:42:21.30		HN		
	IAML	06:42:22.06		HZ		
EVO	e P	06:41:57.91		HZ	0.013	0.1
	e S	06:42:23.91		HN		
	IAML	06:42:25.31		HZ		
PMAFR	e P	06:41:57.96		HZ	0.022	0.5
	e S	06:42:24.09		HE		
	IAML	06:42:27.95		HZ		
PARRA	e P	06:42:01.00		HZ	0.007	1.6
	e S	06:42:29.22		HE		
	IAML	06:42:30.98		HZ		
PBAR	e P	06:42:02.31		HZ		
	e S	06:42:32.00		HN		
PMTG	e P	06:42:03.39		HZ	0.008	0.1
	e S	06:42:32.53		HE		
	IAML	06:42:34.70		HZ		
PESTR	e P	06:42:04.09		HZ	0.002	0.1
	e S	06:42:35.49		HE		
	IAML	06:42:36.85		HZ		
PSBE	e P	06:42:06.59		HZ	0.005	0.9
	e S	06:42:39.99		HE		
	IAML	06:42:41.83		HZ		

PSARD	e P	06:42:10.27	HZ			
	e S	06:42:44.69	HN			
	IAML	06:42:46.84	HZ	0.008	0.2	
PMRV	e P	06:42:11.77	HZ			
	e S	06:42:47.87	HE			
	IAML	06:42:50.35	HZ	0.005	0.3	
PCAS	e P	06:42:14.49	HZ			
	e S	06:42:53.34	HE			
PCBR	e P	06:42:16.46	EZ			
	e S	06:42:56.01	EE			
	IAML	06:42:57.62	EZ	0.001	0.1	
PVIS	e S	06:43:12.13	HE			
POLO	e S	06:43:27.37	HE			
MVO	e P	06:42:34.42	HZ			
PGAV	e P	06:42:40.82	HZ			
	e S	06:43:39.04	HN			

03-Jan Ho 07:08:06.7						
Lat 35.392°N		Lon 00.192°E			Prof 28	
Região: NW Argélia (ALG)						Rms 0.7
AxMax 15.4		AxMin 6.8	Ang 145		ErrZ 25	
Est	Fase	P	h:m:s	Dur	Co	Amp Per
PBAR	e P		07:09:39.20		HZ	
PVAQ	e P		07:09:42.45		HZ	
PBDV	e P		07:09:44.15		HZ	
MESJ	e P		07:09:49.55		HZ	
PMRV	e P		07:09:50.08		HZ	
PARRA	e P		07:09:52.30		HZ	
MOE	e P		07:09:53.97		HZ	
PMTG	e P		07:09:55.94		HZ	
PSARD	e P		07:09:59.21		HZ	
	e S		07:11:22.16		HN	

03-Jan						
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp</i>	<i>Per</i>
PVAQ	e Pn	07:37:27.78		HZ		
	e Pg	07:37:33.23		HZ		
	e Sn	07:37:49.70		H1		
	e Sg	07:37:56.36		H2		
	IAML	07:37:58.78		HZ	0.002	1.0
PBAR	e Pn	07:37:30.50		HZ		
	e Sn	07:37:53.30		HE		
	IAML	07:37:56.08		HZ	0.001	0.6
	e Sg	07:37:56.91		HN		
PARRA	e Pn	07:37:43.72		HZ		
	e Sn	07:38:16.86		HN		
	e Sg	07:38:28.21		HN		
PMRV	e Pn	07:37:46.50		HZ		

03-Jan						
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp</i>	<i>Per</i>
PVAQ	e Pn	08:55:07.01		HZ		
	e Sn	08:55:28.90		H1		
	e Sg	08:55:35.75		H2		
	IAML	08:55:47.46		HZ	0.001	0.8
PBAR	e Pn	08:55:07.53		HZ		
	e Sn	08:55:31.13		HN		
	e Sg	08:55:36.19		HE		
	IAML	08:55:40.06		HZ	0.001	0.4

03-Jan	Ho 09:50:27.3					ML 1.4	
	Lat 38.879°N		Lon 08.027°W		Prof 18		
	Região: SE Mora					Rms 0.3	
	AxMax 1.8		AxMin 1.2		Ang 90		
ErrZ 2							
Est	Fase	P	h:m:s	Dur	Co	Amp	Per
PARRA	i Pg	d	09:50:30.53		HZ		
	e Sg		09:50:33.01		HE		
	IAML		09:50:33.28		HZ	0.019	0.3
PMTG	i Pg	d	09:50:32.23		HZ		
	e Sg		09:50:36.21		HN		
	IAML		09:50:36.46		HZ	0.035	0.3
EVO	e Pg		09:50:34.26		HZ		
	e Sg		09:50:39.44		HE		
	IAML		09:50:40.19		HZ	0.038	0.3

MOE	e Pg	c	09:50:35.37	HZ			
	e Sg		09:50:41.14	HN			
	IAML		09:50:41.80	HZ	0.039	0.2	
PSARD	e Pg		09:50:40.61	HZ			
	e Sg		09:50:50.27	HN			
	IAML		09:50:51.88	HZ	0.013	0.3	
PMRV	e P	c	09:50:40.93	HZ			
	e S		09:50:50.55	HE			
	IAML		09:50:50.87	HZ	0.010	0.1	
PBEJ	e P		09:50:42.82	EZ			
	e S		09:50:54.86	EN			
	IAML		09:50:55.26	EZ	0.005	0.1	
PSBE	e S		09:50:54.76	HE			
	IAML		09:50:56.07	HZ	0.006	0.3	
PMAFR	e P		09:50:45.08	HZ			
	e S		09:50:58.27	HN			
	IAML		09:50:59.80	HZ	0.011	0.3	
PBAR	e P		09:50:45.98	HZ			
	e S		09:50:59.49	HE			
	IAML		09:51:02.62	HZ	0.006	0.3	
MESJ	e P		09:50:46.29	HZ			
	e S		09:50:59.47	HE			
	IAML		09:51:01.13	HZ	0.005	0.4	
PCBR	e P		09:50:45.76	EZ			
	e S		09:50:59.78	EN			
	IAML		09:50:59.98	EZ	0.010	0.2	
PCAS	e Pg		09:50:49.30	HZ			
	e Sg		09:51:05.60	HN			
	IAML		09:51:06.61	HZ	0.002	0.4	
PCVE	e Pg		09:50:49.71	HZ			
	e Sn		09:51:04.90	HE			
	IAML		09:51:07.47	HZ	0.004	0.4	
PTEO	e Pn		09:50:51.60	HZ			
	e Sg		09:51:11.43	HN			
	IAML		09:51:14.76	HZ	0.003	0.4	
PVAQ	e Pg		09:50:53.96	HZ			
	e Sg		09:51:13.78	H1			
	IAML		09:51:18.52	HZ	0.002	0.1	
PBDV	e Pn		09:50:54.66	HZ			
	e Pg		09:50:56.41	HZ			
	e Sg		09:51:17.63	HE			
MORF	e Sg		09:51:18.49	HE			
	IAML		09:51:20.94	HZ	0.006	0.2	
PFVI	e Sg		09:51:24.25	HE			
	IAML		09:51:27.83	HZ	0.004	0.6	

03-Jan	Ho	09:51:16.1	ML 2.0				
	Lat	38.879°N	Lon	08.019°W	Prof	20	
	Região:	SE Mora	Rms	0.5			
	AxMax	1.8	AxMin	1.6	Ang	97	ErrZ 3
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp</i>	<i>Per</i>	
PARRA	i Pg	d	09:51:19.43	HZ			
	e Sg		09:51:21.91	HE			
	IAML		09:51:22.33	HZ	0.079	0.1	
PMTG	i Pg	d	09:51:21.13	HZ			
	e Sg		09:51:25.16	HE			
	IAML		09:51:25.38	HZ	0.166	0.3	
PESTR	e Pg		09:51:23.01	HZ			
	e Sg		09:51:28.40	HN			
	IAML		09:51:29.68	HZ	0.038	0.2	
EVO	i Pg	d	09:51:23.19	HZ			
	e Sg		09:51:28.33	HE			
	IAML		09:51:29.02	HZ	0.151	0.1	
MOE	e Pg	c	09:51:24.30	HZ			
	e Sg		09:51:30.30	HE			
	IAML		09:51:30.72	HZ	0.182	0.2	
PBEN	e S		09:51:30.94	H2			
AML04	e P		09:51:28.95	HZ			
	e S		09:51:38.59	HN			
	IAML		09:51:39.95	HZ	0.077	0.1	
PSARD	e P	d	09:51:29.51	HZ			
	e S		09:51:39.37	HN			
	IAML		09:51:41.69	HZ	0.069	0.3	
PMRV	i P	c	09:51:29.83	HZ			
	e S		09:51:39.46	HN			

	IAML	09:51:40.56	HZ	0.036	0.2		
AML05	e P	09:51:31.70	HZ				
	e S	09:51:42.70	H1				
	IAML	09:51:44.40	HZ	0.020	0.2		
PBEJ	e P	09:51:31.70	EZ				
	e S	09:51:43.15	EE				
	IAML	09:51:44.06	EZ	0.024	0.2		
PSBE	e P	09:51:32.20	HZ				
	e S	09:51:43.66	HE				
	IAML	09:51:45.00	HZ	0.023	0.2		
AML03	e S	09:51:44.03	H2				
AML01	e S	09:51:45.22	H2				
PMAFR	e P	09:51:33.44	HZ				
	e S	09:51:46.93	HN				
	IAML	09:51:48.40	HZ	0.037	0.2		
PBAR	e P	09:51:34.94	HZ				
	e S	09:51:48.06	HN				
	IAML	09:51:51.48	HZ	0.026	0.3		
PCBR	e P	09:51:35.38	EZ				
	e S	09:51:48.63	EN				
	IAML	09:51:48.86	EZ	0.044	0.2		
MESJ	e P	09:51:34.96	HZ				
	e S	09:51:48.32	HE				
	IAML	09:51:50.23	HZ	0.021	0.5		
PCAS	e P	c	09:51:38.13	HZ			
	e S		09:51:54.31	HE			
	IAML	09:51:56.19	HZ	0.006	0.3		
PCVE	e P	09:51:38.50	HZ				
	e S	09:51:53.81	HN				
	IAML	09:51:55.07	HZ	0.012	0.4		
PTEO	e Pn	09:51:39.48	HZ				
	e Pg	09:51:42.61	HZ				
	e Sg	09:52:00.30	HN				
	IAML	09:52:01.62	HZ	0.012	0.2		
PVAQ	e Pn	09:51:40.81	HZ				
	e Pg	09:51:42.84	HZ				
	e Sn	09:51:59.32	H1				
	e Sg	09:52:02.72	H2				
	IAML	09:52:05.36	HZ	0.008	0.4		
MTE	e Pg	09:51:44.33	HZ				
	e Sg	09:52:03.59	HN				
	IAML	09:52:05.43	HZ	0.009	0.3		
PBDV	e Pg	09:51:45.96	HZ				
	e Sg	09:52:06.03	HN				
	IAML	09:52:13.75	HZ	0.008	0.3		
MORF	e Pn	09:51:42.79	HZ				
	e Pg	09:51:46.08	HZ				
	e Sn	09:52:00.47	HN				
	e Sg	09:52:07.34	HE				
	IAML	09:52:09.77	HZ	0.029	0.1		
PVIS	e Pg	09:51:48.98	HZ				
	e Sg	09:52:12.87	HE				
PFVI	e Pn	09:51:44.86	HZ				
	e Pg	09:51:50.25	HZ				
	e Sn	09:52:08.30	HE				
	e Sg	09:52:12.67	HE				
	IAML	09:52:18.23	HZ	0.008	0.6		
MVO	e Sn	09:52:22.22	HE				
	e Sg	09:52:30.94	HE				
	IAML	09:52:40.47	HZ	0.005	0.4		
POLO	e Pn	09:51:54.71	HZ				
	e Sn	09:52:23.15	HN				
	e Sg	09:52:32.10	HE				
	IAML	09:52:34.65	HZ	0.002	0.6		
PGAV	e Pn	09:52:02.56	HZ				
	e Sg	09:52:51.84	HN				

03-Jan	Ho	11:10:50.0	Distante (GFZ)	mb 4.1			
	Lat	38.350°N	Lon	15.520°E	Prof	135	
	Região:	Sicily, Italy					
<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 P		11:14:43.94	BZ			
PBAR	e P		11:14:45.37	BZ			
PMRV	e P		11:14:47.40	BZ			
PVAQ	e P		11:14:51.46	BZ			

PBEJ	e P	11:14:52.73	SZ
PARRA	e P	11:14:52.80	BZ
EVO	e P	11:14:53.29	BZ
PSARD	e P	11:14:54.10	BZ
PMTG	e P	11:14:54.44	BZ
PBDV	e P	11:14:53.87	BZ
PCVE	e P	11:14:54.33	BZ
PCAS	e P	11:14:56.66	BZ
MESJ	e P	11:14:55.14	BZ

03-Jan Ho 12:03:42.9 ML 0.7
Lat 37.369°N Lon 09.117°W Prof 30
Região: NW Aljezur Rms 0.1
AxMax 5.4 AxMin 2.2 Ang 97 ErrZ 2

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PFVI	e P	d 12:03:50.29		HZ		
	e S	12:03:56.04		HN		
	IAML	12:03:56.93		HZ	0.002	0.1
PTEO	e P	12:03:50.61		HZ		
	e S	12:03:56.73		HN		
MORF	e P	12:03:51.17		HZ		
	e S	12:03:56.95		HE		
	IAML	12:03:57.79		HZ	0.006	0.3
PVAQ	e S	12:04:14.85		H1		
	IAML	12:04:17.32		HZ	0.001	0.1

03-Jan Ho 15:28:54.3 Distante (NEIC) Mw 5.5
Lat 11.729°N Lon 86.298°W Prof 109
Região: Near Coast of Nicaragua

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PFVI	e pP	15:40:41.12		BZ		
	IAMB	15:40:42.77		BZ	0.061	1.1
PTEO	e pP	15:40:41.36		BZ		
MORF	e P	15:40:11.52		BZ		
PCAS	e P	15:40:11.68		BZ		
	e pP	15:40:41.82		BZ		
	IAMB	15:40:43.77		BZ	0.065	1.4
PGAV	e P	15:40:12.13		BZ		
	e pP	15:40:42.10		BZ		
MOE	e P	15:40:12.31		BZ		
	e pP	15:40:42.51		BZ		
	IAMB	15:40:44.31		BZ	0.041	1.4
PMTG	e P	15:40:12.73		BZ		
	e pP	15:40:42.85		BZ		
	IAMB	15:40:44.53		BZ	0.029	1.3
PSARD	e P	15:40:12.80		BZ		
	e pP	15:40:43.13		BZ		
MESJ	e P	15:40:12.89		BZ		
	e pP	15:40:43.18		BZ		
	IAMB	15:40:45.12		BZ	0.024	1.4
PARRA	e P	15:40:13.47		BZ		
	e pP	15:40:43.66		BZ		
	IAMB	15:40:49.06		BZ	0.023	1.6
EVO	e P	15:40:13.74		BZ		
	e pP	15:40:43.97		BZ		
	IAMB	15:40:44.65		BZ	0.034	1.0
PCVE	e pP	15:40:44.35		BZ		
	IAMB	15:40:45.62		BZ	0.024	1.2
PVIS	e P	15:40:13.96		BZ		
	e pP	15:40:44.13		BZ		
POLO	e P	15:40:14.33		BZ		
	e pP	15:40:44.50		BZ		
PBDV	e P	15:40:15.23		BZ		
	e pP	15:40:45.38		BZ		
PBEJ	e P	15:40:14.71		SZ		
	e pP	15:40:44.91		SZ		
	IAMB	15:40:45.47		SZ	0.021	1.3
PVRL	e pP	15:40:44.72		SZ		
	IAMB	15:40:45.97		SZ	0.033	1.4
PVAQ	e P	15:40:15.75		BZ		
	e pP	15:40:46.03		BZ		
	IAMB	15:40:46.63		BZ	0.031	1.2
MTE	e P	15:40:15.42		BZ		
	e pP	15:40:45.69		BZ		
	IAMB	15:40:46.35		BZ	0.054	1.1

PESTR	e P	15:40:15.37	BZ
PCBR	e P	15:40:15.79	SZ
	e pP	15:40:46.03	SZ
	IAMB	15:40:46.76	SZ 0.045 1.1
PMRV	e P	15:40:15.79	BZ
	e pP	15:40:46.50	BZ
	IAMB	15:40:47.04	BZ 0.026 1.1
MVO	e P	15:40:17.70	BZ
	e pP	15:40:47.75	BZ
	IAMB	15:40:49.71	BZ 0.058 1.2
PBAR	e P	15:40:18.22	BZ
	e pP	15:40:48.49	BZ
	IAMB	15:40:50.52	BZ 0.034 1.4

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PARRA	i Pg	c 18:22:05.09		HZ		
	e Sg	18:22:09.71		HE		
	IAML	18:22:10.06		HZ	0.008	0.2

03-Jan Ho 19:05:42.4 ML 0.1
Lat 38.787°N Lon 07.932°W Prof 4
Região: NE Arraiolos Rms 0.0
AxMax 0.9 AxMin 0.6 Ang 92 ErrZ 4

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PARRA	i Pg	d 19:05:44.12		HZ		
	e Sg	19:05:45.51		HE		
	IAML	19:05:45.75		HZ	0.006	0.1
EVO	e Pg	19:05:47.25		HZ		
	e Sg	19:05:50.79		HN		
	IAML	19:05:50.92		HZ	0.002	0.1
PESTR	e Sg	19:05:51.38		HN		
PMTG	e S	19:05:54.00		HE		
MOE	e Pg	19:05:50.08		HZ		
	e Sg	19:05:55.68		HN		

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PBDV	e P	19:20:49.76		HZ		
	e S	19:20:59.08		HN		
	IAML	19:21:00.02		HZ	0.001	0.1
PVAQ	e P	19:20:51.02		HZ		
	e S	19:21:01.15		H2		
	IAML	19:21:02.17		HZ	0.002	0.6
PCVE	e P	19:20:55.87		HZ		
	e S	19:21:09.08		HN		
	IAML	19:21:09.83		HZ	0.001	0.4
PBAR	e S	19:21:24.45		HE		
PARRA	e S	19:21:37.00		HN		

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PVAQ	e P	23:08:39.20		HZ		
	S	23:09:24.93		H1		
PBAR	S	23:09:25.69		HE		
PBDV	S	23:09:26.40		HN		
PARRA	S	23:09:49.09		HE		

04-Jan Ho 01:48:13.0 ML 1.9
Lat 36.559°N Lon 09.784°W Prof 16
Região: SW Cabo S.Vicente Rms 0.4
AxMax 5.3 AxMin 2.8 Ang 51 ErrZ 5

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PFVI	e P	01:48:30.06		HZ		
	e S	01:48:42.96		HE		
	IAML	01:48:44.92		HZ	0.014	0.7
MORF	e P	01:48:33.14		HZ		
	e S	01:48:48.39		HE		
	IAML	01:48:49.06		HZ	0.013	0.1
PTEO	e P	01:48:35.07		HZ		
	e S	01:48:51.29		HE		
	IAML	01:48:52.86		HZ	0.009	0.5
PBDV	e P	01:48:39.64		HZ		
	e S	01:48:59.32		HN		
	IAML	01:49:03.84		HZ	0.003	0.4

PCVE	e P	01:48:41.46	HZ		
	e S	01:49:03.21	HE		
	IAML	01:49:05.17	HZ	0.004	0.2
MESJ	e P	01:48:41.56	HZ		
	e S	01:49:03.35	HE		
	IAML	01:49:05.07	HZ	0.004	0.3
PVAQ	e P	01:48:42.59	HZ		
	e S	01:49:04.61	H2		
	IAML	01:49:08.20	HZ	0.007	0.1
PBEJ	e P	01:48:45.91	EZ		
	e S	01:49:10.77	EE		
	IAML	01:49:13.94	EZ	0.005	0.3
MOE	e P	01:48:48.21	HZ		
	e S	01:49:14.96	HN		
	IAML	01:49:16.46	HZ	0.008	1.6
EVO	e P	01:48:49.95	HZ		
	e S	01:49:17.97	HN		
	IAML	01:49:19.96	HZ	0.012	0.1
PMAFR	e P	01:48:49.55	HZ		
	e S	01:49:17.41	HE		
	IAML	01:49:20.45	HZ	0.017	0.2
PARRA	e P	01:48:52.93	HZ		
	e S	01:49:23.02	HE		
	IAML	01:49:25.01	HZ	0.004	0.3
PBAR	e P	01:48:54.13	HZ		
	e S	01:49:25.67	HE		
	IAML	01:49:27.65	HZ	0.002	0.4
PMTG	e P	01:48:55.19	HZ		
	e S	01:49:26.97	HE		
	IAML	01:49:27.44	HZ	0.007	0.4
PESTR	e P	01:48:57.15	HZ		
	e S	01:49:29.01	HE		
	IAML	01:49:31.51	HZ	0.003	0.5
PSBE	e P	01:48:58.90	HZ		
	e S	01:49:33.27	HN		
	IAML	01:49:38.63	HZ	0.004	0.6
PSARD	e P	01:49:02.06	HZ		
	e S	01:49:38.14	HN		
	IAML	01:49:39.65	HZ	0.008	0.2
PMRV	e P	01:49:03.79	HZ		
	e S	01:49:41.89	HN		
	IAML	01:49:45.37	HZ	0.002	0.2
PCAS	e P	01:49:06.58	HZ		
	e S	01:49:47.18	HE		
	IAML	01:50:04.42	HZ	0.002	0.6
PCBR	e P	01:49:08.47	EZ		
	e S	01:49:49.27	EE		
	IAML	01:49:51.33	EZ	0.001	0.5
MTE	e P	01:49:14.87	HZ		
	e S	01:50:01.97	HE		
PVIS	e P	01:49:17.69	HZ		
	e S	01:50:05.70	HN		
PVRL	e S	01:50:19.76	SN		
	IAML	01:50:21.90	SZ	0.004	0.1
POLO	e P	01:49:25.63	HZ		
	e S	01:50:20.77	HN		
	IAML	01:50:23.19	HZ	0.001	0.3
MVO	e P	01:49:26.51	HZ		
	e S	01:50:21.50	HN		
	IAML	01:50:23.73	HZ	0.002	0.2
PGAV	e P	01:49:32.58	HZ		
	e S	01:50:31.15	HN		

04-Jan	Ho	02:37:19.3	ML 0.9		
	Lat	36.884°N	Lon 08.875°W	Prof 29	
	Região:	SE Cabo S.Vicente	Rms 0.1		
	AxMax	4.6	AxMin 2.5	Ang 72	ErrZ 2
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp Per</i>
PFVI	i Pg	02:37:25.54		HZ	
	e Sg	02:37:30.51		HN	
MORF	e Pg	02:37:28.45		HZ	
	e Sg	02:37:35.49		HE	
	IAML	02:37:36.26		HZ	0.004 0.2
PTEO	e S	02:37:40.73		HE	

PBDV	e P	02:37:33.94	HZ		
	e S	02:37:44.67	HN		
PVAQ	e P	02:37:37.01	HZ		
	e S	02:37:50.04	H1		
	IAML	02:37:51.02	HZ	0.001	0.2
EVO	e S	02:38:07.29	HN		
	IAML	02:38:07.61	HZ	0.001	0.3

04-Jan	Est	Fase	P h:m:s	Dur	Co	Amp	Per
PGAV	e P		05:07:32.43		HZ		
	e S		05:08:21.15		HE		
	IAML		05:08:21.77		HZ	0.003	0.2
POLO	e S		05:08:34.05		HE		
PVRL	e S		05:08:34.55		SN		
	IAML		05:08:37.51		SZ	0.002	0.3
PVIS	e S		05:08:38.86		HN		
PCAS	e S		05:08:39.16		HE		
PSBE	e S		05:08:42.18		HE		
PMAFR	e S		05:08:47.58		HE		
MVO	e S		05:08:47.94		HN		
PSARD	e S		05:08:49.26		HE		
	IAML		05:08:56.18		HZ	0.002	0.6
PCBR	e S		05:08:55.65		EE		
PMTG	e S		05:08:56.74		HN		
	IAML		05:09:01.06		HZ	0.001	0.2
PARRA	e S		05:09:02.71		HN		
	IAML		05:09:07.87		HZ	0.001	0.9
PMRV	e S		05:09:03.06		HE		
	IAML		05:09:08.76		HZ	0.001	0.7
MOE	e S		05:09:04.20		HN		
	IAML		05:09:10.91		HZ	0.002	0.6
EVO	e S		05:09:09.92		HE		
	IAML		05:09:14.61		HZ	0.001	0.4
MORF	e S		05:09:24.91		HE		
PBAR	e S		05:09:27.61		HN		
	IAML		05:09:32.40		HZ	0.001	0.7
PVAQ	e S		05:09:32.47		H1		

04-Jan	Ho	07:18:18.3	Distante (NEIC)	Mw 5.1	
	Lat	36.845°S	Lon 176.952°E	Prof 320	
	Região:	Off E. Coast of N. Island, N.Z.			
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp Per</i>
PMOZ	e PKPab		07:38:58.53	BZ	
POLO	e PKPab		07:39:22.03	BZ	
PVIS	e PKPab		07:39:23.92	BZ	
PMAFR	e PKPab		07:39:24.90	BZ	
PCAS	e PKPdf		07:37:49.85	BZ	
	e PKPab		07:39:24.88	BZ	
MVO	e PKPab		07:39:24.06	BZ	
PSBE	e PKPab		07:39:25.36	BZ	
MTE	e PKPdf		07:37:49.25	BZ	
	e PKPab		07:39:26.24	BZ	
PSARD	e PKPab		07:39:26.57	BZ	
PMTG	e PKPab		07:39:27.11	BZ	
PCBR	e PKPdf		07:37:49.41	SZ	
	e PKPab		07:39:27.36	SZ	
MOE	e PKPab		07:39:28.85	BZ	
PARRA	e PKPab		07:39:28.59	BZ	
EVO	e PKPab		07:39:29.56	BZ	
PMRV	e PKPdf		07:37:49.01	BZ	
	e PKPab		07:39:28.69	BZ	
MESJ	e PKPdf		07:37:49.77	BZ	
PESTR	e PKPdf		07:37:50.05	BZ	
	e -		07:39:29.79	BZ	
PBEJ	e PKPdf		07:37:49.91	SZ	

04-Jan	Ho	08:30:52.1	ML 1.8		
	Lat	35.757°N	Lon 04.717°W	Prof 75	
	Região:	Alboran	Rms 0.5		
	AxMax	9.0	AxMin 4.8	Ang 179	ErrZ 10
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp Per</i>
PVAQ	e P		08:31:36.27	HZ	
	e S		08:32:08.92	H1	
	IAML		08:32:10.24	HZ	0.003 0.2

PBDV	e S	08:32:10.60	HE		
PBAR	e S	08:32:11.45	HE		
	IAML	08:32:13.06	HZ	0.002	0.2
PCVE	e P	08:31:40.70	HZ		
	e S	08:32:17.18	HN		
	IAML	08:32:18.33	HZ	0.002	0.2
MESJ	e S	08:32:22.99	HN		
MORF	e S	08:32:22.88	HE		
PFVI	e S	08:32:24.84	HN		
PTEO	e S	08:32:27.68	HE		
MOE	e S	08:32:35.55	HE		
PARRA	e S	08:32:35.67	HN		
	IAML	08:32:37.82	HZ	0.001	0.2
PMRV	e S	08:32:40.51	HE		

04-Jan Ho 12:53:29.8 ML 2.7					
Lat 43.174°N Lon 15.503°W Prof 19*					
Região: Abissal Ibérica Rms 0.4					
AxMax 5.6 AxMin 4.3 Ang 89 ErrZ 0					
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp Per</i>
PGAV	e P	12:54:45.59		HZ	
	e S	12:55:42.18		HN	
	IAML	12:55:47.27		HZ	0.007 0.4
PTO	e S	12:55:43.20		EN	
PCAB	e P	12:54:49.59		EZ	
	e S	12:55:48.52		EN	
POLO	e P	12:54:52.62		HZ	
	e S	12:55:54.71		HE	
	IAML	12:55:58.68		HZ	0.001 0.2
PCAS	e P	12:54:53.63		HZ	
	e S	12:55:57.15		HE	
	IAML	12:56:02.00		HZ	0.004 0.2
PVIS	e P	12:54:55.04		HZ	
	e S	12:55:58.89		HN	
PMAFR	e P	12:54:56.72		HZ	
	e S	12:56:02.11		HN	
	IAML	12:56:03.03		HZ	0.012 0.2
MTE	e S	12:56:07.93		HE	
	IAML	12:56:08.85		HZ	0.004 0.2
PSARD	e P	12:54:59.67		HZ	
	e S	12:56:07.45		HN	
	IAML	12:56:08.97		HZ	0.014 0.2
MVO	e P	12:55:00.83		HZ	
	e S	12:56:09.07		HE	
	IAML	12:56:12.11		HZ	0.004 0.4
PMTG	e P	12:55:04.02		HZ	
	e S	12:56:14.51		HE	
	IAML	12:56:19.39		HZ	0.002 0.3
PCBR	e P	12:55:03.83		EZ	
	e S	12:56:15.23		EN	
	IAML	12:56:20.74		EZ	0.003 0.4
MOE	e P	12:55:07.72		HZ	
	e S	12:56:21.01		HN	
	IAML	12:56:26.17		HZ	0.005 0.3
PARRA	e P	12:55:07.04		HZ	
	e S	12:56:20.02		HE	
	IAML	12:56:25.38		HZ	0.002 0.5
PMRV	e P	12:55:07.74		HZ	
	e S	12:56:21.77		HE	
	IAML	12:56:27.50		HZ	0.005 0.5
EVO	e P	12:55:10.44		HZ	
	e S	12:56:24.35		HE	
PESTR	e S	12:56:26.86		HE	
PTEO	e P	12:55:14.79		HZ	
MESJ	e P	12:55:15.78		HZ	
	e S	12:56:34.45		HN	
	IAML	12:56:39.10		HZ	0.002 0.3
PBEJ	e P	12:55:16.49		EZ	
MORF	e P	12:55:18.02		HZ	
	e S	12:56:39.40		HE	
	IAML	12:56:43.92		HZ	0.004 0.4
PFVI	e P	12:55:18.49		HZ	
	e S	12:56:41.70		HN	
PCVE	e P	12:55:19.27		HZ	
	e S	12:56:40.87		HE	

PBAR	e P	12:55:21.60	HZ		
	e S	12:56:45.02	HN		
	IAML	12:56:50.73	HZ	0.002	0.2
PVAQ	e P	12:55:23.67	HZ		
	e S	12:56:48.83	H1		
	IAML	12:56:53.27	HZ	0.003	0.5
PBDV	e P	12:55:24.57	HZ		
	e S	12:56:49.10	HN		

04-Jan Ho 14:07:38.4 ML 1.5					
Lat 36.335°N Lon 08.146°W Prof 19					
Região: SW Faro Rms 0.4					
AxMax 12.1 AxMin 6.7 Ang 95 ErrZ 8					
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp Per</i>
PBDV	e P	14:07:55.69		HZ	
	e S	14:08:07.74		HE	
	IAML	14:08:10.03		HZ	0.004 0.1
PFVI	e P	14:07:55.39		HZ	
	IAML	14:08:13.90		HZ	0.004 0.1
MORF	e P	14:07:56.63		HZ	
	e S	14:08:11.15		HN	
	IAML	14:08:15.41		HZ	0.007 0.2
PVAQ	e P	14:07:56.80		HZ	
	e S	14:08:10.28		H2	
	IAML	14:08:16.42		HZ	0.006 0.1
PCVE	e P	14:07:59.90		HZ	
	e S	14:08:15.42		HN	
	IAML	14:08:25.47		HZ	0.003 0.3
PTEO	e P	14:08:00.19		HZ	
MESJ	e P	14:08:02.83		HZ	
	e S	14:08:21.01		HN	
	IAML	14:08:25.21		HZ	0.003 0.2
PBEJ	e S	14:08:26.48		EE	
PBAR	e S	14:08:32.80		HN	
	IAML	14:08:36.36		HZ	0.001 0.2
EVO	e S	14:08:37.75		HE	
	IAML	14:08:39.85		HZ	0.004 0.3
MOE	e P	14:08:12.22		HZ	
	e S	14:08:37.41		HN	
PARRA	e P	14:08:15.78		HZ	
	e S	14:08:44.18		HE	
	IAML	14:08:46.44		HZ	0.002 0.4
PMTG	e P	14:08:19.28		HZ	
	e S	14:08:50.28		HN	
	IAML	14:08:52.12		HZ	0.003 0.2
PMAFR	e P	14:08:20.49		HZ	
PMRV	e P	14:08:25.63		HZ	
	e S	14:09:00.52		HN	
PSBE	e P	14:08:27.14		HZ	
PSARD	e P	14:08:26.83		HZ	
	e S	14:09:03.73		HN	
	IAML	14:09:05.32		HZ	0.003 0.8

04-Jan Ho 16:03:32.7 ML 2.4					
Lat 36.805°N Lon 08.172°W Prof 24					
Região: SW Faro Rms 0.4					
AxMax 3.0 AxMin 2.2 Ang 49 ErrZ 2					
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp Per</i>
PALBU	e Pg	16:03:39.54		HZ	
	e Sg	16:03:44.51		HN	
	IAML	16:03:44.85		HZ	0.751 0.1
PPOR	e Pg	16:03:41.60		HZ	
	e Sg	16:03:48.00		H1	
	IAML	16:03:49.09		HZ	0.397 0.1
PBDV	i Pg	16:03:42.19		HZ	
	e Sg	16:03:48.83		HN	
	IAML	16:03:50.46		HZ	0.213 0.4
PLAGO	e Pg	16:03:42.69		HZ	
	e Sg	16:03:49.94		HN	
	IAML	16:03:50.72		HZ	0.272 0.1
PTAV	e P	16:03:42.98		HZ	
	e S	16:03:50.63		H1	
	IAML	16:03:52.26		HZ	0.143 0.1

[illegible]

PSARD	e	Sg	19:33:17.37	HN		
		IAML	19:33:21.79	HZ	0.003	0.7
PMRV	e	Sg	19:33:17.38	HE		
		IAML	19:33:20.55	HZ	0.001	0.6
PMTG	e	Sg	19:33:32.50	HE		
PARRA	e	Sg	19:33:39.86	HN		

05-Jan	Ho	02:35:37.8	ML 1.4
	Lat	36.693°N	Lon 07.451°W
	Região:	Golfo de Cádiz	Prof 18
	AxMax	5.2	AxMin 3.1
	Ang	70	ErrZ 4
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur Co Amp Per</i>
PBDV	i P	d 02:35:50.55	HZ
	e S	02:35:59.27	HE
	IAML	02:36:00.79	HZ 0.007 1.0
PVAQ	i P	d 02:35:51.58	HZ
	e S	02:36:01.05	H1
	IAML	02:36:01.63	HZ 0.011 0.9
PCVE	e P	02:35:56.09	HZ
	e S	02:36:08.85	HE
	IAML	02:36:10.60	HZ 0.004 0.3
MORF	e S	02:36:10.46	HN
MESJ	e P	02:35:59.45	HZ
	e S	02:36:15.48	HE
	IAML	02:36:21.29	HZ 0.002 0.5
PTEO	e P	02:36:00.05	HZ
	e S	02:36:15.95	HN
	IAML	02:36:23.84	HZ 0.007 0.8
PBEJ	e S	02:36:19.37	EN
PBAR	e P	02:36:02.36	HZ
	e S	02:36:20.48	HE
	IAML	02:36:27.08	HZ 0.001 0.2
EVO	e P	02:36:07.69	HZ
	e S	02:36:29.91	HE
	IAML	02:36:31.50	HZ 0.002 0.7
MOE	e P	02:36:08.70	HZ
	e S	02:36:32.01	HE
	IAML	02:36:45.49	HZ 0.003 0.7
PARRA	e P	02:36:11.47	HZ
	e S	02:36:36.77	HN
	IAML	02:36:38.16	HZ 0.002 0.7
PESTR	e P	02:36:11.41	HZ
PMTG	e P	02:36:15.32	HZ
	e S	02:36:43.51	HN
	IAML	02:36:49.44	HZ 0.001 0.7
PMRV	e P	02:36:19.05	HZ
	e S	02:36:49.83	HE
PSARD	e P	02:36:22.40	HZ
	e S	02:36:55.82	HN
	IAML	02:36:56.57	HZ 0.003 0.2
PSBE	e P	02:36:23.66	HZ
	e S	02:36:58.13	HN
PCBR	e P	02:36:24.77	EZ
	e S	02:37:00.28	EN
PCAS	e P	02:36:30.49	HZ
	e S	02:37:08.36	HE
MTE	e P	02:36:32.34	HZ
	e S	02:37:13.82	HN

05-Jan	Ho	03:39:40.8	ML 0.9
	Lat	36.933°N	Lon 09.149°W
	Região:	SW Cabo S.Vicente	Prof 28
	AxMax	4.4	AxMin 2.9
	Ang	94	ErrZ 1
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur Co Amp Per</i>
PFVI	e P	03:39:48.17	HZ
	e S	03:39:53.52	HN
	IAML	03:39:54.99	HZ 0.007 0.8
MORF	e P	03:39:51.23	HZ
	e S	03:39:59.19	HN
	IAML	03:39:59.52	HZ 0.005 0.7
PTEO	e S	03:40:03.17	HN
PBDV	e P	03:39:57.94	HZ
	e S	03:40:10.85	HN
PCVE	e S	03:40:14.86	HE
PVAQ	e S	03:40:16.05	H1

05-Jan	Ho	04:32:53.2	Distante (NEIC)	mb 5.0
	Lat	64.701°N	Lon 17.752°W	Prof 8
	Região:	Iceland		
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur Co Amp Per</i>	
PGAV	e P	04:38:02.35	BZ	
	IAMB	04:38:06.88	BZ	0.055 1.8
POLO	e P	04:38:14.46	BZ	
	IAMB	04:38:26.55	BZ	0.024 1.9
	i -	04:38:39.97	BZ	
PVRL	e P	04:38:08.77	SZ	
	IAMB	04:38:13.02	SZ	0.047 2.0
	i -	04:38:31.07	SZ	
MVO	e P	04:38:15.55	BZ	
	IAMB	04:38:26.61	BZ	0.049 1.9
	i -	04:38:37.62	BZ	
PVIS	e P	04:38:15.93	BZ	
MTE	e P	04:38:17.79	BZ	
	IAMB	04:38:25.32	BZ	0.084 1.5
PCAS	e P	04:38:23.80	BZ	
	IAMB	04:38:24.93	BZ	0.057 1.5
	i -	04:38:45.01	BZ	
PCBR	e P	04:38:27.19	SZ	
	IAMB	04:38:40.86	SZ	0.039 1.5
PSARD	e P	04:38:27.07	BZ	
	IAMB	04:38:29.62	BZ	0.046 1.6
PMRV	e P	04:38:27.17	BZ	
	IAMB	04:38:31.87	BZ	0.039 1.9
	i -	04:38:40.40	BZ	
PARRA	e P	04:38:31.86	BZ	
	IAMB	04:38:45.69	BZ	0.033 1.7
	i -	04:38:57.08	BZ	
PESTR	e P	04:38:39.25	BZ	
	IAMB	04:38:48.01	BZ	0.023 1.9
EVO	i -	04:39:01.18	BZ	

05-Jan	Ho	04:40:50.7	Distante (NEIC)	Mw 5.8
	Lat	16.422°N	Lon 94.347°W	Prof 97
	Região:	Oaxaca, Mexico		
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur Co Amp Per</i>	
PMOZ	e S	05:01:11.62	LE	
	e LR	05:14:01.80	LZ	
	IAMs_20	05:16:24.18	LZ	1.045 24
PMAFR	e P	04:52:27.48	BZ	
	IAMB	04:52:38.71	BZ	0.105 1.3
PTO	e P	04:52:28.55	SZ	
	IAMB	04:52:30.76	SZ	0.076 1.5
PGAV	e P	04:52:29.13	BZ	
	IAMB	04:52:32.23	BZ	0.040 1.0
	e S	05:02:06.39	LE	
	e LR	05:16:33.61	LZ	
	IAMs_20	05:20:18.22	LZ	1.351 22
PSBE	e P	04:52:29.75	BZ	
	IAMB	04:52:31.06	BZ	0.063 1.3
PCAS	e P	04:52:30.54	BZ	
	IAMB	04:52:32.59	BZ	0.117 0.8
	i -	04:53:09.92	BZ	
PCAB	e P	04:52:30.58	SZ	
	IAMB	04:52:40.73	SZ	0.058 1.4
PFVI	e P	04:52:32.50	BZ	
	IAMB	04:52:34.16	BZ	0.080 0.9
	i -	04:53:12.54	BZ	
PTEO	e P	04:52:32.81	BZ	
	IAMB	04:52:33.56	BZ	0.063 1.1
POLO	e P	04:52:31.96	BZ	
	IAMB	04:52:33.84	BZ	0.035 1.0
	i -	04:53:11.13	BZ	
PSARD	e P	04:52:31.88	BZ	
	IAMB	04:52:33.96	BZ	0.050 0.8
PVIS	e P	04:52:31.96	BZ	
PVRL	e P	04:52:32.37	SZ	
	IAMB	04:52:36.69	SZ	0.049 1.3
MORF	e P	04:52:32.86	BZ	
	IAMB	04:52:34.19	BZ	0.046 1.1
	i -	04:53:13.47	BZ	

05-Jan	Ho	22:14:54.6			ML 0.7
	Lat	41.817°N	Lon	07.821°W	Prof 15
	Região:	W Montalegre			Rms 0.1
	AxMax	2.0	AxMin	1.2	Ang 63
					ErrZ 2
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp Per</i>
PCAB	i P	c 22:14:58.85		EZ	
	e S	22:15:02.04		EN	
	IAML	22:15:02.50		EZ	0.011 0.3
PGAV	e P	c 22:15:01.72		HZ	
	e S	22:15:06.98		HE	
	IAML	22:15:07.44		HZ	0.005 0.2
POLO	e P	d 22:15:02.95		HZ	
	e S	22:15:09.24		HE	
	IAML	22:15:11.75		HZ	0.001 0.1
PVRL	e P	22:15:04.83		SZ	
MVO	e P	22:15:10.68		HZ	
	e S	22:15:22.46		HN	
	IAML	22:15:22.99		HZ	0.002 0.3
PVIS	e S	22:15:29.02		HN	

06-Jan	Ho	01:04:08.3			ML 1.2
	Lat	36.977°N	Lon	05.235°W	Prof 10
	Região:	SE Sevilha (ESP)			Rms 0.4
	AxMax	5.3	AxMin	2.3	Ang 96
					ErrZ 4
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp Per</i>
PBAR	e Pn	01:04:38.37		HZ	
	e Sg	01:05:05.50		HE	
	IAML	01:05:16.36		HZ	0.001 0.7
PVAQ	e Pn	01:04:40.28		HZ	
	e Sg	01:05:11.40		H2	
	IAML	01:05:16.29		HZ	0.002 0.8
PBDV	e Pn	01:04:43.20		HZ	
PESTR	e Sg	01:05:29.65		HN	

06-Jan	Ho	01:26:03.3			ML 0.7
	Lat	41.413°N	Lon	08.401°W	Prof 9
	Região:	SW Guimarães			Rms 0.4
	AxMax	5.3	AxMin	3.0	Ang 101
					ErrZ 8
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp Per</i>
PTO	e Pg	01:26:09.11		EZ	
	e Sg	01:26:13.74		EN	
	IAML	01:26:14.17		EZ	0.026 0.1
PCAB	e Pg	c 01:26:11.02		EZ	
	e Sg	01:26:17.08		EE	
	IAML	01:26:17.72		EZ	0.006 0.2
POLO	e Pg	c 01:26:11.91		HZ	
	e Sg	01:26:18.52		HE	
	IAML	01:26:19.16		HZ	0.001 0.2
PVRL	e Pg	01:26:13.53		SZ	
	e Sg	01:26:20.61		SN	
	IAML	01:26:22.85		SZ	0.004 0.1
PGAV	e Pg	c 01:26:13.17		HZ	
	e Sg	01:26:20.98		HE	
	IAML	01:26:22.40		HZ	0.003 0.4
PVIS	e Sg	01:26:28.07		HE	
MVO	e S	01:26:36.05		HN	
	IAML	01:26:36.80		HZ	0.001 0.1
PCAS	e S	01:26:45.05		HN	

06-Jan	Ho	01:29:21.0	Distante (IPMA)	Mw 5.4
	Lat	00.190°N	Lon	17.020°W
	Região:	North of Ascension Island		Prof 10
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>
PMAR	e P	01:35:51.01		BZ
PMOZ	e S	01:41:17.56		LE
	e LR	01:44:29.01		LZ
	IAMS_20	01:48:56.03		LZ
PFVI	e P	01:36:35.02		BZ
	IAMB	01:36:35.90		BZ
MORF	e P	01:36:36.66		BZ
	IAMB	01:36:40.41		BZ
PBDV	e P	c 01:36:37.72		BZ
	IAMB	01:36:39.49		BZ
PTEO	e P	c 01:36:38.55		BZ

	IAMB	01:36:40.67	BZ	0.164	1.0
PVAQ	e P	c 01:36:38.98	BZ		
	IAMB	01:36:43.03	BZ	0.107	1.5
	e S	01:42:40.20	L2		
	e SS	01:45:24.64	L2		
	e LR	01:47:39.70	LZ		
	IAMS_20	01:56:25.08	LZ	1.335	16
PCVE	e P	c 01:36:40.16	BZ		
	IAMB	01:36:43.32	BZ	0.070	1.9
MESJ	e P	c 01:36:41.90	BZ		
	IAMB	01:36:43.86	BZ	0.078	1.5
PBEJ	e P	c 01:36:44.00	SZ		
	IAMB	01:36:46.80	SZ	0.070	1.9
PBAR	e P	c 01:36:46.54	BZ		
	IAMB	01:36:48.40	BZ	0.059	1.4
MOE	e P	c 01:36:47.75	BZ		
	IAMB	01:36:49.35	BZ	0.113	1.2
GGNV	P	01:36:49.80	HZ		
EVO	e P	c 01:36:48.05	BZ		
	IAMB	01:36:49.85	BZ	0.106	1.4
PMAFR	e P	d 01:36:48.98	BZ		
	IAMB	01:36:56.82	BZ	0.121	1.3
PARRA	e P	c 01:36:50.26	BZ		
	IAMB	01:36:51.99	BZ	0.087	1.3
PESTR	e P	c 01:36:50.60	BZ		
	IAMB	01:36:55.06	BZ	0.047	1.6
PMTG	e P	c 01:36:51.93	BZ		
	IAMB	01:36:53.85	BZ	0.072	1.4
PSBE	e P	c 01:36:54.06	BZ		
	IAMB	01:37:01.24	BZ	0.069	1.8
PMRV	e P	c 01:36:55.75	BZ		
	IAMB	01:36:59.25	BZ	0.076	1.6
	e S	01:43:08.82	LE		
	e SS	01:46:07.62	LE		
	e LR	01:48:47.23	LZ		
	IAMS_20	01:52:55.10	LZ	1.741	18
PSARD	e P	c 01:36:56.05	BZ		
	IAMB	01:36:58.39	BZ	0.104	1.4
PCBR	e P	01:36:59.24	SZ		
	IAMB	01:37:00.82	SZ	0.023	1.3
PCAS	e P	c 01:36:59.76	BZ		
	IAMB	01:37:01.45	BZ	0.119	1.5
MTE	e P	c 01:37:03.64	BZ		
	IAMB	01:37:05.38	BZ	0.096	1.1
	e S	01:43:18.65	LE		
	e SS	01:46:20.31	LE		
	e LR	01:50:06.22	LZ		
	IAMS_20	01:58:23.82	LZ	2.413	16
PVIS	e P	01:37:05.07	BZ		
PTO	e P	c 01:37:07.55	SZ		
	IAMB	01:37:23.97	SZ	0.089	1.4
PVRL	e P	c 01:37:10.02	SZ		
	IAMB	01:37:11.73	SZ	0.064	1.3
MVO	e P	c 01:37:10.41	BZ		
	IAMB	01:37:13.16	BZ	0.089	2.0
	e S	01:43:32.55	LE		
	e SS	01:46:26.82	LE		
	e LR	01:49:56.82	LZ		
	IAMS_20	01:53:10.44	LZ	2.155	20
POLO	e P	01:37:10.65	BZ		
	IAMB	01:37:12.43	BZ	0.030	1.3
PCAB	e P	c 01:37:12.72	SZ		
	IAMB	01:37:35.57	SZ	0.062	1.7
PGAV	e P	01:37:14.85	BZ		
	IAMB	01:37:17.04	BZ	0.043	2.1
	e S	01:43:40.16	LE		
	e SS	01:46:38.98	LE		
	e LR	01:49:54.75	LZ		
	IAMS_20	01:53:19.45	LZ	2.691	20

06-Jan	Ho	06:24:28.8	Distante (NEIC)	mb 4.9
	Lat	40.390°N	Lon	53.090°E
	Região:	Turkmenistan		Prof 41
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>
MVO	e P	06:32:36.94		BZ

PVRL	e P	06:32:41.09	SZ
PGAV	e P	06:32:42.29	BZ
	e pP	06:32:55.68	BZ
MTE	e P	06:32:42.18	BZ
PVIS	e P	06:32:43.24	BZ
	e pP	06:32:56.98	BZ
PCBR	e P	06:32:43.21	SZ
PMRV	e P	06:32:43.66	BZ
	e pP	06:32:58.40	BZ
PBAR	e P	06:32:45.06	BZ
	e pP	06:32:59.47	BZ
PESTR	e P	06:32:46.31	BZ
	e pP	06:33:00.29	BZ
PSARD	e P	06:32:47.87	BZ
PARRA	e P	06:32:48.56	BZ
PMTG	e P	06:32:48.90	BZ
EVO	e P	06:32:49.88	BZ
PSBE	e P	06:32:51.53	BZ
PVAQ	e P	06:32:51.22	BZ
PBDV	e P	06:32:53.12	BZ
GGNV	e P	06:32:55.34	BZ
PTEO	e P	06:32:57.27	BZ

06-Jan Ho 10:32:22.0 Distante (IPMA) Mw 5.6
Lat 17.770°N Lon 66.710°W Prof 10
Região: Puerto Rico Region

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PMOZ	e P	10:40:51.24	BZ			
	IAMB	10:40:57.80	BZ	0.271	2.1	
	e S	10:48:10.30	LN			
	e LQ	10:51:31.07	LN			
	e LR	10:53:55.30	LZ			
	IAMS_20	10:56:41.33	LZ	3.946	20	
PMAFR	e P	10:41:46.68	BZ			
	IAMB	10:42:11.41	BZ	0.095	1.8	
PFVI	e P	10:41:46.55	BZ			
	IAMB	10:41:51.85	BZ	0.177	1.7	
PTEO	e P	10:41:47.36	BZ			
	IAMB	10:41:53.75	BZ	0.239	1.8	
MORF	e P	10:41:46.58	BZ			
	IAMB	10:41:53.25	BZ	0.165	1.6	
PSBE	e P	10:41:48.57	BZ			
	IAMB	10:41:54.48	BZ	0.247	1.8	
MOE	e P	10:41:49.44	BZ			
	IAMB	10:41:56.18	BZ	0.173	1.8	
PCAS	e P	10:41:49.99	BZ			
	IAMB	10:41:56.39	BZ	0.223	1.7	
MESJ	e P	10:41:50.00	BZ			
	IAMB	10:41:56.88	BZ	0.186	1.8	
PTO	e P	10:41:51.58	SZ			
	IAMB	10:41:56.45	SZ	0.181	1.7	
PMTG	e P	10:41:50.58	BZ			
	IAMB	10:41:56.88	BZ	0.247	1.7	
PCVE	e P	10:41:50.86	BZ			
	IAMB	10:41:57.73	BZ	0.157	1.9	
PBDV	e P	10:41:51.60	BZ			
	IAMB	10:41:57.79	BZ	0.242	1.8	
PSARD	e P	10:41:51.53	BZ			
	IAMB	10:41:57.48	BZ	0.171	1.9	
EVO	e P	10:41:50.83	BZ			
	IAMB	10:41:56.78	BZ	0.144	1.8	
PARRA	e P	10:41:51.46	BZ			
	IAMB	10:41:57.71	BZ	0.218	1.9	
PBEJ	e P	10:41:51.61	SZ			
	IAMB	10:41:58.89	SZ	0.174	1.8	
PVAQ	e P	10:41:54.26	BZ			
	IAMB	10:41:59.47	BZ	0.166	1.9	
	e S	10:49:38.73	L2			
	e LQ	10:55:53.21	L1			
	e LR	10:57:20.52	LZ			
	IAMS_20	11:00:35.79	LZ	6.039	20	
PGAV	e P	10:41:54.26	BZ			
	e S	10:49:37.62	LE			
	e LQ	10:55:19.26	LN			

	e LR	10:57:44.78	LZ
	IAMS_20	11:00:50.52	LZ 3.562 20
PVIS	e P	10:41:52.70	BZ
PCAB	e P	10:41:56.13	SZ
	IAMB	10:41:59.88	SZ 0.155 1.6
PESTR	e P	10:41:55.18	BZ
	IAMB	10:41:59.77	BZ 0.179 1.8
POLO	e P	10:41:54.64	BZ
	IAMB	10:42:01.07	BZ 0.127 1.6
PVRL	e P	10:41:56.05	SZ
	IAMB	10:42:01.26	SZ 0.307 1.7
PCBR	e P	10:41:55.16	SZ
	IAMB	10:42:01.55	SZ 0.152 1.8
MTE	e P	10:41:55.16	BZ
	IAMB	10:42:01.35	BZ 0.134 1.7
	e S	10:49:41.19	LE
	e LQ	10:55:27.82	LN
	e LR	10:57:42.89	LZ
	IAMS_20	11:00:57.41	LZ 5.451 20
PMRV	e P	10:41:54.85	BZ
	IAMB	10:42:00.63	BZ 0.126 1.8
	e S	10:49:42.44	LE
	e LQ	10:55:48.36	LN
	e LR	10:57:54.48	LZ
	IAMS_20	11:00:42.32	LZ 3.023 20
PBAR	e P	10:41:57.41	BZ
	IAMB	10:42:03.56	BZ 0.149 1.7
MVO	e P	10:41:59.03	BZ
	IAMB	10:42:04.93	BZ 0.232 1.7
	e S	10:49:50.64	LE
	e LQ	10:55:48.36	LN
	e LR	10:57:35.07	LZ
	IAMS_20	11:01:16.21	LZ 4.303 20

06-Jan Ho 14:51:19.0 Distante (IPMA)
Lat 17.770°N Lon 66.740°W Prof 10
Região: Puerto Rico Region

Est	Fase	P h:m:s	Dur	Co	Amp	Per
MOE	e P	15:00:46.17	BZ			
	IAMB	15:01:08.05	BZ	0.023	2.1	
PCAS	e P	15:00:47.24	BZ			
PMTG	e P	15:00:47.53	BZ			
PCVE	e P	15:00:48.17	BZ			
PBDV	e P	15:00:49.38	BZ			
EVO	e P	15:00:48.60	BZ			
PARRA	e P	15:00:48.47	BZ			
	IAMB	15:01:32.86	BZ	0.021	1.8	
PBEJ	e P	15:00:49.56	SZ			
	IAMB	15:00:57.08	SZ	0.018	1.6	
PVIS	e P	15:00:51.26	BZ			
PCAB	e P	15:00:49.31	SZ			
PESTR	e P	15:00:51.61	BZ			
POLO	e P	15:00:51.99	BZ			
	IAMB	15:00:57.27	BZ	0.015	1.4	
PCBR	e P	15:00:52.28	SZ			
MTE	e P	15:00:52.31	BZ			
PMRV	e P	15:00:52.54	BZ			
PBAR	e P	15:00:54.67	BZ			
MVO	e P	15:00:55.62	BZ			

06-Jan Ho 15:58:00.1 Distante (IPMA) ML 2.3
Lat 39.239°N Lon 09.279°W Prof 13
Região: E Lourinhã Rms 0.4
AxMax 5.0 AxMin 1.8 Ang 97 ErrZ 4

Est	Fase	P h:m:s	Dur	Co	Amp	Per
AML05	e Pg	15:58:04.24	HZ			
	e Sg	15:58:07.66	H2			
	IAML	15:58:08.33	HZ	0.223	0.1	
PCDRA	e Pg	16:00:05.23	HZ			
	e Sg	16:00:09.11	HE			
	IAML	16:00:13.47	HZ	1.044	0.6	
PMAFR	i Pg	15:58:05.80	HZ			
	e Sg	15:58:10.02	HE			
	IAML	15:58:11.52	HZ	0.342	0.2	

AML03	e Pg	15:58:07.24	HZ	
	e Sg	15:58:12.29	H1	
	IAML	15:58:13.81	HZ	0.179 0.3
PSBE	e Pg	15:58:09.12	HZ	
	e Sg	15:58:16.39	HE	
	IAML	15:58:16.94	HZ	0.056 0.1
INMG	e Pg	15:58:09.51	HZ	
	e Sg	15:58:16.14	HN	
AML01	e Pg	15:58:09.90	HZ	
	e Sg	15:58:16.89	H2	
	IAML	15:58:17.04	HZ	0.241 0.3
GGNV	e Sg	15:58:17.53	HN	
	IAML	15:58:18.72	HZ	0.479 0.2
AML04	e Pg	15:58:10.86	HZ	
	e Sg	15:58:19.62	HN	
	IAML	15:58:19.77	HZ	0.145 0.1
AML02	e Sg	15:58:20.81	H1	
PMTG	e P	d 15:58:15.09	HZ	
	e S	15:58:26.41	HN	
	IAML	15:58:26.94	HZ	0.086 0.1
PSARD	e P	15:58:16.93	HZ	
	e S	15:58:29.38	HN	
	IAML	15:58:31.34	HZ	0.250 0.2
MOE	e P	d 15:58:18.10	HZ	
	e S	15:58:30.97	HE	
	IAML	15:58:33.23	HZ	0.078 0.2
PCAS	e P	15:58:17.96	HZ	
	e S	15:58:31.65	HN	
	IAML	15:58:35.05	HZ	0.031 0.1
PARRA	e P	15:58:17.92	HZ	
	e S	15:58:32.82	HN	
	IAML	15:58:33.11	HZ	0.026 0.1
EVO	e P	15:58:21.39	HZ	
	e S	15:58:37.57	HE	
	IAML	15:58:38.64	HZ	0.047 0.1
PESTR	e P	15:58:24.32	HZ	
	e S	15:58:41.49	HN	
	IAML	15:58:44.14	HZ	0.020 0.2
PMRV	e P	15:58:24.07	HZ	
	e S	15:58:44.39	HN	
	IAML	15:58:46.76	HZ	0.036 0.1
PCBR	e Pg	15:58:27.83	EZ	
	e Sn	15:58:45.17	EN	
	IAML	15:58:48.27	EZ	0.024 0.3
MESJ	e Pn	15:58:26.20	HZ	
	e Pg	15:58:28.34	HZ	
	e Sg	15:58:48.96	HE	
	IAML	15:58:52.58	HZ	0.024 0.2
PBEJ	e Pn	15:58:28.42	EZ	
	e Sn	15:58:48.70	EE	
	IAML	15:58:51.03	EZ	0.009 0.1
PTEO	e Pn	15:58:28.69	HZ	
	e Pg	15:58:32.61	HZ	
	e Sg	15:58:52.56	HE	
	IAML	15:58:54.96	HZ	0.024 0.3
MTE	e Pn	15:58:28.52	HZ	
	e Sg	15:58:55.17	HE	
	IAML	15:58:56.81	HZ	0.012 0.1
PVIS	e Pn	15:58:29.29	HZ	
	e Pg	15:58:33.16	HZ	
	e Sg	15:58:55.79	HN	
PCVE	e Pn	15:58:29.46	HZ	
	e Pg	15:58:32.52	HZ	
	e Sg	15:58:55.99	HN	
	IAML	15:59:01.96	HZ	0.013 0.3
PTO	e Sg	15:59:00.85	EE	
MORF	e Pn	15:58:31.91	HZ	
	e Pg	15:58:35.41	HZ	
	e Sg	15:59:00.69	HN	
	IAML	15:59:03.44	HZ	0.023 0.1
PBAR	e Pn	15:58:32.60	HZ	
	e Pg	15:58:36.04	HZ	
	e Sg	15:59:01.79	HN	
	IAML	15:59:08.46	HZ	0.015 0.3
PFVI	e Pn	15:58:34.21	HZ	

	e Pg	15:58:40.38	HZ	
	e Sn	15:58:58.84	HE	
	e Sg	15:59:05.58	HE	
	IAML	15:59:08.11	HZ	0.012 0.5
PVAQ	e Pn	15:58:34.14	HZ	
	e Pg	15:58:39.02	HZ	
	e Sg	15:59:07.47	H1	
	IAML	15:59:08.93	HZ	0.016 0.2
PBDV	e Pg	15:58:40.75	HZ	
	e Sg	15:59:08.98	HN	
	IAML	15:59:12.50	HZ	0.010 0.5
MVO	e Pn	15:59:39.55	HZ	
	e Sn	15:59:09.64	HN	
	e Sg	15:59:20.91	HN	
	IAML	15:59:27.60	HZ	0.008 0.4
PCAB	e Pn	15:58:40.47	EZ	
	e Sg	15:59:21.41	EN	
	IAML	15:59:24.35	EZ	0.012 0.3
PGAV	e Pn	15:58:43.07	HZ	
	e Sg	15:59:27.16	HN	
	IAML	15:59:31.34	HZ	0.006 0.2

06-Jan

<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp</i>	<i>Per</i>
PBDV	e P	16:44:16.02		HZ		
	e S	16:45:04.37		HN		
PVAQ	e P	16:44:17.47		HZ		
	e S	16:45:03.15		H2		
	IAML	16:45:06.74		HZ	0.001	0.3
PBAR	e P	16:44:18.64		HZ		
PCVE	e P	16:44:20.72		HZ		
MESJ	e P	16:44:24.86		HZ		
PFVI	e S	16:45:19.59		HN		

06-Jan Ho 20:22:54.7

<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp</i>	<i>Per</i>
PFVI	e P	d 20:23:11.49		HZ		
	e S	20:23:24.25		HE		
	IAML	20:23:25.13		HZ	0.004	0.3
MORF	e P	20:23:14.55		HZ		
	e S	20:23:29.74		HN		
	IAML	20:23:30.78		HZ	0.004	0.1
PTEO	e P	20:23:16.40		HZ		
	e S	20:23:32.75		HN		
	IAML	20:23:40.24		HZ	0.006	0.7
PBDV	e P	20:23:21.00		HZ		
	e S	20:23:41.24		HN		
	IAML	20:23:48.78		HZ	0.002	0.6
PCVE	e P	c 20:23:22.91		HZ		
	e S	20:23:44.57		HE		
	IAML	20:23:45.45		HZ	0.002	0.3
MESJ	e P	20:23:23.03		HZ		
	e S	20:23:44.24		HE		
	IAML	20:23:45.12		HZ	0.001	0.3
PVAQ	e P	c 20:23:23.98		HZ		
	e S	20:23:45.97		H2		
	IAML	20:23:56.56		HZ	0.002	0.3
MOE	e P	20:23:30.08		HZ		
	e S	20:23:56.71		HN		
	IAML	20:23:58.24		HZ	0.003	0.7
PMAFR	e P	20:23:32.07		HZ		
	e S	20:23:59.13		HE		
EVO	e S	20:23:59.58		HE		
PARRA	e P	20:23:34.95		HZ		
	e S	20:24:04.89		HE		
	IAML	20:24:06.17		HZ	0.001	0.2
PBAR	e P	20:23:35.76		HZ		
	e S	20:24:07.08		HN		
	IAML	20:24:10.01		HZ	0.001	0.4
PMTG	e P	20:23:37.14		HZ		
	e S	20:24:07.70		HE		
	IAML	20:24:08.71		HZ	0.002	0.3

PESTR	e S	20:24:10.57	HN		
PSBE	e S	20:24:15.10	HE		
PSARD	e P	20:23:43.99	HZ		
	e S	20:24:19.72	HN		
	IAML	20:24:25.44	HZ	0.003	0.6
PMRV	e P	20:23:45.69	HZ		
	e S	20:24:23.27	HN		
	IAML	20:24:26.66	HZ	0.001	0.1
PCAS	e S	20:24:29.26	HN		
POLO	e S	20:25:01.74	HN		

06-Jan

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PBAR	e P	21:36:58.02		HZ		
PVAQ	e P	21:37:01.64		HZ		
PBDV	e P	21:37:01.98		HZ		

06-Jan Ho 21:37:55.9 Distante (NEIC) mb 4.7
Lat 17.960°N Lon 66.770°W Prof 10
Região: Puerto Rico Region

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PCAS	e P	21:47:27.72		BZ		
PMTG	e P	21:47:22.00		BZ		
EVO	e P	21:47:23.21		BZ		
PARRA	e P	21:47:24.94		BZ		
POLO	e P	21:47:26.32		BZ		
MTE	e P	21:47:28.94		BZ		
PMRV	e P	21:47:33.72		BZ		
PBAR	e P	21:47:32.60		BZ		
MVO	e P	21:47:31.12		BZ		

06-Jan

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PVAQ	e P	22:25:28.49		HZ		
	e S	22:25:38.85		H2		
PBDV	e S	22:25:36.63		HE		
PCVE	e S	22:25:46.81		HN		
PTEO	e Sg	22:25:57.29		HN		

06-Jan Ho 22:55:52.3 Distante (NEIC) mb 4.7
Lat 37.500°N Lon 20.680°E Prof 10
Região: Ionian Sea

Est	Fase	P h:m:s	Dur	Co	Amp	Per
MVO	e P	23:00:45.69		BZ		
PBAR	e P	23:00:49.05		BZ		
PMRV	e P	23:00:49.80		BZ		
PESTR	e P	23:00:51.40		BZ		
POLO	e P	23:00:53.42		BZ		
PVIS	e P	23:00:55.24		BZ		
PMTG	e P	23:00:55.75		BZ		

07-Jan Ho 01:38:18.6 Distante (NEIC) Mw 5.3
Lat 05.450°S Lon 147.020°E Prof 200
Região: Eastern New Guinea Reg., P.N.G.

Est	Fase	P h:m:s	Dur	Co	Amp	Per
MVO	e PKPdf	01:57:18.72		BZ		
POLO	e PKPdf	01:57:18.84		BZ		
PVRL	e PKPdf	01:57:19.45		SZ		
MTE	e PKPdf	01:57:17.86		BZ		
PCBR	e PKPdf	01:57:20.86		SZ		
PMRV	e PKPdf	01:57:21.21		BZ		
PCAS	e PKPdf	01:57:21.52		BZ		
PSARD	e PKPdf	01:57:21.75		BZ		
PESTR	e PKPdf	01:57:22.12		BZ		
PMTG	e PKPdf	01:57:23.99		BZ		
PBAR	e PKPdf	01:57:22.38		BZ		
PARRA	e PKPdf	01:57:22.51		BZ		
MOE	e PKPdf	01:57:23.09		BZ		
PBEJ	e PKPdf	01:57:23.79		SZ		
MESJ	e PKPdf	01:57:23.75		BZ		
PVAQ	e PKPdf	01:57:26.57		BZ		
PBDV	e PKPdf	01:57:25.34		BZ		
MORF	e PKPdf	01:57:23.38		BZ		
PMPST	e PKPdf	01:57:38.61		BZ		
PMAR	e PKPdf	01:57:36.82		BZ		

FUL e PKPbc 01:57:42.60 EZ

07-Jan Ho 02:57:06.2 ML 0.7
Lat 38.266°N Lon 07.598°W Prof 1*
Região: SE Portel Rms 0.3
AxMax 3.0 AxMin 1.6 Ang 92 ErrZ 0

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PBEJ	e Pg	02:57:12.44		EZ		
	e Sg	02:57:15.86		EN		
	IAML	02:57:16.35		EZ	0.002	0.3
PBAR	e Pg	02:57:14.34		HZ		
	e Sg	02:57:20.25		HN		
	IAML	02:57:21.62		HZ	0.002	0.2
PESTR	e Pg	02:57:17.64		HZ		
	e Sg	02:57:25.27		HN		
	IAML	02:57:27.21		HZ	0.001	0.1
MESJ	e Sg	02:57:27.54		HE		
	IAML	02:57:28.49		HZ	0.001	0.5
PARRA	e Pg	02:57:17.93		HZ		
	e Sg	02:57:26.42		HE		
	IAML	02:57:26.71		HZ	0.002	0.2
MOE	e Pg	02:57:19.05		HZ		
	e Sg	02:57:26.90		HN		
	IAML	02:57:27.09		HZ	0.003	0.2
PCVE	e Pg	02:57:20.06		HZ		
	e Sg	02:57:29.22		HE		
	IAML	02:57:30.28		HZ	0.002	0.6
PVAQ	e P	02:57:22.41		HZ		
	e S	02:57:33.65		H2		
	IAML	02:57:37.39		HZ	0.002	1.0
PMTG	e P	02:57:23.81		HZ		
	e S	02:57:36.30		HN		
	IAML	02:57:37.81		HZ	0.002	0.4
PMRV	e P	02:57:27.85		HZ		
	e S	02:57:43.16		HN		
	IAML	02:57:44.15		HZ	0.001	0.2
PSARD	e S	02:57:50.47		HN		
	IAML	02:57:51.35		HZ	0.001	0.2
PFVI	e Sg	02:57:53.84		HN		

07-Jan Ho 04:31:53.0 Distante (IPMA)
Lat 80.200°N Lon 00.030°E Prof 10
Região: North of Svalbard

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PGAV	e -	04:40:45.65		LZ		
	e S	04:45:17.33		LE		
	e LR	04:50:20.98		LZ		
	IAMs_20	04:53:05.21		LZ	0.867	20
POLO	e P	04:39:19.53		BZ		
	IAMB	04:39:22.99		BZ	0.018	1.7
MVO	e P	04:39:21.12		BZ		
	IAMB	04:39:23.38		BZ	0.035	1.8
	e S	04:45:31.04		LN		
	e LR	04:50:37.70		LZ		
	IAMs_20	04:57:20.28		LZ	0.453	18
PVIS	e P	04:39:24.65		BZ		
MTE	e P	04:39:27.19		BZ		
	IAMB	04:39:41.14		BZ	0.035	1.9
	e PP	04:41:11.84		LZ		
	e S	04:45:35.62		LE		
	e LR	04:51:08.32		LZ		
	IAMs_20	04:53:54.59		LZ	0.508	20
PCAS	e P	04:39:30.47		BZ		
	IAMB	04:39:39.14		BZ	0.055	1.8
PCBR	e P	04:39:32.23		SZ		
	IAMB	04:39:33.77		SZ	0.044	1.7
PSARD	e P	04:39:34.21		BZ		
	IAMB	04:39:42.66		BZ	0.048	1.7
PSBE	P	04:39:35.60		HZ		
PMRV	e P	04:39:35.00		BZ		
	IAMB	04:39:43.78		BZ	0.056	1.9
	e PP	04:41:21.20		LZ		
	e LR	04:51:36.61		LZ		
	IAMs_20	04:55:12.01		LZ	0.493	20

PMTG	e P	04:39:37.90	BZ			
	IAmb	04:39:39.60	BZ	0.038	1.7	
PESTR	e P	04:39:39.43	BZ			
	IAmb	04:39:47.97	BZ	0.044	2.1	
PARRA	e P	04:39:40.21	BZ			
	IAmb	04:39:42.44	BZ	0.024	2.0	
MOE	e P	04:39:43.85	BZ			
	IAmb	04:39:57.08	BZ	0.028	1.9	
PBAR	e P	04:39:45.34	BZ			
	IAmb	04:39:54.77	BZ	0.044	1.6	
PBEJ	e P	04:39:46.92	SZ			
	IAmb	04:39:55.48	SZ	0.058	1.8	
MESJ	e P	04:39:48.82	BZ			
	IAmb	04:39:57.37	BZ	0.046	1.6	
PCVE	P	04:39:51.70	HZ			
PVAQ	e S	04:46:30.60	LZ			
	e LR	04:52:25.14	LZ			
	IAMs_20	04:55:54.14	LZ	0.787	20	
PFVI	e P	04:39:54.04	BZ			
	IAmb	04:39:54.79	BZ	0.110	1.7	
PMOZ	e LR	04:54:23.79	LZ			
	IAMs_20	04:56:49.43	LZ	0.322	20	

07-Jan Ho 06:05:20.3 Distante (NEIC) Mw 6.2
Lat 02.330°N Lon 96.350°E Prof 20
Região: Northern Sumatra, Indonesia

Est	Fase	P h:m:s	Dur	Co	Amp	Per
MVO	e Pdif	06:19:06.59	BZ			
	e PP	06:23:07.58	LZ			
	e S	06:30:28.16	LN			
	e SS	06:37:17.22	LN			
	IAMs_20	07:07:11.84	LZ	2.413	20	
MTE	e Pdif	06:19:06.89	BZ			
	e PP	06:23:13.29	LZ			
	e S	06:30:29.38	LN			
	e SS	06:37:33.63	LN			
	e LR	06:56:51.31	LZ			
	IAMs_20	07:20:36.06	LZ	3.201	20	
POLO	e Pdif	06:19:07.16	BZ			
PBAR	e Pdif	06:19:06.00	BZ			
PMRV	e Pdif	06:19:07.18	BZ			
	e PP	06:23:08.94	LZ			
	e S	06:30:33.99	LN			
	e SS	06:37:26.86	LN			
	e LR	06:55:01.20	LZ			
	IAMs_20	07:11:34.82	LZ	3.237	18	
PGAV	e Pdif	06:19:08.62	BZ			
	e PP	06:23:13.57	LZ			
	e S	06:30:35.85	LN			
	e SS	06:37:33.57	LN			
	e LR	06:57:37.23	LZ			
	IAMs_20	07:16:41.12	LZ	3.127	22	
PESTR	e Pdif	06:19:06.60	BZ			
PSARD	e Pdif	06:19:11.34	BZ			
PARRA	e Pdif	06:19:07.41	BZ			
PBEJ	e Pdif	06:18:59.37	SZ			
PVAQ	e Pdif	06:19:10.04	BZ			
	e S	06:30:40.76	L1			
	e SS	06:37:28.51	L2			
	e LR	06:55:26.71	LZ			
	IAMs_20	07:05:43.44	LZ	4.197	22	
EVO	e Pdif	06:19:09.20	BZ			
PMTG	e Pdif	06:19:10.27	BZ			
PCAS	e Pdif	06:19:09.20	BZ			
PBDV	e Pdif	06:19:12.36	BZ			
PCVE	e Pdif	06:19:08.32	BZ			
MOE	e Pdif	06:19:12.64	BZ			
MESJ	e Pdif	06:19:11.21	BZ			
PSBE	e Pdif	06:19:11.19	BZ			
PMAFR	e Pdif	06:19:12.63	BZ			
PFVI	e Pdif	06:19:12.64	BZ			
PMOZ	e PP	06:24:12.88	LZ			
	e SS	06:39:31.95	LN			
	e LR	07:09:29.75	LZ			
	IAMs_20	07:14:27.85	LZ	3.612	18	

07-Jan	Ho	08:24:27.0	Distante (IPMA)	Mw	6.2
	Lat	17.770°N	Lon	66.850°W	Prof 10
Região: Puerto Rico Region					
Est	Fase	P h:m:s	Dur	Co	Amp Per
PMOZ	i P	d 08:32:57.05		BZ	
	IAmb	08:33:01.00		BZ	0.879 1.3
	e S	08:39:49.68		LN	
PMAR	i P	d 08:32:58.61		BZ	
	IAmb	08:33:05.24		BZ	0.526 1.3
FUL	e P	08:32:59.89		EZ	
	IAmb	08:34:08.11		EZ	0.224 1.8
PMPS	e P	08:33:03.52		EZ	
	IAmb	08:33:07.32		EZ	0.256 1.9
PMPST	e P	d 08:33:02.47		BZ	
	IAmb	08:33:48.47		BZ	0.523 1.7
PMAFR	e P	d 08:33:49.78		BZ	
	IAmb	08:34:32.32		BZ	0.317 1.7
GGNV	e P	d 08:33:50.56		BZ	
	IAmb	08:34:01.20		BZ	0.433 1.9
PFVI	i P	d 08:33:51.80		BZ	
	IAmb	08:33:55.64		BZ	0.287 1.4
PTEO	i P	d 08:33:52.67		BZ	
	IAmb	08:33:56.51		BZ	0.395 1.5
MORF	i P	d 08:33:52.96		BZ	
	IAmb	08:33:56.98		BZ	0.393 1.4
PSBE	i P	d 08:33:53.42		BZ	
	IAmb	08:33:57.22		BZ	0.450 1.4
MOE	i P	d 08:33:55.00		BZ	
	IAmb	08:34:06.14		BZ	0.325 1.4
PCAS	e P	d 08:33:55.31		BZ	
	IAmb	08:34:03.79		BZ	0.469 1.6
MESJ	i P	d 08:33:55.54		BZ	
	IAmb	08:33:59.56		BZ	0.361 1.5
PTO	e P	d 08:33:55.23		SZ	
	IAmb	08:34:09.64		SZ	0.328 1.5
PMTG	i P	d 08:33:55.99		BZ	
	IAmb	08:33:59.99		BZ	0.435 1.4
PCVE	i P	d 08:33:56.51		BZ	
	IAmb	08:34:50.61		BZ	0.266 1.8
PSARD	i P	d 08:33:56.45		BZ	
	IAmb	08:34:00.45		BZ	0.262 1.5
EVO	e P	d 08:33:57.12		BZ	
	IAmb	08:34:08.11		BZ	0.324 1.3
PBEJ	e P	d 08:33:57.77		SZ	
	IAmb	08:34:08.91		SZ	0.366 1.5
PVAQ	e P	d 08:33:58.66		BZ	
	IAmb	08:34:13.89		BZ	0.334 1.6
	e S	08:41:40.47		L1	
PGAV	e P	d 08:33:58.13		BZ	
	IAmb	08:34:12.28		BZ	0.484 1.6
	e S	08:41:38.30		LE	
PVIS	i P	d 08:33:58.84		BZ	
PCAB	e P	08:33:59.63		SZ	
	IAmb	08:34:02.93		SZ	0.210 1.5
PESTR	i P	d 08:33:59.68		BZ	
	IAmb	08:34:03.51		BZ	0.352 1.5
POLO	i P	d 08:34:00.02		BZ	
	IAmb	08:34:11.55		BZ	0.210 1.3
PVRL	i P	d 08:34:00.41		SZ	
	IAmb	08:34:04.35		SZ	0.516 1.5
PCBR	e P	d 08:34:00.25		SZ	
	IAmb	08:34:08.83		SZ	0.261 2.2
MTE	i P	d 08:34:00.76		BZ	
	IAmb	08:34:11.87		BZ	0.317 1.4
	e S	08:41:45.03		LN	
PMRV	i P	d 08:34:00.56		BZ	
	IAmb	08:34:12.05		BZ	0.240 1.4
	e S	08:41:45.33		LE	
PBAR	i P	d 08:34:02.40		BZ	
	IAmb	08:34:13.83		BZ	0.272 1.6
MVO	i P	d 08:34:04.06		BZ	
	IAmb	08:34:15.41		BZ	0.442 1.5
	e S	08:41:52.91		LE	
	IAMs_20	08:53:17.52		LZ	21.05 20

07-Jan	Ho	08:34:05.0	Distante (IPMA)		Prof 10		
		Lat 17.840°N	Lon	66.470°W			
Região: Puerto Rico Region							
Est	Fase	P h:m:s	Dur	Co	Amp	Per	
PMOZ	e P	08:42:32.42		BZ			
	I Amb	08:42:35.41		BZ	0.149	2.2	
PFVI	e P	08:43:27.38		BZ			
	I Amb	08:43:30.79		BZ	0.102	1.6	
PTEO	e P	08:43:28.14		BZ			
	I Amb	08:43:30.08		BZ	0.092	1.5	
MORF	e P	08:43:29.01		BZ			
	I Amb	08:43:32.49		BZ	0.070	1.3	
PSBE	P	08:43:31.70		HZ			
MOE	e P	08:43:29.99		BZ			
	I Amb	08:43:33.18		BZ	0.058	1.6	
MESJ	e P	08:43:31.81		BZ			
	I Amb	08:43:34.64		BZ	0.070	1.5	
PCAS	e P	08:43:30.68		BZ			
	I Amb	08:43:33.49		BZ	0.096	1.6	
PMTG	e P	08:43:32.11		BZ			
	I Amb	08:43:34.78		BZ	0.099	1.6	
PCVE	e P	08:43:32.71		BZ			
	I Amb	08:43:45.85		BZ	0.036	1.6	
PBDV	e P	08:43:32.97		BZ			
	I Amb	08:43:35.57		BZ	0.078	1.7	
PSARD	e P	08:43:31.70		BZ			
	I Amb	08:43:34.55		BZ	0.061	1.8	
PARRA	e P	08:43:32.37		BZ			
	I Amb	08:43:35.03		BZ	0.080	1.7	
PBEJ	e P	08:43:33.50		SZ			
	I Amb	08:43:35.85		SZ	0.068	1.7	
PVAQ	e P	08:43:33.79		BZ			
	I Amb	08:43:47.43		BZ	0.061	1.8	
PGAV	e P	08:43:34.53		BZ			
	I Amb	08:43:37.02		BZ	0.076	1.5	
PVIS	e P	08:43:34.36		BZ			
PCAB	e P	08:43:35.69		SZ			
PESTR	e P	08:43:35.32		BZ			
	I Amb	08:43:37.73		BZ	0.069	1.5	
POLO	e P	08:43:35.67		BZ			
	I Amb	08:43:38.98		BZ	0.043	1.6	
PVRL	e P	08:43:35.96		SZ			
	I Amb	08:43:49.25		SZ	0.118	1.6	
PCBR	e P	08:43:36.20		SZ			
	I Amb	08:43:38.78		SZ	0.060	1.7	
MTE	e P	08:43:36.15		BZ			
	I Amb	08:43:39.68		BZ	0.049	1.3	
PMRV	e P	08:43:35.76		BZ			
	I Amb	08:43:38.73		BZ	0.047	1.6	
PBAR	e P	08:43:37.90		BZ			
	I Amb	08:43:41.65		BZ	0.055	1.4	
MVO	e P	08:43:39.34		BZ			
	I Amb	08:43:43.02		BZ	0.100	1.5	

07-Jan	Ho	08:50:48.0	Distante (IPMA)		Prof 10		
		Lat 17.690°N	Lon	66.720°W			
Região: Puerto Rico Region							
Est	Fase	P h:m:s	Dur	Co	Amp	Per	
PMOZ	e P	08:59:18.43		BZ			
PFVI	e P	09:00:14.11		BZ			
MORF	e P	09:00:13.76		BZ			
	I Amb	09:00:14.61		BZ	0.051	1.3	
MOE	e P	09:00:15.77		BZ			
	I Amb	09:00:15.80		BZ	0.047	1.5	
PCAS	e P	09:00:14.00		BZ			
	I Amb	09:00:16.22		BZ	0.047	1.4	
MESJ	e P	09:00:16.96		BZ			
	I Amb	09:00:17.23		BZ	0.044	1.5	
PMTG	e P	09:00:14.00		BZ			
	I Amb	09:00:16.88		BZ	0.044	1.5	
PSARD	e P	09:00:16.80		BZ			
	I Amb	09:00:18.07		BZ	0.036	1.6	
PARRA	e P	09:00:15.50		BZ			
	I Amb	09:00:18.58		BZ	0.051	1.4	

PBEJ	e P	09:00:18.02	SZ				
	I Amb	09:00:18.67	SZ	0.037	1.4		
PVAQ	e P	09:00:18.04	BZ				
	I Amb	09:00:20.19	BZ	0.052	1.6		
PVIS	e P	09:00:20.94	BZ				
PESTR	e P	09:00:20.49	BZ				
POLO	e P	09:00:20.76	BZ				
	I Amb	09:00:25.62	BZ	0.022	1.4		
PVRL	e P	09:00:21.28	SZ				
PCBR	e P	09:00:20.92	SZ				
MTE	e P	09:00:21.02	BZ				
	I Amb	09:00:22.35	BZ	0.040	1.2		
PMRV	e P	09:00:21.28	BZ				
PBAR	e P	09:00:22.58	BZ				
	I Amb	09:00:24.22	BZ	0.032	1.5		
MVO	e P	09:00:22.92	BZ				
	I Amb	09:00:25.66	BZ	0.059	1.7		

07-Jan	Ho	11:18:44.0	Distante (IPMA)		Mw 5.8		
		Lat 17.860°N	Lon	66.580°W	Prof 10		
Região: Puerto Rico Region							
Est	Fase	P h:m:s	Dur	Co	Amp	Per	
PMOZ	e P	11:27:13.22		BZ			
	I Amb	11:27:37.43		BZ	0.341	1.4	
	e PP	11:29:08.15		LZ			
	e S	11:34:12.82		LE			
	e LR	11:39:51.16		LZ			
	I AMs_20	11:43:03.38		LZ	2.420	20	
PMAR	e -	11:27:17.57		BZ			
	I Amb	11:27:17.57		BZ			
	I Amb	11:27:27.20		BZ	0.269	1.4	
PMPS	e P	11:27:19.35		EZ			
	I Amb	11:27:28.84		EZ	0.179	1.6	
PMPST	e P	11:27:19.28		BZ			
	I Amb	11:27:55.21		BZ	0.225	1.3	
PMAFR	e P	11:28:07.66		BZ			
	I Amb	11:28:30.10		BZ	0.114	1.4	
PFVI	e P	11:28:07.83		BZ			
	I Amb	11:28:37.19		BZ	0.150	1.4	
PTEO	e P	11:28:08.58		BZ			
	I Amb	11:28:18.84		BZ	0.107	1.5	
MORF	e P	11:28:09.01		BZ			
	I Amb	11:28:21.37		BZ	0.123	1.2	
PSBE	e P	11:28:09.46		BZ			
	I Amb	11:28:38.74		BZ	0.144	1.4	
MOE	e P	11:28:11.29		BZ			
	I Amb	11:28:30.79		BZ	0.086	1.7	
PCAS	e P	11:28:11.43		BZ			
	I Amb	11:28:41.32		BZ	0.130	1.5	
MESJ	e P	11:28:11.78		BZ			
	I Amb	11:28:13.60		BZ	0.097	1.4	
PTO	e P	11:28:11.71		SZ			
	I Amb	11:28:28.99		SZ	0.082	1.6	
PMTG	e P	11:28:12.08		BZ			
	I Amb	11:28:31.73		BZ	0.121	1.7	
PCVE	e P	11:28:13.05		BZ			
	I Amb	11:28:32.49		BZ	0.071	2.0	
PBDV	e P	11:28:13.62		BZ			
	I Amb	11:28:15.60		BZ	0.137	1.3	
PSARD	e P	11:28:12.46		BZ			
	I Amb	11:28:42.67		BZ	0.105	1.7	
EVO	e P	11:28:13.03		BZ			
	I Amb	11:28:14.80		BZ	0.084	1.3	
PARRA	e P	11:28:12.91		BZ			
	I Amb	11:28:14.86		BZ	0.107	1.3	
PBEJ	e P	11:28:13.43		SZ			
	I Amb	11:28:15.60		SZ	0.091	1.5	
PVAQ	e P	11:28:14.60		BZ			
	I Amb	11:28:37.16		BZ	0.099	1.6	
	e PP	11:30:22.78		LZ			
	e S	11:35:58.48		L1			
	e LR	11:42:10.59		LZ			
	I AMs_20	11:47:54.85		LZ	4.739	20	

PGAV	e P	11:28:13.98	BZ				
	IAMB	11:28:32.43	BZ	0.107	2.3		
	e S	11:35:57.73	LN				
	e LR	11:43:02.45	LZ				
	IAMS_20	11:52:35.57	LZ	2.373	18		
PVIS	e P	11:28:14.91	BZ				
PCAB	e P	11:28:15.00	SZ				
	IAMB	11:28:16.86	SZ	0.063	1.3		
PESTR	e P	11:28:15.76	BZ				
	IAMB	11:28:17.61	BZ	0.110	1.3		
POLO	e P	11:28:16.16	BZ				
	IAMB	11:28:32.69	BZ	0.057	1.8		
PVRL	e P	11:28:16.97	SZ				
	IAMB	11:28:18.43	SZ	0.132	1.3		
PCBR	e P	11:28:16.75	SZ				
	IAMB	11:28:26.88	SZ	0.071	1.5		
MTE	e P	11:28:16.50	BZ				
	IAMB	11:28:18.58	BZ	0.087	1.2		
	e S	11:36:02.54	LN				
	e LR	11:44:23.10	LZ				
	IAMS_20	11:47:41.49	LZ	3.077	20		
PMRV	e P	11:28:16.94	BZ				
	IAMB	11:28:18.64	BZ	0.075	1.3		
	e S	11:36:03.35	LN				
	e LR	11:42:14.60	LZ				
	IAMS_20	11:47:18.35	LZ	1.854	20		
PBAR	e P	11:28:18.44	BZ				
	IAMB	11:28:30.40	BZ	0.071	1.4		
MVO	e P	11:28:20.27	BZ				
	IAMB	11:28:22.07	BZ	0.131	1.2		
	e S	11:36:08.98	LN				
	e LR	11:42:52.82	LZ				
	IAMS_20	11:48:26.33	LZ	3.296	20		

07-Jan							
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp</i>	<i>Per</i>	
PVAQ	e Pn	16:10:27.15		HZ			
	e Sn	16:10:51.56		H2			
	e Sg	16:10:57.18		H1			
	IAML	16:11:02.51		HZ	0.001	0.5	

07-Jan							
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp</i>	<i>Per</i>	
PARRA	i Pg	d 18:30:15.30		HZ			
	e Sg	18:30:16.99		HN			
	IAML	18:30:17.13		HZ	0.001	0.1	

07-Jan Ho 18:48:38.6 ML 1.2							
Lat 36.732°N Lon 07.421°W Prof 22				Rms 0.3			
Região: Golfo de Cádiz				ErrZ 4			
AxMax 7.6 AxMin 4.9 Ang 14							
<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	18:48:50.67		HZ			
	e S	18:48:59.70		HE			
	IAML	18:49:02.05		HZ	0.003	0.4	
PVAQ	e P	c 18:48:51.68		HZ			
	e S	18:49:01.55		H2			
	IAML	18:49:02.37		HZ	0.007	0.1	
PCVE	e P	18:48:56.44		HZ			
	e S	18:49:09.52		HE			
	IAML	18:49:11.15		HZ	0.002	0.4	
MESJ	e S	18:49:15.10		HN			
	IAML	18:49:17.68		HZ	0.001	0.2	
PTEO	e S	18:49:16.37		HE			
PBAR	e P	18:49:02.56		HZ			
	e S	18:49:20.35		HE			
	IAML	18:49:27.89		HZ	0.001	0.6	
PARRA	e P	18:49:11.57		HZ			
	e S	18:49:36.69		HE			
	IAML	18:49:40.01		HZ	0.001	0.4	
PMTG	e P	18:49:15.54		HZ			
	e S	18:49:43.66		HE			
	IAML	18:49:47.00		HZ	0.001	0.2	
PMRV	e P	18:49:19.40		HZ			
	e S	18:49:49.54		HN			

	IAML	18:49:51.51		HZ	0.001	0.4	
07-Jan Ho 19:08:58.5 Distante (NEIC) Mw 5.2							
Lat 12.240°N Lon 86.430°W Prof 203				Região: Nicaragua			
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp</i>	<i>Per</i>	
PMAR	e P	19:19:21.26		BZ			
	IAMB	19:19:52.24		BZ	0.116	1.7	
PMAFR	e P	19:20:04.55		BZ			
	IAMB	19:20:20.42		BZ	0.064	1.7	
PFVI	e P	19:20:05.62		BZ			
	IAMB	19:20:10.60		BZ	0.124	1.7	
PTO	e P	19:20:05.16		SZ			
	e pP	19:20:55.43		SZ			
	IAMB	19:20:56.99		SZ	0.074	1.5	
PTEO	e P	19:20:06.06		BZ			
	e pP	19:20:55.91		BZ			
	IAMB	19:21:21.01		BZ	0.066	1.9	
MORF	e P	19:20:06.46		BZ			
	IAMB	19:20:06.84		BZ	0.089	1.2	
	e pP	19:20:56.29		BZ			
PCAS	e P	19:20:06.17		BZ			
	e pP	19:20:56.16		BZ			
	IAMB	19:20:59.75		BZ	0.068	1.7	
PGAV	e P	19:20:06.65		BZ			
	IAMB	19:20:32.76		BZ	0.045	1.5	
	e pP	19:20:56.63		BZ			
MOE	e P	19:20:06.87		BZ			
	e pP	19:20:57.12		BZ			
	IAMB	19:20:57.97		BZ	0.045	1.3	
PMTG	e P	19:20:07.28		BZ			
	e pP	19:20:57.21		BZ			
	IAMB	19:20:58.33		BZ	0.037	1.4	
PSARD	e P	19:20:07.39		BZ			
	e pP	19:20:57.36		BZ			
	IAMB	19:20:58.55		BZ	0.030	1.1	
MESJ	e P	19:20:07.84		BZ			
	e pP	19:20:57.82		BZ			
	IAMB	19:20:59.11		BZ	0.039	1.5	
PCAB	e P	19:20:08.63		SZ			
	e pP	19:20:56.42		SZ			
	IAMB	19:20:58.65		SZ	0.044	1.4	
PARRA	e P	19:20:08.30		BZ			
	IAMB	19:20:12.13		BZ	0.021	1.1	
	e pP	19:20:57.90		BZ			
EVO	e P	19:20:08.05		BZ			
	IAMB	19:20:18.29		BZ	0.023	1.6	
	e pP	19:20:58.01		BZ			
PVIS	e P	19:20:07.24		BZ			
	e pP	19:20:58.47		BZ			
PCVE	e P	19:20:08.98		BZ			
	e pP	19:20:57.96		BZ			
POLO	e P	19:20:08.29		BZ			
	IAMB	19:20:10.32		BZ	0.018	1.5	
	e pP	19:20:58.12		BZ			
PVRL	e P	19:20:09.16		SZ			
	e pP	19:20:58.98		SZ			
	IAMB	19:21:00.24		SZ	0.042	1.3	
PBDV	e P	19:20:09.52		BZ			
	IAMB	19:20:40.50		BZ	0.088	1.9	
	e pP	19:20:59.91		BZ			
PBEJ	e P	19:20:08.82		SZ			
	IAMB	19:20:10.74		SZ	0.026	2.0	
	e pP	19:20:59.39		SZ			
PVAQ	e P	19:20:10.03		BZ			
	e pP	19:21:00.01		BZ			
	IAMB	19:21:54.29		BZ	0.037	1.8	
PESTR	e P	19:20:10.38		BZ			
	e pP	19:21:00.19		BZ			
	IAMB	19:21:01.43		BZ	0.043	1.4	
PCBR	e P	19:20:10.35		SZ			
	e pP	19:21:00.51		SZ			
	IAMB	19:21:00.86		SZ	0.042	1.3	

PMRV	e P	19:20:10.79	BZ			
	e pP	19:21:00.91	BZ			
	I Amb	19:21:01.92	BZ	0.027	1.4	
MVO	e P	19:20:11.32	BZ			
	e pP	19:21:02.42	BZ			
	I Amb	19:21:02.87	BZ	0.049	1.1	
PBAR	e P	19:20:11.94	BZ			
	I Amb	19:20:13.22	BZ	0.029	0.9	

07-Jan Ho 19:11:35.6 Distante (NEIC) Mw 6.0
Lat 05.170°S Lon 151.240°E Prof 117
Região: New Britain Region, P.N.G.

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PGAV	e PKPdf	19:30:48.73		BZ		
	e SKP	19:34:12.38		BZ		
PCAB	e PKPdf	19:30:49.63		SZ		
	e SKP	19:34:13.14		SZ		
MVO	e PKPdf	19:30:49.64		BZ		
	e SKP	19:34:12.90		BZ		
POLO	e PKPdf	19:30:50.53		BZ		
	e SKP	19:34:13.68		BZ		
PVRL	e PKPdf	19:30:50.65		SZ		
	e SKP	19:34:14.23		SZ		
PTO	e PKPdf	19:30:48.78		SZ		
	e SKP	19:34:15.26		SZ		
PVIS	e PKPdf	19:30:46.30		BZ		
	e SKP	19:34:15.40		BZ		
MTE	e PKPdf	19:30:51.03		BZ		
	e SKP	19:34:15.41		BZ		
PCBR	e PKPdf	19:30:51.72		SZ		
	e SKP	19:34:16.78		SZ		
PCAS	e PKPdf	19:30:50.20		BZ		
	e SKP	19:34:16.46		BZ		
PMRV	e PKPdf	19:30:44.00		BZ		
	e SKP	19:34:17.32		BZ		
PSARD	e PKPdf	19:30:46.04		BZ		
	e SKP	19:34:17.63		BZ		
PSBE	e PKPdf	19:30:51.38		BZ		
	e SKP	19:34:18.98		BZ		
PESTR	e PKPdf	19:30:48.00		BZ		
	e SKP	19:34:18.30		BZ		
PMTG	e PKPdf	19:30:51.35		BZ		
	e SKP	19:34:19.03		BZ		
PARRA	e PKPdf	19:30:48.60		BZ		
	e SKP	19:34:18.92		BZ		
PBAR	e PKPdf	19:30:53.90		BZ		
	e SKP	19:34:19.49		BZ		
MOE	e PKPdf	19:30:54.34		BZ		
	e SKP	19:34:20.06		BZ		
PMAFR	e PKPdf	19:30:54.57		BZ		
	e SKP	19:34:20.56		BZ		
PBEJ	e PKPdf	19:30:56.50		SZ		
	e SKP	19:34:21.20		SZ		
MESJ	e PKPdf	19:30:52.38		BZ		
	e SKP	19:34:21.77		BZ		
PCVE	e PKPdf	19:30:56.60		BZ		
	e SKP	19:34:21.64		BZ		
PVAQ	e PKPdf	19:30:52.59		BZ		
	e SKP	19:34:21.61		BZ		
PBDV	e PKPdf	19:30:54.16		BZ		
	e SKP	19:34:22.74		BZ		
PTEO	e PKPdf	19:30:55.19		BZ		
	e SKP	19:34:23.06		BZ		
MORF	e PKPdf	19:30:56.41		BZ		
	e SKP	19:34:23.31		BZ		
PFVI	e PKPdf	19:30:56.24		BZ		
	e SKP	19:34:24.14		BZ		

08-Jan Ho 02:20:02.3 Distante (NEIC) mb 4.9
Lat 29.200°N Lon 51.290°E Prof 10
Região: Southern Iran

Est	Fase	P h:m:s	Dur	Co	Amp	Per
MVO	e P	02:28:46.51		BZ		
	e pP	02:28:48.10		BZ		
	I Amb	02:28:50.91		BZ	0.024	1.4

PBAR	e P	02:28:46.83		BZ		
	e pP	02:28:49.45		BZ		
	I Amb	02:28:49.99		BZ	0.018	1.0
PMRV	e pP	02:28:49.87		BZ		
PCBR	e P	02:28:48.46		SZ		
	e pP	02:28:51.19		SZ		
	I Amb	02:29:01.62		SZ	0.024	2.1
PVRL	e pP	02:28:52.05		SZ		
	I Amb	02:28:55.44		SZ	0.036	1.5
POLO	e pP	02:28:51.83		BZ		
PESTR	e pP	02:28:52.10		BZ		
PVIS	e pP	02:28:49.48		BZ		
PGAV	e pP	02:28:53.95		BZ		
	I Amb	02:29:03.04		BZ	0.041	1.5
PBEJ	e pP	02:28:54.77		SZ		
	I Amb	02:30:15.06		SZ	0.024	1.7
PSARD	e P	02:28:50.82		BZ		
	e pP	02:28:54.92		BZ		
EVO	e P	02:28:52.02		BZ		
	e pP	02:28:55.35		BZ		
PMTG	e pP	02:28:56.21		BZ		
PCAS	e pP	02:28:56.87		BZ		
MOE	e pP	02:28:57.52		BZ		

08-Jan Ho 08:47:44.3 Distante (NEIC) Mw 5.2
Lat 20.440°S Lon 68.770°W Prof 109
Região: Chile-Bolivia Border Region

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PTEO	i -	09:00:20.14		BZ		
PBDV	e P	08:59:48.02		BZ		
	I Amb	08:59:54.00		BZ	0.059	2.0
	i -	09:00:21.62		BZ		
MESJ	e P	08:59:48.33		BZ		
	I Amb	09:00:06.01		BZ	0.026	1.9
	i -	09:00:20.62		BZ		
PCVE	e P	08:59:48.48		BZ		
	I Amb	08:59:56.82		BZ	0.028	1.8
PVAQ	e P	08:59:49.02		BZ		
MOE	e P	08:59:49.92		BZ		
	I Amb	08:59:51.14		BZ	0.041	1.4
	i -	09:00:23.66		BZ		
PBEJ	e P	08:59:50.23		SZ		
	I Amb	08:59:51.35		SZ	0.019	1.5
EVO	e P	08:59:50.89		BZ		
	I Amb	09:00:28.82		BZ	0.040	1.9
PARRA	e P	08:59:51.76		BZ		
	i -	09:00:25.02		BZ		
PMTG	e P	08:59:51.51		BZ		
	I Amb	08:59:53.01		BZ	0.019	1.4
	i -	09:00:24.56		BZ		
PBAR	e P	08:59:53.21		BZ		
	I Amb	08:59:55.01		BZ	0.024	1.6
	i -	09:00:27.09		BZ		
PESTR	e P	08:59:53.65		BZ		
PSARD	e P	08:59:53.56		BZ		
	I Amb	08:59:59.01		BZ	0.019	1.4
PCAS	e P	08:59:53.91		BZ		
PMRV	e P	08:59:55.59		BZ		
PVIS	e P	08:59:57.77		BZ		
MTE	e P	08:59:57.82		BZ		
	I Amb	09:00:01.16		BZ	0.028	1.6
POLO	e P	08:59:59.43		BZ		
PCAB	e P	09:00:00.04		SZ		
	I Amb	09:00:03.15		SZ	0.034	1.6
PGAV	e P	09:00:00.03		BZ		
MVO	e P	09:00:01.57		BZ		
	I Amb	09:00:03.56		BZ	0.029	1.5

08-Jan Ho 14:01:52.0 Distante (IPMA)
Lat 15.140°N Lon 61.300°W Prof 140
Região: Leeward Islands

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PMOZ	e P	14:09:43.58		BZ		
	I Amb	14:09:44.56		BZ	0.167	1.1

PFVI	e P	14:10:42.05	BZ				
	I Amb	14:11:04.45	BZ	0.092	2.0		
PMAFR	e P	14:10:42.69	BZ				
PTEO	e P	14:10:43.40	BZ				
	I Amb	14:11:13.95	BZ	0.057	1.6		
MORF	e P	14:10:43.25	BZ				
	I Amb	14:11:10.16	BZ	0.054	2.1		
MESJ	e P	14:10:46.55	BZ				
	I Amb	14:11:15.74	BZ	0.044	1.7		
MOE	e P	14:10:46.28	BZ				
	I Amb	14:11:04.81	BZ	0.025	1.9		
PCVE	e P	14:10:47.52	BZ				
	I Amb	14:11:02.56	BZ	0.024	1.6		
PBDV	e P	14:10:47.67	BZ				
	I Amb	14:11:06.44	BZ	0.048	1.8		
PMTG	e P	14:10:47.78	BZ				
	I Amb	14:10:51.87	BZ	0.017	1.3		
PCAS	e P	14:10:47.88	BZ				
	I Amb	14:10:49.04	BZ	0.044	1.2		
EVO	e P	14:10:48.24	BZ				
	I Amb	14:10:56.14	BZ	0.020	1.8		
PBEJ	e P	14:10:48.84	SZ				
	I Amb	14:11:02.03	SZ	0.021	1.6		
PVAQ	e P	14:10:49.01	BZ				
	I Amb	14:11:18.27	BZ	0.027	2.2		
PARRA	e P	14:10:48.32	BZ				
	I Amb	14:10:51.10	BZ	0.035	1.5		
PSARD	e P	14:10:49.03	BZ				
	I Amb	14:10:54.18	BZ	0.015	1.5		
PESTR	e P	14:10:51.60	BZ				
	I Amb	14:10:52.80	BZ	0.042	1.3		
PVIS	e P	14:10:52.19	BZ				
PMRV	e P	14:10:52.71	BZ				
	I Amb	14:10:55.37	BZ	0.016	1.2		
PCBR	e P	14:10:52.96	SZ				
	I Amb	14:10:54.95	SZ	0.021	1.5		
PBAR	e P	14:10:53.81	BZ				
	I Amb	14:11:04.63	BZ	0.028	1.4		
MTE	e P	14:10:53.61	BZ				
	I Amb	14:11:02.57	BZ	0.025	1.3		
POLO	e P	14:10:54.06	BZ				
	I Amb	14:10:55.45	BZ	0.013	1.8		
PVRL	e P	14:10:54.24	SZ				
	I Amb	14:11:01.52	SZ	0.031	1.6		
MVO	e P	14:10:57.95	BZ				
	I Amb	14:10:58.70	BZ	0.021	0.7		

08-Jan							
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp</i>	<i>Per</i>	
PVAQ	e Pg	14:35:30.71		HZ			
	e Sg	14:35:54.36		H2			
PBAR	e Sg	14:35:53.75		HN			
	IAML	14:35:54.92		HZ	0.001	0.7	

08-Jan	Ho	18:02:20.7			ML 2.3		
	Lat	37.330°N	Lon	02.101°W	Prof 2*		
	Região: SE Almeria (ESP)				Rms 0.4		
	AxMax	1.9	AxMin	1.2	Ang 139	ErrZ 0	
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp</i>	<i>Per</i>	
PBAR	e Pn	18:03:21.63		HZ			
	e Sn	18:04:07.92		HE			
	IAML	18:04:38.50		HZ	0.004	0.6	
PVAQ	e Pn	18:03:27.92		HZ			
	e Sn	18:04:19.77		H2			
	IAML	18:04:49.46		HZ	0.003	0.9	
PESTR	e Pn	18:03:29.61		HZ			
	e Sn	18:04:22.16		HE			
	IAML	18:04:52.92		HZ	0.004	0.5	
PBDV	e Pn	18:03:30.85		HZ			
	e Sn	18:04:23.99		HE			
PCVE	e Pn	18:03:31.69		HZ			
MESJ	e Pn	18:03:33.69		HZ			
PCBR	e Pn	18:03:34.92		EZ			
	e Sn	18:04:29.95		EN			
	IAML	18:05:01.81		EZ	0.004	0.7	

PARRA	e Pn	18:03:34.68		HZ			
	e Sg	18:04:56.67		HE			
	IAML	18:05:03.85		HZ	0.003	0.4	
MOE	e Pn	18:03:37.77		HZ			
	e Sn	18:04:34.27		HN			
	IAML	18:05:16.90		HZ	0.005	0.8	
PMTG	e Pn	18:03:37.56		HZ			
	e Sn	18:04:34.18		HE			
	IAML	18:05:09.71		HZ	0.004	0.5	
PSARD	e Pn	18:03:39.64		HZ			
	e Sn	18:04:38.55		HE			
	IAML	18:05:11.92		HZ	0.007	0.5	
MVO	e Sg	18:05:13.87		HE			
	IAML	18:05:15.03		HZ	0.003	0.7	

08-Jan	Ho	18:38:50.4			ML 1.1		
	Lat	36.516°N	Lon	07.520°W	Prof 26		
	Região: Golfo de Cádiz				Rms 0.3		
	AxMax	26.7	AxMin	4.7	Ang 69	ErrZ 17	
<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	18:39:04.53		HZ			
PVAQ	e P	18:39:06.05		HZ			
	e S	18:39:17.21		H2			
	IAML	18:39:17.78		HZ	0.002	0.1	
PCVE	e S	18:39:24.57		HE			
MESJ	e S	18:39:30.41		HN			
	IAML	18:39:32.92		HZ	0.002	0.9	
PARRA	e S	18:39:52.15		HE			
	IAML	18:39:54.65		HZ	0.001	0.3	

08-Jan							
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp</i>	<i>Per</i>	
PVAQ	i Pg	19:49:13.77		HZ			
	e Sg	19:49:16.30		H2			
	IAML	19:49:16.89		HZ	0.003	0.4	
PBDV	e Sg	19:49:18.36		HN			
	IAML	19:49:22.26		HZ	0.008	0.1	
PCVE	e Pg	19:49:19.46		HZ			
	e Sg	19:49:25.89		HN			
MESJ	e P	19:49:23.70		HZ			
	e S	19:49:34.35		HE			
PBAR	e S	19:49:43.55		HE			

08-Jan	Ho	20:27:28.7			ML 0.7		
	Lat	38.986°N	Lon	09.017°W	Prof 3		
	Região: NW Vila Franca de Xira				Rms 0.3		
	AxMax	4.0	AxMin	3.1	Ang 173	ErrZ 7	
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp</i>	<i>Per</i>	
PMAFR	e Pg	20:27:32.19		HZ			
	e Sg	20:27:35.63		HN			
	IAML	20:27:35.93		HZ	0.021	0.3	
PMTG	e Pg	20:27:40.02		HZ			
	e Sg	20:27:48.04		HN			
	IAML	20:27:52.90		HZ	0.001	0.2	
MOE	e Pg	20:27:41.58		HZ			
	e Sg	20:27:50.79		HE			
	IAML	20:27:54.94		HZ	0.006	0.2	
PARRA	e P	20:27:42.54		HZ			
	e S	20:27:53.76		HE			
	IAML	20:27:54.34		HZ	0.001	0.3	
PSARD	e S	20:27:57.91		HN			
	IAML	20:28:00.80		HZ	0.003	0.3	
EVO	e P	20:27:45.07		HZ			
	e S	20:27:57.69		HE			
	IAML	20:28:00.61		HZ	0.002	0.1	
PESTR	e P	20:27:49.87		HZ			
	e S	20:28:04.18		HN			
PMRV	e P	20:27:52.54		HZ			
	e S	20:28:10.62		HE			
	IAML	20:28:11.12		HZ	0.001	0.4	

09-Jan	Ho	00:09:50.6			ML 1.5
	Lat	42.249°N	Lon	07.682°W	Prof 0
	Região:	SE Ourense (ESP)			Rms 0.4
	AxMax	3.9	AxMin	2.0	Ang 86 ErrZ 8
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp Per</i>
PGAV	e Pg	00:10:00.02		HZ	
	e Sg	00:10:07.11		HN	
	IAML	00:10:07.61		HZ	0.020 0.4
PCAB	e Pg	00:10:01.50		EZ	
	e Sg	00:10:09.50		EN	
	IAML	00:10:14.05		EZ	0.021 0.3
POLO	e P	00:10:07.48		HZ	
	e S	00:10:18.59		HN	
	IAML	00:10:21.24		HZ	0.004 0.3
PVRL	e P	00:10:07.80		SZ	
	e S	00:10:22.00		SN	
	IAML	00:10:23.86		SZ	0.009 0.2
PTO	e S	00:10:32.77		EE	
PVIS	e Pn	00:10:17.93		HZ	
	e Sg	00:10:39.65		HN	
MTE	e Sg	00:10:48.91		HE	
	IAML	00:10:50.13		HZ	0.003 0.5

09-Jan	Ho	00:08:42.0			ML 1.8
	Lat	42.261°N	Lon	07.710°W	Prof 2
	Região:	SE Ourense (ESP)			Rms 0.4
	AxMax	3.6	AxMin	2.0	Ang 89 ErrZ 6
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp Per</i>
PGAV	e Pg	00:08:51.17		HZ	
	e Sg	00:08:58.45		HN	
	IAML	00:08:58.97		HZ	0.051 0.4
PCAB	e Pg	00:08:52.87		EZ	
	e Sg	00:09:00.78		EN	
	IAML	00:09:05.55		EZ	0.043 0.1
POLO	e P	00:08:58.70		HZ	
	e S	00:09:09.91		HN	
	IAML	00:09:12.58		HZ	0.010 0.3
PVRL	e P	00:09:00.67		SZ	
	e S	00:09:13.91		SN	
	IAML	00:09:15.36		SZ	0.022 0.3
MVO	e P	00:09:04.44		HZ	
	e S	00:09:20.50		HE	
	IAML	00:09:23.59		HZ	0.009 0.4
PTO	e P	00:09:04.79		EZ	
	e S	00:09:22.11		EN	
	IAML	00:09:24.23		EZ	0.022 0.1
PVIS	e Pg	00:09:10.47		HZ	
	e Sg	00:09:30.97		HN	
MTE	e Sn	00:09:35.50		HE	
	e Sg	00:09:40.40		HE	
	IAML	00:09:41.49		HZ	0.007 0.4

09-Jan	Est	Fase	P h:m:s	Dur	Co	Amp	Per
	PBAR	e Sn	01:01:21.61		HE		
		IAML	01:01:46.80		HZ	0.001	0.4

09-Jan	Ho	00:55:43.6	Distante (NEIC)		Mw	5.1
	Lat	29.438°S	Lon	61.258°E	Prof	10
Região: Southwest Indian Ridge						
Est	Fase	P h:m:s	Dur	Co	Amp	Per
PBAR	e P	01:08:57.27		BZ		
PCVE	e P	01:08:59.65		BZ		
	Iamb	01:09:04.99		BZ	0.044	1.6
PBEJ	e P	01:08:59.30		SZ		
	Iamb	01:09:18.13		SZ	0.034	1.5
PESTR	e P	01:09:01.61		BZ		
	Iamb	01:09:02.66		BZ	0.029	1.3
EVO	e P	01:09:02.12		BZ		
	Iamb	01:09:03.30		BZ	0.034	1.4
PMRV	e P	01:09:01.96		BZ		
	Iamb	01:09:11.56		BZ	0.026	1.9
PARRA	e P	01:09:02.76		BZ		
PMTG	e P	01:09:03.94		BZ		
	Iamb	01:09:05.22		BZ	0.025	1.3

POLO e P 01:09:09.42 BZ

09-Jan	Est	Fase	P h:m:s	Dur	Co	Amp	Per
	PBAR	e Sg	07:55:46.19		HE		
	PVAQ	e Sg	07:55:52.45		H1		

09-Jan	Ho	08:38:08.3	Distante (NEIC)		Mw 6.3	
	Lat	62.340°N	Lon	171.060°E	Prof 10	
	Região: Eastern Siberia, Russia					
Est	Fase	P h:m:s	Dur	Co	Amp Per	
PGAV	e P	08:49:56.55		BZ		
	IAMB	08:50:02.77		BZ	0.153	1.4
	e S	08:59:45.50		LE		
	e SS	09:04:40.41		LN		
	e LR	09:14:32.64		LN		
PVRL	IAMs_20	09:21:22.91		LZ	23.41	20
	e P	08:49:59.64		SZ		
MVO	IAMB	08:50:24.06		SZ	0.137	1.7
	e P	08:49:59.46		BZ		
	IAMB	08:50:07.06		BZ	0.112	1.3
	e S	08:59:52.28		LE		
	e SS	09:05:04.25		LN		
	e LR	09:15:09.46		LZ		
	IAMs_20	09:23:58.66		LZ	18.82	20
PVIS	e P	08:50:02.99		BZ		
MTE	e P	08:50:04.67		BZ		
	IAMB	08:50:11.45		BZ	0.137	1.3
	e S	09:00:01.62		LE		
	e SS	09:05:14.44		LN		
	e LR	09:15:09.46		LZ		
	IAMs_20	09:22:18.40		LZ	22.44	20
	PCAS	e P	08:50:06.45		BZ	
	IAMB	08:50:14.02		BZ	0.192	1.2
	PCBR	e P	08:50:07.49		SZ	
	IAMB	08:50:14.38		SZ	0.142	1.3
	PSARD	e P	08:50:07.71		BZ	
	IAMB	08:50:16.21		BZ	0.076	1.3
	PMRV	e P	08:50:14.29		BZ	
	IAMB	08:50:16.54		BZ	0.064	1.5
	e S	09:00:17.08		LE		
	e SS	09:05:29.05		LN		
	e LR	09:15:52.51		LZ		
	IAMs_20	09:31:04.38		LZ	17.17	20
PMTG	e P	08:50:11.89		BZ		
	IAMB	08:50:18.31		BZ	0.096	1.3
	PMAFR	e P	08:50:11.19		BZ	
	IAMB	08:50:19.65		BZ	0.238	1.4
	PESTR	e P	08:50:15.33		BZ	
	IAMB	08:50:19.61		BZ	0.106	1.4
	PARRA	e P	08:50:16.36		BZ	
	IAMB	08:50:19.78		BZ	0.089	1.5
	EVO	e P	08:50:14.46		BZ	
	IAMB	08:50:21.52		BZ	0.165	1.4
	MOE	e P	08:50:14.75		BZ	
	IAMB	08:50:21.56		BZ	0.144	1.4
	PBAR	e P	08:50:16.16		BZ	
	IAMB	08:50:24.22		BZ	0.176	1.2
	MESJ	e P	08:50:21.21		BZ	
	IAMB	08:50:34.30		BZ	0.080	1.7
	PCVE	e P	08:50:21.29		BZ	
	IAMB	08:50:26.61		BZ	0.146	1.5
	PVAQ	e P	08:50:20.24		BZ	
	IAMB	08:50:28.79		BZ	0.219	1.3
	e S	09:00:37.52		L2		
	e SS	09:05:47.08		L2		
	e LR	09:16:53.34		LZ		
	IAMs_20	09:32:12.99		LZ	19.95	18
MORF	e P	08:50:21.07		BZ		
	IAMB	08:50:28.52		BZ	0.178	1.3
	PBDV	e P	08:50:22.99		BZ	
	IAMB	08:50:29.96		BZ	0.149	1.5
	PFVI	e P	08:50:22.58		BZ	
	IAMB	08:50:33.77		BZ	0.207	1.6

PMOZ e S 09:01:20.44 LN
e SS 09:06:55.92 LN
e LR 09:18:08.97 LZ
IAMS_20 09:24:35.22 LZ 15.29 22

09-Jan Ho 09:09:42.5 ML 1.6
Lat 37.539°N Lon 08.671°W Prof 12
Região: SW Odemira Rms 0.3
AxMax 3.2 AxMin 2.7 Ang 107 ErrZ 5

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PTEO	i Pg	d 09:09:44.54		HZ		
	e Sg	09:09:46.04		HE		
	IAML	09:09:47.30		HZ	0.037	0.5
MORF	i Pg	d 09:09:47.62		HZ		
	e Sg	09:09:50.58		HN		
	IAML	09:09:51.60		HZ	0.044	0.2
PFVI	e Pg	09:09:50.58		HZ		
	e Sg	09:09:56.09		HN		
	IAML	09:09:57.19		HZ	0.020	0.2
MESJ	e P	09:09:51.17		HZ		
	e S	09:09:57.50		HE		
	IAML	09:10:00.92		HZ	0.007	0.3
PCVE	e P	09:09:51.95		HZ		
	e S	09:09:58.93		HE		
	IAML	09:09:59.88		HZ	0.017	0.2
PBDV	e S	09:10:04.56		HE		
	IAML	09:10:07.22		HZ	0.011	0.2
PVAQ	e P	09:09:56.36		HZ		
	e S	09:10:07.52		H1		
	IAML	09:10:09.03		HZ	0.024	0.5
PBEJ	e S	09:10:07.91		EN		
	IAML	09:10:08.73		EZ	0.011	0.2
MOE	e P	09:10:00.87		HZ		
	e S	09:10:14.30		HN		
	IAML	09:10:15.75		HZ	0.016	0.7
EVO	e P	09:10:02.80		HZ		
	e S	09:10:17.57		HN		
	IAML	09:10:18.53		HZ	0.011	0.1
PARRA	e P	09:10:05.60		HZ		
	e S	09:10:24.42		HN		
	IAML	09:10:32.11		HZ	0.007	0.5
PMAFR	e Sg	09:10:29.71		HE		
PMTG	e Pn	09:10:08.56		HZ		
	e Sn	09:10:30.08		HN		
	IAML	09:10:31.75		HZ	0.006	0.2
PESTR	e Sn	09:10:31.35		HE		
	IAML	09:10:34.26		HZ	0.010	0.6
PSARD	e Sg	09:10:47.07		HE		
	IAML	09:10:47.96		HZ	0.005	0.3

09-Jan

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PVAQ	e P	11:20:53.98		HZ		
	e S	11:21:24.11		H2		
	IAML	11:21:26.74		HZ	0.002	0.7
PBAR	e S	11:21:21.83		HE		
	IAML	11:21:42.82		HZ	0.002	0.6

09-Jan

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PVAQ	e S	21:48:35.86		H2		

09-Jan Ho 21:56:06.6 ML 0.9
Lat 38.721°N Lon 07.885°W Prof 17
Região: E Arraiolos Rms 0.1
AxMax 2.3 AxMin 1.5 Ang 123 ErrZ 4

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PARRA	e Pg	d 21:56:10.58		HZ		
	e Sg	21:56:13.45		HN		
	IAML	21:56:13.90		HZ	0.004	0.8
PESTR	e Pg	21:56:10.83		HZ		
	e Sg	21:56:16.70		HN		
MOE	e Pg	21:56:14.52		HZ		
	e Sg	21:56:20.26		HE		
	IAML	21:56:21.46		HZ	0.007	0.6

PMTG e Pg 21:56:14.96 HZ
e Sg 21:56:21.15 HN
IAML 21:56:21.89 HZ 0.003 0.7
PMRV e P 21:56:20.10 HZ
e S 21:56:31.97 HN
IAML 21:56:33.13 HZ 0.015 0.6
PSARD e S 21:56:35.30 HE

09-Jan Ho 22:16:36.3 ML 2.2
Lat 36.886°N Lon 13.530°W Prof 34*
Região: Josephine Rms 0.4
AxMax 12.0 AxMin 8.2 Ang 99 ErrZ 0

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PFVI	e P	22:17:28.20		HZ		
	e S	22:18:08.19		HE		
PTEO	e S	22:18:10.29		HN		
PMAFR	e S	22:18:11.43		HN		
MESJ	e S	22:18:21.66		HE		
MOE	e S	22:18:22.64		HN		
	IAML	22:18:23.91		HZ	0.003	1.0
PCVE	e P	22:17:38.04		HZ		
	e S	22:18:24.60		HE		
	IAML	22:18:26.85		HZ	0.003	0.5
PBDV	e P	22:17:38.52		HZ		
	e S	22:18:25.25		HN		
	IAML	22:18:28.51		HZ	0.005	0.9
PSBE	e S	22:18:27.27		HN		
PVAQ	e P	22:17:40.97		HZ		
	e S	22:18:29.16		H2		
	IAML	22:18:30.53		HZ	0.002	0.6
PMTG	e S	22:18:30.73		HN		
	IAML	22:18:32.05		HZ	0.005	0.8
PARRA	e P	22:17:42.43		HZ		
	e S	22:18:29.52		HN		
	IAML	22:18:41.17		HZ	0.001	0.9
PSARD	e S	22:18:37.39		HE		
	IAML	22:18:48.29		HZ	0.004	0.7
PCAS	e S	22:18:39.20		HN		
PBAR	e S	22:18:44.99		HE		
	IAML	22:18:48.32		HZ	0.002	0.7
PMRV	e P	22:17:51.42		HZ		
	e S	22:18:47.60		HE		
	IAML	22:18:58.17		HZ	0.002	0.7
PVIS	e S	22:18:57.39		HN		

10-Jan Ho 00:10:54.7 ML 2.4
Lat 35.843°N Lon 08.645°W Prof 32
Região: Mar de Marrocos Rms 0.5
AxMax 4.2 AxMin 3.9 Ang 81 ErrZ 9

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PFVI	i P	d 00:11:14.71		HZ		
	e S	00:11:30.02		HN		
	IAML	00:11:32.18		HZ	0.025	0.2
MORF	e P	d 00:11:16.91		HZ		
	e S	00:11:34.11		HN		
	IAML	00:11:36.43		HZ	0.045	0.1
PBDV	e P	00:11:18.17		HZ		
	e S	00:11:35.74		HN		
	IAML	00:11:42.82		HZ	0.019	0.4
PTEO	i P	d 00:11:20.33		HZ		
	e S	00:11:39.85		HN		
	IAML	00:11:40.58		HZ	0.021	0.6
PVAQ	e P	00:11:21.00		HZ		
	e S	00:11:40.87		H2		
	IAML	00:11:49.80		HZ	0.018	0.3
PCVE	i P	d 00:11:22.95		HZ		
	e S	00:11:43.68		HE		
	IAML	00:11:44.56		HZ	0.016	0.3
MESJ	e P	00:11:25.03		HZ		
	e S	00:11:48.07		HE		
	IAML	00:12:00.77		HZ	0.012	0.4
PBEJ	e P	c 00:11:28.32		EZ		
	e S	00:11:53.64		EE		
	IAML	00:11:54.53		EZ	0.010	0.3

PBAR	e P	00:11:33.84	HZ		
	e S	00:12:03.30	HE		
	IAML	00:12:06.08	HZ	0.010	0.3
MOE	e P	00:11:34.07	HZ		
	e S	00:12:04.04	HE		
	IAML	00:12:05.01	HZ	0.018	0.3
PARRA	e P	00:11:38.22	HZ		
	e S	00:12:11.27	HN		
	IAML	00:12:13.61	HZ	0.007	0.2
PESTR	e P	00:11:40.10	HZ		
	e S	00:12:14.56	HN		
	IAML	00:12:19.48	HZ	0.004	0.7
PMAFR	e P	00:11:40.73	HZ		
	e S	00:12:15.92	HN		
	IAML	00:12:18.20	HZ	0.016	0.3
PMTG	e P	00:11:41.47	HZ		
	e S	00:12:16.10	HE		
	IAML	00:12:18.50	HZ	0.013	1.6
PSBE	e P	00:11:47.67	HZ		
	e S	00:12:27.38	HN		
	IAML	00:12:31.37	HZ	0.006	0.4
PMRV	e P	00:11:48.11	HZ		
	e S	00:12:29.00	HN		
	IAML	00:12:30.01	HZ	0.004	0.2
PSARD	e P	00:11:48.91	HZ		
	e S	00:12:30.14	HN		
	IAML	00:12:31.55	HZ	0.016	0.6
PCBR	e P	00:11:53.48	EZ		
	e S	00:12:37.85	EE		
	IAML	00:12:38.81	EZ	0.015	0.2
PCAS	e P	00:11:55.49	HZ		
	e S	00:12:40.46	HE		
	IAML	00:12:44.38	HZ	0.005	0.7
MTE	e S	00:12:50.55	HN		
PVIS	e P	00:12:04.92	HZ		
	e S	00:12:55.62	HE		
MVO	e P	00:12:12.43	HZ		
	e S	00:13:10.45	HN		
	IAML	00:13:12.62	HZ	0.004	0.5
POLO	e P	00:12:13.69	HZ		
	e S	00:13:12.30	HN		
	IAML	00:13:15.39	HZ	0.004	0.6
PCAB	e P	00:12:18.31	EZ		
	e S	00:13:20.52	EN		
PGAV	e P	00:12:21.01	HZ		
	e S	00:13:26.75	HN		

10-Jan Ho 01:05:37.8 Distante (NEIC) Mw 5.4
Lat 21.430°S Lon 175.244°W Prof 10
Região: Tonga Islands

Est	Fase	P h:m:s	Dur	Co	Amp	Per
POLO	e PKPab	01:26:05.57		BZ		
	i -	01:26:22.56		BZ		
PVRL	e PKPab	01:26:06.36		SZ		
MVO	e PKPab	01:26:07.51		BZ		
PVIS	e PKPab	01:26:07.42		BZ		
MTE	e PKPab	01:26:09.58		BZ		
PSARD	e PKPab	01:26:11.14		BZ		
	i -	01:26:28.21		BZ		
PMRV	e PKPab	01:26:12.86		BZ		
PESTR	e PKPab	01:26:14.25		BZ		

10-Jan Ho 05:27:41.3 ML 2.1
Lat 37.009°N Lon 03.997°W Prof 13
Região: SW Granada (ESP) Rms 0.4
AxMax 4.4 AxMin 3.2 Ang 154 ErrZ 5

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PBAR	e Pn	05:28:23.76		HZ		
	e Pg	05:28:30.55		HZ		
	e Sn	05:28:54.47		HE		
	e Sg	05:29:06.06		HN		
	IAML	05:29:12.39		HZ	0.005	0.5
PVAQ	e Pn	05:28:26.65		HZ		
	e Sn	05:29:01.82		H2		
	e Sg	05:29:17.02		H1		

	IAML	05:29:23.90	HZ	0.004	0.5
PBDV	e Pn	05:28:29.20	HZ		
	e Sn	05:29:05.89	HN		
PCVE	e Pn	05:28:32.07	HZ		
	e Sg	05:29:28.49	HE		
PESTR	e Pn	05:28:33.56	HZ		
	e S	05:29:10.72	HE		
	e Sg	05:29:27.83	HE		
	IAML	05:29:30.70	HZ	0.004	0.5
MESJ	e P	05:28:34.09	HZ		
PMRV	e Pn	05:28:36.19	HZ		
	e Sn	05:29:15.00	HN		
	e Sg	05:29:32.08	HE		
	IAML	05:29:38.32	HZ	0.003	0.3
PARRA	e Pn	05:28:36.84	HZ		
	e Sn	05:29:17.00	HE		
	e Sg	05:29:35.68	HE		
	IAML	05:29:42.54	HZ	0.004	0.4
MORF	e Pn	05:28:29.64	HZ		
MOE	e Sn	05:29:21.32	HE		
	e Sg	05:29:41.67	HE		
PMTG	e Pn	05:28:40.37	HZ		
	e Sn	05:29:24.32	HE		
	e Sg	05:29:45.33	HN		
	IAML	05:29:52.20	HZ	0.004	0.4
PCBR	e Pn	05:28:40.96	EZ		
	e Sg	05:29:44.10	EN		
PSARD	e Pn	05:28:43.86	HZ		
	e Sn	05:29:29.10	HN		
	e Sg	05:29:52.75	HE		
	IAML	05:30:02.36	HZ	0.006	0.5
MTE	e Pn	05:28:46.76	HZ		
PSBE	e Pn	05:28:49.40	HZ		
PVIS	e Pn	05:28:52.15	HZ		

10-Jan Ho 08:44:41.6 ML 1.5
Lat 38.184°N Lon 08.984°W Prof 23
Região: W Melides Rms 0.1
AxMax 3.4 AxMin 1.9 Ang 36 ErrZ 2

Est	Fase	P h:m:s	Dur	Co	Amp	Per
GGNV	e S	08:44:59.76		HE		
	IAML	08:45:00.48		HZ	0.384	0.1
MOE	e P	08:44:53.01		HZ		
	e S	08:45:01.55		HN		
	IAML	08:45:01.91		HZ	0.006	0.6
PARRA	e P	08:44:58.62		HZ		
	e S	08:45:11.15		HN		
	IAML	08:45:12.82		HZ	0.003	0.3
PMTG	e P	08:44:59.71		HZ		
	e S	08:45:13.50		HN		
	IAML	08:45:15.39		HZ	0.003	0.6

10-Jan

Est	Fase	P h:m:s	Dur	Co	Amp	Per
MOE	e P	11:35:20.60		HZ		
	e S	11:35:32.55		HE		
	IAML	11:35:33.84		HZ	0.004	0.2
PARRA	e P	11:35:20.77		HZ		
	e S	11:35:33.22		HN		
	IAML	11:35:33.48		HZ	0.002	0.2
MESJ	e S	11:35:27.80		HE		
	IAML	11:35:28.42		HZ	0.001	0.2
PMRV	e S	11:35:46.43		HE		
	IAML	11:35:46.73		HZ	0.001	0.3

10-Jan Ho 15:21:21.6 Distante (NEIC) Mw 5.6
Lat 18.455°N Lon 105.233°W Prof 10
Região: Off Coast of Jalisco, Mexico

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PCAS	e P	15:33:53.55		BZ		
	IAMB	15:33:55.01		BZ	0.138	1.8
PVIS	e P	15:33:53.12		BZ		
PSARD	e P	15:33:55.67		BZ		
	IAMB	15:33:57.61		BZ	0.091	1.8

PMTG	e P	15:33:55.73	BZ			
	I Amb	15:33:58.22	BZ	0.131	1.7	
MOE	e P	15:33:54.80	BZ			
	I Amb	15:33:58.93	BZ	0.127	1.7	
MTE	e P	15:33:55.76	BZ			
	I Amb	15:33:58.33	BZ	0.120	1.7	
MVO	e P	15:33:57.00	BZ			
	I Amb	15:33:59.38	BZ	0.102	1.7	
PARRA	e P	15:33:56.95	BZ			
	I Amb	15:33:59.33	BZ	0.101	1.8	
PCBR	e P	15:33:57.70	SZ			
	I Amb	15:33:59.55	SZ	0.090	1.7	
MESJ	e P	15:33:57.79	BZ			
	I Amb	15:34:12.21	BZ	0.078	1.7	
PMRV	e P	15:33:56.48	BZ			
	I Amb	15:34:00.45	BZ	0.132	1.8	
PESTR	e P	15:33:58.38	BZ			
	I Amb	15:34:02.64	BZ	0.076	1.5	
PBEJ	e P	15:33:57.52	SZ			
	I Amb	15:34:01.33	SZ	0.055	1.7	
PCVE	e P	15:33:59.20	BZ			
	I Amb	15:34:01.68	BZ	0.083	1.7	
PVAQ	e P	15:34:00.17	BZ			
	I Amb	15:34:02.16	BZ	0.075	1.5	
PBAR	e P	15:34:01.59	BZ			
	I Amb	15:34:04.09	BZ	0.080	1.7	

10-Jan	Ho	16:32:30.6	Distante (NEIC)		mb 5.0	
	Lat	15.336°S	Lon 167.522°E		Prof 120	
Região: Vanuatu Islands						
Est	Fase	P	h:m:s	Dur	Co	Amp Per
POLO	e PKPab		16:52:30.16		BZ	
PVRL	e PKPbc		16:52:16.44		SZ	
	e PKPab		16:52:30.64		SZ	
PVIS	e PKPab		16:52:32.67		BZ	
PCBR	e PKPab		16:52:36.03		SZ	
PMTG	e PKPdf		16:52:08.18		BZ	
PESTR	e PKPab		16:52:40.14		BZ	
PARRA	e PKPab		16:52:40.44		BZ	
PBAR	e PKPab		16:52:42.74		BZ	
MESJ	e PKPab		16:52:45.43		BZ	

10-Jan	Ho	22:26:26.0	Distante (IPMA)			Prof	10
	Lat	17.920°N	Lon	66.770°W			
Região: Puerto Rico Region							
Est	Fase	P	h:m:s	Dur	Co	Amp	Per
PSBE	e P		22:35:54.93		BZ		
MOE	e P		22:35:54.15		BZ		
	I Amb		22:35:56.55		BZ	0.051	1.4
PCAS	e P		22:35:54.65		BZ		
	I Amb		22:35:59.94		BZ	0.050	1.5
MESJ	e P		22:35:55.07		BZ		
PMTG	e P		22:35:55.85		BZ		
	I Amb		22:35:57.69		BZ	0.072	1.5
PBDV	e P		22:35:56.16		BZ		
PSARD	e P		22:35:56.86		BZ		
	I Amb		22:35:58.14		BZ	0.064	1.8
PARRA	e P		22:35:56.78		BZ		
	I Amb		22:35:57.99		BZ	0.065	1.4
PBEJ	e P		22:35:56.51		SZ		
	I Amb		22:35:58.79		SZ	0.040	1.4
PGAV	e P		22:35:56.91		BZ		
PVIS	e P		22:35:57.59		BZ		
PCAB	e P		22:35:59.03		SZ		
PESTR	e P		22:35:58.52		BZ		
	I Amb		22:36:00.61		BZ	0.068	1.3
POLO	e P		22:35:59.53		BZ		
	I Amb		22:36:01.22		BZ	0.031	1.3
PVRL	e P		22:36:00.21		SZ		
	I Amb		22:36:01.99		SZ	0.106	1.7
MTE	e P		22:36:00.85		BZ		
PCBR	e P		22:36:00.88		SZ		
	I Amb		22:36:05.82		SZ	0.049	1.7
PMRV	e P		22:35:59.96		BZ		
	I Amb		22:36:01.74		BZ	0.060	1.4

PBAR	e P	22:36:02.82	BZ			
	I Amb	22:36:04.30	BZ	0.044	1.7	
MVO	e P	22:36:03.42	BZ			
	I Amb	22:36:05.09	BZ	0.071	1.3	

11-Jan	Ho	01:39:49.1			ML 1.7			
	Lat	36.654°N		Lon	07.580°W	Prof 19		
	Região: Golfo de Cádiz					Rms 0.5		
	AxMax	2.8	AxMin	2.8	Ang	54	ErrZ	4
Est	Fase	P	h:m:s	Dur	Co	Amp	Per	
PBDV	e P	d	01:40:01.62		HZ			
	e S		01:40:10.89		HN			
	IAML		01:40:12.67		HZ	0.008	0.2	
PVAQ	e P	d	01:40:02.86		HZ			
	e S		01:40:12.36		H2			
	IAML		01:40:13.05		HZ	0.017	0.2	
PCVE	e P		01:40:07.15		HZ			
	e S		01:40:20.18		HN			
	IAML		01:40:24.87		HZ	0.004	0.2	
MORF	e P		01:40:07.58		HZ			
	e S		01:40:21.73		HE			
	IAML		01:40:31.01		HZ	0.006	0.2	
PFVI	e P		01:40:08.27		HZ			
	e S		01:40:21.94		HE			
PTEO	e P		01:40:10.66		HZ			
	e S		01:40:26.07		HN			
	IAML		01:40:37.31		HZ	0.009	0.7	
MESJ	e P		01:40:10.50		HZ			
	e S		01:40:26.81		HN			
	IAML		01:40:39.52		HZ	0.005	0.2	
PBEJ	e P		01:40:11.78		EZ			
	e S		01:40:29.78		EE			
	IAML		01:40:38.84		EZ	0.003	0.4	
PBAR	e P		01:40:14.15		HZ			
	e S		01:40:34.19		HE			
	IAML		01:40:38.28		HZ	0.003	0.2	
MOE	e P		01:40:20.00		HZ			
	e S		01:40:43.08		HE			
	IAML		01:40:45.48		HZ	0.004	0.2	
PARRA	e P	c	01:40:22.86		HZ			
	e S		01:40:48.09		HN			
	IAML		01:40:48.49		HZ	0.003	0.3	
PESTR	e P		01:40:22.98		HZ			
	e S		01:40:48.86		HE			
	IAML		01:40:49.38		HZ	0.002	0.1	
PMTG	e P		01:40:26.62		HZ			
	e S		01:40:55.25		HN			
	IAML		01:40:56.27		HZ	0.002	0.1	
PMAFR	e P		01:40:30.05		HZ			
	e S		01:41:01.31		HN			
PMRV	e P		01:40:30.57		HZ			
	e S		01:41:02.03		HE			
	IAML		01:41:07.63		HZ	0.002	0.9	
PSARD	e P	d	01:40:33.73		HZ			
	e S		01:41:06.88		HN			
	IAML		01:41:08.05		HZ	0.005	0.2	
PSBE	e P		01:40:35.01		HZ			
	e S		01:41:09.31		HE			
PCBR	e P		01:40:36.36		EZ			
	e S		01:41:11.82		EE			
	IAML		01:41:12.35		EZ	0.002	0.3	
PCAS	e P		01:40:40.81		HZ			
MTE	e P		01:40:43.91		HZ			
	e S		01:41:25.84		HN			
MVO	e P		01:40:54.89		HZ			
	e S		01:41:43.69		HE			
	IAML		01:41:44.81		HZ	0.002	0.1	
POLO	e P		01:40:57.47		HZ			
	e S		01:41:49.17		HE			
PGAV	e P		01:41:06.46		HZ			
	e S		01:42:04.68		HN			

11-Jan	Ho	02:28:23.0	Distante (IPMA)				
	Lat	17.970°N	Lon	66.830°W	Prof	10	
	Região: Puerto Rico Region						
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp</i>	<i>Per</i>	
PSBE	e P	02:37:49.86		BZ			
MOE	e P	02:37:51.35		BZ			
	I Amb	02:37:53.24		BZ	0.064	1.5	
PCAS	e P	02:37:51.67		BZ			
	I Amb	02:37:54.28		BZ	0.051	1.5	
PMTG	e P	02:37:54.57		BZ			
	I Amb	02:37:55.71		BZ	0.044	1.5	
PBDV	e P	02:37:48.47		BZ			
PARRA	e P	02:37:53.19		BZ			
	I Amb	02:37:55.85		BZ	0.049	1.4	
PBEJ	e P	02:37:54.14		SZ			
PGAV	e P	02:37:57.40		BZ			
PVAQ	e P	02:37:54.48		BZ			
	I Amb	02:37:55.96		BZ	0.049	2.2	
PVIS	e P	02:37:55.07		BZ			
PCAB	e P	02:37:55.07		SZ			
PESTR	e P	02:37:56.16		BZ			
POLO	e P	02:37:56.37		BZ			
	I Amb	02:37:59.81		BZ	0.019	2.3	
PVRL	e P	02:37:56.52		SZ			
	I Amb	02:37:59.31		SZ	0.056	1.5	
PCBR	e P	02:37:56.57		SZ			
MTE	e P	02:37:56.95		BZ			
PMRV	e P	02:37:56.67		BZ			
	I Amb	02:37:59.49		BZ	0.032	1.5	
MVO	e P	02:38:00.38		BZ			

11-Jan	Ho	04:01:02.4	Distante (IPMA)		ML	1.2	
	Lat	36.671°N	Lon	07.526°W	Prof	20	
	Região: Golfo de Cádiz						
	AxMax	4.8	AxMin	3.5	Ang	45	ErrZ 4
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp</i>	<i>Per</i>	
PBDV	e P	04:01:14.88		HZ			
	e S	04:01:23.71		HN			
PVAQ	e P	04:01:16.14		HZ			
	e S	04:01:25.61		HZ			
	I AML	04:01:26.21		HZ	0.005	0.2	
PCVE	e P	04:01:20.51		HZ			
	e S	04:01:33.45		HN			
PFVI	e P	04:01:21.62		HZ			
PTEO	e P	04:01:23.99		HZ			
	e S	04:01:39.74		HN			
PBAR	e P	04:01:27.46		HZ			
	e S	04:01:46.35		HE			
MOE	e S	04:01:56.38		HE			
PARRA	e P	04:01:36.12		HZ			
	e S	04:02:01.35		HN			
PESTR	e S	04:02:00.97		HN			
PMTG	e P	04:01:40.08		HZ			
	e S	04:02:08.04		HN			
	I AML	04:02:10.86		HZ	0.002	0.8	
PMRV	e P	04:01:43.98		HZ			
	e S	04:02:15.39		HN			
PSARD	e P	04:01:47.15		HZ			
	e S	04:02:20.02		HN			
	I AML	04:02:21.80		HZ	0.001	0.2	
PCBR	e P	04:01:49.64		EZ			
	e S	04:02:24.87		EN			

11-Jan	Ho	12:54:46.0	Distante (IPMA)		Mw	5.8	
	Lat	17.790°N	Lon	66.770°W	Prof	10	
	Região: Puerto Rico Region						
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp</i>	<i>Per</i>	
PMOZ	e LQ	13:13:41.07		LN			
	e LR	13:16:22.84		LZ			
	I Ams_20	13:19:06.96		LZ	6.006	20	
PMAR	e P	13:03:20.02		BZ			
	I Amb	13:03:22.72		BZ	0.389	1.1	
PFVI	e P	13:04:11.40		BZ			
PTEO	e P	13:04:12.36		BZ			
	I Amb	13:04:15.62		BZ	0.140	1.6	

MORF	e S	13:12:03.96	BN			
	e P	13:04:12.43	BZ			
	I Amb	13:04:15.30	BZ	0.188	1.3	
	e S	13:11:53.68	BE			
PSBE	e P	13:04:12.95	BZ			
	I Amb	13:04:16.14	BZ	0.201	2.6	
MOE	e P	13:04:14.70	BZ			
	I Amb	13:04:17.72	BZ	0.158	2.7	
	e S	13:11:59.55	BE			
PCAS	e P	13:04:14.59	BZ			
	I Amb	13:04:17.60	BZ	0.120	1.3	
	e S	13:11:57.35	BE			
MESJ	e P	13:04:15.07	BZ			
	I Amb	13:04:18.06	BZ	0.158	1.2	
	e S	13:12:01.02	BE			
PTO	e P	13:04:14.37	SZ			
	I Amb	13:04:25.03	SZ	0.116	1.3	
PMTG	e P	13:04:15.55	BZ			
	I Amb	13:04:18.95	BZ	0.129	1.8	
PCVE	e P	13:04:16.23	BZ			
	I Amb	13:04:20.17	BZ	0.067	1.8	
PBDV	e P	13:04:17.21	BZ			
	I Amb	13:04:19.90	BZ	0.196	1.4	
	e S	13:12:03.96	BE			
PSARD	e P	13:04:15.68	BZ			
	I Amb	13:04:19.41	BZ	0.125	2.3	
PARRA	e P	13:04:16.09	BZ			
	I Amb	13:04:19.21	BZ	0.186	1.0	
	e S	13:12:03.96	BN			
PBEJ	e P	13:04:17.23	SZ			
	I Amb	13:04:20.63	SZ	0.122	2.4	
PVAQ	e P	13:04:18.43	BZ			
	I Amb	13:04:23.33	BZ	0.115	0.9	
	e S	13:12:07.63	BZ			
	e LQ	13:18:10.40	L1			
	e LR	13:20:09.78	LZ			
	I Ams_20	13:23:58.88	LZ	10.59	20	
PGAV	e P	13:04:17.47	BZ			
	I Amb	13:04:20.11	BZ	0.124	1.9	
	e S	13:12:03.96	BE			
	e LQ	13:17:14.91	LN			
	e LR	13:20:14.63	LZ			
	I Ams_20	13:23:21.40	LZ	7.950	20	
PVIS	e P	13:04:18.43	BZ			
	e S	13:12:06.16	BE			
PCAB	e P	13:04:18.66	SZ			
PESTR	e P	13:04:18.91	BZ			
	I Amb	13:04:21.70	BZ	0.170	1.1	
POLO	e P	13:04:19.54	BZ			
	I Amb	13:04:24.15	BZ	0.081	1.1	
	e S	13:12:14.26	BE			
PVRL	e P	13:04:19.91	SZ			
	I Amb	13:04:22.46	SZ	0.180	1.1	
PCBR	e P	13:04:20.06	SZ			
	I Amb	13:04:23.62	SZ	0.088	1.8	
MTE	e P	13:04:19.38	BZ			
	I Amb	13:04:22.17	BZ	0.113	0.7	
	e S	13:12:07.63	BE			
	e LQ	13:17:03.94	LN			
	e LR	13:20:14.08	LZ			
	I Ams_20	13:23:12.37	LZ	10.64	20	
PMRV	e P	13:04:20.35	BZ			
	e LQ	13:17:50.86	LN			
	e LR	13:20:07.66	LZ			
	I Ams_20	13:23:13.27	LZ	5.668	22	
PBAR	e P	13:04:21.77	BZ			
	I Amb	13:04:25.53	BZ	0.078	1.5	
	e S	13:12:19.37	BE			
MVO	e P	13:04:23.95	BZ			
	I Amb	13:04:26.65	BZ	0.172	2.6	
	I AML	13:04:26.89	BZ	0.170	1.2	
	e LQ	13:17:29.01	LN			
	e LR	13:20:27.45	LZ			
	I Ams_20	13:23:48.15	LZ	9.620	20	

11-Jan	Ho	13:37:37.1	Distante (NEIC)	mb 4.9
	Lat	40.929°N	Lon 28.239°E	Prof 10
	Região: Turkey			
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>
MTE	e P	13:43:20.37		BZ
PCBR	e P	13:43:21.03		SZ
PMRV	e P	13:43:20.47		BZ
	IAMB	13:43:29.67		BZ 0.042 1.7
PVIS	e P	13:43:21.42		BZ
PESTR	e P	13:43:27.53		BZ
	IAMB	13:43:33.56		BZ 0.031 1.7
PSARD	e P	13:43:25.82		BZ
PARRA	e P	13:43:29.00		BZ
PMTG	e P	13:43:26.62		BZ
PCVE	e P	13:43:33.57		BZ
PBDV	e P	13:43:34.90		BZ
	IAMB	13:43:35.48		BZ 0.065 1.3

11-Jan	Ho	20:44:13.6	ML 0.9
	Lat	36.700°N	Lon 07.604°W
	Região: Golfo de Cádiz		Prof 22
	AxMax	7.4	AxMin 5.1
	Ang	124	ErrZ 4
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>
PBDV	e Pg	20:44:25.26	
	e Sg	20:44:33.72	
	IAML	20:44:34.61	
PVAQ	e Pg	20:44:26.38	
	e Sg	20:44:35.86	
	IAML	20:44:36.18	
PCVE	e P	20:44:30.75	
	e S	20:44:43.70	
	IAML	20:44:44.34	
MORF	e P	20:44:31.93	
	e S	20:44:44.71	
	IAML	20:44:45.62	
PFVI	e P	20:44:31.82	
	e S	20:44:45.58	
PTEO	e S	20:44:49.21	
MESJ	e P	20:44:34.70	
	e S	20:44:49.14	
	IAML	20:44:52.02	
PBAR	e Sn	20:44:56.63	
MOE	e Sn	20:45:06.49	
PARRA	e Pn	20:44:46.37	
	e Sn	20:45:11.59	
PMTG	e Pn	20:44:50.26	
	e Sn	20:45:18.55	
PMRV	e Sn	20:45:25.49	
PSARD	e Sn	20:45:30.12	
	IAML	20:45:36.18	

11-Jan	Ho	22:25:57.6	ML 0.9
	Lat	36.684°N	Lon 07.621°W
	Região: Golfo de Cádiz		Prof 20
	AxMax	8.6	AxMin 5.8
	Ang	122	ErrZ 4
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>
PBDV	e Pg	22:26:09.48	
	e Sg	22:26:18.10	
PVAQ	e P	22:26:10.77	
	e S	22:26:20.13	
	IAML	22:26:21.12	
PCVE	e S	22:26:27.91	
	IAML	22:26:28.57	
MORF	e S	22:26:29.42	
PFVI	e P	22:26:16.05	
	e S	22:26:29.35	
PTEO	e P	22:26:18.44	
	e S	22:26:33.43	
MESJ	e P	22:26:18.33	
	e S	22:26:33.50	
PBAR	e Sn	22:26:41.75	
MOE	e Sn	22:26:50.74	
PARRA	e Pn	22:26:30.73	
	e Sn	22:26:55.43	

PMTG	e Pn	22:26:34.60	
	e Sn	22:27:02.87	
	IAML	22:27:04.05	
PSARD	e Sn	22:27:14.84	

11-Jan	Ho	23:22:57.7	ML 1.5
	Lat	36.546°N	Lon 11.059°W
	Região: Gorringe		Prof 16
	AxMax	11.3	AxMin 5.5
	Ang	77	ErrZ 13
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>
PFVI	e P	23:23:27.34	
	e S	23:23:49.10	
	IAML	23:23:50.10	
MORF	e P	23:23:30.07	
	e S	23:23:54.67	
	IAML	23:23:55.31	
PTEO	e P	23:23:30.57	
	e S	23:23:55.40	
	IAML	23:23:56.78	
PBDV	e P	23:23:37.66	
	e S	23:24:07.07	
MESJ	e P	23:23:37.57	
	e S	23:24:07.89	
PCVE	e P	23:23:38.82	
	e S	23:24:08.25	
PMAFR	e S	23:24:10.82	
PVAQ	e P	23:23:40.58	
	e S	23:24:11.82	
	IAML	23:24:12.96	
MOE	e P	23:23:41.49	
	e S	23:24:14.83	
	IAML	23:24:15.35	
PARRA	e P	23:23:46.42	
	e S	23:24:23.26	
	IAML	23:24:26.05	
PMTG	e P	23:23:47.25	
	e S	23:24:24.81	
	IAML	23:24:28.18	
PSBE	e S	23:24:28.19	
PBAR	e P	23:23:51.34	
	e S	23:24:31.11	
	IAML	23:24:33.58	
PESTR	e S	23:24:30.73	
PCAS	e S	23:24:41.52	
PMRV	e P	23:23:57.15	
	e S	23:24:41.73	
	IAML	23:24:43.97	
PVIS	e S	23:25:00.51	
POLO	e S	23:25:15.24	

11-Jan	Est	Fase	P h:m:s	Dur	Co	Amp	Per
	PARRA	e Pg	23:51:07.02		HZ		
		e Sg	23:51:10.09		HE		
		IAML	23:51:11.48		HZ	0.006	0.2

11-Jan	Ho	23:49:40.6	Distante (NEIC)	ML 4.6
	Lat	17.942°N	Lon 66.840°W	Prof 8
	Região: Puerto Rico Region			
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>
PCAS	e P	23:59:09.75		BZ
PMTG	e P	23:59:10.57		BZ
PBDV	e P	23:59:12.29		BZ
PSARD	e P	23:59:12.48		BZ
PARRA	e P	23:59:10.51		BZ
PVIS	e P	23:59:13.55		BZ
PCAB	e P	23:59:13.87		SZ
PESTR	e P	23:59:14.80		BZ
POLO	e P	23:59:14.47		BZ
PVRL	e P	23:59:14.92		SZ
	IAMB	23:59:18.11		SZ 0.021 1.7
PCBR	e P	23:59:15.30		SZ
MTE	e P	23:59:15.54		BZ
PMRV	e P	23:59:15.44		BZ
PBAR	e P	23:59:18.18		BZ

MVO e P 23:59:18.52 BZ
IAmb 23:59:25.68 BZ 0.021 1.8

12-Jan Ho 00:52:40.9 ML 1.6
Lat 42.766°N Lon 09.036°W Prof 1*
Região: Costa da Galiza (ESP) Rms 0.4
AxMax 5.1 AxMin 1.9 Ang 94 ErrZ 0

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PGAV	e P	00:52:58.87		HZ		
	e S	00:53:11.94		HE		
	IAML	00:53:12.91		HZ	0.009	0.3
PCAB	e P	00:53:05.14		EZ		
	e S	00:53:22.08		EN		
	IAML	00:53:25.36		EZ	0.009	0.1
POLO	e Pn	00:53:10.23		HZ		
	e Sn	00:53:29.67		HE		
	e Sg	00:53:33.47		HN		
	IAML	00:53:36.83		HZ	0.002	0.4
PVRL	e Pn	00:53:10.75		SZ		
	e Sg	00:53:36.24		SN		
	IAML	00:53:38.93		SZ	0.007	0.1
MVO	e Pn	00:53:18.63		HZ		
	e Sn	00:53:43.36		HE		
	e Sg	00:53:51.04		HN		
	IAML	00:53:51.47		HZ	0.003	0.4
PVIS	e Sg	00:53:49.50		HN		
MTE	e Sn	00:53:55.50		HE		
	e Sg	00:54:04.59		HN		
	IAML	00:54:09.12		HZ	0.004	0.4
PCAS	e Pn	00:53:23.38		HZ		
	e Sn	00:53:54.84		HE		
	e Sg	00:54:07.83		HN		
	IAML	00:54:12.04		HZ	0.002	0.6
PSARD	e Pn	00:53:30.76		HZ		
	e Sn	00:54:07.99		HE		
	e Sg	00:54:24.59		HN		
	IAML	00:54:26.18		HZ	0.002	0.2
PMRV	e Pn	00:53:35.62		HZ		
	e Sg	00:54:32.73		HE		
	IAML	00:54:38.91		HZ	0.001	0.9
PMTG	e Pn	00:53:37.28		HZ		
	e Sn	00:54:20.29		HE		

12-Jan Ho 02:27:00.3 Distante (NEIC) Mw 5.6
Lat 54.395°S Lon 05.206°E Prof 10
Região: Bouvet Island Region

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PFVI	e P	02:40:09.99		BZ		
	IAMB	02:40:13.81		BZ	0.169	1.8
PBDV	e P	02:40:09.99		BZ		
	IAMB	02:40:15.03		BZ	0.117	1.7
PVAQ	e P	02:40:11.91		BZ		
	IAMB	02:40:15.30		BZ	0.111	2.0
	e LR	03:10:14.28		LZ		
	IAMS_20	03:18:38.84		LZ	0.834	20
MORF	e P	02:40:11.56		BZ		
	IAMB	02:40:14.47		BZ	0.096	1.6
PTEO	e P	02:40:14.24		BZ		
	IAMB	02:40:15.67		BZ	0.096	1.8
PCVE	e P	02:40:11.92		BZ		
	IAMB	02:40:16.60		BZ	0.070	1.9
MESJ	e P	02:40:15.00		BZ		
	IAMB	02:40:17.64		BZ	0.081	2.0
PBAR	e P	02:40:13.91		BZ		
	IAMB	02:40:17.43		BZ	0.072	1.5
MOE	e P	02:40:16.70		BZ		
	IAMB	02:40:20.68		BZ	0.060	1.8
PARRA	e P	02:40:18.07		BZ		
	IAMB	02:40:21.90		BZ	0.113	1.8
PESTR	e P	02:40:19.35		BZ		
	IAMB	02:40:21.02		BZ	0.061	1.8
PMTG	e P	02:40:20.77		BZ		
	IAMB	02:40:23.14		BZ	0.070	1.7
PMRV	e P	02:40:19.42		BZ		
	IAMB	02:40:23.93		BZ	0.100	1.8

e LR 03:11:33.67 LZ
IAMS_20 03:20:52.66 LZ 0.983 20
PCBR e P 02:40:23.47 SZ
IAmb 02:40:25.56 SZ 0.038 1.8
MTE e LR 03:11:18.42 LZ
IAMS_20 03:18:58.08 LZ 1.230 20
PVIS e P 02:40:27.70 BZ
MVO e P 02:40:30.84 BZ
IAmb 02:40:32.77 BZ 0.049 2.0
e LR 03:11:58.86 LZ
IAMS_20 03:18:13.03 LZ 0.762 20
POLO e P 02:40:32.22 BZ
IAmb 02:40:34.95 BZ 0.028 1.7
PGAV e LR 03:12:50.79 LZ
IAMS_20 03:18:49.57 LZ 0.852 22

12-Jan Ho 03:05:06.4 ML 1.6
Lat 43.219°N Lon 08.674°W Prof 19
Região: SW Coruna (ESP) Rms 0.4
AxMax 5.5 AxMin 3.7 Ang 98 ErrZ 3

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PGAV	e Pn	03:05:26.85		HZ		
	e Pg	03:05:32.83		HZ		
	e Sg	03:05:47.21		HE		
	IAML	03:05:54.09		HZ	0.005	0.1
PCAB	e Pn	03:05:31.31		EZ		
	e Sg	03:05:56.16		EN		
	IAML	03:06:01.29		EZ	0.009	0.3
POLO	e Pn	03:05:36.67		HZ		
	e Sn	03:05:59.40		HE		
	e Sg	03:06:07.28		HE		
	IAML	03:06:12.80		HZ	0.002	0.6
PVRL	e Pn	03:05:38.29		SZ		
	e Sg	03:06:09.77		SN		
	IAML	03:06:17.55		SZ	0.004	0.3
MVO	e Pn	03:05:42.67		HZ		
	e Sn	03:06:10.34		HN		
	e Sg	03:06:22.48		HE		
	IAML	03:06:32.05		HZ	0.002	0.4
PVIS	e Pn	03:05:45.19		HZ		
	e Sg	03:06:26.83		HE		
MTE	e Pn	03:05:50.04		HZ		
	e Sn	03:06:23.39		HN		
	e Sg	03:06:38.92		HE		
	IAML	03:06:47.14		HZ	0.002	0.4
PCAS	e Pn	03:05:53.61		HZ		
	e Sn	03:06:28.29		HN		
	e Sg	03:06:46.09		HN		
	IAML	03:07:10.30		HZ	0.002	0.7
PSARD	e Pn	03:05:59.85		HZ		
	e Sn	03:06:39.92		HE		
PSBE	e Pn	03:06:01.02		HZ		
	e Sn	03:06:41.80		HE		
PMRV	e Pn	03:06:03.69		HZ		
	e Sn	03:06:46.39		HE		
PMTG	e Pn	03:06:06.79		HZ		
	e Sn	03:06:51.68		HN		

12-Jan Ho 05:23:56.5 Distante (NEIC) mb 5.1
Lat 35.015°N Lon 74.474°E Prof 10
Região: Northwestern Kashmir

Est	Fase	P h:m:s	Dur	Co	Amp	Per
MVO	e P	05:34:17.40		BZ		
	IAMB	05:34:18.04		BZ	0.030	1.4
POLO	e P	05:34:20.20		BZ		
	IAMB	05:34:21.50		BZ	0.018	1.3
PGAV	e P	05:34:21.28		BZ		
	IAMB	05:34:36.11		BZ	0.061	1.9
MTE	e P	05:34:22.28		BZ		
	IAMB	05:34:23.25		BZ	0.031	2.1
PVIS	e P	05:34:22.87		BZ		
PCBR	e P	05:34:23.37		SZ		
	IAMB	05:34:37.37		SZ	0.013	1.6
PMRV	e P	05:34:23.88		BZ		
	IAMB	05:34:33.54		BZ	0.014	1.5

PTO	e P	05:34:24.85	SZ				
	I Amb	05:34:26.47	SZ	0.029	1.9		
PBAR	e P	05:34:25.50	BZ				
	I Amb	05:34:27.36	BZ	0.019	1.6		
PESTR	e P	05:34:25.92	BZ				
	I Amb	05:34:31.44	BZ	0.018	1.9		
PSARD	e P	05:34:27.01	BZ				
	I Amb	05:34:32.15	BZ	0.016	1.2		
PCAS	e P	05:34:27.06	BZ				
	I Amb	05:34:28.73	BZ	0.033	1.7		
PMTG	e P	05:34:28.07	BZ				
	I Amb	05:34:30.23	BZ	0.023	1.6		
PBEJ	e P	05:34:30.00	SZ				
	I Amb	05:34:35.07	SZ	0.021	1.5		
PSBE	e P	05:34:30.42	BZ				
	I Amb	05:34:33.01	BZ	0.036	1.5		
MOE	e P	05:34:31.27	BZ				
	I Amb	05:34:32.37	BZ	0.030	1.9		
PVAQ	e P	05:34:30.69	BZ				
	I Amb	05:34:36.84	BZ	0.029	1.6		
MESJ	e P	05:34:32.50	BZ				
	I Amb	05:34:47.72	BZ	0.022	1.6		
PBDV	e P	05:34:32.01	BZ				
PMAFR	e P	05:34:34.26	BZ				
	I Amb	05:34:43.87	BZ	0.043	1.5		

12-Jan	Ho	07:25:15.0	Distante (NEIC)	mb	4.8		
	Lat	82.216°N	Lon	117.461°E	Prof	10	
	Região: North of Severnaya Zemlya						
<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 P	07:34:37.86		BZ			
	I Amb	07:34:42.59		BZ	0.023	1.7	
PCAS	e P	07:34:46.99		BZ			
	I Amb	07:34:49.63		BZ	0.035	1.7	
PCBR	e P	07:34:47.83		SZ			
	I Amb	07:35:00.76		SZ	0.019	1.4	
PSARD	e P	07:34:48.16		BZ			
	I Amb	07:35:09.96		BZ	0.019	1.5	
PMRV	e P	07:34:50.49		BZ			
	I Amb	07:34:55.68		BZ	0.019	1.9	
PMTG	e P	07:34:53.52		BZ			
	I Amb	07:34:58.10		BZ	0.017	2.2	
PESTR	e P	07:34:54.59		BZ			
	I Amb	07:35:03.30		BZ	0.015	1.5	
MOE	e P	07:34:52.53		BZ			
	I Amb	07:34:59.88		BZ	0.028	1.7	
PBAR	e P	07:34:58.71		BZ			
	I Amb	07:35:01.35		BZ	0.017	1.4	

12-Jan	Ho	07:59:58.0	Distante (IPMA)				
	Lat	17.950°N	Lon	66.850°W	Prof	10	
	Região: Puerto Rico Region						
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp</i>	<i>Per</i>	
PSBE	e P	08:09:26.07		BZ			
	I Amb	08:09:33.12		BZ	0.032	1.8	
PCAS	e P	08:09:25.64		BZ			
	I Amb	08:09:27.53		BZ	0.052	1.7	
PARRA	e P	08:09:29.89		BZ			
	I Amb	08:09:32.85		BZ	0.024	1.5	
PVAQ	e P	08:09:31.22		BZ			
	I Amb	08:09:33.05		BZ	0.041	1.6	
PVIS	e P	08:09:32.67		BZ			
PESTR	e P	08:09:30.02		BZ			
	I Amb	08:09:42.44		BZ	0.020	1.8	
POLO	e P	08:09:30.35		BZ			
	I Amb	08:09:35.42		BZ	0.014	1.4	
PVRL	e P	08:09:31.13		SZ			
	I Amb	08:09:36.42		SZ	0.027	1.8	
PCBR	e P	08:09:32.22		SZ			
	I Amb	08:09:36.31		SZ	0.021	1.9	
MTE	e P	08:09:33.91		BZ			
	I Amb	08:09:34.96		BZ	0.041	1.7	
PMRV	e P	08:09:31.42		BZ			
	I Amb	08:09:33.52		BZ	0.025	1.7	

MVO	e P	08:09:34.60	BZ				
	I Amb	08:09:43.74	BZ	0.039	2.0		

12-Jan	Ho	08:45:38.7	Lat	42.261°N	Lon	07.718°W	ML	1.1
							Prof	2*
							Rms	0.3
							ErrZ	0
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp</i>	<i>Per</i>		
PGAV	e Pg	08:45:47.94		HZ				
	e Sg	08:45:55.15		HN				
	IAML	08:45:55.64		HZ	0.009	0.4		
PCAB	e Pg	08:45:49.71		EZ				
	e Sg	08:45:57.54		EN				
	IAML	08:46:01.97		EZ	0.008	0.3		
POLO	e P	08:45:55.51		HZ				
	e S	08:46:06.65		HN				
	IAML	08:46:09.25		HZ	0.002	0.3		
PVRL	e S	08:46:10.56		SN				
	IAML	08:46:12.11		SZ	0.005	0.3		
MVO	e S	08:46:17.69		HN				
	IAML	08:46:20.12		HZ	0.002	0.7		
PVIS	e Sg	08:46:27.78		HE				
MTE	e Sg	08:46:36.63		HN				
	IAML	08:46:38.83		HZ	0.002	0.3		

12-Jan	Ho	09:47:57.3	Lat	37.340°N	Lon	09.180°W	ML	0.9
							Prof	31
							Rms	0.2
							ErrZ	6
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp</i>	<i>Per</i>		
PFVI	e P	09:48:05.00		HZ				
	e S	09:48:10.87		HN				
	IAML	09:48:11.03		HZ	0.005	0.1		
PTEO	e P	09:48:06.02		HZ				
	e S	09:48:12.57		HN				
	IAML	09:48:13.18		HZ	0.004	0.3		
MORF	e P	09:48:06.07		HZ				
	e S	09:48:13.11		HE				
	IAML	09:48:15.12		HZ	0.002	0.2		
MESJ	e S	09:48:24.24		HN				
	IAML	09:48:26.04		HZ	0.001	0.2		
PCVE	e P	09:48:13.46		HZ				
	e S	09:48:25.46		HN				
	IAML	09:48:28.13		HZ	0.001	0.1		
PVAQ	e P	09:48:16.51		HZ				
	e S	09:48:30.79		H2				
	IAML	09:48:31.10		HZ	0.010	0.7		
MOE	e S	09:48:33.82		HE				

12-Jan	Ho	11:48:21.7	Lat	41.796°N	Lon	08.215°W	ML	0.9
							Prof	10
							Rms	0.3
							ErrZ	4
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp</i>	<i>Per</i>		
PCAB	i P	d 11:48:25.17		EZ				
	e S	11:48:27.98		EN				
	IAML	11:48:28.11		EZ	0.022	0.1		
PGAV	i P	d 11:48:25.24		HZ				
	e S	11:48:28.05		HN				
	IAML	11:48:28.45		HZ	0.014	0.1		
POLO	e P	11:48:31.61		HZ				
	e S	11:48:38.98		HE				
	IAML	11:48:41.76		HZ	0.001	0.2		
PVRL	e S	11:48:42.82		SN				
	IAML	11:48:48.14		SZ	0.013	0.1		
MVO	e P	11:48:41.31		HZ				
	e S	11:48:55.02		HN				
	IAML	11:48:56.52		HZ	0.003	0.5		
PVIS	e S	11:48:56.56		HE				

12-Jan	Ho	13:50:21.1			ML 1.9
	Lat	36.668°N	Lon	11.496°W	Prof 38*
	Região:	Gorringe			Rms 0.4
	AxMax	7.4	AxMin	4.7	Ang 94 ErrZ 0
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp Per</i>
PFVI	e P	13:50:53.40		HZ	
	e S	13:51:17.95		HE	
	IAML	13:51:21.81		HZ	0.008 0.8
MORF	e P	13:50:56.41		HZ	
	e S	13:51:22.10		HN	
	IAML	13:51:23.01		HZ	0.005 0.4
PTEO	e P	13:50:56.13		HZ	
	e S	13:51:22.82		HE	
	IAML	13:51:28.80		HZ	0.005 0.8
MESJ	e P	13:51:05.20		HZ	
	e S	13:51:34.08		HE	
	IAML	13:51:46.26		HZ	0.002 0.7
PMAFR	e P	13:51:02.61		HZ	
	e S	13:51:34.91		HE	
	IAML	13:51:46.79		HZ	0.012 0.6
PBDV	e P	13:51:06.54		HZ	
	e S	13:51:35.71		HE	
	IAML	13:51:52.56		HZ	0.003 0.7
PCVE	e P	13:51:05.12		HZ	
	IAML	13:51:35.35		HZ	0.002 0.7
	e S	13:51:35.66		HE	
MOE	e P	13:51:06.06		HZ	
	e S	13:51:40.18		HN	
	IAML	13:51:49.31		HZ	0.003 0.5
PVAQ	e P	13:51:07.13		HZ	
	e S	13:51:40.35		H1	
	IAML	13:51:47.35		HZ	0.002 0.2
PBEJ	e S	13:51:42.49		EN	
PARRA	e P	13:51:11.07		HZ	
	e S	13:51:48.76		HN	
	IAML	13:51:52.64		HZ	0.001 0.2
PMTG	e P	13:51:11.29		HZ	
	e S	13:51:50.01		HN	
	IAML	13:52:05.94		HZ	0.002 0.7
PSBE	e P	13:51:10.76		HZ	
	e S	13:51:50.92		HE	
	IAML	13:51:59.58		HZ	0.003 0.9
PESTR	e S	13:51:57.17		HN	
	IAML	13:52:01.12		HZ	0.001 0.7
PBAR	e S	13:51:58.08		HE	
PSARD	e P	13:51:17.89		HZ	
	e S	13:52:00.76		HN	
	IAML	13:52:01.84		HZ	0.003 0.2
PCAS	e P	13:51:19.96		HZ	
	e S	13:52:05.50		HN	
	IAML	13:52:06.61		HZ	0.001 0.3
PMRV	e S	13:52:07.33		HE	
	IAML	13:52:10.68		HZ	0.001 0.4

12-Jan	Ho	14:32:07.9			ML 2.0
	Lat	36.729°N	Lon	05.052°W	Prof 27*
	Região:	W Malaga (ESP)			Rms 0.4
	AxMax	4.8	AxMin	3.1	Ang 3 ErrZ 0
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp Per</i>
PBAR	e Pn	14:32:40.66		HZ	
	e Sn	14:33:05.53		HE	
	IAML	14:33:08.92		HZ	0.004 0.3
PVAQ	e Pn	14:32:41.60		HZ	
	e Sn	14:33:07.39		H1	
	IAML	14:33:09.12		HZ	0.007 0.2
PBDV	e Pn	14:32:43.71		HZ	
	e Sn	14:33:10.69		HN	
	IAML	14:33:13.34		HZ	0.004 0.3
PCVE	e Pn	14:32:46.10		HZ	
	e Sn	14:33:15.36		HE	
	IAML	14:33:17.04		HZ	0.003 0.5
MESJ	e Pn	14:32:48.98		HZ	
	e Sn	14:33:20.27		HE	
	IAML	14:33:22.50		HZ	0.002 0.2

PESTR	e Pn	14:32:52.47		HZ	
	e Sn	14:33:25.21		HE	
	IAML	14:33:51.71		HZ	0.003 0.7
MORF	e Pn	14:32:52.20		HZ	
	e Sn	14:33:25.70		HE	
	IAML	14:33:36.62		HZ	0.002 0.2
PFVI	e Sn	14:33:29.66		HN	
PARRA	e Pn	14:32:54.61		HZ	
	e Sn	14:33:29.69		HN	
	IAML	14:33:31.68		HZ	0.003 0.2
MOE	e Pn	14:32:55.85		HZ	
	e Sn	14:33:21.87		HN	
	IAML	14:33:32.93		HZ	0.005 0.2
PMRV	e Pn	14:32:56.94		HZ	
	e Sn	14:33:33.06		HE	
	IAML	14:33:34.52		HZ	0.002 0.2
PMTG	e Pn	14:32:58.96		HZ	
	e Sn	14:33:37.53		HN	
	IAML	14:33:37.66		HZ	0.002 0.3
PCBR	e Pn	14:33:02.30		EZ	
	e Sn	14:33:42.52		EE	
	IAML	14:33:43.36		EZ	0.004 0.1
PSARD	e Pn	14:33:03.85		HZ	
	e Sn	14:33:45.25		HN	
	IAML	14:33:45.74		HZ	0.009 0.1
PMAFR	e Pn	14:33:07.12		HZ	
	e Sn	14:33:52.43		HE	
PSBE	e Pn	14:33:07.89		HZ	
	e Sn	14:33:52.56		HN	
MTE	e Sn	14:33:53.44		HE	
PCAS	e Pn	14:33:10.91		HZ	
	e Sn	14:33:57.83		HN	
	IAML	14:34:01.17		HZ	0.002 0.6
PVIS	e Pn	14:33:14.35		HZ	
	e Sn	14:34:04.00		HE	
MVO	e Pn	14:33:16.33		HZ	
	e Sn	14:34:06.56		HN	
	IAML	14:34:41.33		HZ	0.003 0.3
POLO	e Pn	14:33:22.14		HZ	
	e Sn	14:34:15.55		HN	
PGAV	e Pn	14:33:31.66		HZ	
	e Sn	14:34:32.44		HN	

12-Jan	Est	Fase	P h:m:s	Dur	Co	Amp Per
	PTEO	e P	14:37:45.21		HZ	
	MOE	e P	14:37:47.84		HZ	
		e S	14:38:33.86		HN	
		IAML	14:38:37.22		HZ	0.001 0.1
	PARRA	e P	14:37:52.05		HZ	
		e S	14:38:41.89		HE	
		IAML	14:38:50.03		HZ	0.001 0.5
	PVAQ	e P	14:37:52.38		HZ	
		e S	14:38:40.42		H1	
		IAML	14:38:48.57		HZ	0.001 0.4
	MORF	e S	14:38:22.45		HE	
		IAML	14:38:24.81		HZ	0.002 0.1
	PMAFR	e S	14:38:22.59		HN	
	MESJ	e S	14:38:32.18		HE	
		IAML	14:38:36.33		HZ	0.001 0.4
	PCVE	e S	14:38:36.00		HE	
		IAML	14:38:41.45		HZ	0.001 0.9
	PBDV	e S	14:38:37.59		HE	
		IAML	14:38:43.14		HZ	0.003 0.7
	PSBE	e S	14:38:37.86		HN	
	PMTG	e S	14:38:41.46		HE	
		IAML	14:38:46.79		HZ	0.001 0.6
	PSARD	e S	14:38:49.24		HE	
		IAML	14:38:54.15		HZ	0.001 0.5
	PESTR	e S	14:38:49.69		HN	
	PBAR	e S	14:38:55.49		HE	

12-Jan	Ho 15:58:41.4	ML 1.0
	Lat 42.016°N Lon 08.425°W	Prof 19
	Região: SE Monção	Rms 0.4
	AxMax 12.8 AxMin 2.7 Ang 74	ErrZ 4
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>
PGAV	i P	d 15:58:45.54
	e S	15:58:48.97
	IAML	15:58:49.52
PCAB	i P	d 15:58:49.29
	e S	15:58:55.75
	IAML	15:58:57.29
POLO	e P	15:58:55.57
	e S	15:59:06.32
	IAML	15:59:06.63
PVRL	e S	15:59:09.90
	IAML	15:59:10.50
MVO	e P	15:59:07.88
	e S	15:59:21.38
PVIS	e S	15:59:21.26

12-Jan	Ho 16:48:05.4	Distante (NEIC)	mb 5.2
	Lat 07.358°S Lon 155.817°E	Prof 35	
	Região: Solomon Islands		
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>
PGAV	e PKP	17:07:33.41	BZ
MVO	e PKP	17:07:32.62	BZ
POLO	e PKP	17:07:32.70	BZ
PVRL	e PKP	17:07:33.09	SZ
PTO	e PKP	17:07:35.13	SZ
PVIS	e PKP	17:07:35.01	BZ
MTE	e PKP	17:07:35.54	BZ
PCBR	e PKP	17:07:36.88	SZ
PCAS	e PKP	17:07:37.34	BZ
PMRV	e PKP	17:07:37.99	BZ
PSARD	e PKP	17:07:38.29	BZ
PSBE	e PKP	17:07:39.59	BZ
PESTR	e PKP	17:07:39.54	BZ
PMTG	e PKP	17:07:39.64	BZ
PARRA	e PKP	17:07:40.17	BZ
PBAR	e PKP	17:07:40.88	BZ
PMAFR	e PKP	17:07:41.45	BZ
MOE	e PKP	17:07:41.57	BZ
PBEJ	e PKP	17:07:42.56	SZ
MESJ	e PKP	17:07:42.99	BZ
PCVE	e PKP	17:07:42.84	BZ
PVAQ	e PKP	17:07:42.22	BZ
PBDV	e PKP	17:07:45.01	BZ
PTEO	e PKP	17:07:44.89	BZ
MORF	e PKP	17:07:45.43	BZ
PFVI	e PKP	17:07:46.36	BZ
PMAR	e PKP	17:08:02.76	BZ

12-Jan	Ho 16:48:05.4	Distante (NEIC)	mb 5.2
	Lat 07.358°S Lon 155.817°E	Prof 35	
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>
PBDV	e Pg	22:39:28.32	HZ
	e Sg	22:39:37.40	HN
	IAML	22:39:38.64	HZ
PVAQ	e P	22:39:29.78	HZ
	e S	22:39:39.97	H2
	IAML	22:39:40.86	HZ
MESJ	e P	22:39:37.83	HZ
	e S	22:39:53.96	HN
	IAML	22:39:56.52	HZ
PCVE	e S	22:39:47.80	HE
	IAML	22:39:48.45	HZ
PBAR	e Sn	22:40:01.61	HN
	e Sg	22:40:04.15	HN
	IAML	22:40:05.73	HZ
PARRA	e Sn	22:40:15.86	HE

12-Jan	Ho 23:45:09.2	ML 2.4
	Lat 39.039°N Lon 02.612°W	Prof 16
	Região: W Alcabete (ESP)	Rms 0.5
	AxMax 2.6 AxMin 1.9 Ang 43	ErrZ 4
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>
PBAR	e Pn	23:46:02.99
	e Pg	23:46:07.92
	e Sn	23:46:42.72
	e Sg	23:47:00.19
	IAML	23:47:04.54
PMRV	e Pn	23:46:04.80
	e Sn	23:46:47.42
	e Sg	23:47:03.12
	IAML	23:47:13.91
PCBR	e Pn	23:46:07.50
	e Sn	23:46:48.26
	e Sg	23:47:04.90
	IAML	23:47:22.95
PESTR	e Pn	23:46:07.15
	e Sn	23:46:50.48
	e Sg	23:47:09.84
	IAML	23:47:14.05
MVO	e Pn	23:46:08.60
	e Sn	23:46:54.01
	e Sg	23:47:14.87
	IAML	23:47:19.82
MTE	e Sg	23:47:13.27
	IAML	23:47:20.53
PARRA	e Pn	23:46:13.20
	e Sn	23:46:58.17
	e Sg	23:47:21.17
	IAML	23:47:24.57
PBEJ	e Sg	23:47:21.29
	IAML	23:47:28.50
PVAQ	e Pn	23:46:13.20
	e Sn	23:47:00.07
	e Sg	23:47:22.95
	IAML	23:47:36.89
PSARD	e Pn	23:46:13.38
	e Sn	23:47:01.11
	e Sg	23:47:23.13
	IAML	23:47:33.70
PMTG	e Pn	23:46:14.26
	e Sn	23:47:02.32
	e Sg	23:47:25.00
	IAML	23:47:36.40
PVIS	e Sg	23:47:29.17
PCVE	e Pn	23:46:19.07
	e Sn	23:47:04.96
	e Sg	23:47:30.38
	IAML	23:47:40.37
PVRL	e Pg	23:46:30.53
	e Sg	23:47:31.78
MOE	e Pn	23:46:15.65
	e Sn	23:47:05.27
	e Sg	23:47:31.09
	IAML	23:47:41.37
MESJ	e Sn	23:47:07.81
	e Sg	23:47:32.25
	IAML	23:47:38.48
PBDV	e Pn	23:46:17.61
	e Sn	23:47:08.20
	e Sg	23:47:30.71
	IAML	23:47:40.91
POLO	e Pn	23:46:16.82
	e Sn	23:47:08.78
	e Sg	23:47:32.57
	IAML	23:47:41.77
PCAS	e Pn	23:46:18.26
	e Sn	23:47:08.13
	e Sg	23:47:36.15
	IAML	23:47:42.06

PSBE	e Pg	23:46:26.96	HZ		
	e Sn	23:47:13.40	HN		
	e Sg	23:47:39.14	HE		
	IAML	23:47:47.47	HZ	0.006	0.6
PCAB	e Sg	23:47:47.68	EN		
PTEO	e Sg	23:47:49.68	HE		
MORF	e Pn	23:46:28.07	HZ		
	e Sn	23:47:20.25	HE		
	e Sg	23:47:48.24	HE		
	IAML	23:47:52.75	HZ	0.003	0.6
PGAV	e Pn	23:46:25.30	HZ		
	e Sg	23:47:52.85	HN		
	IAML	23:47:56.31	HZ	0.004	0.8

13-Jan Ho 02:08:45.6 ML 1.2
Lat 36.921°N Lon 08.177°W Prof 19
Região: SE Albufeira Rms 0.3
AxMax 5.7 AxMin 3.1 Ang 162 ErrZ 5

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PBDV	e Pg	c 02:08:53.30		HZ		
	e Sg	02:08:59.27		HN		
	IAML	02:09:00.37		HZ	0.007	0.3
MORF	e Pg	02:08:55.73		HZ		
	e Sg	02:09:03.72		HE		
	IAML	02:09:04.12		HZ	0.009	0.2
PFVI	e Pg	02:08:55.94		HZ		
	e Sg	02:09:03.55		HN		
	IAML	02:09:05.95		HZ	0.011	0.3
PVAQ	e Pg	02:08:56.57		HZ		
	e Sg	02:09:04.83		H1		
	IAML	02:09:06.53		HZ	0.007	0.1
PCVE	e P	02:08:58.81		HZ		
	e S	02:09:08.18		HE		
	IAML	02:09:09.05		HZ	0.008	0.2
PTEO	e P	02:08:59.59		HZ		
	e S	02:09:10.09		HN		
MESJ	e P	02:09:02.47		HZ		
	e S	02:09:13.88		HE		
	IAML	02:09:16.57		HZ	0.004	0.1
PBEJ	e S	02:09:19.77		EE		
	IAML	02:09:21.39		EZ	0.003	0.2
PBAR	e Sg	02:09:33.78		HE		
	IAML	02:09:38.49		HZ	0.001	0.4
MOE	e Sg	02:09:35.79		HE		
	IAML	02:09:42.10		HZ	0.003	0.4
PARRA	e Sg	02:09:42.95		HE		
	IAML	02:09:48.81		HZ	0.001	0.4
PESTR	e Sg	02:09:47.00		HN		
PMTG	e Sg	02:09:50.61		HE		
	IAML	02:09:51.30		HZ	0.001	0.8
PSARD	e Sg	02:10:09.12		HN		

13-Jan	Ho 02:32:56.73	ML 1.1
Est	Fase	P h:m:s
PARRA	e Pg	d 02:32:56.73
	e Sg	02:32:59.52
PESTR	e Pg	02:32:58.69
	e Sg	02:33:02.97
MOE	e Pg	02:33:00.68
	e Sg	02:33:06.30
PMTG	e Sg	02:33:07.15
PMRV	e P	02:33:07.86
	e S	02:33:18.35
PBAR	e P	02:33:08.75
	e S	02:33:21.27
PSARD	e S	02:33:21.55
PCVE	e S	02:33:27.30

13-Jan Ho 02:51:15.2 ML 1.1
Lat 36.593°N Lon 07.588°W Prof 19
Região: Golfo de Cádiz Rms 0.4
AxMax 7.5 AxMin 6.0 Ang 151 ErrZ 4

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PBDV	e P	02:51:28.40		HZ		
	e S	02:51:38.44		HE		

	IAML	02:51:42.67	HZ	0.003	0.2
PVAQ	e P	02:51:29.71	HZ		
	e S	02:51:40.66	H2		
	IAML	02:51:41.63	HZ	0.003	0.1
PCVE	e P	02:51:34.07	HZ		
	e S	02:51:48.05	HN		
MORF	e S	02:51:48.65	HN		
PFVI	e S	02:51:48.75	HE		
PTEO	e S	02:51:52.89	HE		
MESJ	e S	02:51:54.05	HN		
	IAML	02:51:57.57	HZ	0.001	0.6
PBAR	e S	02:52:00.93	HN		
	IAML	02:52:05.47	HZ	0.001	0.7
MOE	e S	02:52:10.94	HN		
PARRA	e P	02:51:49.74	HZ		
	e S	02:52:16.07	HE		
	IAML	02:52:16.81	HZ	0.001	0.2
PESTR	e S	02:52:16.63	HE		
PMTG	e P	02:51:53.62	HZ		
	e S	02:52:23.49	HN		
PMRV	e P	02:51:58.35	HZ		
	e S	02:52:30.05	HE		
PSARD	e P	02:52:00.87	HZ		
	e S	02:52:35.50	HN		
	IAML	02:52:36.40	HZ	0.002	0.2

13-Jan Ho 04:56:16.5 ML 2.1
Lat 36.973°N Lon 05.405°W Prof 15
Região: SE Sevilha (ESP) Rms 0.4
AxMax 2.6 AxMin 2.3 Ang 129 ErrZ 3

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PBAR	e Pn	04:56:44.81		HZ		
	e Sn	04:57:06.78		HE		
	IAML	04:57:19.10		HZ	0.008	0.4
PVAQ	e Pn	04:56:46.88		HZ		
	e Sn	04:57:09.62		H2		
	e Sg	04:57:14.17		H1		
	IAML	04:57:22.09		HZ	0.008	0.6
PBDV	e Pn	c 04:56:49.13		HZ		
	e Sn	04:57:13.55		HN		
	e Sg	04:57:20.29		HN		
	IAML	04:57:28.39		HZ	0.006	0.4
PCVE	e Pn	04:56:51.09		HZ		
	e Sg	04:57:24.58		HE		
	IAML	04:57:31.99		HZ	0.005	0.5
PBEJ	e Sg	04:57:25.38		EN		
	IAML	04:57:32.84		EZ	0.004	0.4
MESJ	e Pn	04:56:53.84		HZ		
	e Sg	04:57:28.93		HE		
	IAML	04:57:40.89		HZ	0.005	0.6
PESTR	e Pn	04:56:56.24		HZ		
	e Sn	04:57:26.83		HN		
	IAML	04:57:40.07		HZ	0.005	0.3
MORF	e Pn	04:56:57.41		HZ		
	e Sn	04:57:28.09		HE		
	IAML	04:57:45.02		HZ	0.005	0.5
PTEO	e Pn	04:56:58.34		HZ		
	e Sn	04:57:29.67		HN		
PFVI	e Pn	04:56:58.47		HZ		
	e Sn	04:57:30.28		HE		
	IAML	04:57:32.82		HZ	0.004	0.2
PARRA	e Pn	04:56:58.99		HZ		
	e Sn	04:57:31.70		HE		
	e Sg	04:57:40.63		HE		
	IAML	04:57:46.92		HZ	0.005	0.5
MOE	e Pn	04:56:59.42		HZ		
	e Sn	04:57:32.92		HE		
	IAML	04:57:52.94		HZ	0.008	0.5
PMRV	e Pn	04:57:01.07		HZ		
	e Sn	04:57:34.63		HE		
	e Sg	04:57:43.83		HE		
	IAML	04:57:52.42		HZ	0.007	0.6

PCBR	e Pn	04:57:07.12	EZ		
	e Sn	04:57:42.82	EE		
	e Sg	04:57:58.27	EN		
	IAML	04:58:06.61	EZ	0.004	0.7
PSARD	e Pn	04:57:07.65	HZ		
	e Sn	04:57:47.17	HN		
	e Sg	04:58:00.60	HN		
	IAML	04:58:07.76	HZ	0.012	0.5
PSBE	e Pn	04:57:12.12	HZ		
	e Sn	04:57:53.25	HN		
MTE	e Sn	04:57:56.69	HN		
	IAML	04:58:19.55	HZ	0.007	0.6
PCAS	e Sn	04:57:59.27	HE		
	e Sg	04:58:17.14	HE		
	IAML	04:58:31.07	HZ	0.005	0.4
PVIS	e Pn	04:57:19.54	HZ		
	e Sn	04:58:05.76	HE		
MVO	e Sg	04:58:32.13	HN		
	IAML	04:58:38.24	HZ	0.004	0.7
POLO	e Sn	04:58:18.72	HN		
	IAML	04:59:01.85	HZ	0.001	0.6

13-Jan Ho 06:41:55.8 ML 2.6
Lat 39.984°N Lon 00.514°W Prof 18
Região: W Castellon de La Plana Rms 0.5
AxMax 2.3 AxMin 1.9 Ang 96 ErrZ 3

Est	Fase	P h:m:s	Dur	Co	Amp	Per
MVO	e Pn	06:43:10.90		HZ		
	e Sn	06:44:06.59		HN		
	IAML	06:44:09.51		HZ	0.008	0.5
PMRV	e Pn	06:43:13.90		HZ		
	e Sn	06:44:11.26		HE		
	IAML	06:44:14.13		HZ	0.004	0.4
PCBR	e Pn	06:43:14.06		EZ		
	e Sn	06:44:11.77		EN		
	IAML	06:44:48.85		EZ	0.004	0.7
PBAR	e Pn	06:43:14.31		HZ		
	e Sg	06:44:42.14		HN		
	IAML	06:44:54.96		HZ	0.004	0.6
MTE	e Pn	06:43:14.64		HZ		
	e Sn	06:44:14.19		HN		
	IAML	06:44:58.87		HZ	0.007	0.3
PESTR	e Pn	06:43:17.83		HZ		
	e Sn	06:44:18.67		HE		
	IAML	06:44:55.76		HZ	0.006	0.5
PVIS	e Pn	06:43:18.77		HZ		
	e Sn	06:44:20.71		HE		
POLO	e Pn	06:43:18.99		HZ		
	e Sn	06:44:20.95		HN		
	IAML	06:44:35.47		HZ	0.002	0.5
PARRA	e Pn	06:43:22.36		HZ		
	e Sn	06:44:26.80		HN		
	IAML	06:45:14.58		HZ	0.003	0.6
PMTG	e Pn	06:43:23.25		HZ		
	e Sn	06:44:29.42		HN		
	IAML	06:45:19.68		HZ	0.005	0.6
PCAS	e Pn	06:43:24.63		HZ		
	e Sn	06:44:31.48		HN		
	IAML	06:44:33.46		HZ	0.003	0.3
PGAV	e Pn	06:43:25.75		HZ		
	e Sn	06:44:33.06		HN		
	IAML	06:44:34.66		HZ	0.006	0.5
MOE	e Sn	06:44:34.31		HN		
	IAML	06:45:26.93		HZ	0.006	0.5

13-Jan	Ho	08:33:13.6				ML 1.5		
	Lat	37.253°N		Lon	07.385°W		Prof	14
	Região: NE Castro Marim						Rms	0.4
	AxMax	3.1	AxMin	2.5	Ang	8	ErrZ	4
Est	Fase	P h:m:s		Dur	Co	Amp Per		
PVAQ	i Pg	d 08:33:19.66			HZ			
	e Sg	08:33:23.91			H2			
	IAML	08:33:25.28			HZ	0.031	0.2	
PBDV	e Pg	08:33:21.82			HZ			
	e Sg	08:33:27.50			HN			

	IAML	08:33:28.52	HZ	0.020	0.3
PCVE	e Pg	08:33:25.17	HZ		
	e Sg	08:33:33.38	HE		
	IAML	08:33:35.75	HZ	0.008	0.1
PBEJ	e S	08:33:40.78	EN		
	IAML	08:33:42.51	EZ	0.006	0.3
MESJ	e P	08:33:29.58	HZ		
	e S	08:33:41.33	HN		
	IAML	08:33:42.46	HZ	0.006	0.4
PBAR	e P	08:33:31.37	HZ		
	e S	08:33:43.29	HE		
	IAML	08:33:44.91	HZ	0.009	0.2
MORF	e P	08:33:31.94	HZ		
	e S	08:33:45.11	HE		
	IAML	08:33:47.24	HZ	0.018	0.1
PTEO	e P	08:33:33.55	HZ		
	e S	08:33:48.06	HN		
	IAML	08:33:55.15	HZ	0.008	0.8
PFVI	e P	08:33:34.28	HZ		
	e S	08:33:49.33	HE		
	IAML	08:33:56.80	HZ	0.008	0.8
MOE	e P	08:33:40.31	HZ		
	e S	08:33:58.79	HN		
	IAML	08:34:01.93	HZ	0.004	0.2
PESTR	e S	08:34:02.74	HE		
PARRA	e Pn	08:33:42.12	HZ		
	e Sn	08:34:03.57	HE		
	IAML	08:34:08.38	HZ	0.002	0.2
PMTG	e Sg	08:34:13.25	HE		
	IAML	08:34:13.35	HZ	0.002	0.2
PMRV	e Sn	08:34:18.47	HE		
	IAML	08:34:24.35	HZ	0.003	0.6

13-Jan Ho 20:58:03.2 ML 1.5
Lat 35.878°N Lon 07.503°W Prof 36*
Região: Mar de Marrocos Rms 0.5
AxMax 9.5 AxMin 7.8 Ang 31 ErrZ 0

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PBDV	e P	20:58:24.97		HZ		
	e S	20:58:41.52		HN		
	IAML	20:58:45.19		HZ	0.002	0.8
PVAQ	e P	20:58:26.80		HZ		
	e S	20:58:44.15		H2		
	IAML	20:58:45.34		HZ	0.005	0.5
PFVI	e S	20:58:47.22		HE		
PCVE	e P	20:58:30.88		HZ		
	e S	20:58:51.08		HN		
	IAML	20:58:52.15		HZ	0.003	0.3
MESJ	e P	20:58:34.11		HZ		
	e S	20:58:57.54		HE		
	IAML	20:59:02.74		HZ	0.002	0.4
PBAR	e S	20:59:04.11		HN		
	IAML	20:59:09.44		HZ	0.002	0.4
MOE	e S	20:59:13.47		HN		
PARRA	e P	20:58:46.77		HZ		
	e S	20:59:19.17		HE		
	IAML	20:59:22.05		HZ	0.001	0.3
PESTR	e S	20:59:20.14		HE		
PMTG	e P	20:58:50.64		HZ		
	e S	20:59:26.09		HE		

14-Jan Ho 00:01:25.2 ML 1.7
Lat 36.404°N Lon 05.052°W Prof 19
Região: SW Marbella Rms 0.4
AxMax 7.3 AxMin 6.2 Ang 173 ErrZ 9

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PVAQ	e Pn	00:02:02.54		HZ		
	e Sn	00:02:28.33		H1		
	IAML	00:02:30.26		HZ	0.004	0.3
PBAR	e Pn	00:02:01.63		HZ		
	e Sn	00:02:27.34		HE		
	IAML	00:02:31.60		HZ	0.002	1.0
PBDV	e Pn	00:02:04.78		HZ		
	e Sn	00:02:31.89		HN		
	IAML	00:02:33.66		HZ	0.002	0.2

PCVE	e Sn	00:02:36.80	HN		
	IAML	00:02:37.93	HZ	0.002	0.3
PBEJ	e Sn	00:02:37.96	EN		
MESJ	e Sn	00:02:41.47	HE		
	IAML	00:02:43.35	HZ	0.002	0.3
MORF	e Sn	00:02:46.26	HE		
	IAML	00:02:49.78	HZ	0.002	0.2
PFVI	e Sn	00:02:48.10	HN		
	IAML	00:02:50.00	HZ	0.007	0.6
PESTR	e Pn	00:02:13.16	HZ		
	e Sn	00:02:45.81	HE		
MOE	e Sn	00:02:53.04	HN		
PARRA	e Pn	00:02:15.59	HZ		
	e Sn	00:02:51.04	HE		
	IAML	00:02:53.31	HZ	0.002	0.8
PMRV	e Pn	00:02:17.91	HZ		
	e Sn	00:02:54.71	HN		
PMTG	e Pn	00:02:20.25	HZ		
	e Sn	00:02:58.63	HE		
PCBR	e Pn	00:02:23.23	EZ		
	e Sn	00:03:03.40	EE		
	IAML	00:03:04.02	EZ	0.001	0.3
PSARD	e Pn	00:02:24.87	HZ		
	e Sn	00:03:06.16	HE		
	IAML	00:03:08.32	HZ	0.003	0.2
PSBE	e Pn	00:02:29.06	HZ		
	e Sn	00:03:14.45	HE		

14-Jan	Ho	01:57:28.8	Distante (NEIC)	Mw	5.0
	Lat	21.740°S	Lon	68.270°W	Prof
					109
	Região:	Chile-Bolivia	Border Region		
<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	02:08:45.99	BZ		
PMPS	e P	02:08:51.16	EZ		
	IAMB	02:08:52.58	EZ	0.112	1.3
PBDV	e P	02:09:35.96	BZ		
	IAMB	02:09:37.04	BZ	0.060	1.6
MESJ	e P	02:09:36.92	BZ		
	IAMB	02:09:44.23	BZ	0.045	1.7
PCVE	e P	02:09:36.72	BZ		
PVAQ	e P	02:09:37.03	BZ		
	IAMB	02:10:02.92	BZ	0.041	1.7
PBEJ	e P	02:09:38.59	SZ		
	IAMB	02:09:43.16	SZ	0.029	1.5
PARRA	e P	02:09:40.28	BZ		
PMTG	e P	02:09:40.30	BZ		
PBAR	e P	02:09:41.25	BZ		
PESTR	e P	02:09:42.45	BZ		
	IAMB	02:09:46.24	BZ	0.034	1.7
PSARD	e P	02:09:42.07	BZ		
	IAMB	02:09:44.06	BZ	0.065	1.7
PMRV	e P	02:09:43.67	BZ		
PVIS	e P	02:09:46.49	BZ		
MTE	e P	02:09:46.54	BZ		
PVRL	e P	02:09:48.23	SZ		
POLO	e P	02:09:48.03	BZ		
PCAB	e P	02:09:48.46	SZ		
MVO	e P	02:09:50.48	BZ		

14-Jan	Ho	08:12:51.3			ML	1.7
	Lat	36.295°N	Lon	07.629°W	Prof	12
	Região: Golfo de Cádiz				Rms	0.3
	AxMax	4.8	AxMin	3.7	Ang	27
					ErrZ	6
Est	Fase	P h:m:s		Dur	Co	Amp Per
PBDV	e P	08:13:08.81			HZ	
	e S	08:13:22.07			HE	
	IAML	08:13:26.87			HZ	0.011 0.2
PVAQ	e P	08:13:10.74			HZ	
	e S	08:13:25.25			H2	
	IAML	08:13:29.37			HZ	0.008 0.4
PFVI	e P	08:13:12.84			HZ	
	e S	08:13:30.42			HN	
	IAML	08:13:35.55			HZ	0.009 0.5
MORF	e P	08:13:13.24			HZ	
	e S	08:13:30.90			HN	

	IAML	08:13:35.90	HZ	0.010	0.1
PCVE	e P	08:13:14.47	HZ		
	e S	08:13:32.11	HN		
	IAML	08:13:37.72	HZ	0.006	1.4
MESJ	e S	08:13:37.82	HN		
	IAML	08:13:45.81	HZ	0.007	0.4
PBAR	e P	08:13:22.88	HZ		
	e S	08:13:45.47	HN		
	IAML	08:13:56.04	HZ	0.002	0.7
MOE	e S	08:13:54.61	HE		
	IAML	08:14:05.44	HZ	0.006	0.4
PARRA	e P	08:13:30.68	HZ		
	e S	08:13:59.90	HN		
	IAML	08:14:13.44	HZ	0.003	0.3
PMRV	e P	08:13:39.48	HZ		
	e S	08:14:14.18	HE		
	IAML	08:14:16.35	HZ	0.002	0.1
PSARD	e S	08:14:19.97	HE		
	IAML	08:14:21.79	HZ	0.004	0.5

14-Jan	Ho	08:58:08.7				ML	0.5	
	Lat	38.727°N	Lon	07.904°W		Prof	15	
	Região:	E Arraiolos				Rms	0.2	
	AxMax	1.9	AxMin	1.6	Ang	93	ErrZ	5
Est	Fase	P	h:m:s	Dur	Co	Amp	Per	
PARRA	e Pg		08:58:12.16		HZ			
	e Sg		08:58:14.95		HE			
	IAML		08:58:16.05		HZ	0.002	0.2	
PESTR	e Sg		08:58:18.66		HE			
	IAML		08:58:19.90		HZ	0.002	0.6	
MOE	e Pg		08:58:16.22		HZ			
	e Sg		08:58:21.98		HE			
	IAML		08:58:23.02		HZ	0.002	0.4	
PMTG	e Pg		08:58:16.85		HZ			
	e Sg		08:58:22.75		HE			
	IAML		08:58:23.65		HZ	0.002	0.6	
PMRV	e S		08:58:33.93		HE			
	IAML		08:58:37.21		HZ	0.002	0.8	
PBAR	e S		08:58:36.55		HE			
PSARD	e S		08:58:37.23		HN			
	IAML		08:58:39.07		HZ	0.003	0.5	

14-Jan	Ho	10:56:52.2				ML	1.5
	Lat	38.538°N	Lon	07.957°W	Prof 3		
	Região: SW Evora					Rms	0.3
	AxMax	2.5	AxMin	1.4	Ang	87	ErrZ 5
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>		<i>Dur</i>	<i>Co</i>	<i>Amp Per</i>	
PARRA	e Pg	10:56:57.02			HZ		
	e Sg	10:57:01.31			HE		
	IAML	10:57:04.41			HZ	0.068	0.5
MOE	e Pg	10:56:57.55			HZ		
	e Sg	10:57:02.71			HN		
	IAML	10:57:05.17			HZ	0.046	0.7
PESTR	e Pg	10:57:00.09			HZ		
	e Sg	10:57:06.38			HE		
PMTG	e Pg	10:57:02.30			HZ		
	e Sg	10:57:09.83			HE		
	IAML	10:57:16.24			HZ	0.006	0.5
MESJ	e Pg	10:57:05.32			HZ		
	e Sg	10:57:15.76			HN		
	IAML	10:57:19.40			HZ	0.007	0.6
PBAR	e P	10:57:06.14			HZ		
	e S	10:57:18.17			HN		
	IAML	10:57:21.42			HZ	0.007	0.6
PCVE	e S	10:57:21.49			HN		
	IAML	10:57:23.39			HZ	0.006	0.3
PMRV	e P	10:57:10.61			HZ		
	e S	10:57:23.86			HE		
	IAML	10:57:26.17			HZ	0.006	0.3
PSARD	e P	10:57:12.09			HZ		
	e S	10:57:26.47			HE		
	IAML	10:57:28.54			HZ	0.019	0.3
PVAQ	e P	10:57:13.35			HZ		
	e S	10:57:28.34			H2		
	IAML	10:57:30.86			HZ	0.006	0.3

PTEO	e S	10:57:29.20	HN		
	IAML	10:57:31.79	HZ	0.009	0.5
PSBE	e P	10:57:14.63	HZ		
	e S	10:57:30.36	HN		
PBDV	e P	10:57:16.44	HZ		
	e S	10:57:32.56	HE		
	IAML	10:57:36.50	HZ	0.006	1.2
PCBR	e P	10:57:16.86	EZ		
	e S	10:57:34.88	EE		
	IAML	10:57:35.86	EZ	0.007	0.3
PCAS	e Pg	10:57:21.12	HZ		
	e Sg	10:57:42.18	HN		
	IAML	10:57:44.61	HZ	0.005	0.3

14-Jan Ho 12:51:47.1 ML 0.6
Lat 38.767°N Lon 08.236°W Prof 9
Região: N Montemor-o-Novo Rms 0.2
AxMax 2.8 AxMin 1.2 Ang 100 ErrZ 3

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PARRA	i Pg	c 12:51:50.49		HZ		
	e Sg	12:51:53.26		HE		
	IAML	12:51:53.54		HZ	0.009	0.1
MOE	e Pg	12:51:51.83		HZ		
	e Sg	12:51:55.42		HN		
	IAML	12:51:55.61		HZ	0.005	0.1
PMTG	e Pg	12:51:52.78		HZ		
	e Sg	12:51:56.97		HE		
	IAML	12:51:57.50		HZ	0.010	0.5
PSARD	e S	12:52:13.75		HE		
	IAML	12:52:15.09		HZ	0.003	0.3
MESJ	e S	12:52:16.39		HN		
PMRV	e S	12:52:16.46		HN		
PBAR	e S	12:52:21.78		HE		
PTEO	e S	12:52:27.12		HE		

14-Jan Ho 15:35:18.3 ML 1.6
Lat 35.966°N Lon 07.527°W Prof 23*
Região: Mar de Marrocos Rms 0.3
AxMax 6.9 AxMin 5.2 Ang 38 ErrZ 0

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PBDV	e P	15:35:39.50		HZ		
	e S	15:35:55.93		HE		
	IAML	15:36:00.12		HZ	0.005	1.0
PVAQ	e P	15:35:41.34		HZ		
	e S	15:35:58.57		H2		
	IAML	15:35:59.92		HZ	0.005	0.2
PCVE	e P	15:35:45.25		HZ		
	e S	15:36:05.43		HN		
	IAML	15:36:06.37		HZ	0.003	0.2
MESJ	e S	15:36:11.30		HE		
PBAR	e S	15:36:18.09		HE		
	IAML	15:36:22.96		HZ	0.002	0.7
PARRA	e P	15:36:01.14		HZ		
	e S	15:36:33.33		HE		
	IAML	15:36:35.72		HZ	0.002	0.5
PMTG	e S	15:36:40.24		HE		
	IAML	15:36:43.03		HZ	0.002	0.7

15-Jan Ho 00:14:18.3 Distante (NEIC) mb 5.0
Lat 23.680°S Lon 179.980°W Prof 506
Região: South of Fiji Islands

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PGAV	e PKPab	00:34:02.96		BZ		
POLO	e PKPab	00:34:06.15		BZ		
MVO	e PKPdf	00:33:21.73		BZ		
PCBR	e PKPdf	00:33:22.04		SZ		
PFVI	e PKPdf	00:33:23.92		BZ		
PVAQ	e PKPdf	00:33:22.48		BZ		

15-Jan Ho 00:59:45.6 ML 3.0
Lat 39.279°N Lon 10.274°W Prof 19
Região: Canhão da Nazaré Rms 0.5
AxMax 4.1 AxMin 1.9 Ang 89 ErrZ 3

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PCASC	e P	01:01:10.44		HZ		

	e S	01:01:21.02	HE		
	IAML	01:01:29.53	HZ	0.524	0.5
PMAFR	i P	c 01:00:00.13	HZ		
	e S	01:00:11.83	HE		
	IAML	01:00:13.82	HZ	0.916	0.3
AML05	e P	01:00:02.42	HZ		
	e S	01:00:15.73	H1		
	IAML	01:00:22.50	HZ	0.367	0.2
AML03	e P	01:00:02.25	HZ		
	e S	01:00:15.22	H1		
	IAML	01:00:24.42	HZ	0.404	0.4
AML01	e P	01:00:03.34	HZ		
	e S	01:00:16.72	H2		
	IAML	01:00:21.86	HZ	0.295	0.1
INMG	e P	01:00:03.62	HZ		
	e S	01:00:17.61	HN		
	IAML	01:00:27.55	HZ	0.745	0.7
GGNV	e P	01:00:03.79	HZ		
	e S	01:00:17.64	HN		
	IAML	01:00:27.62	HZ	0.416	0.2
PVERD	e P	00:59:30.10	HZ		
	e S	00:59:46.19	HE		
AML02	e P	01:00:05.92	HZ		
	e S	01:00:21.62	H1		
	IAML	01:00:25.61	HZ	0.328	0.5
PBEN	e P	01:00:05.63	HZ		
	e S	01:00:22.25	H1		
	IAML	01:00:29.13	HZ	0.418	0.3
PSBE	e P	01:00:05.54	HZ		
	e S	01:00:20.89	HN		
	IAML	01:00:30.96	HZ	0.253	0.6
AML04	e P	01:00:06.23	HZ		
	e S	01:00:23.90	HE		
	IAML	01:00:28.84	HZ	0.295	0.2
PCAS	e Pn	01:00:11.35	HZ		
	e Sn	01:00:30.68	HN		
	e Sg	01:00:34.77	HN		
	IAML	01:00:40.62	HZ	0.123	0.5
PMTG	e Pn	01:00:10.78	HZ		
	e Pg	01:00:14.00	HZ		
	e Sn	01:00:30.10	HN		
	e Sg	01:00:35.62	HE		
	IAML	01:00:40.82	HZ	0.178	0.6
PSARD	e Pn	01:00:12.23	HZ		
	e Pg	01:00:16.11	HZ		
	e Sg	01:00:37.90	HE		
	IAML	01:00:42.67	HZ	0.303	0.2
MOE	e Pn	01:00:11.98	HZ		
	e Pg	01:00:16.29	HZ		
	e Sn	01:00:32.49	HE		
	e Sg	01:00:36.76	HE		
	IAML	01:00:40.92	HZ	0.250	0.3
PSINE	e Sn	01:00:32.44	H2		
PARRA	e Pn	01:00:13.46	HZ		
	e Pg	01:00:17.30	HZ		
	e Sn	01:00:36.58	HN		
	e Sg	01:00:41.63	HE		
	IAML	01:00:47.02	HZ	0.104	0.4
PTEO	e Pn	01:00:17.78	HZ		
	e Sn	01:00:40.82	HN		
	e Sg	01:00:49.96	HE		
	IAML	01:00:53.61	HZ	0.058	0.5
PESTR	e Sn	01:00:43.19	HN		
	e Sg	01:00:51.17	HE		
	IAML	01:00:55.73	HZ	0.094	0.4
MESJ	e Pn	01:00:18.78	HZ		
	e Pg	01:00:24.20	HZ		
	e Sn	01:00:42.45	HN		
	e Sg	01:00:52.59	HN		
	IAML	01:00:58.38	HZ	0.052	0.4
PCBR	e Pn	01:00:19.69	EZ		
	e Sn	01:00:45.54	EE		
	e Sg	01:00:54.33	EE		
	IAML	01:00:59.94	EZ	0.055	0.3

PMRV	e Pn	01:00:19.64	HZ		
	e Pg	01:00:27.60	HZ		
	e Sn	01:00:46.19	HE		
	e Sg	01:00:54.44	HE		
	IAML	01:01:02.72	HZ	0.073	0.3
PBEJ	e Pn	01:00:20.23	EZ		
	e Pg	01:00:25.66	EZ		
	e Sn	01:00:46.84	EN		
	e Sg	01:00:54.71	EE		
	IAML	01:00:58.26	EZ	0.040	0.2
PTO	e Pn	01:00:20.56	EZ		
	e Sn	01:00:45.51	EN		
	e Sg	01:00:55.00	EN		
	IAML	01:01:04.07	EZ	0.131	0.3
PALJ	e Pn	01:00:19.70	HZ		
	e Sn	01:00:45.85	H1		
	e Sg	01:00:55.21	H1		
	IAML	01:00:58.44	HZ	0.076	0.2
PVIS	e Pn	01:00:21.41	HZ		
	e Sn	01:00:47.73	HN		
	e Sg	01:00:55.76	HN		
MORF	e Pn	01:00:20.90	HZ		
	e Sn	01:00:48.65	HE		
	e Sg	01:00:55.35	HN		
	IAML	01:01:01.02	HZ	0.048	0.1
MTE	e Pn	01:00:21.96	HZ		
	e Sn	01:00:49.59	HN		
	e Sg	01:00:59.29	HN		
	IAML	01:01:02.10	HZ	0.075	0.5
PCVE	e Pn	01:00:22.18	HZ		
	e Pg	01:00:29.97	HZ		
	e Sn	01:00:51.73	HE		
	e Sg	01:01:00.01	HE		
	IAML	01:01:11.37	HZ	0.040	0.5
PFVI	e Pn	01:00:21.73	HZ		
	e Sn	01:00:48.97	HE		
	e Sg	01:01:02.02	HE		
	IAML	01:01:10.60	HZ	0.030	0.8
PPOR	e Pn	01:00:24.58	HZ		
	e Sn	01:00:55.26	H1		
	IAML	01:00:58.62	HZ	0.034	0.5
PALBU	e Pn	01:00:27.07	HZ		
PBDV	e Pn	01:00:27.09	HZ		
	e Sn	01:00:57.23	HN		
	e Sg	01:01:06.73	HE		
	IAML	01:01:16.07	HZ	0.032	0.4
FVAQ	e Pn	01:00:26.82	HZ		
	e Sn	01:00:59.33	H1		
	e Sg	01:01:09.83	H2		
	IAML	01:01:13.20	HZ	0.027	0.4
PBAR	e Pn	01:00:27.40	HZ		
	e Sn	01:00:58.77	HN		
	e Sg	01:01:11.04	HE		
	IAML	01:01:17.08	HZ	0.050	0.5
PVRL	e Pn	01:00:27.56	SZ		
	e Sn	01:00:58.55	SN		
	e Sg	01:01:12.14	SN		
	IAML	01:01:17.67	SZ	0.066	0.4
POLO	e Pn	01:00:28.02	HZ		
	e Sn	01:00:58.46	HN		
	e Sg	01:01:11.45	HN		
	IAML	01:01:18.91	HZ	0.018	0.3
PCAB	e Pn	01:00:30.31	EZ		
	e Sn	01:01:02.67	EN		
	e Sg	01:01:18.45	EN		
	IAML	01:01:23.32	EZ	0.040	0.3
PTAV	e Pn	01:00:30.95	HZ		
	IAML	01:01:26.44	HZ	0.030	0.6
PGAV	e Pn	01:00:31.91	HZ		
	e Sn	01:01:05.98	HN		
	IAML	01:01:23.18	HZ	0.026	0.4
MVO	e Pn	01:00:31.97	HZ		
	e Sn	01:01:05.67	HN		
	e Sg	01:01:20.83	HE		
	IAML	01:01:26.78	HZ	0.042	0.4

15-Jan	Ho	04:00:23.5			ML 1.1
	Lat	37.338°N	Lon	08.556°W	Prof 12
	Região: NE Monchique				Rms 0.2
	AxMax	2.4	AxMin	2.2	Ang 141
					ErrZ 7
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp Per</i>
MORF	e Pg	04:00:26.01		HZ	
	e Sg	04:00:28.22		HN	
	IAML	04:00:28.56		HZ	0.082 0.2
PTEO	e Pg	d 04:00:28.56		HZ	
	e Sg	04:00:32.03		HN	
	IAML	04:00:36.55		HZ	0.016 0.5
PFVI	e Pg	04:00:29.29		HZ	
	e Sg	04:00:33.43		HE	
	IAML	04:00:34.01		HZ	0.012 0.5
PCVE	e Pg	04:00:33.06		HZ	
	e Sg	04:00:39.22		HE	
	IAML	04:00:39.94		HZ	0.007 0.8
PBDV	e Pg	04:00:33.01		HZ	
	e Sg	04:00:40.15		HN	
	IAML	04:00:41.66		HZ	0.008 0.7
MESJ	e Pg	04:00:34.24		HZ	
	e Sg	04:00:41.98		HE	
	IAML	04:00:42.25		HZ	0.006 0.7
PVAQ	e Pg	04:00:35.76		HZ	
	e Sg	04:00:44.71		H1	
	IAML	04:00:47.75		HZ	0.005 0.5
PBEJ	e S	04:00:51.07		EE	
MOE	e P	04:00:45.68		HZ	
	e S	04:01:02.10		HN	
PBAR	e Sg	04:01:09.04		HE	
	IAML	04:01:16.03		HZ	0.002 0.8
PARRA	e Pg	04:00:51.73		HZ	
	e Sg	04:01:11.04		HN	
PMTG	e Pg	04:00:55.97		HZ	
	e Sg	04:01:18.70		HN	

15-Jan	<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp Per</i>
PARRA	e Pg	07:24:10.47			HZ	
	e Sg	07:24:12.21			HE	
	IAML	07:24:12.34			HZ	0.004 0.1
PESTR	e Sg	07:24:15.56			HN	

15-Jan	Ho	07:55:30.2	Distante (NEIC)		Mw	5.7
	Lat	10.370°S	Lon	124.080°E	Prof	10
	Região: Timor Region					
Est	Fase	P	h:m:s	Dur	Co	Amp Per
PCBR	e PKPdf		08:14:39.50		SZ	
PARRA	e PKPdf		08:14:40.96		BZ	

15-Jan	Ho	08:22:37.2			ML 1.2
	Lat	38.782°N	Lon	07.946°W	Prof 9
	Região: NE Arraiolos				Rms 0.4
	AxMax	2.8	AxMin	2.0	Ang 87
					ErrZ 5
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp Per</i>
PARRA	i Pg	c 08:22:39.47		HZ	
	e Sg	08:22:41.23		HE	
	IAML	08:22:41.39		HZ	0.060 0.2
PESTR	e Pg	08:22:43.11		HZ	
	e Sg	08:22:47.11		HN	
	IAML	08:22:47.26		HZ	0.005 0.2
PMTG	e Pg	d 08:22:43.58		HZ	
	e Sg	08:22:48.44		HE	
	IAML	08:22:48.69		HZ	0.006 0.2
MOE	e Pg	08:22:44.74		HZ	
	e Sg	08:22:50.17		HN	
	IAML	08:22:50.74		HZ	0.014 0.3
PBEJ	e S	08:23:01.07		EE	
	IAML	08:23:01.25		EZ	0.005 0.1
PMRV	e P	08:22:51.70		HZ	
	e S	08:23:01.77		HE	
	IAML	08:23:02.74		HZ	0.003 0.1

PSARD	e P	08:22:52.60	HZ				
	e S	08:23:03.57	HE				
	IAML	08:23:06.25	HZ	0.015	0.2		
PBAR	e P	08:22:54.40	HZ				
	e S	08:23:07.33	HN				
	IAML	08:23:08.89	HZ	0.004	0.3		
MESJ	e P	08:22:54.03	HZ				
	e S	08:23:08.21	HE				
	IAML	08:23:10.35	HZ	0.003	0.8		
PMAFR	e P	08:22:56.70	HZ				
	e S	08:23:11.31	HN				
PCBR	e P	08:22:57.82	EZ				
	e S	08:23:12.37	EE				
	IAML	08:23:12.64	EZ	0.003	0.2		
PCAS	e Sg	08:23:19.81	HE				
	IAML	08:23:20.31	HZ	0.004	0.7		
PBDV	e Sg	08:23:26.18	HE				

15-Jan	Ho	08:24:39.8	ML 0.8				
	Lat	37.311°N	Lon	08.551°W	Prof	10	
	Região:	SE Monchique	Rms	0.3			
	AxMax	3.4	AxMin	2.2	Ang	172	ErrZ 8
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp</i>	<i>Per</i>	
MORF	e Pg	08:24:41.98	HZ				
	e Sg	08:24:43.98	HE				
	IAML	08:24:44.24	HZ	0.015	0.2		
PTEO	e Sg	08:24:48.97	HE				
PFVI	e Pg	08:24:45.30	HZ				
	e Sg	08:24:49.19	HE				
	IAML	08:24:49.42	HZ	0.007	0.1		
PBDV	e Sg	08:24:56.18	HN				
PVAQ	e Pg	08:24:52.64	HZ				
	e Sg	08:25:00.97	H1				
	IAML	08:25:03.58	HZ	0.005	1.0		

15-Jan	Ho	08:15:27.4	Distante (NEIC)	Mw 5.0			
	Lat	16.490°N	Lon	97.900°W	Prof	32	
	Região:	Oaxaca, Mexico					
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp</i>	<i>Per</i>	
PCAS	e P	08:27:28.93	BZ				
	e PcP	08:27:36.95	BZ				
PMTG	e P	08:27:31.13	BZ				
	e PcP	08:27:38.50	BZ				
	IAMB	08:27:40.12	BZ	0.061	1.6		
MOE	e P	08:27:31.18	BZ				
	e PcP	08:27:39.30	BZ				
	IAMB	08:27:40.24	BZ	0.135	1.5		
MORF	e PcP	08:27:40.29	BZ				
PARRA	e P	08:27:31.95	BZ				
	e PcP	08:27:40.17	BZ				
	IAMB	08:28:10.55	BZ	0.075	1.8		
MTE	e P	08:27:32.01	BZ				
	e PcP	08:27:39.79	BZ				
PCBR	e P	08:27:32.92	SZ				
	e PcP	08:27:41.36	SZ				
PBEJ	e P	08:27:33.72	SZ				
	e PcP	08:27:41.52	SZ				
	IAMB	08:27:43.16	SZ	0.066	1.7		
PESTR	e P	08:27:33.78	BZ				
PMRV	e P	08:27:33.87	BZ				
	e PcP	08:27:41.87	BZ				
	IAMB	08:27:42.62	BZ	0.058	1.6		
PVAQ	e P	08:27:35.25	BZ				
	IAMB	08:27:50.74	BZ	0.094	1.8		
PBAR	e P	08:27:36.91	BZ				
	e PcP	08:27:45.04	BZ				

15-Jan	Ho	09:45:18.7	Distante (NEIC)	Mw 5.4			
	Lat	10.370°S	Lon	78.600°W	Prof	38	
	Região:	Near Coast of Peru					
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp</i>	<i>Per</i>	
PMPST	e P	09:56:45.17	BZ				
MORF	e P	09:57:29.03	BZ				
PTEO	e P	09:57:28.81	BZ				
MESJ	e P	09:57:30.94	BZ				

PCVE	e P	09:57:31.51	BZ				
PSBE	e P	09:57:31.72	BZ				
	IAMB	09:57:32.39	BZ	0.180	1.7		
PBEJ	e P	09:57:33.02	SZ				
PMTG	e P	09:57:33.05	BZ				
	IAMB	09:57:48.18	BZ	0.062	2.2		
PARRA	e P	09:57:33.21	BZ				
	IAMB	09:57:36.95	BZ	0.065	1.9		
PSARD	e P	09:57:33.83	BZ				
PTO	e P	09:57:35.51	SZ				
PBAR	e P	09:57:35.25	BZ				
PCBR	e P	09:57:37.33	SZ				
PVIS	e P	09:57:36.68	BZ				
	e pP	09:57:49.67	BZ				
MTE	e P	09:57:37.33	BZ				
	IAMB	09:57:41.72	BZ	0.084	1.8		
MVO	e P	09:57:41.09	BZ				

15-Jan	Ho	15:36:27.0	Distante (IPMA)	ML 1.9			
	Lat	17.970°N	Lon	66.820°W	Prof	10	
	Região:	Puerto Rico Region					
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp</i>	<i>Per</i>	
PFVI	e P	15:45:51.54	BZ				
PSBE	e P	15:45:52.67	BZ				
MOE	e P	15:45:55.21	BZ				
PCAS	e P	15:45:55.16	BZ				
MESJ	e P	15:45:55.69	BZ				
PMTG	e P	15:45:56.31	BZ				
PCVE	e P	15:45:56.76	BZ				
PARRA	e P	15:45:56.78	BZ				
PBEJ	e P	15:45:58.33	SZ				
PGAV	e P	15:45:58.15	BZ				
PVIS	e P	15:45:59.20	BZ				
PCAB	e P	15:45:59.00	SZ				
PESTR	e P	15:46:00.65	BZ				
POLO	e P	15:46:00.42	BZ				
MTE	e P	15:46:00.94	BZ				
PCBR	e P	15:46:00.96	SZ				
PMRV	e P	15:46:00.94	BZ				
MVO	e P	15:46:04.45	BZ				
	IAMB	15:46:37.83	BZ	0.064	2.0		

15-Jan	Ho	17:02:46.6	ML 1.9				
	Lat	37.052°N	Lon	05.568°W	Prof	31	
	Região:	SE Sevilha (ESP)	Rms	0.4			
	AxMax	2.9	AxMin	2.0	Ang	54	ErrZ 4
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp</i>	<i>Per</i>	
PBAR	e Pn	17:03:12.12	HZ				
	e Sn	17:03:30.78	HE				
	e Sg	17:03:34.90	HE				
	IAML	17:03:39.83	HZ	0.007	0.2		
PVAQ	e Pn	17:03:13.44	HZ				
	e Sn	17:03:32.98	H2				
	e Sg	17:03:40.36	H1				
	IAML	17:03:43.28	HZ	0.005	0.6		
PCVE	e Pn	17:03:17.71	HZ				
	e Sg	17:03:52.39	HN				
	IAML	17:03:57.01	HZ	0.003	0.4		
PESTR	e Sg	17:03:57.03	HN				
	IAML	17:04:04.29	HZ	0.005	0.7		
MORF	e Sn	17:03:52.28	HN				
	e Sg	17:04:03.09	HN				
	IAML	17:04:16.11	HZ	0.005	0.8		
PTEO	e Sn	17:03:54.96	HN				
PARRA	e Pn	17:03:26.74	HZ				
	e Sn	17:03:56.04	HE				
	e Sg	17:04:04.84	HE				
	IAML	17:04:14.48	HZ	0.003	0.2		
MOE	e Sn	17:03:56.71	HE				
	IAML	17:04:11.18	HZ	0.007	0.7		
PMRV	e Pn	17:03:28.82	HZ				
	e Sn	17:03:58.67	HN				
	e Sg	17:04:11.15	HE				
	IAML	17:04:14.15	HZ	0.004	0.3		

PMTG	e Pn	17:03:30.30	HZ		
	e Sn	17:04:02.86	HN		
	e Sg	17:04:13.32	HN		
	IAML	17:04:18.98	HZ	0.003	0.3
PSARD	e Pn	17:03:36.33	HZ		
	e Sn	17:04:10.71	HE		
	e Sg	17:04:24.82	HN		
	IAML	17:04:30.05	HZ	0.007	0.2

16-Jan Ho 01:32:10.7 ML 1.7
Lat 37.958°N Lon 08.184°W Prof 4
Região: NW Aljustrel Rms 0.4
AxMax 2.6 AxMin 1.3 Ang 99 ErrZ 4

Est	Fase	P h:m:s	Dur	Co	Amp	Per
MESJ	e Pg	c 01:32:13.10		HZ		
	e Sg	01:32:14.75		HN		
	IAML	01:32:15.09		HZ	0.124	0.1
PBEJ	e Pg	c 01:32:15.59		EZ		
	e Sg	01:32:19.06		EE		
	IAML	01:32:19.33		EZ	0.032	0.5
PCVE	e Pg	01:32:16.79		HZ		
	IAML	01:32:21.52		HZ	0.029	0.1
	e Sg	01:32:21.52		HE		
MOE	e Pg	01:32:21.31		HZ		
	e Sg	01:32:29.13		HN		
	IAML	01:32:30.74		HZ	0.026	0.2
PTEO	e Pg	01:32:21.71		HZ		
	e Sg	01:32:29.96		HN		
PVAQ	e P	c 01:32:22.56		HZ		
	e S	01:32:31.83		H1		
	IAML	01:32:34.51		HZ	0.015	0.1
PBDV	e P	01:32:24.41		HZ		
	e S	01:32:34.04		HN		
	IAML	01:32:37.60		HZ	0.013	0.1
MORF	e P	01:32:24.70		HZ		
	e S	01:32:34.74		HE		
	IAML	01:32:36.43		HZ	0.016	1.0
PARRA	e P	01:32:26.57		HZ		
	e S	01:32:38.31		HE		
	IAML	01:32:40.97		HZ	0.025	0.2
PBAR	e P	01:32:28.35		HZ		
	e S	01:32:40.10		HN		
	IAML	01:32:42.04		HZ	0.013	0.1
PFVI	e P	01:32:28.51		HZ		
	e S	01:32:40.70		HN		
	IAML	01:32:42.21		HZ	0.015	1.0
PESTR	e P	01:32:29.37		HZ		
	e S	01:32:43.46		HN		
	IAML	01:32:45.79		HZ	0.009	0.5
PMTG	e P	01:32:31.10		HZ		
	e S	01:32:45.27		HN		
	IAML	01:32:46.97		HZ	0.017	0.3
PMAFR	e P	01:32:35.21		HZ		
PMRV	e Pg	01:32:39.80		HZ		
	e Sn	01:32:59.84		HE		
	IAML	01:33:08.50		HZ	0.005	0.6
PSBE	e Pg	01:32:40.49		HZ		
	e Sg	01:33:02.16		HN		
	IAML	01:33:04.94		HZ	0.009	0.6
PSARD	e Pg	01:32:40.58		HZ		
	e Sn	01:33:00.75		HE		
	IAML	01:33:03.96		HZ	0.010	0.1
PCBR	e Pg	01:32:46.27		EZ		
	e Sn	01:33:07.37		EN		
	IAML	01:33:16.01		EZ	0.003	0.4
MTE	e Pn	01:32:51.00		HZ		
	e Sn	01:33:20.73		HN		
	e Sg	01:33:28.20		HN		
	IAML	01:33:29.88		HZ	0.004	0.6
PVIS	e Sg	01:33:38.43		HN		

16-Jan Ho 01:55:19.9 ML 2.1
Lat 36.676°N Lon 05.446°W Prof 12
Região: NW Gibraltar (ESP) Rms 0.4
AxMax 3.2 AxMin 2.9 Ang 30 ErrZ 5

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PBAR	e Pn	01:55:51.48		HZ		
	e Sg	01:56:20.77		HN		
	IAML	01:56:25.70		HZ	0.010	0.5
PVAQ	e Pn	01:55:51.37		HZ		
	e Sn	01:56:15.20		H1		
	e Sg	01:56:21.77		H2		
	IAML	01:56:24.29		HZ	0.010	0.2
PBDV	e Sg	01:56:25.07		HN		
PCVE	e Pn	01:55:56.10		HZ		
	e Sn	01:56:23.18		HN		
	IAML	01:56:39.96		HZ	0.004	0.8
PBEJ	e Pn	01:55:57.01		EZ		
	e Sn	01:56:26.45		EN		
	e Sg	01:56:34.41		EE		
	IAML	01:56:46.09		EZ	0.004	0.5
MESJ	e Pn	01:55:59.04		HZ		
	e Sn	01:56:29.59		HN		
	e Sg	01:56:39.34		HN		
	IAML	01:56:47.22		HZ	0.006	0.6
PFVI	e Pn	01:56:03.17		HZ		
	e Sn	01:56:34.88		HN		
PARRA	e Pn	01:56:05.26		HZ		
	e Sg	01:56:50.02		HE		
	IAML	01:56:55.82		HZ	0.005	0.4
PMRV	e Pn	01:56:08.89		HZ		
	e Sn	01:56:44.93		HE		
	IAML	01:57:08.88		HZ	0.004	0.4
PMTG	e Pn	01:56:09.78		HZ		
	e Sn	01:56:48.26		HN		
	e Sg	01:56:58.95		HN		
	IAML	01:57:04.82		HZ	0.004	0.4
PCBR	e Pn	01:56:14.27		EZ		
PSARD	e Pn	01:56:14.74		HZ		
	e Sn	01:56:55.98		HE		
	IAML	01:57:14.54		HZ	0.011	0.4
PSBE	e Pn	01:56:18.69		HZ		
MTE	e Pn	01:56:22.05		HZ		
	e Sn	01:57:06.96		HN		

16-Jan Ho 04:33:39.7 ML 2.3
Lat 34.399°N Lon 04.389°W Prof 12
Região: NE Fez (Marr) Rms 0.3
AxMax 3.9 AxMin 2.4 Ang 96 ErrZ 6

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PBDV	e Pn	04:34:40.43		HZ		
	e Sn	04:35:26.03		HN		
PVAQ	e Pn	04:34:40.17		HZ		
	e Sn	04:35:25.26		H1		
	IAML	04:35:27.59		HZ	0.007	0.2
PBAR	e Pn	04:34:44.76		HZ		
	e Sn	04:35:33.48		HE		
	IAML	04:35:34.35		HZ	0.003	0.4
PCVE	e Pn	04:34:45.09		HZ		
	e Sn	04:35:34.20		HN		
MORF	e Pn	04:34:46.99		HZ		
	IAML	04:35:37.33		HZ	0.004	0.8
PBEJ	e Pn	04:34:47.97		EZ		
	e Sn	04:35:39.51		EE		
	IAML	04:35:42.76		EZ	0.002	0.2
MESJ	e Pn	04:34:48.43		HZ		
	e Sn	04:35:40.49		HE		
	IAML	04:35:43.33		HZ	0.003	0.4
PTEO	e Pn	04:34:49.73		HZ		
MOE	e Pn	04:34:57.13		HZ		
	e Sn	04:35:55.00		HE		
PARRA	e Pn	04:34:57.92		HZ		
	e Sn	04:35:56.32		HN		
	IAML	04:36:03.02		HZ	0.002	0.9

PMRV	e Pn	04:35:02.10	HZ		
	e Sn	04:36:03.04	HE		
	IAML	04:36:05.33	HZ	0.002	0.6
PMTG	e Pn	04:35:01.93	HZ		
	e Sn	04:36:04.40	HE		
PCBR	e Pn	04:35:07.53	EZ		
	e Sn	04:36:12.33	EE		
PSARD	e Pn	04:35:07.78	HZ		
	e Sn	04:36:13.90	HE		
PSBE	e Pn	04:35:10.88	HZ		
MTE	e Pn	04:35:15.01	HZ		
PVIS	e Pn	04:35:19.89	HZ		

16-Jan	Ho	04:35:43.1	ML 1.9		
	Lat	37.025°N	Lon	03.856°W	Prof 1*
	Região:	SW Granada (ESP)	Rms	0.4	
	AxMax	2.7	AxMin	2.0	Ang 71
	ErrZ	0			
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp Per</i>
PBAR	e Pn	04:36:27.46	HZ		
	e Sg	04:37:11.99	HN		
	IAML	04:37:23.28	HZ	0.003	0.6
PVAQ	e Pn	04:36:32.11	HZ		
	e Sn	04:37:09.41	H1		
	IAML	04:37:24.38	HZ	0.002	0.8
PMRV	e Pn	04:36:40.69	HZ		
	IAML	04:37:50.67	HZ	0.003	0.6
PARRA	e Pn	04:36:41.51	HZ		
	e Sn	04:37:24.23	HE		
	IAML	04:37:51.73	HZ	0.002	0.5
PCBR	e Pn	04:36:45.04	EZ		
	e Sn	04:37:30.41	EN		
PMTG	e Pn	04:36:44.50	HZ		
PSARD	e Pn	04:36:48.31	HZ		
	e Sn	04:37:36.60	HN		

16-Jan	Ho	05:53:06.5	ML 1.6		
	Lat	37.708°N	Lon	07.835°W	Prof 8
	Região:	NW Mértola	Rms	0.3	
	AxMax	2.6	AxMin	1.8	Ang 112
	ErrZ	4			
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp Per</i>
PCVE	e Pg	05:53:10.08	HZ		
	e Sg	05:53:12.49	HN		
	IAML	05:53:12.99	HZ	0.111	0.2
PBEJ	e Pg	05:53:12.56	EZ		
	e Sg	05:53:16.81	EE		
	IAML	05:53:17.88	EZ	0.031	0.1
PVAQ	e Pg	d 05:53:12.17	HZ		
	e Sg	05:53:16.13	H1		
	IAML	05:53:16.96	HZ	0.028	0.1
MESJ	e Pg	d 05:53:12.47	HZ		
	e Sg	05:53:17.30	HE		
	IAML	05:53:19.75	HZ	0.011	0.2
PBDV	e Pg	05:53:15.07	HZ		
	e Sg	05:53:20.82	HE		
PTEO	e P	05:53:20.04	HZ		
	e S	05:53:30.11	HE		
	IAML	05:53:31.54	HZ	0.006	0.1
MORF	e Pg	05:53:20.95	HZ		
	e Sg	05:53:31.86	HN		
	IAML	05:53:32.59	HZ	0.009	0.2
PBAR	e P	05:53:20.88	HZ		
	e S	05:53:31.78	HE		
	IAML	05:53:33.98	HZ	0.008	0.4
MOE	e P	05:53:23.52	HZ		
	e S	05:53:35.70	HE		
	IAML	05:53:36.89	HZ	0.011	0.5
PFVI	e P	05:53:24.37	HZ		
	e S	05:53:36.93	HE		
	IAML	05:53:38.59	HZ	0.010	0.8
PARRA	e P	05:53:26.81	HZ		
	e S	05:53:41.09	HE		
	IAML	05:53:43.66	HZ	0.007	1.1
PESTR	e S	05:53:42.74	HN		
	IAML	05:53:44.85	HZ	0.004	0.3
PMTG	e Pn	05:53:31.90	HZ		

	e Sn	05:53:49.62	HN		
	IAML	05:53:51.45	HZ	0.008	0.9
PMRV	e Pg	05:53:38.66	HZ		
	e Sg	05:54:00.25	HE		
	IAML	05:54:02.21	HZ	0.005	0.3
PSARD	e Pg	05:53:41.08	HZ		
	e Sn	05:54:03.87	HE		
	IAML	05:54:06.53	HZ	0.014	0.2
PSBE	e Pg	05:53:42.59	HZ		
	e Sg	05:54:08.66	HN		
	IAML	05:54:10.66	HZ	0.007	0.6
PCBR	e Sn	05:54:07.89	EN		

16-Jan	Ho	08:32:38.3	Distante (NEIC)	Mw 5.2	
	Lat	41.250°N	Lon	83.710°E	Prof 10
	Região:	Southern Xinjiang, China			
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp Per</i>
MVO	e LQ	09:09:08.26		LN	
	e LR	09:10:37.50		LZ	
	IAMs_20	09:14:59.08		LZ	1.500 18
PCAB	e P	08:43:25.62		SZ	
PGAV	IAMs_20	09:13:46.65		LZ	1.210 18
MTE	e LQ	09:09:35.31		LN	
	e LR	09:11:32.19		LZ	
	IAMs_20	09:15:42.97		LZ	0.918 18
PTO	e P	08:43:25.99		SZ	
PCBR	e P	08:43:29.60		SZ	
PMRV	e P	08:43:30.74		BZ	
	e LQ	09:11:17.31		LN	
	e LR	09:12:33.82		LZ	
	IAMs_20	09:14:29.30		LZ	0.818 16
PCAS	e P	08:43:29.11		BZ	
PESTR	e P	08:43:33.77		BZ	
PBAR	e P	08:43:33.43		BZ	
PMTG	e P	08:43:30.68		BZ	
PARRA	e P	08:43:34.66		BZ	
PBEJ	e P	08:43:34.29		SZ	
MOE	e P	08:43:37.42		BZ	
PVAQ	IAMs_20	09:15:22.11		LZ	0.968 20

16-Jan	Ho	09:58:19.1	Distante (NEIC)	Mw 5.6	
	Lat	00.120°N	Lon	17.090°W	Prof 10
	Região:	North of Ascension Island			
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp Per</i>
MORF	e P	10:05:35.14		BZ	
	IAMB	10:05:42.21		BZ	0.077 2.2
PBDV	e P	10:05:36.62		BZ	
	IAMB	10:05:40.84		BZ	0.099 1.7
PTEO	e P	10:05:37.82		BZ	
	IAMB	10:05:39.99		BZ	0.115 1.9
PVAQ	e P	10:05:38.64		BZ	
	IAMB	10:05:49.63		BZ	0.080 1.9
PCVE	e P	10:05:45.90		BZ	
	IAMB	10:05:50.08		BZ	0.051 1.7
MESJ	e P	10:05:41.49		BZ	
	IAMB	10:06:14.62		BZ	0.056 2.2
PBAR	e P	10:05:46.50		BZ	
	IAMB	10:05:48.00		BZ	0.031 1.7
MOE	e P	10:05:47.47		BZ	
	IAMB	10:05:48.89		BZ	0.076 2.1
PARRA	e P	10:05:48.92		BZ	
	IAMB	10:05:56.76		BZ	0.047 1.6
PSBE	e P	10:05:51.15		BZ	
PCAS	e P	10:06:02.26		BZ	
MTE	e P	10:06:02.74		BZ	
PVIS	e P	10:06:04.25		BZ	
POLO	e P	10:06:10.02		HZ	

16-Jan	Est	Fase	P h:m:s	Dur	Co	Amp Per
	PVAQ	e Pn	12:04:21.09		HZ	
		e Sn	12:05:17.16		H2	
	PARRA	e Pn	12:04:35.99		HZ	
	PBAR	e Sn	12:05:17.12		HE	

16-Jan	Ho	15:11:35.0			ML 1.9
	Lat	33.993°N	Lon	06.624°W	Prof 41*
	Região: NE Rabat (MARR)				Rms 0.4
	AxMax	5.6	AxMin	3.3	Ang 95 ErrZ 0
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp Per</i>
PBDV	e P	15:12:25.94		HZ	
	e S	15:13:03.09		HE	
PVAQ	e P	15:12:26.92		HZ	
	e S	15:13:04.41		H1	
	IAML	15:13:08.33		HZ	0.003 0.2
PCVE	e P	15:12:31.55		HZ	
MESJ	e P	15:12:33.95		HZ	
	e S	15:13:20.60		HN	
PBAR	e P	15:12:35.02		HZ	
	e S	15:13:21.10		HN	
	IAML	15:13:23.81		HZ	0.001 0.1
PARRA	e P	15:12:47.03		HZ	
	e S	15:13:40.25		HN	

16-Jan	Ho	16:31:10.3	Distante (NEIC)		Mw 5.4	
	Lat	52.070°N	Lon 159.780°E		Prof 26	
Região: Off East Coast of Kamchatka						
Est	Fase	P	h:m:s	Dur	Co	Amp Per
PGAV	e P		16:43:49.11		BZ	
POLO	e P		16:43:50.92		BZ	
	Iamb		16:44:00.37		BZ	0.044 2.0
MVO	e P		16:43:52.35		BZ	
	Iamb		16:44:02.88		BZ	0.065 1.5
PVIS	e P		16:43:54.73		BZ	
MTE	e P		16:43:54.96		BZ	
	Iamb		16:43:57.18		BZ	0.077 1.4
PCAS	e P		16:44:00.71		BZ	
PCBR	e P		16:43:58.27		SZ	
	Iamb		16:43:59.33		SZ	0.058 1.7

16-Jan	<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp Per</i>
	PBAR	e Sn	16:43:47.63		HN	
	PVAQ	e Sn	16:43:54.67		H1	
		e Sg	16:44:05.27		H2	

17-Jan	Ho	02:23:51.5			ML 2.3
	Lat	36.130°N	Lon	13.920°W	Prof 67
	Região: Josephine				Rms 0.6
	AxMax	6.1	AxMin	4.6	Ang 103 ErrZ 8
<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	02:24:50.09		HZ	
	e S	02:25:34.53		HN	
MORF	e P	02:24:52.81		HZ	
	e S	02:25:37.69		HE	
	IAML	02:25:48.40		HZ	0.004 0.2
PTEO	e P	02:24:52.54		HZ	
	e S	02:25:38.32		HN	
	IAML	02:25:41.67		HZ	0.002 0.1
PMAFR	e P	02:24:55.61		HZ	
	e S	02:25:44.35		HN	
	IAML	02:25:47.54		HZ	0.010 0.1
MESJ	e P	02:24:59.33		HZ	
	e S	02:25:49.85		HN	
	IAML	02:25:54.77		HZ	0.002 0.2
PBDV	e P	02:25:01.08		HZ	
	e S	02:25:52.89		HE	
PCVE	e P	02:25:00.54		HZ	
	e S	02:25:51.34		HN	
	IAML	02:25:56.50		HZ	0.002 0.3
MOE	e P	02:25:00.87		HZ	
	e S	02:25:53.51		HN	
	IAML	02:25:55.51		HZ	0.005 0.3
PVAQ	e P	02:25:03.37		HZ	
	e S	02:25:56.34		H2	
	IAML	02:26:01.11		HZ	0.002 0.1
PBEJ	e P	02:25:03.76		EZ	
	e S	02:25:57.27		EN	
	IAML	02:26:02.59		EZ	0.002 0.3
EVO	e P	02:25:04.11		HZ	

	e S	02:25:59.97		HN	
	IAML	02:26:08.41		HZ	0.005 0.1
PSBE	e P	02:25:05.60		HZ	
	e S	02:25:59.97		HE	
PARRA	e P	02:25:05.36		HZ	
	e S	02:26:00.89		HN	
	IAML	02:26:03.99		HZ	0.002 0.3
PMTG	e P	02:25:05.46		HZ	
	e S	02:26:02.04		HN	
	IAML	02:26:04.06		HZ	0.002 0.1
PSARD	e P	02:25:10.98		HZ	
	e S	02:26:10.56		HN	
	IAML	02:26:16.55		HZ	0.005 0.2
PESTR	e P	02:25:10.67		HZ	
	e S	02:26:10.49		HE	
PCAS	e P	02:25:12.17		HZ	
	e S	02:26:12.56		HN	
PBAR	e P	02:25:12.88		HZ	
	e S	02:26:12.83		HN	
	IAML	02:26:18.08		HZ	0.002 0.7
PMRV	e P	02:25:15.52		HZ	
	e S	02:26:19.10		HE	
	IAML	02:26:23.36		HZ	0.001 0.1
PVIS	e P	02:25:21.95		HZ	
	e S	02:26:30.40		HN	
MTE	e P	02:25:22.44		HZ	
	e S	02:26:31.58		HN	
PVRL	e P	02:25:29.08		SZ	
POLO	e P	02:25:29.44		HZ	
	e S	02:26:42.90		HE	
MVO	e P	02:25:32.75		HZ	
	e S	02:26:49.03		HN	

17-Jan						
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp</i>	<i>Per</i>
PBAR	e P	03:23:00.41		HZ		
	e S	03:23:39.24		HE		
PVAQ	e P	03:23:03.74		HZ		
	e S	03:23:44.18		H2		
	IAML	03:23:47.56		HZ	0.001	0.2
PBDV	e P	03:23:05.61		HZ		
	S	03:23:46.90		HN		

17-Jan	Ho	04:09:18.5			ML 0.7
	Lat	36.719°N	Lon	07.252°W	Prof 20
	Região: Golfo de Cádiz				Rms 0.1
	AxMax	4.9	AxMin	3.4	Ang 60 ErrZ 2
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp Per</i>
PBDV	e P	04:09:32.42		HZ	
	e S	04:09:42.75		HE	
PVAQ	e P	04:09:32.71		HZ	
	e S	04:09:43.25		H2	
	IAML	04:09:44.36		HZ	0.001 0.1
PCVE	e P	04:09:37.40		HZ	
	e S	04:09:51.85		HE	
MORF	e S	04:09:55.37		HE	

17-Jan						
<i>Est</i>	<i>Fase</i>	<i>P</i>	<i>h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp Per</i>
PBAR	e P		04:21:35.60		HZ	
	e S		04:22:34.76		HN	
	e Sg		04:23:02.98		HE	
	IAML		04:23:07.90		HZ	0.007 0.5
PMRV	e P		04:21:39.89		HZ	
	e Sg		04:23:04.13		HN	
	IAML		04:23:08.15		HZ	0.009 0.7
PCBR	e Sn		04:22:37.21		EN	
	e Sg		04:23:06.78		EE	
	IAML		04:23:09.88		EZ	0.006 0.5
PESTR	e Sg		04:23:11.43		HN	
	IAML		04:23:16.57		HZ	0.006 0.8
PSARD	e Sg		04:23:23.81		HE	
	IAML		04:23:30.49		HZ	0.010 0.7
EVO	e Sg		04:23:24.15		HN	
	IAML		04:23:31.02		HZ	0.006 0.7

PVAQ	e Sg	04:23:25.34	H2		
	IAML	04:23:28.85	HZ	0.005	0.5
PARRA	IAML	04:23:25.55	HZ	0.005	0.3
PMTG	e Sg	04:23:29.22	HE		
	IAML	04:23:32.01	HZ	0.009	0.8
MOE	e Sg	04:23:31.90	HN		
	IAML	04:23:41.21	HZ	0.008	0.6

17-Jan	Ho	05:43:25.8		ML 1.4	
	Lat	36.513°N	Lon	09.761°W	Prof 9
	Região: SW Cabo S.Vicente				Rms 0.3
	AxMax	8.8	AxMin	8.8	Ang 28 ErrZ 9

<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp</i>	<i>Per</i>
PFVI	e P	05:43:43.58		HZ		
	e S	05:43:56.41		HN		
	IAML	05:43:57.65		HZ	0.005	0.2
MORF	e P	05:43:47.12		HZ		
	e S	05:44:02.45		HN		
	IAML	05:44:03.98		HZ	0.004	0.2
PTEO	e S	05:44:05.83		HN		
PBDV	e S	05:44:14.33		HE		
	IAML	05:44:16.40		HZ	0.001	0.1
PCVE	e P	05:43:55.06		HZ		
	e S	05:44:17.17		HN		
	IAML	05:44:18.91		HZ	0.002	0.2
MESJ	e S	05:44:18.03		HE		
	IAML	05:44:19.62		HZ	0.002	0.2
PVAQ	e P	05:43:55.94		HZ		
	e S	05:44:18.32		H2		
	IAML	05:44:20.42		HZ	0.002	0.1
MOE	e P	05:44:01.87		HZ		
	e S	05:44:30.04		HE		
	IAML	05:44:31.33		HZ	0.002	0.1
PARRA	e P	05:44:07.06		HZ		
	e S	05:44:38.20		HN		
	IAML	05:44:39.20		HZ	0.001	0.1
PBAR	e S	05:44:39.65		HN		
	IAML	05:44:42.65		HZ	0.001	0.1
PMTG	e P	05:44:09.72		HZ		
	e S	05:44:41.43		HN		
	IAML	05:44:42.90		HZ	0.001	0.1
PESTR	e S	05:44:44.19		HN		
PSARD	e P	05:44:16.06		HZ		
	e S	05:44:53.76		HN		
	IAML	05:44:55.25		HZ	0.003	0.2
PMRV	e P	05:44:17.84		HZ		
	e S	05:44:56.90		HE		
	IAML	05:44:58.21		HZ	0.001	0.1

17-Jan	Ho	06:37:52.7	Distante (NEIC)	Mw 5.8	
	Lat	11.640°S	Lon	13.780°W	Prof 10
	Região: Ascension Island Region				

<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp</i>	<i>Per</i>
PTEO	e pP	06:46:49.50		BZ		
	IAMB	06:47:15.88		BZ	0.210	1.7
PCVE	e pP	06:46:50.38		BZ		
MESJ	e pP	06:46:50.19		BZ		
	IAMB	06:47:18.47		BZ	0.094	1.4
PBEJ	e pP	06:46:53.86		SZ		
	IAMB	06:47:04.96		SZ	0.070	1.7
PBAR	e pP	06:46:55.96		BZ		
	IAMB	06:47:08.27		BZ	0.087	1.1
MOE	e pP	06:46:56.64		BZ		
	IAMB	06:47:08.70		BZ	0.075	2.0
EVO	e pP	06:46:57.08		BZ		
	IAMB	06:47:08.84		BZ	0.095	1.4
PESTR	e pP	06:47:00.29		BZ		
PSBE	e pP	06:47:05.50		BZ		
	IAMB	06:47:17.10		BZ	0.114	1.9
PMRV	e pP	06:47:04.63		BZ		
	IAMB	06:47:17.10		BZ	0.125	1.7
PCBR	e pP	06:47:07.55		SZ		
	IAMB	06:47:09.66		SZ	0.056	1.3
MTE	e pP	06:47:11.72		BZ		
MVO	e pP	06:47:19.23		BZ		

POLO	e pP	06:47:19.91	BZ
PCAB	e pP	06:47:21.15	SZ
PGAV	e pP	06:47:22.43	BZ

17-Jan	Ho	08:10:58.3		ML 1.4	
	Lat	40.906°N	Lon	08.135°W	Prof 11
	Região: SE Arouca				Rms 0.4
	AxMax	4.7	AxMin	1.7	Ang 92 ErrZ 14

<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp</i>	<i>Per</i>
PVIS	e Pg	08:11:03.14		HZ		
	e Sg	08:11:07.17		HN		
PTO	e P	08:11:06.54		EZ		
PVRL	e Pg	08:11:07.29		SZ		
	e Sg	08:11:13.73		SN		
	IAML	08:11:19.08		SZ	0.014	0.1
POLO	e Pg	08:11:07.97		HZ		
	e Sg	08:11:15.39		HE		
	IAML	08:11:15.70		HZ	0.004	0.2
MTE	e Sg	08:11:20.55		HN		
	IAML	08:11:24.51		HZ	0.007	0.4
PCAB	e P	08:11:12.87		EZ		
	e S	08:11:23.35		EE		
	IAML	08:11:26.68		EZ	0.020	0.3
MVO	i Pg	08:11:14.61		HZ		
	e S	08:11:26.37		HN		
	IAML	08:11:28.86		HZ	0.008	0.2
PCAS	e P	08:11:14.53		HZ		
	e S	08:11:26.94		HE		
	IAML	08:11:27.12		HZ	0.005	0.6
PGAV	e P	08:11:17.48		HZ		
	e S	08:11:32.03		HE		
	IAML	08:11:32.98		HZ	0.009	0.4
PCBR	e Pn	08:11:19.75		EZ		
	e Sg	08:11:35.11		EN		
	IAML	08:11:37.32		EZ	0.007	0.2
PSARD	e Pg	08:11:21.98		HZ		
	e Sg	08:11:38.75		HN		
	IAML	08:11:43.51		HZ	0.011	0.2
PMRV	e Pg	08:11:26.92		HZ		
	e Sg	08:11:47.71		HE		
	IAML	08:11:49.69		HZ	0.003	0.7
PMTG	e Sg	08:11:54.77		HE		
	IAML	08:11:55.27		HZ	0.003	0.6
PESTR	e Sg	08:12:01.67		HN		
PARRA	e Pg	08:11:35.30		HZ		
	e Sg	08:12:02.07		HN		
	IAML	08:12:04.89		HZ	0.003	0.3

17-Jan	Ho	12:35:53.0		ML 0.5	
	Lat	37.166°N	Lon	08.543°W	Prof 15
	Região: N Portimão				Rms 0.2
	AxMax	3.4	AxMin	3.4	Ang 166 ErrZ 10

<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp</i>	<i>Per</i>
MORF	e P	12:35:57.12		HZ		
	e S	12:36:00.05		HN		
	IAML	12:36:00.73		HZ	0.006	0.1
PFVI	e P	12:35:57.76		HZ		
	e S	12:36:01.24		HN		
	IAML	12:36:01.86		HZ	0.006	0.3
PBDV	e P	12:36:02.57		HZ		
	e S	12:36:09.17		HN		
	IAML	12:36:10.41		HZ	0.001	0.1
PCVE	e P	12:36:04.73		HZ		
	e S	12:36:12.57		HE		
	IAML	12:36:13.87		HZ	0.001	0.1
PVAQ	e P	12:36:05.73		HZ		
	e S	12:36:15.07		H1		
	IAML	12:36:17.26		HZ	0.001	0.1
MESJ	e S	12:36:15.80		HE		
	IAML	12:36:17.96		HZ	0.001	0.1

17-Jan	Ho	12:57:13.8			ML 0.4
	Lat	38.727°N	Lon	07.898°W	Prof 11
	Região:	E Arraiolos			Rms 0.3
	AxMax	2.9	AxMin	2.1	Ang 96 ErrZ 5
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp Per</i>
PARRA	e Pg	12:57:17.18		HZ	
	e Sg	12:57:19.97		HE	
	IAML	12:57:20.06		HZ	0.003 0.1
EVO	e Pg	12:57:18.21		HZ	
	e Sg	12:57:21.58		HE	
	IAML	12:57:21.72		HZ	0.009 0.1
PESTR	e Pg	12:57:19.14		HZ	
	e Sg	12:57:23.45		HN	
MOE	e Pg	12:57:21.14		HZ	
	e Sg	12:57:26.79		HN	
	IAML	12:57:27.18		HZ	0.002 0.3
PMTG	e Pg	12:57:21.67		HZ	
	e Sg	12:57:27.64		HE	
	IAML	12:57:28.73		HZ	0.001 0.1
PMRV	e P	12:57:28.31		HZ	
	e S	12:57:38.79		HE	
	IAML	12:57:38.86		HZ	0.001 0.3
PSARD	e P	12:57:30.23		HZ	
	e S	12:57:42.12		HE	
	IAML	12:57:42.74		HZ	0.003 0.4
MESJ	e S	12:57:42.21		HE	
PVAQ	e S	12:57:54.38		H1	
PBDV	e S	12:57:58.76		HE	

17-Jan	Ho	17:49:30.9			ML 1.9
	Lat	34.513°N	Lon	08.685°W	Prof 31
	Região:	Mar de Marrocos			Rms 0.7
	AxMax	11.7	AxMin	5.4	Ang 77 ErrZ 11
<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	17:50:08.68		HZ	
	e S	17:50:37.84		HE	
	IAML	17:50:41.80		HZ	0.007 0.6
MORF	e P	17:50:11.25		HZ	
	e S	17:50:42.33		HN	
	IAML	17:50:46.97		HZ	0.004 0.1
PBDV	e P	17:50:11.77		HZ	
	e S	17:50:42.95		HN	
	IAML	17:50:49.63		HZ	0.003 0.4
PVAQ	e P	17:50:14.37		HZ	
	e S	17:50:46.95		H2	
	IAML	17:50:51.91		HZ	0.003 0.3
PTEO	e P	17:50:14.44		HZ	
	e S	17:50:47.32		HN	
	IAML	17:50:53.85		HZ	0.004 0.4
PCVE	e P	17:50:16.86		HZ	
	e S	17:50:51.59		HN	
	IAML	17:50:53.07		HZ	0.002 0.3
MESJ	e P	17:50:19.21		HZ	
	e S	17:50:55.42		HN	
	IAML	17:50:56.70		HZ	0.002 0.2
MOE	e P	17:50:28.20		HZ	
	e S	17:51:12.61		HE	
	IAML	17:51:12.91		HZ	0.002 0.4
EVO	e S	17:51:13.21		HE	
PARRA	e P	17:50:32.25		HZ	
	e S	17:51:19.44		HE	
	IAML	17:51:23.43		HZ	0.002 0.4
PESTR	e P	17:50:35.02		HZ	
PMAFR	e P	17:50:34.93		HZ	
PMTG	e P	17:50:35.45		HZ	
	e S	17:51:24.04		HN	
	IAML	17:51:27.58		HZ	0.001 0.1
PSBE	e P	17:50:42.46		HZ	
PMRV	e P	17:50:41.92		HZ	
	e S	17:51:35.90		HE	
PSARD	e P	17:50:43.26		HZ	
	e S	17:51:38.30		HN	
	IAML	17:51:39.45		HZ	0.003 0.3

17-Jan	Ho	17:47:37.7	Distante (NEIC)	Mw 4.3
	Lat	37.660°N	Lon	20.850°E
	Região:	Ionian Sea		Prof 18
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>
MVO	e P	17:52:32.40		BZ
PBAR	e P	17:52:33.66		BZ
PMRV	e P	17:52:33.73		BZ
PARRA	e P	17:52:41.38		BZ
PMTG	e P	17:52:41.97		BZ
MESJ	e P	17:52:42.19		BZ
PFVI	e P	17:52:50.16		BZ

17-Jan	Ho	17:47:37.7	Distante (NEIC)	Mw 4.3
	Lat	37.660°N	Lon	20.850°E
	Região:	Ionian Sea		Prof 18
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>
PBAR	e Sn	19:25:14.45		HN
	e Sg	19:25:35.43		HN
PMRV	e Sg	19:25:40.66		HN
	IAML	19:25:45.73		HZ
PESTR	e Sg	19:25:45.52		HE
PVAQ	e Sg	19:25:55.92		H1
PARRA	e Sg	19:25:57.18		HN
PSARD	e Sg	19:25:59.12		HN

17-Jan	Ho	22:01:10.4			ML 2.7
	Lat	37.107°N	Lon	03.811°W	Prof 1
	Região:	W Granada (ESP)			Rms 0.7
	AxMax	2.2	AxMin	1.9	Ang 173 ErrZ 3
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp Per</i>
PBAR	e Pn	22:01:54.59		HZ	
	e Sn	22:02:27.74		HN	
	e Sg	22:02:39.36		HN	
	IAML	22:02:50.76		HZ	0.015 0.3
PVAQ	e Pn	22:01:58.80		HZ	
	e Sn	22:02:36.83		H1	
	IAML	22:02:46.30		HZ	0.010 0.5
PBDV	e Pn	22:02:01.69		HZ	
	e Sn	22:02:41.78		HN	
PBEJ	e Pn	22:02:03.31		EZ	
	e Sn	22:02:42.71		EN	
	IAML	22:03:08.64		EZ	0.011 0.7
PCVE	e Pn	22:02:04.29		HZ	
	e Sg	22:02:59.47		HN	
	IAML	22:03:04.19		HZ	0.013 0.6
PESTR	e Pn	22:02:05.37		HZ	
	e Sn	22:02:44.37		HN	
	e Sg	22:02:59.87		HE	
	IAML	22:03:02.85		HZ	0.016 0.7
MESJ	e Pn	22:02:05.59		HZ	
	e Sn	22:02:47.72		HE	
	e Sg	22:03:05.77		HN	
	IAML	22:03:11.03		HZ	0.014 0.8
EVO	e Pn	22:02:06.99		HZ	
	e Sn	22:02:49.16		HE	
	e Sg	22:03:05.42		HN	
	IAML	22:03:15.26		HZ	0.016 0.8
PMRV	e Pn	22:02:08.03		HZ	
	e Sn	22:02:47.70		HE	
	e Sg	22:03:05.98		HN	
	IAML	22:03:08.74		HZ	0.012 0.6
PARRA	e Pn	22:02:08.69		HZ	
	e Sn	22:02:51.99		HE	
	e Sg	22:03:09.58		HN	
	IAML	22:03:17.53		HZ	0.010 0.4
MOE	e Pn	22:02:10.33		HZ	
	e Sn	22:02:54.42		HN	
	IAML	22:03:25.42		HZ	0.027 0.7
MORF	e Pn	22:02:10.75		HZ	
	e Sn	22:02:55.20		HN	
PTEO	e Pn	22:02:11.18		HZ	
	e Sn	22:02:56.16		HN	
	IAML	22:03:26.57		HZ	0.018 0.7
PCBR	e Pn	22:02:12.29		EZ	
	e Sn	22:02:57.44		EN	
	e Sg	22:03:16.27		EN	
	IAML	22:03:26.52		EZ	0.008 0.4

PMTG	e Pn	22:02:12.04	HZ			
	e Sn	22:02:56.69	HE			
	e Sg	22:03:19.17	HN			
	IAML	22:03:27.90	HZ	0.014	0.8	
PFVI	e Pn	22:02:12.42	HZ			
	e Sn	22:02:58.14	HN			
	IAML	22:03:34.45	HZ	0.010	0.8	
PSARD	e Pn	22:02:15.45	HZ			
	IAML	22:03:33.23	HZ	0.034	0.5	
MTE	e Pn	22:02:18.31	HZ			
	e Sn	22:03:06.50	HN			
	e Sg	22:03:31.97	HN			
	IAML	22:03:43.44	HZ	0.019	0.5	
PSBE	e Pn	22:02:21.01	HZ			
	e Sn	22:03:12.12	HE			
	IAML	22:03:46.02	HZ	0.015	0.6	
PMAFR	e Pn	22:02:22.10	HZ			
	e Sn	22:03:15.69	HE			
	IAML	22:04:00.15	HZ	0.019	0.8	
MVO	e Pn	22:02:23.20	HZ			
	e Sn	22:03:16.28	HN			
	IAML	22:03:54.59	HZ	0.012	0.5	
PVIS	e Pn	22:02:23.42	HZ			
	e Sn	22:03:16.78	HN			
PVRL	e Pn	22:02:28.50	SZ			
	e Sn	22:03:24.34	SN			
	IAML	22:04:01.44	SZ	0.007	0.6	
POLO	e Pn	22:02:30.34	HZ			
	e Sn	22:03:27.92	HE			
	IAML	22:04:03.35	HZ	0.004	0.4	
PCAB	e Pn	22:02:35.53	EZ			
PGAV	e Pn	22:02:39.60	HZ			

17-Jan

Est	Fase	P h:m:s	Dur	Co	Amp	Per
MVO	e Pn	22:31:40.72	HZ			
	e Sn	22:32:36.37	HN			
	IAML	22:33:16.43	HZ	0.003	0.6	
PMRV	e Pn	22:31:43.02	HZ			
	e Sn	22:32:42.13	HN			
	IAML	22:33:15.84	HZ	0.002	0.3	
PSARD	e Pn	22:31:51.26	HZ			
	e Sn	22:32:56.40	HE			
	IAML	22:33:37.42	HZ	0.003	0.7	
PARRA	e Sn	22:32:56.75	HN			
	IAML	22:33:39.43	HZ	0.001	0.4	
PGAV	e Sn	22:33:04.34	HN			
MOE	e Sn	22:33:06.76	HN			

18-Jan

18-Jan	Ho 02:14:54.0					ML 1.4	
	Lat 38.639°N		Lon 06.997°W		Prof 2		
	Região: SE Olivença					Rms 0.4	
	AxMax	2.4	AxMin	1.6	Ang	99	ErrZ 4
Est	Fase	P h:m:s		Dur	Co	Amp	Per
PBAR	e Pg	02:15:02.64			HZ		
	e Sg	02:15:08.65			HN		
	IAML	02:15:08.84			HZ	0.011	0.4
PESTR	e Pg	02:15:03.56			HZ		
	e Sg	02:15:10.25			HE		
	IAML	02:15:10.79			HZ	0.005	0.1
EVO	e P	02:15:09.18			HZ		
	e S	02:15:19.84			HN		
	IAML	02:15:22.59			HZ	0.017	0.3
PARRA	e P	02:15:09.58			HZ		
	e S	02:15:20.19			HE		
	IAML	02:15:23.68			HZ	0.003	0.2
PMRV	e P	02:15:09.54			HZ		
	e S	02:15:20.82			HN		
	IAML	02:15:23.73			HZ	0.008	0.2
PBEJ	e S	02:15:22.65			EN		
	IAML	02:15:26.10			EZ	0.008	0.2
PMTG	e P	02:15:13.62			HZ		
	e S	02:15:27.48			HN		
	IAML	02:15:28.47			HZ	0.005	0.3
MOE	e P	02:15:13.98			HZ		

	e S	02:15:28.41	HN			
	IAML	02:15:29.07	HZ	0.005	0.3	
MESJ	e P	02:15:17.57	HZ			
	e S	02:15:33.99	HN			
	IAML	02:15:35.54	HZ	0.006	0.8	
PCBR	e P	02:15:17.05	EZ			
	e S	02:15:33.43	EN			
	IAML	02:15:33.76	EZ	0.002	0.1	
PCVE	e P	02:15:19.13	HZ			
	e S	02:15:35.71	HN			
	IAML	02:15:37.39	HZ	0.008	0.3	
PSARD	e Pn	02:15:18.36	HZ			
	e Sn	02:15:35.47	HN			
	IAML	02:15:37.35	HZ	0.013	0.2	
PVAQ	e Pn	02:15:19.30	HZ			
	e Sn	02:15:37.13	H1			
	IAML	02:15:38.58	HZ	0.005	0.9	
PBDV	e Pn	02:15:22.95	HZ			
	e Sg	02:15:43.62	HN			
	IAML	02:15:45.01	HZ	0.002	0.2	
PSBE	e Pn	02:15:24.50	HZ			
	e Sg	02:15:46.29	HN			
PTEO	e Sg	02:15:49.81	HN			
MTE	e Pg	02:15:27.53	HZ			
	e Sg	02:15:50.30	HN			
MORF	e Sg	02:15:53.71	HN			
PFVI	e Sg	02:16:00.40	HN			
PVIS	e Pg	02:15:33.86	HZ			
	e Sg	02:16:02.16	HE			
MVO	e Pg	02:15:40.88	HZ			
	e Sg	02:16:12.50	HE			

18-Jan Ho 05:38:13.1

Lat 36.547°N		Lon 07.611°W		ML 1.1	
Prof 18		Rms 0.4		ErrZ 5	
Região: Golfo de Cádiz		AxMax 6.6		AxMin 6.0	
		Ang 143			

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PBDV	e P	05:38:27.10	HZ			
	e S	05:38:37.13	HN			
PVAQ	e P	05:38:28.65	HZ			
	e S	05:38:39.53	H2			
	IAML	05:38:40.36	HZ	0.005	1.3	
MORF	e P	05:38:32.23	HZ			
	e S	05:38:46.93	HE			
PCVE	e P	05:38:32.78	HZ			
	e S	05:38:47.25	HE			
PFVI	e P	05:38:32.49	HZ			
	e S	05:38:47.28	HN			
PTEO	e P	05:38:35.65	HZ			
	e S	05:38:52.21	HN			
MESJ	e P	05:38:36.01	HZ			
	e S	05:38:52.68	HN			
PBAR	e P	05:38:40.02	HZ			
	e S	05:38:59.55	HN			
EVO	e P	05:38:44.79	HZ			
	e S	05:39:08.44	HN			
	IAML	05:39:10.34	HZ	0.001	0.1	
PARRA	e P	05:38:48.53	HZ			
	e S	05:39:15.30	HE			
	IAML	05:39:15.90	HZ	0.001	0.1	
PMTG	e P	05:38:52.49	HZ			
	e S	05:39:22.06	HE			
PSARD	e P	05:38:59.52	HZ			
	e S	05:39:34.57	HN			
	IAML	05:39:35.83	HZ	0.002	0.3	

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Est	Fase	P h:m:s	Dur	Co	Amp	Per
PTEO	e Pg	11:23:34.50	HZ			
	e Sg	11:23:37.53	HN			
	IAML	11:23:39.38	HZ	0.007	0.4	
MORF	e Pg	11:23:36.03	HZ			
PCVE	e Pg	11:23:36.20	HZ			
	e Sg	11:23:40.27	HE			
	IAML	11:23:41.06	HZ	0.003	0.3	

MESJ	e Pg	11:23:36.31	HZ		
PVAQ	e Pg	11:23:41.50	HZ		
	e Sg	11:23:50.09	H2		
	IAML	11:23:50.92	HZ	0.002	0.3
MOE	e P	11:23:48.61	HZ		
	e S	11:24:01.15	HN		
	IAML	11:24:05.31	HZ	0.003	0.7
PBAR	e S	11:24:10.32	HE		
	IAML	11:24:11.50	HZ	0.001	0.5
PARRA	e S	11:24:10.75	HE		
	IAML	11:24:14.39	HZ	0.001	0.6

18-Jan Ho 13:26:51.7 ML 0.6					
Lat 38.821°N Lon 08.323°W Prof 7					
Região: SW Mora Rms 0.2					
AxMax 3.4 AxMin 1.9 Ang 91 ErrZ 5					
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp Per</i>
PARRA	i Pg	d 13:26:55.93		HZ	
	e Sg	13:26:59.24		HN	
	IAML	13:26:59.35		HZ	0.005 0.2
PMTG	e Pg	c 13:26:56.59		HZ	
	e Sg	13:27:00.33		HN	
	IAML	13:27:00.68		HZ	0.004 0.2
MOE	e Pg	13:26:56.93		HZ	
	e Sg	13:27:01.07		HN	
	IAML	13:27:01.94		HZ	0.005 0.2
EVO	e Pg	13:26:58.55		HZ	
	e Sg	13:27:03.78		HE	
	IAML	13:27:04.25		HZ	0.006 0.1
PSARD	e P	13:27:06.60		HZ	
	e S	13:27:16.76		HN	
	IAML	13:27:17.85		HZ	0.003 0.3
PMRV	e P	13:27:09.02		HZ	
	e S	13:27:21.36		HE	
MESJ	e S	13:27:23.10		HN	
	IAML	13:27:25.43		HZ	0.002 0.7
PBAR	e P	13:27:13.05		HZ	
	e S	13:27:29.81		HE	
PVAQ	e S	13:27:38.28		H2	

18-Jan Ho 16:10:51.5 ML 1.9					
Lat 36.471°N Lon 10.991°W Prof 17*					
Região: Gorringer Rms 0.4					
AxMax 7.0 AxMin 4.2 Ang 84 ErrZ 0					
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp Per</i>
MORF	e P	16:11:23.39		HZ	
	e S	16:11:47.35		HE	
	IAML	16:11:48.48		HZ	0.004 0.1
PTEO	e P	16:11:24.16		HZ	
	e S	16:11:49.00		HE	
PBDV	e P	16:11:30.87		HZ	
	e S	16:12:00.21		HE	
MESJ	e P	16:11:31.00		HZ	
	e S	16:12:00.40		HE	
	IAML	16:12:03.43		HZ	0.003 0.7
PCVE	e P	16:11:31.67		HZ	
	e S	16:12:01.89		HE	
	IAML	16:12:10.10		HZ	0.002 0.9
PVAQ	e P	16:11:33.90		HZ	
	e S	16:12:04.90		H2	
	IAML	16:12:07.38		HZ	0.003 0.9
PMAFR	e S	16:12:05.44		HN	
	IAML	16:12:05.70		HZ	0.019 0.4
MOE	e P	16:11:35.15		HZ	
	e S	16:12:08.90		HN	
	IAML	16:12:10.82		HZ	0.003 0.2
PBEJ	e S	16:12:08.28		EE	
PARRA	e P	16:11:40.66		HZ	
	e S	16:12:17.38		HE	
	IAML	16:12:25.20		HZ	0.002 0.9
PMTG	e P	16:11:41.45		HZ	
	e S	16:12:19.46		HN	
PSBE	e S	16:12:22.51		HN	
PBAR	e P	16:11:44.95		HZ	
	e S	16:12:24.14		HE	

PSARD	e P	16:11:47.88		HZ	
	e S	16:12:30.44		HN	
	IAML	16:12:31.15		HZ	0.006 0.2
PCAS	e S	16:12:35.95		HE	
PMRV	e P	16:11:51.47		HZ	
	e S	16:12:35.79		HE	
	IAML	16:12:37.59		HZ	0.002 0.3
MVO	e S	16:13:12.64		HE	

18-Jan					
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp Per</i>
PTEO	e P	16:11:34.20		HZ	
	e S	16:12:19.86		HN	
	IAML	16:12:27.24		HZ	0.007 0.6
MORF	e S	16:12:19.41		HN	
	IAML	16:12:20.55		HZ	0.006 0.3
PMAFR	e S	16:12:30.20		HE	
	IAML	16:12:34.37		HZ	0.014 0.7
MESJ	e S	16:12:31.51		HE	
	IAML	16:12:36.16		HZ	0.003 0.8
PBDV	e S	16:12:32.69		HN	
	IAML	16:12:39.22		HZ	0.004 0.9
PCVE	e S	16:12:33.03		HN	
	IAML	16:12:35.34		HZ	0.004 0.8
PVAQ	e S	16:12:36.95		H2	
	IAML	16:12:45.17		HZ	0.004 1.1
MOE	e S	16:12:37.53		HN	
	IAML	16:12:38.00		HZ	0.003 0.2
EVO	e S	16:12:43.71		HE	
	IAML	16:12:45.94		HZ	0.004 0.1
PARRA	e S	16:12:46.64		HN	
	IAML	16:12:50.16		HZ	0.001 0.3
PMTG	e S	16:12:47.51		HN	
	IAML	16:12:52.13		HZ	0.001 0.1
PBAR	e S	16:12:55.78		HN	
PSARD	e S	16:12:59.13		HE	
	IAML	16:13:00.67		HZ	0.006 0.2
PMRV	e S	16:13:04.52		HN	
	IAML	16:13:08.30		HZ	0.002 0.7

18-Jan Ho 16:38:14.3 Distante (NEIC) Mw 6.0					
Lat 02.840°S Lon 139.340°E Prof 44					
Região: Near North Coast of Irian Jaya					
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp Per</i>
MVO	e PKPdf	16:57:22.91		BZ	
	e LR	17:43:02.98		LZ	
	IAMs_20	17:58:35.82		LZ	4.274 22
PGAV	e LR	17:43:03.40		LZ	
	IAMs_20	17:59:50.61		LZ	2.987 20
PVRL	e PKPdf	16:57:23.34		SZ	
PVIS	e PKPdf	16:57:24.54		BZ	
MTE	e LR	17:43:45.28		LZ	
	IAMs_20	17:59:00.83		LZ	3.977 22
PMRV	e LR	17:48:00.81		LZ	
	IAMs_20	17:59:26.41		LZ	3.978 22
PESTR	e PKPdf	16:57:27.09		BZ	
PBAR	e PKPdf	16:57:26.79		BZ	
MOE	e PKPdf	16:57:28.97		BZ	
PMAFR	e PKPdf	16:57:28.60		BZ	
PVAQ	e LR	17:48:44.36		LZ	
	IAMs_20	18:02:21.39		LZ	2.499 22
PMAR	e PKPdf	16:57:42.50		BZ	
PMOZ	e PKPdf	16:57:40.26		BZ	
	e LR	17:48:43.44		LZ	
	IAMs_20	18:01:42.28		LZ	1.209 22

18-Jan Ho 20:16:20.1 ML 1.8					
Lat 36.389°N Lon 11.090°W Prof 32*					
Região: Gorringer Rms 0.4					
AxMax 8.7 AxMin 5.9 Ang 97 ErrZ 0					
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp Per</i>
PFVI	e P	20:16:49.32		HZ	
	e S	20:17:11.52		HE	

MORF	e P	20:16:52.04	HZ				
	e S	20:17:16.35	HE				
	IAML	20:17:18.72	HZ	0.004	0.1		
PTEO	e P	20:16:52.97	HZ				
	e S	20:17:18.42	HN				
	IAML	20:17:18.96	HZ	0.003	0.2		
PBDV	e P	20:16:59.57	HZ				
	e S	20:17:29.47	HN				
MESJ	e P	20:17:00.57	HZ				
	e S	20:17:30.04	HN				
PCVE	e P	20:17:00.24	HZ				
	e S	20:17:30.86	HN				
PVAQ	e P	20:17:02.33	HZ				
	e S	20:17:33.14	H2				
	IAML	20:17:38.08	HZ	0.002	0.3		
PMAFR	e S	20:17:34.64	HN				
	IAML	20:17:35.12	HZ	0.011	0.2		
PBEJ	e S	20:17:37.67	EN				
MOE	e P	20:17:04.04	HZ				
	e S	20:17:38.16	HE				
	IAML	20:17:39.63	HZ	0.003	0.5		
EVO	e P	20:17:07.63	HZ				
	e S	20:17:42.74	HE				
	IAML	20:17:45.72	HZ	0.003	0.1		
PARRA	e P	20:17:09.51	HZ				
	e S	20:17:46.65	HN				
	IAML	20:17:48.01	HZ	0.001	0.2		
PMTG	e P	20:17:10.23	HZ				
	e S	20:17:48.62	HE				
	IAML	20:17:50.79	HZ	0.001	0.1		
PSBE	e S	20:17:51.37	HE				
PBAR	e P	20:17:13.72	HZ				
	e S	20:17:53.96	HN				
PCAS	e S	20:18:05.14	HE				
PMRV	e S	20:18:04.87	HN				
	IAML	20:18:08.33	HZ	0.002	0.2		
PCBR	e S	20:18:11.62	EE				

18-Jan	Ho	20:26:56.7				ML 0.8	
	Lat	37.384°N	Lon	08.507°W		Prof 4	
	Região:	NE Monchique				Rms 0.4	
	AxMax	3.1	AxMin	2.3	Ang 122	ErrZ 10	
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp</i>	<i>Per</i>	
MORF	i Pg	d 20:26:59.38		HZ			
	e Sg	20:27:01.71		HE			
	IAML	20:27:01.97		HZ	0.016	0.1	
PTEO	i Pg	d 20:27:01.12		HZ			
	e Sg	20:27:04.53		HN			
	IAML	20:27:05.59		HZ	0.004	0.2	
PFVI	e Sg	20:27:07.42		HN			
	IAML	20:27:08.13		HZ	0.005	0.1	
PCVE	e Sg	20:27:11.05		HE			
	IAML	20:27:11.88		HZ	0.001	0.2	
PBDV	e Pg	20:27:05.70		HZ			
	e Sg	20:27:12.24		HN			
	IAML	20:27:14.02		HZ	0.006	0.2	
MESJ	e Pg	20:27:06.79		HZ			
	IAML	20:27:13.02		HZ	0.001	0.2	
	e Sg	20:27:13.23		HE			
PVAQ	e Pg	20:27:08.15		HZ			
	e Sg	20:27:17.03		H1			
	IAML	20:27:19.28		HZ	0.006	0.4	
PBEJ	e S	20:27:23.43		EE			
	IAML	20:27:24.55		EZ	0.002	0.2	
MOE	e S	20:27:33.59		HE			
EVO	e S	20:27:35.15		HN			
PBAR	e Sg	20:27:40.81		HN			
PARRA	e Sg	20:27:43.19		HE			
PMTG	e Sg	20:27:50.52		HE			

18-Jan	Est	Fase	P h:m:s	Dur	Co	Amp	Per
	PBAR	e Pg	21:17:28.73		HZ		
		e Sn	21:17:51.95		HE		
		e Sg	21:17:57.15		HN		

	IAML	21:18:00.91	HZ	0.002	0.5		
PARRA	e Pn	21:17:39.29	HZ				
	e Sn	21:18:14.30	HN				
	e Sg	21:18:30.41	HE				
PVAQ	e Sg	21:18:02.13	H1				
	IAML	21:18:03.69	HZ	0.004	0.7		
PBDV	e Sg	21:18:05.50	HE				

18-Jan	Est	Fase	P h:m:s	Dur	Co	Amp	Per
	PVAQ	e Pn	21:17:56.88		HZ		
		e Sn	21:18:23.03		H1		
		e Sg	21:18:30.50		H2		
		IAML	21:18:38.16		HZ	0.005	0.6
	PBAR	e Pn	21:17:57.13		HZ		
		e Sn	21:18:21.21		HE		
		e Sg	21:18:26.43		HN		
		IAML	21:18:31.92		HZ	0.003	0.4
	PBDV	e Sg	21:18:35.92		HN		
	MESJ	e Sn	21:18:36.62		HN		
		e Sg	21:18:46.78		HN		
	PARRA	e Sn	21:18:43.49		HN		
		e Sg	21:18:58.28		HE		
		IAML	21:19:08.21		HZ	0.003	0.7
	MOE	e Sn	21:18:46.27		HN		
		e Sg	21:19:01.22		HN		
	PMTG	e Sg	21:19:04.71		HE		

18-Jan	Ho	22:44:50.3				ML 2.0	
	Lat	35.047°N	Lon	03.170°W		Prof 3	
	Região:	SW Melilla				Rms 0.5	
	AxMax	4.8	AxMin	2.3	Ang 138	ErrZ 5	
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp</i>	<i>Per</i>	
PVAQ	e P	22:45:56.91		HZ			
	e S	22:46:46.21		H1			
PBAR	e P	22:45:57.21		HZ			
	e S	22:46:46.38		HE			
PBDV	e P	22:45:56.97		HZ			
	e S	22:46:48.45		HE			
PCVE	e P	22:46:01.39		HZ			
PBEJ	e P	22:46:03.23		EZ			
MESJ	e P	22:46:04.28		HZ			
PTEO	e P	22:46:07.27		HZ			
	e S	22:47:04.87		HN			
EVO	e P	22:46:08.30		HZ			
	e S	22:47:06.21		HN			
PARRA	e P	22:46:11.32		HZ			
	e S	22:47:12.33		HE			
MOE	e P	22:46:11.74		HZ			
PMRV	e P	22:46:12.81		HZ			
PMTG	e P	22:46:15.03		HZ			
PCBR	e P	22:46:18.05		EZ			
PSARD	e P	22:46:20.08		PS			
PSBE	e P	22:46:24.42		HZ			
PVIS	e P	22:46:30.60		HZ			
MVO	e P	22:46:31.12		HZ			
PVRL	e P	22:46:35.77		SZ			
POLO	e P	22:46:37.77		HZ			
PCAB	e P	22:46:42.46		EZ			

18-Jan	Ho	22:48:31.8				ML 2.1	
	Lat	36.618°N	Lon	11.303°W		Prof 32	
	Região:	Gorringe				Rms 0.4	
	AxMax	11.9	AxMin	4.4	Ang 70	ErrZ 17	
<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 22:49:02.22		HZ			
	e S	22:49:25.23		HE			
	IAML	22:49:26.24		HZ	0.008	0.1	
MORF	e P	22:49:04.79		HZ			
	e S	22:49:30.21		HN			
	IAML	22:49:31.95		HZ	0.009	0.2	
PTEO	e P	22:49:05.32		HZ			
	e S	22:49:30.41		HN			
	IAML	22:49:38.23		HZ	0.009	0.6	

MESJ	e P	22:49:12.28	HZ		
	e S	22:49:41.77	HE		
	IAML	22:49:47.46	HZ	0.004	0.6
PBDV	e P	22:49:13.01	HZ		
	e S	22:49:43.56	HN		
	IAML	22:49:45.87	HZ	0.005	0.9
PCVE	e P	22:49:12.71	HZ		
	e S	22:49:43.27	HN		
	IAML	22:49:49.24	HZ	0.003	0.2
PMAFR	e P	22:49:12.90	HZ		
	e S	22:49:44.36	HN		
	IAML	22:49:46.79	HZ	0.017	0.9
PVAQ	e P	22:49:15.29	HZ		
	e S	22:49:47.97	H2		
	IAML	22:49:54.25	HZ	0.005	0.3
MOE	e P	22:49:15.56	HZ		
	e S	22:49:48.82	HN		
	IAML	22:49:52.53	HZ	0.007	0.1
PBEJ	e P	22:49:16.86	EZ		
	e S	22:49:49.85	EE		
	IAML	22:49:51.00	EZ	0.003	0.4
EVO	e S	22:49:53.95	HE		
	IAML	22:49:58.21	HZ	0.006	0.1
PARRA	e P	22:49:20.74	HZ		
	e S	22:49:58.06	HN		
	IAML	22:50:01.06	HZ	0.003	0.2
PMTG	e P	22:49:21.78	HZ		
	e S	22:49:58.97	HN		
	IAML	22:50:05.70	HZ	0.003	0.1
PSBE	e P	22:49:22.05	HZ		
	e S	22:50:01.56	HN		
	IAML	22:50:04.46	HZ	0.006	0.5
PBAR	e P	22:49:26.06	HZ		
	e S	22:50:05.52	HN		
	IAML	22:50:09.52	HZ	0.002	0.3
PSARD	e P	22:49:27.78	HZ		
	e S	22:50:09.45	HN		
	IAML	22:50:11.60	HZ	0.012	0.2
PCAS	e P	22:49:30.00	HZ		
	e S	22:50:14.56	HN		
	IAML	22:50:18.17	HZ	0.003	0.5
PMRV	e P	22:49:31.25	HZ		
	e S	22:50:16.24	HE		
	IAML	22:50:21.32	HZ	0.002	0.3
PCBR	e P	22:49:34.65	EZ		
	e S	22:50:21.99	EE		
	IAML	22:50:23.25	EZ	0.002	0.6
PVIS	e P	22:49:41.38	HZ		
	e S	22:50:33.75	HN		
PVRL	e S	22:50:47.10	SN		
	IAML	22:50:48.40	SZ	0.002	0.1
POLO	e P	22:49:48.90	HZ		
	e S	22:50:46.66	HN		
MVO	e S	22:50:51.29	HN		
PCAB	e S	22:50:51.36	EE		
PGAV	e S	22:50:55.85	HE		

18-Jan	Ho	23:48:03.6	ML 2.3
	Lat	36.769°N	Lon 05.594°W
	Região:	NE Cádiz (ESP)	Prof 16
	AxMax	2.5	AxMin 2.3
	Ang	7	ErrZ 3
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur Co Amp Per</i>
PVAQ	e Pn	23:48:32.69	HZ
	e Sn	23:48:53.82	H1
	e Sg	23:48:59.45	H1
	IAML	23:49:04.04	HZ 0.018 0.4
PBAR	e Pn	23:48:32.38	HZ
	e Sn	23:48:55.44	HN
	e Sg	23:49:00.33	HN
	IAML	23:49:00.76	HZ 0.016 0.3
PBDV	e Pn	23:48:34.61	HZ
	e Sg	23:49:03.01	HE
	IAML	23:49:16.33	HZ 0.010 0.4
PCVE	e Pn	23:48:37.31	HZ
	e Pg	23:48:42.42	HZ

	e Sn	23:49:02.95	HN
	e Sg	23:49:09.53	HN
	IAML	23:49:14.93	HZ 0.011 0.4
PBEJ	e Pn	23:48:38.08	EZ
	e Sg	23:49:11.48	EE
	IAML	23:49:20.87	EZ 0.008 0.3
MESJ	e Pn	23:48:40.15	HZ
	e Pg	23:48:46.00	HZ
	e Sn	23:49:08.24	HN
	e Sg	23:49:16.00	HN
	IAML	23:49:28.74	HZ 0.011 0.5
MORF	e Pg	23:49:49.19	HZ
	e Sn	23:49:13.20	HN
	e Sg	23:49:22.74	HN
	IAML	23:49:28.24	HZ 0.010 0.4
EVO	e Pn	23:48:43.82	HZ
	e Sn	23:49:15.05	HN
	e Sg	23:49:24.07	HN
	IAML	23:49:27.46	HZ 0.011 0.1
PESTR	e Sg	23:49:24.68	HN
	IAML	23:49:27.72	HZ 0.009 0.3
MOE	e Pn	23:48:46.57	HZ
	e Sn	23:49:19.86	HN
	e Sg	23:49:31.11	HN
	IAML	23:49:40.87	HZ 0.012 0.4
PARRA	e Pn	23:48:46.58	HZ
	e Sn	23:49:20.15	HN
	e Sg	23:49:30.74	HE
	IAML	23:49:42.41	HZ 0.005 0.5
PMRV	e Pn	23:48:49.11	HZ
	e Sn	23:49:24.49	HE
	e Sg	23:49:36.43	HE
	IAML	23:49:39.05	HZ 0.011 0.5
PMTG	e Pn	23:48:50.20	HZ
	e Sn	23:49:26.26	HE
	e Sg	23:49:37.45	HN
	IAML	23:49:46.58	HZ 0.007 0.3
PCBR	e Pn	23:48:55.61	EZ
	e Sn	23:49:33.90	EE
	IAML	23:49:35.02	EZ 0.007 0.3
	e Sg	23:49:48.94	EE
PSARD	e Pn	23:48:55.59	HZ
	e Sn	23:49:35.41	HN
	e Sg	23:49:50.44	HN
	IAML	23:49:56.21	HZ 0.014 0.3
PMAFR	e Pn	23:48:58.51	HZ
	e Sn	23:49:40.80	HE
PSBE	e Pn	23:48:59.44	HZ
	e Sn	23:49:42.71	HN
	e Sg	23:49:59.62	HE
MTE	e Sn	23:49:46.38	HN
	e Sg	23:50:05.77	HN
	IAML	23:50:13.05	HZ 0.009 0.6
PCAS	e Pn	23:49:03.50	HZ
	e Sn	23:49:47.50	HN
	IAML	23:50:21.47	HZ 0.008 0.5
PVIS	e Pn	23:49:07.95	HZ
	e Sn	23:49:55.56	HE
MVO	e Sn	23:49:59.53	HE
	e Sg	23:50:25.71	HE
PVRL	e Sn	23:50:06.97	SN
POLO	e Sn	23:50:08.63	HE

19-Jan	Ho	01:11:58.9	ML 1.6
	Lat	36.735°N	Lon 05.581°W
	Região:	NE Cádiz (ESP)	Prof 11
	AxMax	6.4	AxMin 3.5
	Ang	169	ErrZ 5
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur Co Amp Per</i>
PVAQ	e Pn	01:12:28.88	HZ
	e Pg	01:12:31.25	HZ
	e Sn	01:12:51.92	H1
	e Sg	01:12:55.49	H1
	IAML	01:13:06.74	HZ 0.003 0.7

PBAR	e Pn	01:12:28.56	HZ		
	e Pg	01:12:32.28	HZ		
	e Sn	01:12:51.79	HE		
	e Sg	01:12:56.13	HE		
	IAML	01:12:57.34	HZ	0.002	0.3
PBDV	e Pn	01:12:31.12	HZ		
	e Pg	01:12:34.76	HZ		
	e Sg	01:12:58.61	HN		
	IAML	01:13:07.07	HZ	0.004	0.8
PCVE	e Sn	01:12:57.56	HE		
	e Sg	01:13:05.64	HN		
	IAML	01:13:12.07	HZ	0.002	0.5
MESJ	e Pn	01:12:36.28	HZ		
	e Pg	01:12:41.34	HZ		
	e Sn	01:13:05.07	HE		
	e Sg	01:13:13.63	HE		
	IAML	01:13:14.06	HZ	0.004	0.7
EVO	e Pn	01:12:39.90	HZ		
	e Sn	01:13:08.37	HE		
	e Sg	01:13:21.32	HE		
PTEO	e Pg	01:12:47.09	HZ		
	e Sn	01:13:11.75	HN		
	e Sg	01:13:20.48	HN		
MOE	e Pg	01:12:50.89	HZ		
	e Sn	01:13:17.20	HE		
	e Sg	01:13:27.46	HE		
PMRV	e Pn	01:12:45.54	HZ		
	e Sn	01:13:20.70	HE		
	IAML	01:13:27.95	HZ	0.002	0.9
	e Sg	01:13:32.53	HE		
PMTG	e Pn	01:12:46.41	HZ		
	e Sn	01:13:23.28	HE		
	e Sg	01:13:33.84	HE		
	IAML	01:13:36.81	HZ	0.004	0.9

19-Jan Ho 02:20:39.8 ML 1.9
Lat 33.993°N Lon 06.642°W Prof 36*
Região: NE Rabat (MARR) Rms 0.5
AxMax 6.4 AxMin 3.1 Ang 90 ErrZ 0

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PBDV	e P	02:21:30.32		HZ		
	e S	02:22:08.06		HE		
	IAML	02:22:18.12		HZ	0.005	0.8
PVAQ	e P	02:21:31.86		HZ		
	e S	02:22:09.53		H1		
	IAML	02:22:16.25		HZ	0.003	0.6
PCVE	e P	02:21:36.12		HZ		
	e S	02:22:17.76		HE		
	IAML	02:22:24.40		HZ	0.003	0.9
PTEO	e P	02:21:37.19		HZ		
MESJ	e P	02:21:39.06		HZ		
	e S	02:22:23.99		HN		
	IAML	02:22:29.01		HZ	0.003	0.6
PBAR	e P	02:21:40.55		HZ		
	e S	02:22:26.52		HN		
	IAML	02:22:33.80		HZ	0.002	0.9
EVO	e P	02:21:46.77		HZ		
	e S	02:22:37.32		HN		
MOE	e P	02:21:48.87		HZ		
	e S	02:22:39.47		HE		
	IAML	02:22:46.84		HZ	0.004	0.7
PARRA	e P	02:21:50.11		HZ		
	e S	02:22:44.89		HE		
	IAML	02:22:54.18		HZ	0.002	0.8
PMTG	e P	02:21:54.03		HZ		
PMRV	e P	02:21:57.10		HZ		
	e S	02:22:58.12		HE		

19-Jan Ho 02:52:09.2 Distante (NEIC) Mw 5.1
Lat 38.260°N Lon 20.750°E Prof 10
Região: Greece

Est	Fase	P h:m:s	Dur	Co	Amp	Per
MVO	e P	02:56:57.33		BZ		
	IAMB	02:57:11.06		BZ	0.084	1.3
	e S	03:01:07.70		LN		

	e LR	03:05:13.67	LZ		
	IAMs_20	03:06:11.13	LZ	0.770	18
PBAR	e P	02:57:02.39	BZ		
	IAMB	02:57:13.26	BZ	0.101	2.3
PMRV	e P	02:57:02.21	BZ		
	IAMB	02:57:16.38	BZ	0.094	1.2
	e S	03:01:05.96	LE		
	e LR	03:05:02.22	LZ		
	IAMs_20	03:06:11.63	LZ	1.078	18
MTE	e P	02:57:06.14	BZ		
	IAMB	02:57:15.30	BZ	0.109	1.3
	e S	03:01:07.76	LN		
	e LR	03:04:58.14	LZ		
	IAMs_20	03:06:13.57	LZ	1.410	18
PCBR	e P	02:57:05.39	SZ		
	IAMB	02:57:16.46	SZ	0.079	1.5
PVRL	e P	02:57:06.35	SZ		
	IAMB	02:57:34.40	SZ	0.080	1.9
POLO	e P	02:57:06.52	BZ		
	IAMB	02:57:17.66	BZ	0.032	1.4
PESTR	e P	02:57:03.39	BZ		
	IAMB	02:57:16.60	BZ	0.081	1.2
PVIS	e P	02:57:05.31	BZ		
PGAV	e P	02:57:09.47	BZ		
	IAMB	02:57:17.91	BZ	0.136	1.7
	e S	03:01:12.42	LE		
	e LR	03:05:58.73	LZ		
	IAMs_20	03:06:38.65	LZ	0.778	20
PVAQ	e P	02:57:10.63	BZ		
	IAMB	02:57:18.38	BZ	0.048	1.3
	e S	03:01:11.29	L1		
	IAMs_20	03:07:23.20	LZ	0.382	18
PBEJ	e P	02:57:09.56	SZ		
	IAMB	02:57:37.77	SZ	0.059	1.5
PARRA	e P	02:57:06.23	BZ		
	IAMB	02:57:29.87	BZ	0.059	1.1
PSARD	e P	02:57:11.27	BZ		
	IAMB	02:57:18.86	BZ	0.090	2.0
EVO	e P	02:57:10.86	BZ		
	IAMB	02:57:29.46	BZ	0.062	1.5
PMTG	e P	02:57:08.84	BZ		
	IAMB	02:57:21.26	BZ	0.087	1.2
PBDV	e P	02:57:12.72	BZ		
	IAMB	02:57:49.98	BZ	0.110	1.9
PCVE	e P	02:57:12.78	BZ		
	IAMB	02:57:38.88	BZ	0.055	1.8
PCAS	e P	02:57:13.43	BZ		
	IAMB	02:57:20.70	BZ	0.087	1.7
PTO	e P	02:57:10.89	SZ		
	IAMB	02:57:26.90	SZ	0.128	2.1
MOE	e P	02:57:14.11	BZ		
	IAMB	02:57:20.36	BZ	0.074	1.6
MESJ	e P	02:57:14.81	BZ		
	IAMB	02:57:23.85	BZ	0.048	1.1
PSBE	e P	02:57:16.58	BZ		
	IAMB	02:57:27.40	BZ	0.141	2.0
PTEO	e P	02:57:21.33	BZ		
	IAMB	02:57:31.21	BZ	0.091	1.3

19-Jan Ho 03:36:55.5 ML 0.9
Lat 38.836°N Lon 08.063°W Prof 16
Região: NW Arraiolos Rms 0.2
AxMax 3.0 AxMin 1.2 Ang 91 ErrZ 2

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PARRA	e Pg	03:36:58.17		HZ		
	e Sg	03:37:00.22		HE		
	IAML	03:37:00.50		HZ	0.008	0.1
PMTG	e Pg	03:37:00.75		HZ		
	e Sg	03:37:04.81		HN		
	IAML	03:37:05.48		HZ	0.002	0.2
EVO	i Pg	d 03:37:01.56		HZ		
	e Sg	03:37:06.28		HN		
	IAML	03:37:06.76		HZ	0.006	0.5
MOE	e Sg	03:37:07.97		HE		
	IAML	03:37:08.45		HZ	0.006	0.3

PSARD	e P	03:37:09.67	HZ			
	e S	03:37:19.89	HE			
	IAML	03:37:22.64	HZ	0.005	0.8	
PMRV	e P	03:37:09.95	HZ			
	e S	03:37:20.26	HE			
	IAML	03:37:20.45	HZ	0.002	0.2	
PBEJ	e S	03:37:21.72	EE			
MESJ	e S	03:37:26.62	HE			
	IAML	03:37:27.81	HZ	0.009	0.7	
PBAR	e P	03:37:13.88	HZ			
	e S	03:37:28.26	HE			
	IAML	03:37:30.07	HZ	0.002	0.6	
PCBR	e S	03:37:29.41	EN			
	IAML	03:37:30.06	EZ	0.009	0.6	
PCVE	e S	03:37:32.36	HE			
PTEO	e Sn	03:37:36.96	HN			
	e Sg	03:37:38.59	HN			
PVAQ	e Pn	03:37:20.17	HZ			
	e Sg	03:37:40.12	H2			

19-Jan Ho 06:07:11.1 ML 1.7						
Lat 41.443°N Lon 08.405°W Prof 24						
Região: W Guimarães Rms 0.3						
AxMax 5.1 AxMin 2.2 Ang 104 ErrZ 4						
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp</i>	<i>Per</i>
PTO	e Pg	06:07:18.53	EZ			
	e Sg	06:07:23.89	EN			
	IAML	06:07:24.37	EZ	0.149	0.1	
PCAB	i Pg	c 06:07:18.97	EZ			
	e Sg	06:07:25.01	EN			
	IAML	06:07:25.50	EZ	0.068	0.1	
POLO	e Pg	06:07:20.06	HZ			
	e Sg	06:07:27.10	HN			
	IAML	06:07:27.59	HZ	0.020	0.3	
PGAV	i Pg	d 06:07:20.99	HZ			
	e Sg	06:07:28.48	HN			
	IAML	06:07:29.18	HZ	0.064	0.1	
PVRL	e Pg	d 06:07:21.30	SZ			
	e Sg	06:07:28.96	SN			
	IAML	06:07:29.58	SZ	0.062	0.3	
FVIS	e P	06:07:25.87	HZ			
	e S	06:07:37.09	HN			
MVO	e P	06:07:29.90	HZ			
	e S	06:07:43.61	HN			
	IAML	06:07:44.86	HZ	0.010	0.2	
MTE	e Pg	06:07:32.69	HZ			
	e Sn	06:07:46.10	HE			
	e Sg	06:07:48.70	HE			
	IAML	06:07:56.51	HZ	0.006	0.6	
PCAS	e Pn	06:07:35.35	HZ			
	e Sn	06:07:48.98	HN			
	e Sg	06:07:54.28	HN			
	IAML	06:08:08.18	HZ	0.004	0.8	
PSARD	e Pg	06:07:43.98	HZ			
	e Sn	06:08:03.07	HN			
	IAML	06:08:12.96	HZ	0.004	0.7	
PSBE	e Sn	06:08:03.08	HE			
PMRV	e Pn	06:07:43.77	HZ			
	Sg	06:08:16.18	HN			
	IAML	06:08:19.93	HZ	0.003	1.0	
PMTG	e Pn	06:07:46.77	HZ			
	e Sn	06:08:13.42	HE			
	e Sg	06:08:25.54	HN			
	IAML	06:08:52.48	HZ	0.003	0.7	
PARRA	e Pn	06:07:50.67	HZ			
	e Sn	06:08:19.60	HE			
	e Sg	06:08:32.89	HN			
	IAML	06:08:34.53	HZ	0.003	0.7	
PBAR	e Pn	06:08:01.52	HZ			
	e Sn	06:08:38.25	HE			
	IAML	06:09:03.18	HZ	0.002	0.7	
MESJ	e Pn	06:08:03.51	HZ			
PVAQ	e Pn	06:08:10.15	HZ			

19-Jan						
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp</i>	<i>Per</i>
PBAR	e Pn	09:19:59.80		HZ		
	e Pg	09:20:05.48		HZ		
	e Sn	09:20:23.01		HN		
	e Sg	09:20:26.45		HE		
	IAML	09:20:27.96		HZ	0.003	0.9
PVAQ	e Pg	09:20:03.52		HZ		
	e Sn	09:20:22.40		H1		
	IAML	09:20:32.20		HZ	0.003	0.6
PARRA	e Pn	09:20:13.73		HZ		
	e Sn	09:20:47.23		HE		
	e Sg	09:20:57.99		HE		
	IAML	09:21:09.59		HZ	0.002	0.8

19-Jan Ho 09:26:12.0 ML 1.7						
Lat 35.975°N Lon 08.632°W Prof 3*						
Região: Mar de Marrocos Rms 0.4						
AxMax 7.9 AxMin 6.9 Ang 62 ErrZ 0						
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp</i>	<i>Per</i>
PFVI	e P	09:26:32.83		HZ		
	e S	09:26:49.60		HN		
MORF	e P	09:26:35.31		HZ		
PBDV	e S	09:26:54.73		HE		
PTEO	e P	09:26:38.57		HZ		
	e S	09:26:59.28		HN		
	IAML	09:27:09.17		HZ	0.009	0.8
PVAQ	e S	09:26:59.58		H1		
	IAML	09:27:01.14		HZ	0.008	0.6
PCVE	e P	09:26:41.16		HZ		
	e S	09:27:02.67		HN		
	IAML	09:27:07.00		HZ	0.004	0.8
MESJ	e P	09:26:43.83		HZ		
	e S	09:27:06.84		HN		
	IAML	09:27:09.65		HZ	0.004	0.9
PBEJ	e S	09:27:14.17		EN		
PBAR	e P	09:26:53.70		HZ		
	e S	09:27:22.36		HE		
	IAML	09:27:36.95		HZ	0.001	0.6
MOE	e P	09:26:52.68		HZ		
	e S	09:27:22.96		HE		
PARRA	e P	09:26:57.19		HZ		
	e S	09:27:30.12		HN		
	IAML	09:27:33.86		HZ	0.002	0.5
PMAFR	e P	09:26:58.30		HZ		
PMTG	e P	09:27:00.03		HZ		
	e S	09:27:35.89		HE		
	IAML	09:27:44.79		HZ	0.003	0.8
PMRV	e P	09:27:07.58		HZ		
	e S	09:27:47.48		HE		
PSARD	e P	09:27:07.58		HZ		
	e S	09:27:48.74		HE		

19-Jan Ho 09:42:47.4 ML 1.3						
Lat 39.943°N Lon 08.568°W Prof 6						
Região: NE Pombal Rms 0.3						
AxMax 2.6 AxMin 2.6 Ang 89 ErrZ 4						
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp</i>	<i>Per</i>
PCAS	i Pg	c 09:42:49.90		HZ		
	e Sg	09:42:52.12		HN		
	IAML	09:42:52.66		HZ	0.023	0.1
PSBE	e Pg	09:42:55.79		HZ		
	e Sg	09:43:01.85		HE		
	IAML	09:43:05.27		HZ	0.005	0.6
PSARD	e Pg	09:42:55.82		HZ		
	e Sg	09:43:02.76		HN		
	IAML	09:43:03.88		HZ	0.012	0.7
PCBR	e P	09:43:03.01		EZ		
	e S	09:43:14.62		EN		
	IAML	09:43:15.25		EZ	0.005	0.5
PMTG	e P	09:43:03.89		HZ		
	e S	09:43:16.50		HN		
	IAML	09:43:17.60		HZ	0.013	0.1

MTE	e P	09:43:03.88	HZ		
	e S	09:43:16.82	HE		
	IAML	09:43:18.06	HZ	0.005	0.4
PVIS	e P	09:43:03.85	HZ		
	e S	09:43:16.85	HE		
PMRV	e P	09:43:06.37	HZ		
	e S	09:43:20.44	HN		
	IAML	09:43:21.32	HZ	0.005	0.1
PMAFR	e P	09:43:08.15	HZ		
	e S	09:43:23.46	HE		
	IAML	09:43:36.67	HZ	0.020	0.6
PARRA	e P	09:43:08.97	HZ		
	e S	09:43:24.77	HN		
	IAML	09:43:25.99	HZ	0.003	0.8
PESTR	e S	09:43:28.50	HN		
MOE	e S	09:43:30.98	HN		
	IAML	09:43:31.52	HZ	0.004	0.4
EVO	e S	09:43:32.65	HE		
MVO	e Sg	09:43:39.88	HE		
	IAML	09:43:45.78	HZ	0.003	0.7
PBAR	e Pg	09:43:27.80	HZ		
	e Sg	09:43:54.89	HE		
	IAML	09:43:56.94	HZ	0.002	0.6

19-Jan	Ho	13:27:56.6	Distante (NEIC)	Mw	6.0
	Lat	39.840°N	Lon	77.110°E	Prof
					6
	Região: Southern Xinjiang, China				
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp Per</i>
MVO	e P	13:38:18.77	BZ		
	IAMB	13:38:53.50	BZ	0.056	1.6
	e S	13:46:48.46	LN		
	e LR	13:58:03.59	LZ		
	IAMS_20	14:08:00.11	LZ	6.567	18
PCAB	e P	13:38:23.80	SZ		
	IAMB	13:38:31.79	SZ	0.201	1.7
PVRL	e P	13:38:21.19	SZ		
	IAMB	13:38:22.73	SZ	0.044	1.5
PGAV	e P	13:38:22.36	BZ		
	IAMB	13:38:34.10	BZ	0.106	2.3
	e S	13:47:00.36	LN		
	e LR	13:58:30.55	LZ		
	IAMS_20	14:08:10.70	LZ	6.573	18
MTE	e P	13:38:23.83	BZ		
	IAMB	13:38:42.66	BZ	0.085	1.5
PVIS	e P	13:38:24.23	BZ		
PCBR	e P	13:38:29.67	SZ		
	IAMB	13:39:00.03	SZ	0.084	1.6
PMRV	e P	13:38:23.95	BZ		
	IAMB	13:38:36.43	BZ	0.119	1.8
	e S	13:47:02.74	LN		
	e LR	13:58:59.73	LZ		
	IAMS_20	14:09:14.82	LZ	5.570	18
PBAR	e P	13:38:26.69	BZ		
	IAMB	13:38:39.06	BZ	0.171	1.8
PESTR	e P	13:38:25.53	BZ		
PCAS	e P	13:38:32.35	BZ		
	IAMB	13:38:39.54	BZ	0.120	1.6
PSARD	e P	13:38:28.13	BZ		
	IAMB	13:38:40.36	BZ	0.120	1.6
PMTG	e P	13:38:30.20	BZ		
	IAMB	13:38:41.13	BZ	0.093	1.8
PARRA	e P	13:38:27.86	BZ		
	IAMB	13:39:30.03	BZ	0.049	1.7
PSBE	e P	13:38:30.41	BZ		
	IAMB	13:39:20.89	BZ	0.176	1.6
PBEJ	e P	13:38:35.52	SZ		
	IAMB	13:39:31.58	SZ	0.096	1.5
MOE	e P	13:38:35.61	BZ		
	IAMB	13:38:43.61	BZ	0.155	1.7
PVAQ	e P	13:38:33.58	BZ		
	e S	13:47:08.09	L1		
	e LR	13:59:31.82	LZ		
	IAMS_20	14:09:47.81	LZ	9.257	20
PCVE	e P	13:38:36.41	BZ		

MESJ	e P	13:38:34.01	BZ		
	IAMB	13:38:44.56	BZ	0.090	1.8
PBDV	e P	13:38:40.09	BZ		
	IAMB	13:38:45.61	BZ	0.161	1.7
PTEO	e P	13:38:45.06	BZ		
	IAMB	13:39:00.04	BZ	0.141	1.6
PMAR	e P	13:39:35.29	BZ		
	IAMB	13:39:38.71	BZ	0.325	1.3
PMOZ	e S	13:49:08.52	LN		
	e LR	14:03:27.03	LZ		
	IAMS_20	14:14:30.87	LZ	5.333	20

19-Jan	Ho	16:58:20.0	Distante (NEIC)	Mw	6.1
	Lat	00.100°S	Lon	123.800°E	Prof
					122
	Região: Minahassa Peninsula, Sulawesi				
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp Per</i>
MVO	e PKPdf	17:16:56.20	BZ		
	e PP	17:18:20.78	BZ		
PCAB	e PKPdf	17:16:56.36	SZ		
POLO	e PKPdf	17:16:57.05	BZ		
PVRL	e PKPdf	17:16:56.83	SZ		
PGAV	e PKPdf	17:16:56.85	BZ		
	e PP	17:18:21.12	BZ		
MTE	e PKPdf	17:16:57.32	BZ		
PVIS	e PKPdf	17:16:57.31	BZ		
PCBR	e PKPdf	17:16:57.70	SZ		
	e PP	17:18:24.77	SZ		
PTO	e PKPdf	17:16:57.42	SZ		
PMRV	e PKPdf	17:16:57.04	BZ		
PBAR	e PKPdf	17:16:58.76	BZ		
	e PP	17:18:30.17	BZ		
PESTR	e PKPdf	17:16:58.74	BZ		
PCAS	e PKP	17:16:59.10	BZ		
PSARD	e PKPdf	17:16:59.02	BZ		
PARRA	e PKPdf	17:16:59.27	BZ		
PMTG	e PKPdf	17:16:59.23	BZ		
EVO	e PKPdf	17:17:00.12	BZ		
PSBE	e PKP	17:16:59.73	BZ		
	e PKPdf	17:17:00.15	BZ		
PBEJ	e PKPdf	17:17:00.09	SZ		
MOE	e PKPdf	17:17:01.43	BZ		
PVAQ	e PKPdf	17:17:00.58	BZ		
PCVE	e PKPdf	17:17:00.94	BZ		
MESJ	e PKPdf	17:17:00.99	BZ		
PBDV	e PKPdf	17:17:01.35	BZ		
PMAFR	e PKPdf	17:17:00.28	BZ		
PTEO	e PKPdf	17:17:02.13	BZ		
MORF	e PKPdf	17:17:02.36	BZ		
PFVI	e PKPdf	17:17:01.74	BZ		
PMPST	e PKPdf	17:17:17.62	BZ		
	i -	17:20:28.29	HZ		
PMAR	e PKPdf	17:17:17.95	BZ		
	i -	17:20:31.43	HZ		
FUL	i -	17:20:31.36	EZ		
PMOZ	e PKPdf	17:17:18.75	BZ		
	i -	17:20:31.57	HZ		

19-Jan	Ho	20:25:48.8	ML	1.9
	Lat	38.243°N	Lon	07.993°W
				Prof
				6
	Região: SE Alvito			
	AxMax	2.9	AxMin	1.5
	Ang	89	ErrZ	3
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>
PBEJ	e Pg	20:25:52.97		EZ
	e Sg	20:25:56.50		EN
	IAML	20:25:56.57		EZ
				0.055 0.2
EVO	e Pg	20:25:52.80		HZ
	e Sg	20:25:58.50		HE
	IAML	20:25:59.17		HZ
				0.064 0.2
MOE	e Pg	20:25:55.87		HZ
	e Sg	20:26:01.42		HE
	IAML	20:26:05.76		HZ
				0.021 0.4
MESJ	e Pg	20:25:56.79		HZ
	e Sg	20:26:02.48		HN
	IAML	20:26:03.94		HZ
				0.019 0.1

[illegible]

PSARD	e P	21:43:46.84	HZ		
	e S	21:44:02.23	HE		
	IAML	21:44:03.64	HZ	0.016	0.2
PBDV	e P	21:43:46.80	HZ		
	e S	21:44:04.22	HE		
	IAML	21:44:07.52	HZ	0.003	0.2
PSBE	e P	21:43:48.54	HZ		
	e S	21:44:05.46	HE		
	IAML	21:44:08.60	HZ	0.006	0.7
PCBR	e Sg	21:44:10.29	EN		
	IAML	21:44:11.22	EZ	0.003	0.1
PCAS	e Pg	21:44:17.95	HZ		
	e Sg	21:44:17.88	HN		
	IAML	21:44:21.18	HZ	0.004	0.5
PVIS	e Sg	21:44:37.24	HE		

19-Jan	Ho	21:44:13.7	ML 1.2		
	Lat	38.456°N	Lon	07.986°W	Prof 7
	Região:	SW Evora	Rms	0.4	
	AxMax	4.1	AxMin	1.8	Ang 84 ErrZ 5
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp Per</i>
EVO	e Pg	21:44:15.87	HZ		
	e Sg	21:44:17.44	HE		
	IAML	21:44:17.84	HZ	0.035	0.1
MOE	e Pg	21:44:18.98	HZ		
	e Sg	21:44:22.96	HN		
	IAML	21:44:23.30	HZ	0.016	0.3
PARRA	e Pg	21:44:20.17	HZ		
	e Sg	21:44:25.19	HN		
	IAML	21:44:25.25	HZ	0.010	0.3
PMTG	e Pg	21:44:25.02	HZ		
	e Sg	21:44:33.68	HE		
	IAML	21:44:33.83	HZ	0.008	0.3
MESJ	e Pg	21:44:25.19	HZ		
	e Sg	21:44:34.47	HN		
	IAML	21:44:35.76	HZ	0.003	0.7
PBAR	e P	21:44:28.54	HZ		
	e S	21:44:39.13	HN		
	IAML	21:44:40.64	HZ	0.003	0.4
PCVE	e P	21:44:29.11	HZ		
	e S	21:44:39.82	HN		
	IAML	21:44:40.84	HZ	0.005	0.9
PVAQ	e P	21:44:33.72	HZ		
	e S	21:44:46.74	HZ		
	IAML	21:44:49.21	HZ	0.004	0.2
PMRV	e P	21:44:33.29	HZ		
	e S	21:44:47.66	HN		
	IAML	21:44:55.04	HZ	0.002	0.8
PTEO	e S	21:44:47.83	HE		
	IAML	21:44:49.31	HZ	0.008	0.6
PMAFR	e P	21:44:34.44	HZ		
	e S	21:44:49.84	HE		
PSARD	e S	21:44:49.73	HE		
	IAML	21:44:50.11	HZ	0.007	0.2
PBDV	e S	21:44:52.08	HE		
	IAML	21:44:54.94	HZ	0.004	1.0
PSBE	e P	21:44:36.04	HZ		
	e S	21:44:53.10	HN		
	IAML	21:44:53.69	HZ	0.003	0.6

20-Jan	Ho	02:25:43.9	Distante (NEIC)	mb 5.1	
	Lat	13.793°N	Lon	144.629°E	Prof 157
	Região:	Mariana Islands			
<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	02:44:14.41	BZ		
MVO	e PKP	02:44:15.50	BZ		
POLO	e PKP	02:44:15.31	BZ		
PTO	e PKP	02:44:15.92	SZ		
MTE	e PKP	02:44:16.76	BZ		
PCBR	e PKP	02:44:17.30	SZ		
PCAS	e PKP	02:44:18.28	BZ		
PMRV	e PKP	02:44:18.16	BZ		
PSARD	e PKP	02:44:18.30	BZ		
PSBE	e PKP	02:44:18.82	BZ		
PMTG	e PKP	02:44:19.15	BZ		

PARRA	e PKP	02:44:20.42	BZ
PBAR	e PKP	02:44:19.77	BZ
EVO	e PKP	02:44:20.65	BZ
MOE	e PKP	02:44:20.57	BZ
PBEJ	e PKP	02:44:21.43	SZ
MESJ	e PKP	02:44:22.17	BZ
PCVE	e PKP	02:44:20.76	BZ
PFVI	e PKP	02:44:22.07	BZ

20-Jan	Ho	06:51:37.6	Distante (NEIC)	Mw 6.1	
	Lat	59.234°S	Lon	26.275°W	Prof 91
	Região:	South Sandwich Islands	Region		
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp Per</i>
FUL	e P	07:04:39.36	EZ		
PMAR	e P	07:04:38.79	BZ		
	IAMB	07:04:39.87	BZ	0.350	1.5
PMOZ	e P	07:04:39.07	BZ		
	IAMB	07:04:40.35	BZ	0.410	1.7
PMPS	e P	07:04:39.13	EZ		
	IAMB	07:04:42.15	EZ	0.521	1.5
	e PP	07:08:21.18	EZ		
PMPST	e P	07:04:42.38	BZ		
PFVI	e P	07:05:02.35	BZ		
	e PP	07:08:58.74	BZ		
MORF	e P	07:05:02.42	BZ		
	IAMB	07:05:04.61	BZ	0.217	1.6
	e PP	07:09:03.32	BZ		
PBDV	e P	07:05:02.57	BZ		
	e PP	07:09:01.12	BZ		
PVAQ	e P	07:05:03.43	BZ		
	IAMB	07:05:06.67	BZ	0.233	1.8
	e PP	07:09:02.50	BZ		
PTEO	e P	07:05:04.25	BZ		
	IAMB	07:05:06.34	BZ	0.150	1.7
	e PP	07:09:03.31	BZ		
PCVE	e P	07:05:04.59	BZ		
	IAMB	07:05:06.47	BZ	0.147	1.6
	e PP	07:09:04.23	BZ		
MESJ	e P	07:05:03.51	BZ		
	IAMB	07:05:07.18	BZ	0.173	1.6
	e PP	07:09:08.88	BZ		
PBAR	e P	07:05:09.43	BZ		
MOE	e P	07:05:08.72	BZ		
	e PP	07:09:10.28	BZ		
EVO	e P	07:05:09.31	BZ		
	IAMB	07:05:11.39	BZ	0.100	1.9
	e PP	07:09:08.91	BZ		
GGNV	e P	07:05:08.70	BZ		
	e PP	07:09:09.26	BZ		
PARRA	e P	07:05:10.36	BZ		
	IAMB	07:05:11.78	BZ	0.166	1.7
	e PP	07:09:15.37	BZ		
PESTR	e P	07:05:13.57	BZ		
	IAMB	07:05:14.14	BZ	0.100	2.0
	e PP	07:09:17.04	BZ		
PSBE	e P	07:05:11.24	BZ		
	e PP	07:09:17.47	BZ		
PMRV	e P	07:05:14.70	BZ		
	e PP	07:09:17.47	BZ		
PSARD	e P	07:05:16.27	BZ		
	e PP	07:09:17.68	BZ		
PCBR	e P	07:05:15.34	SZ		
PCAS	e P	07:05:14.87	BZ		
	e PP	07:09:18.09	BZ		
MTE	e P	07:05:17.66	BZ		
	e PP	07:09:24.38	BZ		
PVIS	e P	07:05:21.68	BZ		
MVO	e P	07:05:25.36	BZ		
	e PP	07:09:31.69	BZ		
POLO	e P	07:05:22.72	BZ		
	e PP	07:09:31.93	BZ		
PGAV	e P	07:05:16.69	BZ		
	e PP	07:09:36.79	BZ		

20-Jan	Ho	21:17:57.5			ML 2.9
	Lat	36.112°N	Lon	06.842°W	Prof 14
	Região: Golfo de Cádiz				Rms 0.5
	AxMax	5.2	AxMin	2.9	Ang 21 ErrZ 5
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp Per</i>
PBDV	i P	d 21:18:21.19		HZ	
	e S	21:18:38.30		HN	
	IAML	21:18:39.27		HZ	0.031 0.2
PVAQ	i P	d 21:18:21.88		HZ	
	e S	21:18:39.91		H2	
	IAML	21:18:40.56		HZ	0.065 0.3
PCVE	e P	21:18:26.51		HZ	
	e S	21:18:47.63		HE	
	IAML	21:18:48.41		HZ	0.043 0.3
MORF	e P	21:18:26.97		HZ	
	e S	21:18:48.97		HE	
	IAML	21:18:55.47		HZ	0.059 0.2
PFVI	e P	21:18:27.11		HZ	
	e S	21:18:48.84		HE	
	IAML	21:18:55.30		HZ	0.054 0.4
MESJ	i P	d 21:18:29.96		HZ	
	e S	21:18:53.55		HE	
	IAML	21:18:59.63		HZ	0.046 0.3
PBAR	e P	d 21:18:30.14		HZ	
	e S	21:18:53.61		HE	
	IAML	21:19:00.94		HZ	0.047 0.2
PBEJ	e P	21:18:30.32		EZ	
	e S	21:18:54.19		EN	
	IAML	21:19:01.66		EZ	0.022 0.2
PTEO	e P	d 21:18:30.24		HZ	
	e S	21:18:54.33		HN	
	IAML	21:18:58.75		HZ	0.025 0.2
EVO	i P	d 21:18:37.49		HZ	
	e S	21:19:07.56		HN	
	IAML	21:19:08.05		HZ	0.036 0.3
MOE	e P	d 21:18:38.92		HZ	
	e S	21:19:08.91		HN	
	IAML	21:19:11.13		HZ	0.045 0.3
PESTR	e P	21:18:40.33		HZ	
	e S	21:19:12.43		HE	
	IAML	21:19:16.28		HZ	0.015 0.8
PARRA	e P	d 21:18:41.09		HZ	
	e S	21:19:13.37		HN	
	IAML	21:19:17.45		HZ	0.018 0.3
PMTG	e P	d 21:18:44.97		HZ	
	e S	21:19:20.64		HE	
	IAML	21:19:22.55		HZ	0.030 0.2
PMRV	e P	d 21:18:47.68		HZ	
	e S	21:19:25.17		HE	
	IAML	21:19:26.70		HZ	0.039 0.2
PMAFR	e P	21:18:49.41		HZ	
	e S	21:19:28.69		HE	
	IAML	21:19:34.97		HZ	0.030 0.5
PSARD	e P	21:18:51.81		HZ	
	e S	21:19:31.73		HE	
	IAML	21:19:34.80		HZ	0.060 0.2
PSBE	e P	d 21:18:53.50		HZ	
	e S	21:19:34.41		HN	
PCBR	e P	21:18:53.45		EZ	
	e S	21:19:34.97		EE	
	IAML	21:19:35.68		EZ	0.030 0.4
PCAS	e P	21:18:59.40		HZ	
	e S	21:19:45.16		HE	
	IAML	21:19:49.44		HZ	0.008 0.4
MTE	e P	21:19:01.10		HZ	
	e S	21:19:47.50		HE	
	IAML	21:19:50.28		HZ	0.040 0.2
PVIS	e P	21:19:05.99		HZ	
	e S	21:19:56.62		HE	
MVO	e P	21:19:11.40		HZ	
	e S	21:20:05.16		HN	
	IAML	21:20:08.93		HZ	0.017 1.0

PVRL	e P	21:19:13.27		SZ	
	e S	21:20:09.07		SN	
	IAML	21:20:11.91		SZ	0.037 0.1
PTO	e S	21:20:09.70		EN	
POLO	e P	21:19:14.63		HZ	
	e S	21:20:11.34		HE	
	IAML	21:20:14.09		HZ	0.010 0.4
PCAB	e P	21:19:19.88		EZ	
	e S	21:20:18.90		EN	
	IAML	21:20:23.02		EZ	0.013 0.3

21-Jan	Ho	03:38:37.7			ML 1.0
	Lat	38.605°N	Lon	07.975°W	Prof 13
	Região: NW Evora				Rms 0.3
	AxMax	2.5	AxMin	1.8	Ang 81 ErrZ 4
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp Per</i>
EVO	e Pg	03:38:40.26		HZ	
	e Sg	03:38:42.55		HN	
	IAML	03:38:43.03		HZ	0.035 0.3
PARRA	i P	d 03:38:42.01		HZ	
	e Sg	03:38:45.40		HE	
	IAML	03:38:45.78		HZ	0.010 0.3
MOE	e Pg	03:38:43.47		HZ	
	e Sg	03:38:48.02		HE	
	IAML	03:38:48.44		HZ	0.005 0.1
PMTG	e Pg	03:38:46.89		HZ	
	e Sg	03:38:53.54		HN	
	IAML	03:38:54.10		HZ	0.003 0.2
PBEJ	e Sg	03:38:56.25		EE	
MESJ	e S	03:39:02.73		HN	
	IAML	03:39:06.18		HZ	0.002 0.5
PBAR	e P	03:38:53.16		HZ	
	e S	03:39:04.42		HN	
	IAML	03:39:06.73		HZ	0.002 0.2
PMRV	e P	03:38:55.13		HZ	
	e S	03:39:06.91		HE	
	IAML	03:39:09.45		HZ	0.002 0.6
PCVE	e S	03:39:08.28		HE	
	IAML	03:39:08.50		HZ	0.003 0.5
PSARD	e P	03:38:56.01		HZ	
	e S	03:39:09.13		HE	
	IAML	03:39:09.41		HZ	0.004 0.8
PSBE	e S	03:39:12.92		HN	
PVAQ	e S	03:39:15.10		H2	
	IAML	03:39:17.04		HZ	0.009 0.9
PBDV	e Sg	03:39:19.44		HE	

21-Jan	Est	Fase	P h:m:s	Dur	Co	Amp Per
	PGAV	e Pn	08:08:49.09		HZ	
		e Sg	08:09:09.49		HE	
		IAML	08:09:10.49		HZ	0.016 0.2
	PCAB	e Pg	08:08:54.73		EZ	
		e Sg	08:09:18.43		EN	
		IAML	08:09:20.80		EZ	0.015 0.3
	POLO	e Sg	08:09:29.67		HE	
		IAML	08:09:33.99		HZ	0.003 0.3
	PVRL	e Sg	08:09:34.34		SN	
		IAML	08:09:35.13		SZ	0.010 0.2
	MVO	e Sg	08:09:46.90		HE	
		IAML	08:09:51.42		HZ	0.006 0.6

21-Jan	Est	Fase	P h:m:s	Dur	Co	Amp Per
	PFVI	i P	c 08:19:14.28		HZ	
		e S	08:19:19.51		HE	
		IAML	08:19:19.97		HZ	0.003 0.1
	MORF	e S	08:19:23.79		HN	
		IAML	08:19:26.05		HZ	0.003 0.5
	PVAQ	e S	08:19:36.44		H2	

21-Jan	Ho	09:43:17.2			ML 3.3
	Lat	36.253°N	Lon	08.243°W	Prof 20
	Região:	SW Faro			Rms 0.3
	AxMax	3.4	AxMin	2.0	Ang 41
					ErrZ 4
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp Per</i>
PALBU	e P	09:43:32.58		HZ	
	e S	09:43:43.54		HE	
	IAML	09:43:45.39		HZ	0.482 0.1
PPOR	e P	09:43:33.57		HZ	
	e S	09:43:45.98		H2	
	IAML	09:43:47.12		HZ	0.539 0.1
PLAGO	e P	09:43:33.75		HZ	
	e S	09:43:45.61		HN	
	IAML	09:43:48.64		HZ	0.518 0.6
PSVI	e P	09:43:33.97		HN	
	e S	09:43:46.45		HE	
PTAV	e P	09:43:35.03		HZ	
	e S	09:43:47.48		H2	
	IAML	09:43:50.65		HZ	0.227 0.1
PFVI	i P	d 09:43:34.16		HZ	
	e S	09:43:47.12		HE	
	IAML	09:43:53.63		HZ	0.269 0.1
PBDV	e P	d 09:43:34.94		HZ	
	e S	09:43:48.15		HE	
	IAML	09:43:49.55		HZ	0.134 0.3
MORF	e P	d 09:43:35.79		HZ	
	e S	09:43:50.26		HE	
	IAML	09:43:54.05		HZ	0.392 0.1
PALJ	e P	09:43:36.50		HZ	
	e S	09:43:51.14		H2	
	IAML	09:43:51.46		HZ	0.289 0.2
PVAQ	e P	09:43:37.62		HZ	
	e S	09:43:52.65		H2	
	IAML	09:43:55.24		HZ	0.208 0.2
PTEO	i P	d 09:43:39.42		HZ	
	e S	09:43:56.27		HN	
	IAML	09:43:58.36		HZ	0.147 0.4
PCVE	i P	d 09:43:40.18		HZ	
	e S	09:43:57.09		HN	
	IAML	09:43:58.09		HZ	0.192 0.3
MESJ	i P	d 09:43:42.82		HZ	
	e S	09:44:01.86		HN	
	IAML	09:44:02.52		HZ	0.232 0.2
PSINE	e S	09:44:06.31		H1	
PBEJ	e P	09:43:45.53		EZ	
	e S	09:44:07.05		EE	
	IAML	09:44:09.15		EZ	0.120 0.4
PBAR	e P	c 09:43:50.27		HZ	
	e S	09:44:14.99		HE	
	IAML	09:44:18.00		HZ	0.076 0.1
EVO	e P	d 09:43:52.13		HZ	
	e S	09:44:18.48		HE	
	IAML	09:44:19.28		HZ	0.271 0.1
MOE	e P	09:43:52.17		HZ	
	e S	09:44:18.04		HE	
	IAML	09:44:19.65		HZ	0.233 0.3
AML02	e S	09:44:24.49		H2	
	IAML	09:44:26.56		HZ	0.393 0.4
PARRA	i P	d 09:43:55.94		HZ	
	e S	09:44:25.06		HE	
	IAML	09:44:27.10		HZ	0.120 0.2
AML04	e P	09:43:56.89		HZ	
	e S	09:44:26.12		HE	
	IAML	09:44:30.96		HZ	0.121 0.4
AML01	e P	09:43:56.75		HZ	
	e S	09:44:27.53		H2	
	IAML	09:44:30.56		HZ	0.091 0.3
PESTR	e P	09:43:57.29		HZ	
	e S	09:44:27.67		HN	
	IAML	09:44:30.37		HZ	0.040 0.7
AML03	e P	09:43:59.35		HZ	
	e S	09:44:30.20		H1	
	IAML	09:44:32.22		HZ	0.074 0.4

PBEN	e S	09:44:29.99		H2	
	IAML	09:44:32.24		HZ	0.065 0.1
PMTG	e P	d 09:43:59.32		HZ	
	e S	09:44:31.34		HE	
	IAML	09:44:32.63		HZ	0.098 0.2
PMAFR	e P	09:43:59.95		HZ	
	e S	09:44:32.38		HN	
	IAML	09:44:34.01		HZ	0.196 0.3
AML05	e P	09:44:02.17		HZ	
	e S	09:44:35.83		H1	
	IAML	09:44:39.70		HZ	0.045 0.4
PMRV	e P	d 09:44:05.26		HZ	
	e S	09:44:41.22		HE	
	IAML	09:44:45.18		HZ	0.081 0.4
PSBE	e P	09:44:06.19		HZ	
	e S	09:44:42.79		HE	
	IAML	09:44:45.58		HZ	0.048 0.2
PSARD	e P	d 09:44:06.79		HZ	
	e S	09:44:43.66		HN	
	IAML	09:44:45.36		HZ	0.348 0.2
PCBR	e P	09:44:10.71		EZ	
	e S	09:44:50.88		EN	
	IAML	09:44:52.44		EZ	0.089 0.3
PCAS	e P	09:44:13.27		HZ	
	e S	09:44:54.54		HE	
	IAML	09:44:57.16		HZ	0.026 0.2
MTE	e P	09:44:18.06		HZ	
	e S	09:45:03.72		HE	
	IAML	09:45:05.90		HZ	0.062 0.3
PVIS	e P	09:44:21.99		HZ	
	e S	09:45:10.77		HE	
PTO	e S	09:45:20.29		EE	
MVO	e P	09:44:29.22		HZ	
	e S	09:45:22.87		HE	
	IAML	09:45:26.46		HZ	0.041 0.5
PVRL	e P	09:44:29.71		SZ	
	e S	09:45:23.85		SN	
	IAML	09:45:25.94		SZ	0.047 0.2
POLO	e P	09:44:31.07		HZ	
	e S	09:45:25.69		HE	
	IAML	09:45:28.41		HZ	0.019 0.3
PCAB	e P	09:44:35.76		EZ	
	e S	09:45:33.77		EN	
	IAML	09:45:37.18		EZ	0.028 0.4
PGAV	e P	09:44:39.07		HZ	
	e S	09:45:39.14		HN	
	IAML	09:45:44.55		HZ	0.011 0.1

21-Jan	Ho	14:43:15.7			ML 0.8
	Lat	37.315°N	Lon	08.579°W	Prof 7
	Região:	W Monchique			Rms 0.2
	AxMax	2.9	AxMin	2.2	Ang 129
					ErrZ 4
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp Per</i>
MORF	i Pg	c 14:43:17.25		HZ	
	e Sg	14:43:18.99		HN	
	IAML	14:43:19.41		HZ	0.044 0.1
PTEO	e Pg	14:43:20.34		HZ	
	e Sg	14:43:23.95		HN	
	IAML	14:43:25.87		HZ	0.005 0.9
PFVI	e Pg	14:43:20.60		HZ	
	e Sg	14:43:24.44		HE	
	IAML	14:43:25.84		HZ	0.007 0.7
PBDV	e Sg	14:43:32.41		HE	
	IAML	14:43:33.56		HZ	0.004 0.3
MESJ	e Sg	14:43:34.86		HN	
MOE	e P	14:43:38.01		HZ	
	e S	14:43:54.27		HE	
	IAML	14:43:55.42		HZ	0.004 0.5
PBAR	e Sg	14:44:02.54		HN	
PARRA	e Sn	14:44:02.90		HE	
	IAML	14:44:06.99		HZ	0.002 0.5

21-Jan Ho 15:05:38.2 ML 0.7
Lat 37.173°N Lon 09.132°W Prof 29
Região: NW Cabo S.Vicente Rms 0.4
AxMax 19.1 AxMin 7.9 Ang 106 ErrZ 7

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PFVI	e P	c 15:05:44.17		HZ		
	e S	15:05:48.74		HE		
	IAML	15:05:49.22		HZ	0.005	0.1
MORF	e P	15:05:46.95		HZ		
	e S	15:05:53.48		HE		
	IAML	15:05:53.50		HZ	0.004	0.6
PTEO	e S	15:05:54.90		HE		
MESJ	e P	15:05:55.08		HZ		
	e S	15:06:06.79		HE		

21-Jan

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PVAQ	e P	17:30:09.72		HZ		
	e S	17:30:52.10		H2		
	IAML	17:30:54.14		HZ	0.003	0.7
PBAR	e S	17:30:53.75		HE		
	IAML	17:30:59.27		HZ	0.002	0.2
PBDV	e S	17:30:55.05		HN		
MORF	e S	17:31:07.90		HN		
	IAML	17:31:14.59		HZ	0.003	0.8
PTEO	e S	17:31:11.07		HE		
PARRA	e S	17:31:17.84		HN		

21-Jan Ho 18:16:56.4 ML 1.2
Lat 37.337°N Lon 08.459°W Prof 9
Região: NE Monchique Rms 0.3
AxMax 2.5 AxMin 1.9 Ang 135 ErrZ 4

Est	Fase	P h:m:s	Dur	Co	Amp	Per
MORF	i Pg	c 18:16:59.68		HZ		
	e Sg	18:17:02.40		HE		
	IAML	18:17:02.91		HZ	0.054	0.1
PTEO	e Pg	18:17:01.87		HZ		
	e Sg	18:17:05.87		HN		
PFVI	e Pg	d 18:17:03.01		HZ		
	e Sg	18:17:07.81		HN		
	IAML	18:17:07.98		HZ	0.010	0.3
PBDV	e Pg	18:17:04.54		HZ		
	e Sg	18:17:10.59		HE		
	IAML	18:17:12.30		HZ	0.006	0.3
PCVE	e Pg	18:17:04.69		HZ		
	e Sg	18:17:10.55		HE		
	IAML	18:17:11.26		HZ	0.004	0.3
MESJ	e Pg	18:17:06.39		HZ		
	e Sg	18:17:13.61		HN		
	IAML	18:17:17.08		HZ	0.005	0.2
PVAQ	e Pg	18:17:07.17		HZ		
	e Sg	18:17:15.36		H2		
	IAML	18:17:15.89		HZ	0.008	0.3
PBEJ	e P	18:17:12.15		EZ		
	e S	18:17:23.21		EN		
	IAML	18:17:23.92		EZ	0.004	0.5
MOE	e P	18:17:18.47		HZ		
	e S	18:17:33.42		HN		
	IAML	18:17:35.11		HZ	0.010	0.2
EVO	e S	18:17:35.06		HE		
	IAML	18:17:35.70		HZ	0.004	0.1
PBAR	e Pg	18:17:22.40		HZ		
	e Sg	18:17:41.35		HE		
	IAML	18:17:42.99		HZ	0.002	0.4
PARRA	e Pn	18:17:21.53		HZ		
	e Sg	18:17:43.51		HE		
	IAML	18:17:44.06		HZ	0.002	0.7

21-Jan

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PFVI	e P	22:35:15.47		HZ		
	e S	22:35:20.12		HN		
	IAML	22:35:20.47		HZ	0.007	0.5
MORF	e P	22:35:17.24		HZ		
	e S	22:35:22.91		HE		

	IAML	22:35:23.45		HZ	0.002	0.1
PBDV	e S	22:35:29.61		HN		
PTEO	e S	22:35:29.82		HE		
PVAQ	e S	22:35:34.88		H2		

22-Jan Ho 05:34:25.6 ML 2.1
Lat 36.756°N Lon 09.542°W Prof 31
Região: SW Cabo S.Vicente Rms 0.3
AxMax 3.6 AxMin 2.0 Ang 75 ErrZ 4

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PFVI	i P	c 05:34:37.77		HZ		
	e S	05:34:46.76		HE		
	IAML	05:34:47.52		HZ	0.028	0.1
MORF	e P	c 05:34:40.75		HZ		
	e S	05:34:52.19		HN		
	IAML	05:34:52.81		HZ	0.037	0.3
PTEO	e P	05:34:42.39		HZ		
	e S	05:34:55.03		HE		
	IAML	05:34:58.42		HZ	0.016	0.3
PBDV	e P	c 05:34:47.59		HZ		
	e S	05:35:03.67		HE		
	IAML	05:35:18.07		HZ	0.006	1.2
PCVE	e P	05:34:49.10		HZ		
	e S	05:35:06.65		HN		
	IAML	05:35:08.35		HZ	0.011	0.3
MESJ	e P	05:34:49.09		HZ		
	e S	05:35:06.76		HE		
	IAML	05:35:09.00		HZ	0.009	0.1
PVAQ	e P	c 05:34:50.48		HZ		
	e S	05:35:09.11		H1		
	IAML	05:35:12.17		HZ	0.008	0.3
PBEJ	e P	05:34:53.54		EZ		
	e S	05:35:14.22		EE		
	IAML	05:35:15.70		EZ	0.008	0.2
MOE	e P	05:34:55.72		HZ		
	e S	05:35:18.37		HN		
	IAML	05:35:20.29		HZ	0.009	0.6
EVO	e P	05:34:57.52		HZ		
	e S	05:35:21.52		HE		
	IAML	05:35:22.44		HZ	0.014	0.1
PMAFR	e P	05:34:58.23		HZ		
	e S	05:35:23.29		HN		
	IAML	05:35:24.75		HZ	0.029	0.2
PARRA	e P	05:35:00.48		HZ		
	e S	05:35:26.97		HN		
	IAML	05:35:28.67		HZ	0.004	0.3
PMTG	e P	05:35:02.83		HZ		
	e S	05:35:30.61		HE		
	IAML	05:35:32.09		HZ	0.008	0.1
PESTR	e P	05:35:04.09		HZ		
	e S	05:35:32.97		HE		
	IAML	05:35:35.00		HZ	0.002	0.3
PSBE	e P	05:35:06.84		HZ		
	e S	05:35:37.90		HE		
	IAML	05:35:40.61		HZ	0.006	0.7
PSARD	e P	05:35:09.92		HZ		
	e S	05:35:43.01		HN		
	IAML	05:35:44.62		HZ	0.010	0.2
PMRV	e P	05:35:11.35		HZ		
	e S	05:35:45.30		HE		
	IAML	05:35:46.77		HZ	0.005	0.6
PCAS	e P	05:35:14.77		HZ		
	e S	05:35:52.04		HE		
	IAML	05:35:54.81		HZ	0.003	0.3
MTE	e P	05:35:22.61		HZ		
	e S	05:36:05.82		HE		
PVIS	e P	05:35:25.63		HZ		
	e S	05:36:09.82		HN		
POLO	e P	05:35:34.35		HZ		
	e S	05:36:25.40		HE		
MVO	e P	05:35:34.27		HZ		
	e S	05:36:25.76		HE		
PGAV	e P	05:35:40.92		HZ		
	e S	05:36:36.89		HN		

22-Jan	Ho	11:04:12.8	Distante (NEIC)	Mw 5.6
	Lat	54.875°N	Lon	161.509°E
			Prof	55
	Região: Near East Coast of Kamchatka			
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co Amp Per</i>
PGAV	e P	11:16:32.72	BZ	
POLO	e P	11:16:35.35	BZ	
	IAMB	11:16:56.19	BZ	0.037 1.7
PVRL	e P	11:16:36.57	SZ	
	IAMB	11:17:15.92	SZ	0.085 1.6
MVO	e P	11:16:36.45	BZ	
	IAMB	11:17:28.63	BZ	0.052 1.3
PTO	e P	11:16:37.37	SZ	
PVIS	e P	11:16:38.58	BZ	
MTE	e P	11:16:40.58	BZ	
	IAMB	11:16:41.51	BZ	0.084 1.1
PCAS	e P	11:16:42.44	BZ	
	IAMB	11:16:43.27	BZ	0.105 1.3
PCBR	e P	11:16:42.76	SZ	
	IAMB	11:16:44.35	SZ	0.070 1.3
PSARD	e P	11:16:45.06	BZ	
PMRV	e P	11:16:45.85	BZ	
	IAMB	11:16:45.89	BZ	0.044 1.3
PSBE	e P	11:16:45.44	BZ	
PMTG	e P	11:16:47.11	BZ	
	IAMB	11:17:04.58	BZ	0.050 1.6
PMFR	e P	11:16:48.17	BZ	
PARRA	e P	11:16:47.20	BZ	
	IAMB	11:17:26.76	BZ	0.047 1.8
MOE	e P	11:16:51.10	BZ	
PBAR	e P	11:16:50.71	BZ	
	IAMB	11:17:16.50	BZ	0.042 1.7
PBEJ	e P	11:16:51.95	SZ	
	IAMB	11:16:53.72	SZ	0.036 1.6
PCVE	e P	11:16:54.00	BZ	
	IAMB	11:18:25.58	BZ	0.049 1.5
PVAQ	e P	11:16:54.93	BZ	
MORF	e P	11:16:56.01	BZ	
PBDV	e P	11:16:54.41	BZ	
PFVI	e P	11:16:57.20	BZ	
	IAMB	11:18:01.92	BZ	0.098 1.7

22-Jan	Ho	13:54:09.6				ML 0.9	
	Lat	40.105°N		Lon	07.921°W		Prof 13
	Região: NE Pampilhosa da Serra						Rms 0.2
	AxMax	2.5	AxMin	1.4	Ang	95	ErrZ 4
Est	Fase	P h:m:s		Dur	Co	Amp	Per
MTE	e Sg	13:54:23.88			HE		
	IAML	13:54:25.03			HZ	0.017	0.2
PCBR	e Pg	13:54:17.60			EZ		
	e Sg	13:54:23.77			EN		
PCAS	IAML	13:54:23.98			EZ	0.005	0.1
	e Pg	13:54:18.06			HZ		
	e Sg	13:54:24.39			HN		
PSARD	IAML	13:54:28.42			HZ	0.002	0.2
	e Pg	13:54:19.63			HZ		
	e Sg	13:54:26.97			HE		
PVIS	IAML	13:54:27.80			HZ	0.007	0.6
	e Pg	13:54:20.25			HZ		
	e Sg	13:54:29.03			HN		
PMRV	e P	13:54:23.96			HZ		
	e S	13:54:34.46			HN		
	IAML	13:54:34.64			HZ	0.003	0.2
PMTG	e P	13:54:28.43			HZ		
	e S	13:54:42.69			HN		
	IAML	13:54:43.13			HZ	0.002	0.2
MVO	e S	13:54:48.00			HE		
PESTR	e S	13:54:48.29			HE		
PARRA	e S	13:54:48.79			HE		
	IAML	13:54:50.26			HZ	0.002	0.6

22-Jan	Ho	17:43:29.6	Distante (NEIC)	mb 4.7
	Lat	22.920°S	Lon	63.799°W
			Prof	535
	Região: Salta Province, Argentina			
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co Amp Per</i>
PCVE	e P	17:54:43.19	BZ	

	IAMB	17:54:54.76	BZ	0.038 1.7
MESJ	e P	17:54:43.47	BZ	
EVO	e P	17:54:46.03	BZ	
PMTG	e P	17:54:47.56	BZ	
PBAR	e P	17:54:47.71	BZ	
PESTR	e P	17:54:47.74	BZ	
PCAS	e P	17:54:49.77	BZ	
MVO	e P	17:54:57.61	BZ	
	IAMB	17:55:04.75	BZ	0.040 1.8

22-Jan	Ho	17:50:17.8	Distante (NEIC)	mb 4.5
	Lat	22.855°S	Lon	63.809°W
			Prof	530
	Região: Salta Province, Argentina			
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co Amp Per</i>
PTEO	e P	18:01:28.88	BZ	
PBDV	e P	18:01:30.95	BZ	
PCVE	e P	18:01:31.91	BZ	
MESJ	e P	18:01:31.78	BZ	
	IAMB	18:02:00.46	BZ	0.035 1.8
PBEJ	e P	18:01:33.49	SZ	
MOE	e P	18:01:36.44	BZ	
PMTG	e P	18:01:35.96	BZ	
	IAMB	18:01:42.96	BZ	0.033 1.9
PBAR	e P	18:01:36.04	BZ	
PESTR	e P	18:01:36.57	BZ	
PCAS	e P	18:01:38.32	BZ	
PMRV	e P	18:01:32.92	BZ	
	IAMB	18:01:35.21	BZ	0.033 1.6
PCBR	e P	18:01:40.11	SZ	
PGAV	e P	18:01:46.36	BZ	
MVO	e P	18:01:46.39	BZ	
	IAMB	18:01:46.85	BZ	0.040 1.2

22-Jan	Ho	18:14:14.0			ML 1.3	
	Lat	36.527°N	Lon	09.755°W	Prof 15	
	Região: SW Cabo S.Vicente				Rms 0.2	
	AxMax	9.6	AxMin	6.5	Ang	120
					ErrZ	5
Est	Fase	P	h:m:s	Dur	Co	Amp Per
PFVI	e P		18:14:31.08		HZ	
	e S		18:14:44.24		HE	
MORF	e P		18:14:34.14		HZ	
	e S		18:14:49.79		HE	
	IAML		18:14:50.13		HZ	0.002 0.1
PTEO	e P		18:14:36.65		HZ	
PCVE	e S		18:15:04.82		HE	
PVAQ	e P		18:14:43.64		HZ	
	e S		18:15:05.84		H2	
	IAML		18:15:08.63		HZ	0.001 0.3
MOE	e P		18:14:49.55		HZ	
	e S		18:15:15.94		HN	
	IAML		18:15:18.24		HZ	0.002 0.6
EVO	e S		18:15:19.40		HE	
PBAR	e S		18:15:27.69		HE	
PMTG	e S		18:15:28.81		HN	
PMRV	e S		18:15:43.77		HE	

22-Jan	Ho	19:22:16.2	Distante (NEIC)	Mw 5.6
	Lat	39.076°N	Lon	27.844°E
			Prof	5
	Região: Turkey			
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co Amp Per</i>
MVO	e P	19:27:56.49	BZ	
	IAMB	19:28:06.57	BZ	0.056 1.7
	S	19:32:36.27	LN	
	LR	19:37:19.57	LZ	
	IAMS_20	19:41:24.79	LZ	2.679 18
MTE	e P	19:28:00.53	BZ	
	IAMB	19:28:31.81	BZ	0.087 1.7
	S	19:32:39.97	LN	
	LR	19:38:47.26	LZ	
	IAMS_20	19:39:40.40	LZ	2.987 20
PVRL	e P	19:28:01.92	SZ	
PBAR	e P	19:28:00.43	BZ	
	IAMB	19:28:08.19	BZ	0.063 1.7

PMRV	e P	19:28:03.27	BZ			
	IAMB	19:28:18.23	BZ	0.054	1.3	
	e S	19:32:43.97	LE			
	e LR	19:38:35.21	LZ			
	IAMS_20	19:42:54.74	LZ	3.117	16	
POLO	e P	19:28:03.28	BZ			
	IAMB	19:28:23.51	BZ	0.023	1.6	
PVIS	e P	19:28:03.76	BZ			
PESTR	e P	19:28:02.47	BZ			
	IAMB	19:28:14.67	BZ	0.046	1.9	
PGAV	e P	19:28:04.40	BZ			
	IAMB	19:28:31.64	BZ	0.084	2.0	
	e S	19:32:46.10	LN			
	e LR	19:39:04.01	LZ			
	IAMS_20	19:42:18.15	LZ	4.351	20	
PSARD	e P	19:28:09.27	BZ			
	IAMB	19:28:22.32	BZ	0.066	1.8	
PTO	e P	19:28:05.87	SZ			
EVO	e P	19:28:09.07	BZ			
	IAMB	19:28:09.86	BZ	0.031	1.9	
PBEJ	e P	19:28:06.47	SZ			
	IAMB	19:28:09.96	SZ	0.056	1.5	
PVAQ	e P	19:28:09.43	BZ			
	IAMB	19:28:14.86	BZ	0.086	1.8	
	e S	19:32:53.04	LZ			
	e LR	19:39:34.08	LZ			
	IAMS_20	19:40:52.14	LZ	1.806	16	
PMTG	e P	19:28:06.42	BZ			
	IAMB	19:28:35.83	BZ	0.062	1.7	
PCAS	e P	19:28:09.40	BZ			
	e LR	19:39:05.11	LZ			
	IAMS_20	19:40:04.36	LZ	2.648	20	
PBDV	e P	19:28:12.00	BZ			
	IAMB	19:28:17.08	BZ	0.165	1.7	
MOE	e P	19:28:11.88	BZ			
	IAMB	19:28:16.12	BZ	0.048	1.7	
MESJ	e P	19:28:12.62	BZ			
	IAMB	19:28:17.91	BZ	0.063	1.4	
PMAR	e P	19:29:26.62	BZ			

22-Jan

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PBAR	e Pn	20:52:17.05		HZ		
	e Sn	20:52:42.90		HE		
	e Sg	20:52:47.94		HE		
PVAQ	e Pn	20:52:17.15		HZ		
	e Sn	20:52:40.39		H1		
	IAML	20:52:40.69		HZ	0.002	0.7
	e Sg	20:52:47.70		H1		
PBDV	e Sn	20:52:45.71		HN		
	e Sg	20:52:53.31		HE		

23-Jan	Ho	01:48:51.4	ML 2.2
	Lat	36.498°N	Lon 09.850°W
	Região:	SW Cabo S.Vicente	Prof 31
	AxMax	5.5 AxMin 3.8	Ang 73 ErrZ 9

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PFVI	e P	01:49:08.14		HZ		
	e S	01:49:20.82		HN		
	IAML	01:49:21.84		HZ	0.053	0.3
MORF	e P	01:49:11.25		HZ		
	e S	01:49:26.35		HE		
	IAML	01:49:31.81		HZ	0.034	0.3
PTEO	e P	01:49:12.87		HZ		
	e S	01:49:29.21		HE		
	IAML	01:49:30.57		HZ	0.025	0.1
PBDV	e P	01:49:17.80		HZ		
	e S	01:49:37.45		HE		
	IAML	01:49:38.35		HZ	0.011	0.4
PCVE	e P	01:49:19.65		HZ		
	e S	01:49:40.73		HN		
	IAML	01:49:42.23		HZ	0.007	0.2
MESJ	e P	01:49:19.69		HZ		
	e S	01:49:40.99		HN		
	IAML	01:49:48.61		HZ	0.011	0.2

PVAQ	e P	01:49:20.78	HZ			
	e S	01:49:42.45	H2			
	IAML	01:49:45.42	HZ	0.018	0.1	
PBEJ	e P	01:49:23.91	EZ			
	e S	01:49:48.49	EE			
	IAML	01:49:50.14	EZ	0.007	0.1	
MOE	e P	01:49:26.27	HZ			
	e S	01:49:52.78	HN			
	IAML	01:49:55.22	HZ	0.007	0.2	
PMAFR	e P	01:49:27.94	HZ			
	e S	01:49:55.19	HN			
	IAML	01:49:57.96	HZ	0.038	0.2	
EVO	e P	01:49:27.96	HZ			
	e S	01:49:55.79	HN			
	IAML	01:49:57.79	HZ	0.019	0.1	
PBAR	e P	01:49:32.31	HZ			
	e S	01:50:04.17	HN			
	IAML	01:50:06.28	HZ	0.005	0.1	
PMTG	e P	01:49:33.24	HZ			
	e S	01:50:04.77	HE			
	IAML	01:50:06.51	HZ	0.009	1.4	
PESTR	e P	01:49:34.30	HZ			
	e S	01:50:07.75	HE			
	IAML	01:50:09.83	HZ	0.003	0.2	
PSBE	e P	01:49:36.75	HZ			
	e S	01:50:11.71	HE			
PSARD	e P	01:49:40.12	HZ			
	e S	01:50:15.96	HN			
	IAML	01:50:17.51	HZ	0.008	0.2	
PMRV	e P	01:49:41.82	HZ			
	e S	01:50:20.10	HE			
	IAML	01:50:22.17	HZ	0.004	0.1	
PCAS	e P	01:49:44.61	HZ			
	e S	01:50:25.05	HE			
PCBR	e P	01:49:46.60	EZ			
	e S	01:50:27.59	EN			
MTE	e P	01:49:52.81	HZ			
	e S	01:50:39.67	HE			
PVIS	e S	01:50:43.70	HE			
PVRL	e P	01:50:03.08	SZ			
	e S	01:50:56.22	SN			
POLO	e P	01:50:04.06	HZ			
	e S	01:50:58.98	HE			
MVO	e P	01:50:04.38	HZ			
	e S	01:50:59.28	HN			
PGAV	e P	01:50:10.84	HZ			
	e S	01:51:10.07	HE			

23-Jan	Ho	02:09:44.0	ML 1.1
	Lat	36.608°N	Lon 07.671°W
	Região:	Golfo de Cádiz	Prof 22
	AxMax	7.4 AxMin 5.3	Ang 176 ErrZ 5

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PBDV	e P	02:09:56.38		HZ		
	e S	02:10:06.11		HE		
PVAQ	e P	02:09:58.14		HZ		
	e S	02:10:09.03		H2		
	IAML	02:10:10.19		HZ	0.007	0.2
MORF	e P	02:10:03.40		HZ		
	e S	02:10:15.65		HE		
	IAML	02:10:22.51		HZ	0.003	0.2
PCVE	e P	02:10:02.18		HZ		
	e S	02:10:16.17		HE		
	IAML	02:10:16.83		HZ	0.002	0.2
PFVI	e P	02:10:02.35		HZ		
	e S	02:10:15.09		HE		
PTEO	S	02:10:20.88		HN		
MESJ	e P	02:10:05.51		HZ		
	S	02:10:21.99		HN		
MOE	e P	02:10:15.15		HZ		
	S	02:10:39.97		HN		
PMTG	e P	02:10:22.40		HZ		
	S	02:10:51.58		HN		
PMRV	e P	02:10:26.21		HZ		
	S	02:10:59.60		HE		

23-Jan	Ho	02:28:07.4	ML 1.4
	Lat	36.443°N	Lon 11.163°W
	Prof	10*	
	Região:	Gorringe	Rms 0.4
	AxMax	9.0	AxMin 5.0
	Ang	115	ErrZ 0
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur Co Amp Per</i>
PFVI	e P	02:28:39.14	HZ
	e S	02:29:02.90	HN
	IAML	02:29:03.65	HZ 0.001 0.1
MORF	e P	02:28:41.95	HZ
	e S	02:29:08.02	HN
PTEO	e P	02:28:42.71	HZ
	e S	02:29:09.52	HN
PBDV	e P	02:28:49.44	HZ
	e S	02:29:20.69	HE
MESJ	e P	02:28:49.37	HZ
	e S	02:29:21.68	HN
PCVE	e P	02:28:49.95	HZ
	e S	02:29:21.18	HE
PVAQ	e P	02:28:52.29	HZ
	e S	02:29:25.29	H2
	IAML	02:29:28.57	HZ 0.001 0.1
MOE	e P	02:28:53.24	HZ
	e S	02:29:28.17	HN
EVO	e S	02:29:33.73	HE
PBAR	e P	02:29:03.42	HZ
	e S	02:29:44.57	HN
PSARD	e S	02:29:50.41	HN
PMRV	e P	02:29:09.14	HZ
	e S	02:29:55.44	HE

23-Jan	Ho	05:53:02.6	Distante (NEIC)	Mw 6.2
	Lat	51.984°N	Lon 177.855°W	Prof 10
	Região:	Andreanof Islands, Aleutian Is.		
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur Co Amp Per</i>	
PGAV	e PP	06:09:06.25	BZ	
	e S	06:16:15.33	LE	
	e LR	06:42:07.43	LZ	
	IAMs_20	06:56:38.64	LZ 7.307	18
PCAB	e PP	06:09:06.28	SZ	
POLO	e P	06:05:50.18	BZ	
	IAMB	06:06:03.98	BZ 0.033	1.7
PVRL	e P	06:05:51.29	SZ	
	IAMB	06:05:55.84	SZ 0.086	1.7
MVO	e P	06:05:52.29	BZ	
	IAMB	06:05:54.30	BZ 0.060	2.0
	e S	06:16:27.59	LE	
	e LR	06:38:46.14	LZ	
	IAMs_20	06:50:09.96	LZ 9.267	18
PVIS	e P	06:05:54.05	BZ	
	e PP	06:09:18.34	BZ	
MTE	e P	06:05:55.36	BZ	
	IAMB	06:05:55.58	BZ 0.040	2.2
	e PP	06:09:21.23	BZ	
	e S	06:16:33.12	LE	
	e LR	06:42:57.83	LZ	
	IAMs_20	07:00:15.72	LZ 7.666	16
PCAS	e P	06:05:57.31	BZ	
	e PP	06:09:22.75	BZ	
PCBR	e P	06:05:57.96	SZ	
	IAMB	06:05:58.99	SZ 0.039	1.5
	e PP	06:09:21.22	SZ	
PSARD	IAMB	06:05:58.32	BZ 0.045	1.7
	e P	06:05:58.82	BZ	
	e PP	06:09:23.01	BZ	
PSBE	e PP	06:09:23.95	BZ	
PMRV	e PP	06:09:25.24	BZ	
	e S	06:16:42.57	LE	
	e LR	06:43:01.41	LZ	
	IAMs_20	06:55:39.53	LZ 7.046	18
PMTG	e PP	06:09:27.97	BZ	
PESTR	e P	06:06:02.35	BZ	
	IAMB	06:06:07.38	BZ 0.046	1.6
	e PP	06:09:29.60	BZ	
GGNV	e PP	06:09:31.16	BZ	

MOE	e PP	06:09:32.98	BZ	
EVO	e P	06:06:03.58	BZ	
	e PP	06:09:31.76	BZ	
PBAR	e P	06:06:05.94	BZ	
	IAMB	06:06:11.92	BZ 0.062	1.7
	e PP	06:09:36.08	BZ	
PBEJ	e P	06:06:06.96	SZ	
	e PP	06:09:37.97	SZ	
MESJ	e PP	06:09:38.56	BZ	
PTEO	e PP	06:09:38.79	BZ	
PVAQ	e P	06:06:07.08	BZ	
	e S	06:17:04.92	L1	
	e LR	06:44:50.94	LZ	
	IAMs_20	06:51:46.30	LZ 13.24	18
MORF	e PP	06:09:41.49	BZ	
PBDV	e PP	06:09:39.03	BZ	
PFVI	e PP	06:09:42.42	BZ	
PMOZ	e LR	06:42:04.96	LZ	
	IAMs_20	06:51:43.17	LZ 6.267	18

23-Jan	Ho	07:38:54.9			ML	0.9
	Lat	37.027°N	Lon	08.626°W	Prof	15
	Região:	SE Lagos			Rms	0.1
	AxMax	2.6	AxMin	2.1	Ang	7
					ErrZ	6
Est	Fase	P	h:m:s	Dur	Co	Amp Per
PFVI	i	P	d 07:38:59.06		HZ	
	e	S	07:39:02.44		HN	
		IAML	07:39:03.02		HZ	0.006 0.3
MORF	e	P	07:39:00.50		HZ	
	e	S	07:39:04.74		HE	
		IAML	07:39:05.61		HZ	0.010 0.2
PTEO	e	P	07:39:04.59		HZ	
	e	S	07:39:11.72		HN	
		IAML	07:39:12.28		HZ	0.005 0.4
PBDV	i	P	d 07:39:06.05		HZ	
	e	S	07:39:14.17		HE	
		IAML	07:39:15.37		HZ	0.002 0.1
PCVE	e	P	d 07:39:08.84		HZ	
	e	S	07:39:19.21		HE	
		IAML	07:39:24.49		HZ	0.002 0.6
PVAQ	e	P	07:39:09.41		HZ	
	e	S	07:39:20.54		H2	
		IAML	07:39:21.30		HZ	0.003 0.5
MESJ	e	P	07:39:10.84		HZ	
	e	S	07:39:22.56		HN	
		IAML	07:39:22.93		HZ	0.002 0.3

23-Jan	Ho	09:48:06.3	Distante (NEIC)	mb 5.3
	Lat	20.522°N	Lon 93.442°E	Prof 34
	Região:	Myanmar		
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur Co Amp Per</i>	
MVO	e P	10:00:35.22	BZ	
	IAMB	10:00:36.15	BZ 0.044	1.6
PVRL	e P	10:00:37.44	SZ	
	IAMB	10:00:58.50	SZ 0.054	2.0
POLO	e P	10:00:37.45	BZ	
PCAB	e P	10:00:37.67	SZ	
	IAMB	10:00:40.15	SZ 0.076	2.0
PGAV	e P	10:00:36.71	BZ	
	IAMB	10:00:39.00	BZ 0.097	1.6
MTE	e P	10:00:38.74	BZ	
	IAMB	10:00:40.35	BZ 0.075	1.7
PVIS	e P	10:00:39.41	BZ	
PCBR	e P	10:00:39.19	SZ	
	IAMB	10:00:40.28	SZ 0.030	1.1
PMRV	e P	10:00:39.73	BZ	
	IAMB	10:01:02.19	BZ 0.035	1.6
PTO	e P	10:00:40.89	SZ	
PBAR	e P	10:00:40.82	BZ	
	IAMB	10:00:42.01	BZ 0.048	1.6
PESTR	e P	10:00:41.66	BZ	
	IAMB	10:00:59.09	BZ 0.029	2.0
PSARD	e P	10:00:42.37	BZ	
	IAMB	10:00:43.02	BZ 0.048	1.0
PCAS	e P	10:00:42.68	BZ	

PMTG	e P	10:00:43.01	BZ		
	IAMB	10:00:44.16	BZ	0.039	1.3
EVO	e P	10:00:43.70	BZ		
	IAMB	10:00:54.60	BZ	0.026	2.0
PBEJ	e P	10:00:44.46	SZ		
PVAQ	e P	10:00:44.90	BZ		
	IAMB	10:00:45.86	BZ	0.044	1.4
MOE	e P	10:00:45.33	BZ		
MESJ	e P	10:00:46.02	BZ		
PBDV	e P	10:00:46.46	BZ		
PMAFR	e P	10:00:47.79	BZ		

23-Jan Ho 11:45:43.3 ML 2.3
Lat 32.578°N Lon 06.513°W Prof 21
Região: SE Rabat (MARR) Rms 0.3
AxMax 12.3 AxMin 3.1 Ang 109 ErrZ 10

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PBDV	e Pn	11:46:53.51		HZ		
	e Sn	11:47:47.04		HN		
	IAML	11:47:48.91		HZ	0.003	1.1
PVAQ	e Pn	11:46:55.10		HZ		
	e Sn	11:47:48.85		H2		
	IAML	11:47:50.31		HZ	0.002	0.6
PFVI	e Pn	11:46:56.86		HZ		
MORF	e Pn	11:46:56.81		HZ		
	e Sn	11:47:52.16		HE		
	IAML	11:47:57.01		HZ	0.002	0.2
PCVE	e Pn	11:46:59.30		HZ		
	e Sn	11:47:56.00		HN		
	IAML	11:47:57.38		HZ	0.002	0.4
PTEO	e Pn	11:47:00.80		HZ		
MESJ	e Pn	11:47:02.77		HZ		
	e Sn	11:48:02.29		HE		
	IAML	11:48:05.12		HZ	0.002	0.7
PBAR	e Pn	11:47:05.24		HZ		
	e Sn	11:48:04.92		HE		
MOE	e Pn	11:47:12.63		HZ		
PSARD	e Pn	11:47:26.07		HZ		

23-Jan Ho 13:28:24.2 ML 0.7
Lat 36.937°N Lon 08.619°W Prof 31
Região: SE Lagos Rms 0.1
AxMax 4.8 AxMin 1.9 Ang 41 ErrZ 3

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PFVI	e P	13:28:30.69		HZ		
	e S	13:28:35.72		HE		
	IAML	13:28:36.49		HZ	0.004	0.1
MORF	e P	13:28:32.39		HZ		
	e S	13:28:38.31		HN		
	IAML	13:28:40.14		HZ	0.002	0.2
PBDV	e P	13:28:35.79		HZ		
	e S	13:28:44.39		HE		
PVAQ	e P	13:28:38.89		HZ		
	e S	13:28:49.86		H2		

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PFVI	e P	c 17:11:24.03		HZ		
	e S	17:11:28.78		HE		
	IAML	17:11:29.67		HZ	0.007	0.3
PVAQ	e P	17:11:36.29		HZ		
	e S	17:11:50.86		H2		
PTEO	e S	17:11:39.59		HE		

23-Jan Ho 17:04:29.5 Distante (NEIC) mb 4.9
Lat 11.572°S Lon 166.753°E Prof 208
Região: Santa Cruz Islands

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PGAV	e PKPbc	17:23:54.34		BZ		
POLO	e PKPbc	17:23:55.51		BZ		
MVO	e PKPbc	17:23:55.72		BZ		
PTO	e PKPbc	17:23:56.05		SZ		
PVIS	e PKPbc	17:23:56.74		BZ		
MTE	e PKPbc	17:23:57.60		BZ		
PCAS	e PKPbc	17:23:58.12		BZ		

	e PKPab	17:24:07.91	BZ		
PCBR	e PKPbc	17:23:58.61	SZ		
PSARD	e PKPdf	17:23:52.90	BZ		
	e PKPbc	17:23:59.39	BZ		
PMRV	e PKPbc	17:23:59.54	BZ		
PMTG	e PKPdf	17:23:52.09	BZ		
	e PKPbc	17:24:00.22	BZ		
PESTR	e PKPbc	17:24:00.36	BZ		
	e PKPab	17:24:11.84	BZ		
EVO	e PKPbc	17:24:01.64	BZ		
	e PKPab	17:24:14.26	BZ		
PBAR	e PKPab	17:24:15.03	BZ		
PBEJ	e PKPab	17:24:16.45	SZ		
MESJ	e PKPbc	17:24:03.65	BZ		
	e PKPab	17:24:17.52	BZ		
PCVE	e PKPbc	17:24:03.88	BZ		
	e PKPab	17:24:17.91	BZ		
MORF	e PKPbc	17:24:04.70	BZ		
	e PKPab	17:24:20.58	BZ		

23-Jan Ho 18:54:34.9 ML 0.7
Lat 37.515°N Lon 07.612°W Prof 15
Região: NW Alcoutim Rms 0.3
AxMax 3.2 AxMin 2.4 Ang 115 ErrZ 5

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PVAQ	i Pg	c 18:54:38.53		HZ		
	e Sg	18:54:41.46		H2		
	IAML	18:54:42.26		HZ	0.006	0.3
PCVE	e Pg	18:54:41.94		HZ		
	e Sg	18:54:47.11		HN		
	IAML	18:54:47.68		HZ	0.002	0.2
PBDV	i Pg	d 18:54:41.88		HZ		
	e Sg	18:54:46.84		HN		
	IAML	18:54:47.93		HZ	0.003	0.1
MESJ	e Pg	18:54:45.86		HZ		
	e Sg	18:54:53.32		HE		
	IAML	18:54:56.57		HZ	0.002	1.0
PBAR	e P	18:54:49.77		HZ		
	e S	18:54:59.88		HN		
	IAML	18:55:02.07		HZ	0.001	0.2
MORF	e P	18:54:50.28		HZ		
	e S	18:55:01.91		HE		
	IAML	18:55:03.58		HZ	0.002	0.2
PTEO	e S	18:55:02.91		HE		
PFVI	e S	18:55:07.60		HE		

23-Jan Ho 21:12:51.4 ML 0.9
Lat 37.319°N Lon 08.603°W Prof 11
Região: W Monchique Rms 0.3
AxMax 2.9 AxMin 1.9 Ang 127 ErrZ 4

Est	Fase	P h:m:s	Dur	Co	Amp	Per
MORF	e Pg	21:12:53.39		HZ		
	e Sg	21:12:55.43		HE		
	IAML	21:12:55.89		HZ	0.058	0.2
PTEO	e Pg	21:12:56.13		HZ		
	e Sg	21:12:59.86		HE		
PFVI	e Pg	21:12:56.06		HZ		
	e Sg	21:12:59.72		HN		
	IAML	21:13:00.84		HZ	0.011	0.1
PBDV	e Pg	21:13:01.59		HZ		
	e Sg	21:13:09.31		HE		
	IAML	21:13:10.43		HZ	0.003	0.2
PCVE	e Pg	21:13:01.59		HZ		
	e Sg	21:13:08.64		HE		
	IAML	21:13:12.26		HZ	0.002	0.1
MESJ	e Pg	21:13:02.54		HZ		
	e Sg	21:13:10.63		HN		
	IAML	21:13:11.31		HZ	0.003	0.5
PVAQ	e P	21:13:04.34		HZ		
	e S	21:13:13.87		H2		
	IAML	21:13:16.05		HZ	0.003	0.3
PBEJ	e P	21:13:08.25		EZ		
	e S	21:13:20.06		EN		
	IAML	21:13:22.73		EZ	0.002	0.8
MOE	e S	21:13:29.47		HN		

EVO	e S	21:13:30.90	HE		
	IAML	21:13:38.57	HZ	0.002	0.5
PBAR	e Sg	21:13:37.50	HE		
	IAML	21:13:41.97	HZ	0.001	0.1
PMTG	e Sg	21:13:46.08	HE		
	IAML	21:13:48.25	HZ	0.001	0.4

23-Jan Ho 21:11:28.8 Distante (NEIC) Mw 5.5
Lat 26.988°S Lon 63.351°W Prof 554
Região: Santiago Del Estero Prov., Arg.

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PMAR	e P	21:22:09.11	BZ			
PFVI	e P	21:22:50.03	BZ			
MORF	e P	21:22:51.33	BZ			
PTEO	e P	21:22:52.01	BZ			
	IAMB	21:22:54.09	BZ	0.120	1.6	
PBDV	e P	21:22:53.84	BZ			
	IAMB	21:22:55.64	BZ	0.125	1.4	
PCVE	e P	21:22:54.46	BZ			
	IAMB	21:22:55.75	BZ	0.051	1.8	
MESJ	e P	21:22:54.64	BZ			
	IAMB	21:22:55.94	BZ	0.065	1.1	
PVAQ	e P	21:22:54.68	BZ			
	IAMB	21:22:55.94	BZ	0.076	1.2	
PMAFR	e P	21:22:55.10	BZ			
PBEJ	e P	21:22:56.15	SZ			
	IAMB	21:22:58.27	SZ	0.062	1.3	
MOE	e P	21:22:56.38	BZ			
	IAMB	21:22:57.70	BZ	0.108	1.0	
EVO	e P	21:22:57.20	BZ			
	IAMB	21:22:58.60	BZ	0.050	1.1	
PSBE	e P	21:22:58.56	BZ			
	IAMB	21:22:59.54	BZ	0.141	0.9	
PMTG	e P	21:22:58.32	BZ			
	IAMB	21:22:59.83	BZ	0.149	1.3	
PBAR	e P	21:22:58.81	BZ			
	IAMB	21:23:00.89	BZ	0.056	1.6	
PESTR	e P	21:22:59.80	BZ			
	IAMB	21:23:01.15	BZ	0.088	1.4	
PSARD	e P	21:23:00.04	BZ			
	IAMB	21:23:01.43	BZ	0.063	1.4	
PCAS	e P	21:23:00.78	BZ			
	IAMB	21:23:02.39	BZ	0.123	1.5	
PMRV	e P	21:23:01.57	BZ			
	IAMB	21:23:02.91	BZ	0.066	1.3	
PCBR	e P	21:23:02.71	SZ			
	IAMB	21:23:03.81	SZ	0.096	1.3	
PTO	e P	21:23:04.20	SZ			
	IAMB	21:23:05.35	SZ	0.177	1.3	
MTE	e P	21:23:04.57	BZ			
	IAMB	21:23:05.95	BZ	0.141	1.1	
PVIS	e P	21:23:04.33	BZ			
PVRL	e P	21:23:06.74	SZ			
	IAMB	21:23:08.22	SZ	0.168	1.1	
POLO	e P	21:23:06.86	BZ			
	IAMB	21:23:08.68	BZ	0.053	1.2	
PCAB	e P	21:23:07.26	SZ			
	IAMB	21:23:08.71	SZ	0.094	1.0	
PGAV	e P	21:23:07.61	BZ			
	IAMB	21:23:09.20	BZ	0.077	1.5	
MVO	e P	21:23:08.52	BZ			
	IAMB	21:23:10.02	BZ	0.135	1.2	

23-Jan Ho 23:20:14.0 ML 1.2
Lat 42.103°N Lon 07.184°W Prof 12
Região: NW Vinhais Rms 0.3
AxMax 4.0 AxMin 3.3 Ang 72 ErrZ 8

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PCAB	e Pg	23:20:27.74	EZ			
	Sg	23:20:37.50	EE			
	IAML	23:20:39.04	EZ	0.006	0.1	
PGAV	e P	23:20:28.90	HZ			
	S	23:20:40.10	HN			
	IAML	23:20:42.27	HZ	0.003	0.2	

POLO	e P	23:20:29.45	HZ		
	S	23:20:40.81	HE		
	IAML	23:20:41.40	HZ	0.002	0.3
PVRL	e P	23:20:30.84	SZ		
	S	23:20:42.92	SN		
MVO	e P	23:20:30.95	HZ		
	S	23:20:43.34	HE		
	IAML	23:20:44.19	HZ	0.006	0.3
PVIS	e Sg	23:21:00.07	HE		

23-Jan Ho 23:28:48.2 ML 1.4
Lat 36.837°N Lon 08.362°W Prof 26
Região: SW Albufeira Rms 0.4
AxMax 6.8 AxMin 3.8 Ang 19 ErrZ 5

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PFVI	e P	23:28:57.53	HZ			
	S	23:29:04.38	HN			
	IAML	23:29:05.74	HZ	0.016	0.2	
MORF	e P	23:28:58.23	HZ			
	S	23:29:06.12	HN			
	IAML	23:29:07.12	HZ	0.016	0.1	
PBDV	e P	23:28:58.30	HZ			
	S	23:29:06.12	HN			
	IAML	23:29:07.17	HZ	0.009	0.2	
PTEO	e P	23:29:02.21	HZ			
	S	23:29:12.79	HN			
	IAML	23:29:13.55	HZ	0.006	0.4	
PVAQ	e P	23:29:01.55	HZ			
PCVE	e P	23:29:03.82	HZ			
	S	23:29:13.74	HN			
	IAML	23:29:15.01	HZ	0.006	0.5	
MESJ	e P	23:29:05.52	HZ			
	S	23:29:18.17	HN			
	IAML	23:29:21.30	HZ	0.003	0.2	
PBEJ	e S	23:29:24.07	EE			
	IAML	23:29:28.40	EZ	0.002	0.2	
MOE	e S	23:29:33.69	HE			
	IAML	23:29:43.03	HZ	0.003	0.3	
PBAR	e S	23:29:34.82	HN			
	IAML	23:29:46.06	HZ	0.001	0.4	
EVO	e S	23:29:34.68	HE			
	IAML	23:29:41.59	HZ	0.002	0.5	
PMTG	e S	23:29:47.04	HE			
	IAML	23:30:01.94	HZ	0.002	0.7	
PMRV	e P	23:29:29.00	HZ			
	S	23:29:59.10	HN			

24-Jan Ho 02:12:22.9 ML 0.8
Lat 38.180°N Lon 08.285°W Prof 1*
Região: NW Ferreira do Alentejo Rms 0.3
AxMax 2.3 AxMin 1.0 Ang 92 ErrZ 0

Est	Fase	P h:m:s	Dur	Co	Amp	Per
MESJ	e Pg	02:12:29.27	HZ			
	Sg	02:12:33.70	HE			
	IAML	02:12:34.93	HZ	0.002	0.2	
MOE	e Pg	02:12:29.45	HZ			
	Sg	02:12:34.20	HN			
	IAML	02:12:34.78	HZ	0.006	0.2	
PBEJ	e Sg	02:12:34.68	EN			
	IAML	02:12:34.92	EZ	0.003	0.1	
EVO	e Sg	02:12:36.14	HE			
	IAML	02:12:36.35	HZ	0.002	0.1	
PCVE	e Pg	02:12:33.35	HZ			
	Sg	02:12:41.86	HE			
	IAML	02:12:43.95	HZ	0.001	0.2	
PESTR	e Sg	02:12:50.96	HN			
	IAML	02:12:51.10	HZ	0.001	0.3	
PMTG	e Sg	02:12:50.89	HE			
	IAML	02:12:53.25	HZ	0.001	0.2	
PVAQ	e P	02:12:38.95	HZ			
	S	02:12:51.07	H1			
	IAML	02:12:51.72	HZ	0.003	0.8	
MORF	e P	02:12:40.21	HZ			
	S	02:12:51.88	HN			
	IAML	02:12:53.83	HZ	0.002	0.2	

PBAR	e P	02:12:41.19	HZ			
	e S	02:12:53.93	HN			
	IAML	02:12:58.03	HZ	0.001	0.4	
PBDV	e S	02:12:53.95	HE			
	IAML	02:12:57.56	HZ	0.003	0.8	
PFVI	e S	02:12:58.98	HE			
PSBE	e S	02:13:06.43	HN			
PSARD	e S	02:13:07.63	HN			
	IAML	02:13:08.64	HZ	0.001	0.2	
PMRV	e S	02:13:07.85	HE			
	IAML	02:13:08.58	HZ	0.001	0.5	

24-Jan	Ho	04:46:20.1	ML 1.0			
	Lat	36.793°N	Lon	08.711°W	Prof	24
	Região:	S Lagos	Rms	0.1		
	AxMax	4.0	AxMin	2.1	Ang	84
	ErrZ	2				
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp</i>	<i>Per</i>
PFVI	e Pg	04:46:27.42		HZ		
	e Sg	04:46:32.91		HE		
	IAML	04:46:34.18		HZ	0.007	0.1
MORF	e Pg	04:46:30.05		HZ		
	e Sg	04:46:37.52		HN		
	IAML	04:46:38.30		HZ	0.005	0.5
PCVE	e P	04:46:37.33		HZ		
	e S	04:46:50.04		HE		
	IAML	04:46:50.92		HZ	0.002	0.5
PVAQ	e P	04:46:37.36		HZ		
	e S	04:46:50.35		H1		
	IAML	04:46:57.55		HZ	0.003	0.9
MESJ	e S	04:46:52.94		HE		
	IAML	04:46:54.11		HZ	0.002	0.3
EVO	e S	04:47:09.88		HN		
PBAR	e S	04:47:11.89		HE		

24-Jan	Ho	04:59:46.4	ML 2.0			
	Lat	36.473°N	Lon	13.572°W	Prof	0
	Região:	Josephine	Rms	0.5		
	AxMax	44.8	AxMin	10.1	Ang	88
	ErrZ	31				
<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	05:00:39.85		HZ		
	e S	05:01:20.86		HN		
MORF	e S	05:01:25.30		HN		
	IAML	05:01:31.93		HZ	0.004	0.7
PMAFR	e S	05:01:29.79		HN		
	IAML	05:01:36.02		HZ	0.008	0.4
MESJ	e S	05:01:35.82		HN		
	IAML	05:01:38.65		HZ	0.002	0.8
PCVE	e S	05:01:38.28		HN		
	IAML	05:01:41.49		HZ	0.002	0.6
PBDV	e S	05:01:39.98		HN		
PVAQ	e S	05:01:43.92		H2		
	IAML	05:01:46.28		HZ	0.003	0.7
PBEJ	e S	05:01:44.41		EE		
PSBE	e S	05:01:45.33		HE		
EVO	e S	05:01:44.11		HE		
	IAML	05:01:48.16		HZ	0.002	0.1
PMTG	e S	05:01:46.72		HN		
	IAML	05:01:51.06		HZ	0.002	0.9
PSARD	e P	05:01:00.81		HZ		
	e S	05:01:55.20		HN		
	IAML	05:01:58.38		HZ	0.003	0.3
PESTR	e S	05:01:54.67		HE		
PBAR	e S	05:01:59.60		HE		
	IAML	05:02:01.24		HZ	0.001	0.6
PMRV	e P	05:01:05.55		HZ		
	e S	05:02:04.11		HE		
	IAML	05:02:08.24		HZ	0.001	0.1
PCBR	e S	05:02:08.80		EN		

24-Jan	Ho	05:13:49.2	Distante (NEIC)	Mw 5.4		
	Lat	17.374°S	Lon	71.023°W	Prof	75
	Região:	Near Coast of Peru				
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp</i>	<i>Per</i>
PMOZ	e P	05:25:02.19		BZ		
	IAMB	05:25:34.47		BZ	0.209	1.9

PMPS	e P	05:25:07.09	EZ			
PFVI	e P	05:25:48.75	BZ			
MORF	e P	05:25:50.49	BZ			
	IAMB	05:25:51.43	BZ	0.098	0.9	
PBDV	e P	05:25:53.23	BZ			
	IAMB	05:25:53.91	BZ	0.123	1.3	
MESJ	e P	05:25:52.92	BZ			
	IAMB	05:25:56.32	BZ	0.065	1.4	
PCVE	e P	05:25:52.99	BZ			
	IAMB	05:25:56.55	BZ	0.057	2.1	
PVAQ	e P	05:25:53.46	BZ			
	IAMB	05:25:55.94	BZ	0.066	1.5	
MOE	e P	05:25:54.25	BZ			
	IAMB	05:25:55.44	BZ	0.057	1.4	
PBEJ	e P	05:25:54.67	SZ			
	IAMB	05:25:55.43	SZ	0.054	1.1	
PSBE	e P	05:25:55.37	BZ			
	IAMB	05:25:57.98	BZ	0.050	1.5	
EVO	e P	05:25:55.27	BZ			
	IAMB	05:25:58.54	BZ	0.032	1.5	
PMTG	e P	05:25:55.89	BZ			
	IAMB	05:25:59.10	BZ	0.079	1.6	
PSARD	e P	05:25:56.91	BZ			
	IAMB	05:25:58.75	BZ	0.075	1.1	
PCAS	e P	05:25:57.66	BZ			
PESTR	e P	05:25:57.62	BZ			
	IAMB	05:25:59.21	BZ	0.065	1.1	
PBAR	e P	05:25:57.80	BZ			
	IAMB	05:25:59.14	BZ	0.038	2.1	
PMRV	e P	05:25:59.60	BZ			
	IAMB	05:26:32.61	BZ	0.026	1.4	
PTO	e P	05:26:00.45	SZ			
PCBR	e P	05:26:00.45	SZ			
	IAMB	05:26:03.49	SZ	0.035	1.4	
PVIS	e P	05:26:01.11	BZ			
MTE	e P	05:26:01.00	BZ			
	IAMB	05:26:02.92	BZ	0.048	1.1	
PGAV	e P	05:26:03.33	BZ			
	IAMB	05:26:06.60	BZ	0.080	1.8	
POLO	e P	05:26:03.13	BZ			
	IAMB	05:26:06.64	BZ	0.030	1.5	
PVRL	e P	05:26:03.90	SZ			
	IAMB	05:26:06.67	SZ	0.049	1.4	
PCAB	e P	05:26:03.86	SZ			
	IAMB	05:26:06.46	SZ	0.065	1.5	
MVO	e P	05:26:05.29	BZ			
	IAMB	05:26:06.92	BZ	0.060	1.3	

24-Jan	Ho	06:40:28.2	ML 1.0			
	Lat	38.087°N	Lon	08.789°W	Prof	8
	Região:	SW Melides	Rms	0.2		
	AxMax	3.7	AxMin	2.5	Ang	97
	ErrZ	6				
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp</i>	<i>Per</i>
MESJ	e Pg	06:40:37.34		HZ		
	e Sg	06:40:44.58		HE		
	IAML	06:40:45.69		HZ	0.004	0.3
MOE	e Pg	06:40:38.62		HZ		
	e Sg	06:40:46.24		HN		
	IAML	06:40:47.46		HZ	0.002	0.1
PBEJ	e Sg	06:40:51.88		EE		
	IAML	06:40:54.05		EZ	0.002	0.2
PCVE	e Pg	06:40:42.10		HZ		
	e Sg	06:40:52.19		HE		
	IAML	06:40:55.47		HZ	0.002	0.2
EVO	e P	06:40:41.93		HZ		
	e S	06:40:51.68		HN		
	IAML	06:40:53.93		HZ	0.003	0.1
MORF	e P	06:40:42.55		HZ		
	e S	06:40:53.70		HN		
	IAML	06:40:54.61		HZ	0.004	0.3
PFVI	e P	06:40:45.26		HZ		
	e S	06:40:58.00		HE		
PBDV	e P	06:40:47.75		HZ		
	e S	06:41:02.41		HN		
	IAML	06:41:06.30		HZ	0.002	0.3

PMTG	e P	06:40:47.87	HZ			
	e S	06:41:02.28	HE			
	IAML	06:41:03.54	HZ	0.002	0.3	
PVAQ	e P	06:40:47.81	HZ			
	e S	06:41:02.57	H1			
	IAML	06:41:05.71	HZ	0.004	0.8	
PBAR	e S	06:41:11.44	HE			
	IAML	06:41:14.02	HZ	0.002	0.7	
PSBE	e S	06:41:13.08	HE			
PSARD	e S	06:41:17.59	HE			
	IAML	06:41:19.65	HZ	0.002	0.2	
PMRV	e S	06:41:21.07	HE			
	IAML	06:41:23.93	HZ	0.001	0.6	

24-Jan Ho 07:09:15.8 Distant (NEIC) Mw 5.5
Lat 39.165°N Lon 71.508°E Prof 10
Região: Tajikistan

Est	Fase	P h:m:s	Dur	Co	Amp	Per
MVO	e P	07:19:09.47	BZ			
	IAMB	07:19:15.45	BZ	0.087	1.4	
PVRL	e P	07:19:12.61	SZ			
	IAMB	07:19:17.96	SZ	0.062	1.7	
PCAB	e P	07:19:12.73	SZ			
	IAMB	07:19:18.70	SZ	0.197	1.3	
POLO	e P	07:19:12.40	BZ			
	IAMB	07:19:18.07	BZ	0.031	1.3	
PGAV	e P	07:19:12.70	BZ			
	IAMB	07:19:19.05	BZ	0.178	1.4	
MTE	e P	07:19:14.13	BZ			
	IAMB	07:19:17.31	BZ	0.095	1.2	
PVIS	e P	07:19:13.58	BZ			
PCBR	e P	07:19:16.33	SZ			
	IAMB	07:19:18.31	SZ	0.032	1.0	
PMRV	e P	07:19:16.50	BZ			
	IAMB	07:19:22.76	BZ	0.106	1.1	
PTO	e P	07:19:17.50	SZ			
PBAR	e P	07:19:18.80	BZ			
	IAMB	07:19:24.87	BZ	0.106	1.5	
PESTR	e P	07:19:19.86	BZ			
	IAMB	07:19:23.40	BZ	0.060	1.1	
PSARD	e P	07:19:18.63	BZ			
	IAMB	07:19:25.86	BZ	0.086	1.3	
PCAS	e P	07:19:21.10	BZ			
	IAMB	07:19:26.71	BZ	0.086	2.2	
PMTG	e P	07:19:22.63	BZ			
	IAMB	07:19:25.68	BZ	0.054	1.1	
EVO	e P	07:19:22.53	BZ			
	IAMB	07:19:28.34	BZ	0.050	2.2	
PSBE	e P	07:19:22.63	BZ			
	IAMB	07:19:25.87	BZ	0.141	1.5	
PBEJ	e P	07:19:24.48	SZ			
	IAMB	07:19:28.20	SZ	0.086	2.3	
MOE	e P	07:19:24.16	BZ			
	IAMB	07:19:30.93	BZ	0.086	2.3	
PVAQ	e P	07:19:24.67	BZ			
	IAMB	07:19:27.33	BZ	0.129	1.5	
PCVE	e P	07:19:25.09	BZ			
	IAMB	07:19:29.10	BZ	0.065	1.2	
MESJ	e P	07:19:25.96	BZ			
	IAMB	07:19:29.32	BZ	0.072	1.1	
PBDV	e P	07:19:27.22	BZ			
	IAMB	07:19:29.81	BZ	0.199	1.3	
PMAFR	e P	07:19:27.57	BZ			
MORF	e P	07:19:29.62	BZ			
	IAMB	07:19:40.42	BZ	0.082	1.4	
PFVI	e P	07:19:32.17	BZ			
	IAMB	07:19:35.93	BZ	0.143	1.9	
PMAR	e P	07:20:23.18	BZ			
	IAMB	07:20:35.78	BZ	0.199	2.1	
PMOZ	e P	07:20:29.31	BZ			

24-Jan Ho 07:24:18.8 Distant (NEIC) Mw 4.9
Lat 36.731°N Lon 05.600°E Prof 10
Região: Northern Algeria

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PBAR	e P	07:26:44.05	BZ			
	IAMB	07:26:47.44	BZ	0.061	1.9	
PMRV	e P	07:26:53.55	BZ			
	IAMB	07:26:55.88	BZ	0.077	1.6	
PESTR	e P	07:26:52.54	BZ			
	IAMB	07:26:57.14	BZ	0.067	2.1	
PVAQ	e P	07:26:50.76	BZ			
PCBR	e P	07:26:54.66	SZ			
	IAMB	07:26:57.34	SZ	0.101	1.8	
MVO	e P	07:26:54.00	BZ			
	IAMB	07:27:35.34	BZ	0.066	1.2	
PBEJ	e P	07:26:52.17	SZ			
	IAMB	07:27:08.71	SZ	0.056	1.8	
MTE	e P	07:26:56.30	BZ			
	IAMB	07:27:08.35	BZ	0.048	1.3	
PCVE	e P	07:26:54.20	BZ			
	IAMB	07:27:28.98	BZ	0.070	1.6	
EVO	e P	07:26:56.67	BZ			
	IAMB	07:27:29.93	BZ	0.059	1.9	
MESJ	e P	07:26:56.41	BZ			
	IAMB	07:27:31.98	BZ	0.050	1.3	
PMTG	e P	07:26:59.69	BZ			
	IAMB	07:27:03.40	BZ	0.072	2.2	
PSARD	e P	07:27:01.55	BZ			
	IAMB	07:27:24.44	BZ	0.051	1.4	
MOE	e P	07:26:59.95	BZ			
	IAMB	07:27:34.44	BZ	0.072	1.7	
PVIS	e P	07:27:01.41	BZ			
PVRL	e P	07:27:00.16	SZ			
	IAMB	07:27:22.74	SZ	0.063	1.7	
POLO	e P	07:27:02.79	BZ			
	IAMB	07:27:31.91	BZ	0.023	1.6	
MORF	e P	07:27:01.74	BZ			
PCAS	e P	07:27:06.14	BZ			
	IAMB	07:27:19.83	BZ	0.072	1.4	
PCAB	e P	07:27:08.31	SZ			
	IAMB	07:27:38.41	SZ	0.058	1.8	
PSBE	e P	07:27:06.90	BZ			
	IAMB	07:27:37.22	BZ	0.063	1.9	
PGAV	e P	07:27:10.17	BZ			
	IAMB	07:27:38.96	BZ	0.059	1.9	

24-Jan Ho 08:34:17.8 ML 1.6
Lat 36.511°N Lon 07.541°W Prof 3*
Região: Golfo de Cádiz Rms 0.4
AxMax 10.0 AxMin 7.8 Ang 153 ErrZ 0

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PBDV	e P	08:34:32.05	HZ			
	e S	08:34:43.78	HE			
	IAML	08:34:46.16	HZ	0.005	0.6	
PVAQ	e P	08:34:33.49	HZ			
	e S	08:34:46.42	H2			
	IAML	08:34:52.80	HZ	0.007	0.2	
PCVE	e P	08:34:39.73	HZ			
	IAML	08:35:01.41	HZ	0.004	0.5	
MORF	e P	08:34:40.05	HZ			
	e S	08:34:55.86	HE			
	IAML	08:34:57.47	HZ	0.018	0.2	
PFVI	e S	08:34:55.58	HN			
	IAML	08:34:59.34	HZ	0.009	0.2	
MESJ	e P	08:34:41.58	HZ			
	e S	08:35:01.77	HE			
	IAML	08:35:07.44	HZ	0.004	0.3	
PBAR	e S	08:35:08.65	HE			
	IAML	08:35:14.31	HZ	0.002	0.2	
MOE	e S	08:35:18.50	HE			
	IAML	08:35:29.02	HZ	0.004	0.7	
PMTG	e P	08:34:59.22	HZ			
	e S	08:35:29.24	HN			
	IAML	08:35:34.48	HZ	0.002	0.6	

PSARD e S 08:35:41.65 HN
IAML 08:35:43.99 HZ 0.003 0.8

24-Jan

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PMAR	e P	09:30:17.70		HZ		
	e S	09:30:48.31		H2		
	IAML	09:30:54.32		HZ	0.020	0.3
PMPST	e S	09:30:32.64		HE		
PVAQ	e P	09:31:02.65		HZ		
	e S	09:32:05.12		H2		
	IAML	09:32:07.33		HZ	0.003	0.8
MORF	e S	09:31:50.33		HN		
	IAML	09:31:51.68		HZ	0.004	0.7
PBDV	e S	09:32:02.26		HE		
PCVE	e S	09:32:02.53		HE		
	IAML	09:32:13.22		HZ	0.002	0.8
PMTG	e S	09:32:23.34		HE		
PBAR	e S	09:32:28.05		HN		
	IAML	09:32:29.85		HZ	0.001	0.7

24-Jan

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PFVI	e P	11:05:16.11		HZ		
	e S	11:05:55.81		HN		
MOE	e P	11:05:24.68		HZ		
	e S	11:06:10.96		HN		
	IAML	11:06:16.37		HZ	0.004	0.7
PTEO	e S	11:05:57.80		HN		
	IAML	11:06:04.08		HZ	0.006	0.8
MORF	e S	11:05:58.94		HE		
	IAML	11:06:07.60		HZ	0.004	0.1
MESJ	e S	11:06:09.45		HN		
	IAML	11:06:13.19		HZ	0.003	0.1
PCVE	e S	11:06:11.61		HE		
	IAML	11:06:16.14		HZ	0.003	0.9
PBDV	e S	11:06:14.52		HN		
PVAQ	e S	11:06:16.74		H2		
	IAML	11:06:23.60		HZ	0.003	0.5
EVO	e S	11:06:16.93		HN		
	IAML	11:06:20.42		HZ	0.005	0.1
PMTG	e S	11:06:19.10		HE		
	IAML	11:06:24.22		HZ	0.002	0.4
PSARD	e S	11:06:26.38		HE		
	IAML	11:06:28.65		HZ	0.005	0.7
PESTR	e S	11:06:27.84		HE		
PBAR	e S	11:06:33.06		HE		
	IAML	11:06:33.96		HZ	0.002	0.8
PMRV	e S	11:06:35.85		HE		

24-Jan Ho 14:03:26.9 ML 1.5
Lat 36.090°N Lon 07.933°W Prof 35*
Região: Golfo de Cádiz Rms 0.2
AxMax 5.7 AxMin 4.9 Ang 75 ErrZ 0

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PBDV	e P	14:03:45.42		HZ		
	e S	14:03:59.78		HE		
PFVI	e S	14:04:01.91		HN		
PVAQ	e P	14:03:47.88		HZ		
	e S	14:04:03.27		H2		
	IAML	14:04:03.98		HZ	0.006	0.3
MORF	e P	14:03:47.99		HZ		
	e S	14:04:04.14		HE		
	IAML	14:04:05.15		HZ	0.004	0.1
PCVE	e P	14:03:51.07		HZ		
	e S	14:04:08.79		HN		
PTEO	e P	14:03:51.55		HZ		
	e S	14:04:10.26		HN		

24-Jan Ho 17:55:14.0 Distante (NEIC) Mw 6.7
Lat 38.390°N Lon 39.088°E Prof 10
Região: Turkey

Est	Fase	P h:m:s	Dur	Co	Amp	Per
MVO	e S	18:07:44.04		LE		
	e SS	18:10:10.39		LE		

	IAMs_20	18:18:51.33	LZ	60.40	16	
PVRL	e P	18:02:13.09	SZ			
	IAMB	18:02:27.43	SZ	0.408	1.5	
	e PP	18:03:43.34	SZ			
MTE	e P	18:02:16.05	BZ			
	IAMB	18:02:28.29	BZ	0.886	1.1	
	e PP	18:03:40.87	BZ			
	e S	18:07:53.79	LE			
	e SS	18:10:18.82	LN			
	IAMs_20	18:21:21.09	LZ	73.14	18	
POLO	e P	18:02:15.89	BZ			
	IAMB	18:02:27.82	BZ	0.263	1.4	
	e PP	18:03:36.01	BZ			
PCBR	e P	18:02:16.58	SZ			
	IAMB	18:02:28.76	SZ	0.809	1.3	
	e PP	18:03:37.09	SZ			
PCAB	e P	18:02:18.33	SZ			
	IAMB	18:02:28.73	SZ	0.424	1.6	
	e PP	18:03:43.89	SZ			
PMRV	e P	18:02:16.85	BZ			
	IAMB	18:02:26.49	BZ	0.550	1.6	
	e PP	18:03:42.82	BZ			
	e S	18:07:54.83	LE			
	-	18:10:06.57	LE			
	e SS	18:10:28.29	LE			
	IAMs_20	18:18:36.90	LZ	74.96	18	
PBAR	e P	18:02:16.92	BZ			
	IAMB	18:02:28.90	BZ	0.724	1.8	
	e PP	18:03:38.23	BZ			
PVIS	e P	18:02:18.15	BZ			
	e PP	18:03:38.02	BZ			
PGAV	e P	18:02:18.06	BZ			
	IAMB	18:02:31.19	BZ	0.625	1.8	
	e PP	18:03:38.02	BZ			
	e S	18:07:59.24	LE			
	e SS	18:10:35.42	LE			
	IAMs_20	18:18:08.21	LZ	68.54	22	
PESTR	e P	18:02:18.79	BZ			
	IAMB	18:02:30.99	BZ	0.724	1.3	
	e PP	18:03:49.12	BZ			
PTO	e P	18:02:21.59	SZ			
	IAMB	18:02:33.63	SZ	0.491	1.4	
	e PP	18:03:42.25	SZ			
PSARD	e P	18:02:21.52	BZ			
	IAMB	18:02:33.62	BZ	0.641	1.6	
	e PP	18:03:44.92	BZ			
EVO	e P	18:02:22.76	BZ			
	IAMB	18:02:34.48	BZ	0.410	1.6	
	e PP	18:03:46.93	BZ			
PCAS	e P	18:02:23.15	BZ			
	IAMB	18:02:35.12	BZ	0.404	1.8	
	e PP	18:03:46.48	BZ			
PMTG	e P	18:02:22.87	BZ			
	IAMB	18:02:37.95	BZ	0.378	2.1	
	e PP	18:03:44.10	BZ			
PVAQ	e P	18:02:23.13	BZ			
	IAMB	18:02:36.17	BZ	1.458	1.4	
	e PP	18:03:44.61	BZ			
	e S	18:08:08.45	L1			
	e SS	18:10:47.16	L1			
	IAMs_20	18:17:36.74	LZ	38.94	24	
PCVE	e P	18:02:24.94	BZ			
	IAMB	18:02:37.69	BZ	0.972	1.4	
	e PP	18:03:50.00	BZ			
PBDV	e P	18:02:24.66	BZ			
	IAMB	18:02:38.14	BZ	1.923	1.4	
	e PP	18:03:47.49	BZ			
MESJ	e P	18:02:26.15	BZ			
	IAMB	18:02:38.53	BZ	0.457	1.7	
	e PP	18:03:53.59	BZ			
PSBE	e P	18:02:26.55	BZ			
	IAMB	18:02:38.28	BZ	0.887	1.4	
	e PP	18:03:56.66	BZ			
GGNV	e P	18:02:30.59	BZ			
	IAMB	18:02:43.07	BZ	1.692	1.4	

MORF	e P	18:02:28.66	BZ			
	IAMB	18:02:42.49	BZ	0.858	1.5	
	PP	18:03:52.83	BZ			
PMAFR	e P	18:02:30.75	BZ			
	IAMB	18:02:42.44	BZ	0.982	1.4	
	PP	18:03:57.67	BZ			
PFVI	e P	18:02:31.28	BZ			
	IAMB	18:02:41.13	BZ	1.504	1.3	
	PP	18:04:04.97	BZ			
PMPST	e P	18:03:30.71	BZ			
	IAMB	18:03:36.37	BZ	1.604	1.5	
PMPS	e P	18:03:31.21	EZ			
	IAMB	18:03:35.56	EZ	1.015	1.4	
PMAR	e P	18:03:33.95	BZ			
	IAMB	18:03:46.15	BZ	2.851	1.4	
FUL	e P	18:03:35.92	EZ			
	IAMB	18:03:43.16	EZ	1.029	1.1	
PMOZ	e P	18:03:37.67	BZ			
	IAMB	18:04:05.13	BZ	0.719	1.1	
	PP	18:05:23.66	BZ			
	S	18:10:23.58	LN			
	IAMS_20	18:27:03.10	LZ	35.45	20	

24-Jan Ho 19:51:36.4 ML 1.7
Lat 36.074°N Lon 10.250°W Prof 13*
Região: Gorringer Rms 0.3
AxMax 9.0 AxMin 6.1 Ang 79 ErrZ 0

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PFVI	e P	19:52:02.35		HZ		
	S	19:52:21.37		HE		
	IAML	19:52:27.35		HZ	0.010	0.7
MORF	e P	19:52:05.18		HZ		
	S	19:52:26.86		HE		
	IAML	19:52:27.65		HZ	0.007	0.3
PBDV	e P	19:52:10.74		HZ		
	S	19:52:36.81		HE		
PCVE	e S	19:52:41.34		HN		
PVAQ	e P	19:52:14.03		HZ		
	S	19:52:42.14		H1		
	IAML	19:52:44.57		HZ	0.004	0.5
MOE	e S	19:52:52.91		HE		
	IAML	19:52:55.58		HZ	0.003	0.9
PMAFR	e S	19:52:55.85		HN		
EVO	e S	19:52:56.50		HE		
	IAML	19:52:57.56		HZ	0.003	0.1
PBAR	e S	19:53:03.08		HE		
	IAML	19:53:06.48		HZ	0.001	0.4
PMTG	e S	19:53:04.50		HN		
	IAML	19:53:08.16		HZ	0.002	0.7
PSARD	e S	19:53:16.87		HN		
PMRV	e S	19:53:20.41		HN		

24-Jan Ho 22:56:05.3 Distante (NEIC) mb 5.5
Lat 31.999°N Lon 95.076°E Prof 10
Região: Xizang

Est	Fase	P h:m:s	Dur	Co	Amp	Per
MVO	e P	23:08:02.64		BZ		
	IAMB	23:08:04.05		BZ	0.061	1.0
	IAMS_20	23:48:19.92		LZ	0.212	20
PCAB	e P	23:08:05.18		SZ		
	IAMB	23:08:08.63		SZ	0.061	1.7
PGAV	e P	23:08:04.67		BZ		
	IAMB	23:08:07.06		BZ	0.049	2.5
POLO	e P	23:08:04.84		BZ		
PVRL	e P	23:08:04.80		SZ		
	IAMB	23:08:07.72		SZ	0.021	1.8
MTE	e P	23:08:07.38		BZ		
	IAMB	23:08:08.59		BZ	0.065	1.1
	IAMS_20	23:46:13.52		LZ	0.223	20
PVIS	e P	23:08:07.55		BZ		
PCBR	e P	23:08:08.25		SZ		
	IAMB	23:08:09.65		SZ	0.038	1.3
PTO	e P	23:08:08.43		SZ		
	IAMB	23:08:09.78		SZ	0.048	1.2
PMRV	e P	23:08:09.07		BZ		

	IAMB	23:08:12.97	BZ	0.048	1.6	
PCAS	e P	23:08:10.81	BZ			
	IAMB	23:08:14.62	BZ	0.050	1.7	
PSARD	e P	23:08:11.71	BZ			
	IAMB	23:08:12.48	BZ	0.065	1.0	
PBAR	e P	23:08:11.27	BZ			
	IAMB	23:08:12.82	BZ	0.064	1.4	
PESTR	e P	23:08:11.27	BZ			
	IAMB	23:08:15.17	BZ	0.039	1.4	
PMTG	e P	23:08:12.05	BZ			
	IAMB	23:08:16.85	BZ	0.036	1.4	
PSBE	e P	23:08:14.09	BZ			
	IAMB	23:08:15.60	BZ	0.067	1.2	
EVO	e P	23:08:14.14	BZ			
	IAMB	23:08:15.41	BZ	0.063	1.1	
PBEJ	e P	23:08:15.12	SZ			
	IAMB	23:08:18.85	SZ	0.037	1.6	
MOE	e P	23:08:15.32	BZ			
	IAMB	23:08:18.54	BZ	0.055	1.5	
PVAQ	e P	23:08:16.39	BZ			
MESJ	e P	23:08:17.19	BZ			
	IAMB	23:08:19.11	BZ	0.061	2.0	
PBDV	e P	23:08:17.86	BZ			
MORF	e P	23:08:19.78	BZ			
PFVI	e P	23:08:21.00	BZ			

25-Jan Ho 06:40:21.4 ML 1.9
Lat 36.950°N Lon 13.181°W Prof 15*
Região: Josephine Rms 0.3
AxMax 5.0 AxMin 4.4 Ang 54 ErrZ 0

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PFVI	e P	06:41:09.63		HZ		
	S	06:41:45.37		HE		
	IAML	06:41:47.34		HZ	0.002	0.1
MORF	e P	06:41:11.69		HZ		
	S	06:41:49.77		HE		
	IAML	06:41:56.18		HZ	0.004	0.3
PMAFR	e P	06:41:12.28		HZ		
	S	06:41:51.08		HE		
MESJ	e P	06:41:17.40		HZ		
	S	06:41:59.58		HE		
	IAML	06:42:06.56		HZ	0.002	0.3
MOE	e P	06:41:18.27		HZ		
	S	06:42:01.15		HE		
	IAML	06:42:03.41		HZ	0.002	0.1
PCVE	e P	06:41:18.88		HZ		
	S	06:42:01.88		HE		
PBDV	e P	06:41:19.84		HZ		
	S	06:42:03.74		HN		
	IAML	06:42:08.43		HZ	0.001	0.1
PSBE	e P	06:41:21.02		HZ		
	S	06:42:07.31		HE		
EVO	e P	06:41:21.93		HZ		
	S	06:42:06.64		HN		
	IAML	06:42:13.19		HZ	0.002	0.4
PVAQ	e P	06:41:22.31		HZ		
	S	06:42:06.87		H1		
	IAML	06:42:12.37		HZ	0.003	0.4
PMTG	e P	06:41:22.48		HZ		
	S	06:42:08.92		HN		
PSARD	e P	06:41:27.21		HZ		
	S	06:42:17.04		HE		
PCAS	e P	06:41:27.70		HZ		
	S	06:42:18.76		HN		
PESTR	e P	06:41:28.11		HZ		
	S	06:42:18.05		HN		
PBAR	e P	06:41:31.04		HZ		
	S	06:42:22.45		HN		
	IAML	06:42:26.27		HZ	0.002	0.8
PMRV	e P	06:41:32.58		HZ		
	S	06:42:26.38		HN		
POLO	e P	06:41:44.77		HZ		
	S	06:42:48.28		HE		
PGAV	e P	06:41:47.87		HZ		
	S	06:42:53.11		HN		

MVO	e P	06:41:49.03		HZ			
25-Jan Ho 11:32:25.6 ML 0.9							
		Lat 37.362°N	Lon 09.123°W	Prof 28			
		Região: W Aljezur		Rms 0.4			
		AxMax 11.8 AxMin 5.9 Ang 90 ErrZ 5					
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp</i>	<i>Per</i>	
PFVI	e Pg	11:32:32.75		HZ			
	e Sg	11:32:38.07		HN			
	IAML	11:32:38.80		HZ	0.003	0.1	
PTEO	e Pg	11:32:33.63		HZ			
	e Sg	11:32:39.45		HE			
	IAML	11:32:39.99		HZ	0.004	0.2	
MORF	e Pg	d 11:32:33.66		HZ			
	e Sg	11:32:39.32		HE			
	IAML	11:32:40.63		HZ	0.005	0.5	
MESJ	e P	11:32:40.50		HZ			
	e S	11:32:51.25		HE			
PCVE	e P	11:32:41.17		HZ			
	e S	11:32:52.48		HE			
	IAML	11:32:52.89		HZ	0.001	0.2	
PBDV	e S	11:32:55.06		HN			
PVAQ	e S	11:32:57.72		H2			
	IAML	11:32:58.48		HZ	0.002	0.6	
PBAR	e S	11:33:15.26		HE			
25-Jan Ho 11:56:34.2 ML 2.1							
		Lat 36.751°N	Lon 09.697°W	Prof 18			
		Região: SW Cabo S.Vicente		Rms 0.4			
		AxMax 4.9 AxMin 3.0 Ang 44 ErrZ 5					
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp</i>	<i>Per</i>	
PFVI	e P	11:56:48.82		HZ			
	e S	11:56:59.39		HE			
	IAML	11:57:00.46		HZ	0.044	0.2	
MORF	e P	c 11:56:51.79		HZ			
	e S	11:57:05.07		HE			
	IAML	11:57:07.36		HZ	0.041	0.1	
PBDV	e P	11:56:58.61		HZ			
	e S	11:57:16.85		HN			
	IAML	11:57:18.66		HZ	0.012	0.4	
PCVE	e P	11:57:00.05		HZ			
	e S	11:57:19.37		HN			
	IAML	11:57:21.36		HZ	0.016	0.6	
MESJ	e P	11:57:00.01		HZ			
	e S	11:57:19.49		HN			
	IAML	11:57:21.51		HZ	0.009	0.3	
PVAQ	e P	11:57:01.56		HZ			
	e S	11:57:21.76		H1			
	IAML	11:57:23.78		HZ	0.017	0.1	
PBEJ	e P	11:57:04.29		EZ			
	e S	11:57:26.99		EN			
	IAML	11:57:29.21		EZ	0.008	0.2	
MOE	e P	11:57:06.52		HZ			
	e S	11:57:31.00		HN			
	IAML	11:57:32.24		HZ	0.006	0.2	
EVO	e P	11:57:08.26		HZ			
	e S	11:57:34.12		HN			
	IAML	11:57:34.89		HZ	0.019	0.1	
PMAFR	e P	11:57:08.04		HZ			
	e S	11:57:34.70		HE			
	IAML	11:57:36.53		HZ	0.017	0.2	
PBAR	e P	11:57:13.37		HZ			
	e S	11:57:41.89		HN			
	IAML	11:57:44.07		HZ	0.007	0.2	
PMTG	e P	11:57:13.69		HZ			
	e S	11:57:42.61		HN			
	IAML	11:57:44.65		HZ	0.006	0.2	
PESTR	e P	11:57:14.49		HZ			
	e S	11:57:45.34		HN			
	IAML	11:57:47.13		HZ	0.003	0.2	
PSBE	e P	11:57:16.96		HZ			
	e S	11:57:50.16		HE			
PSARD	e P	11:57:20.44		HZ			
	e S	11:57:54.51		HN			
	IAML	11:57:56.87		HZ	0.006	0.1	

PMRV	e P	11:57:22.12		HZ			
	e S	11:57:57.75		HN			
	IAML	11:58:00.55		HZ	0.003	0.2	
PCAS	e P	11:57:24.94		HZ			
	e S	11:58:03.22		HE			
	IAML	11:58:06.10		HZ	0.002	0.4	
PCBR	e P	11:57:26.81		EZ			
	e S	11:58:06.11		EN			
POLO	e P	11:57:44.17		HZ			
	e S	11:58:37.28		HE			
	IAML	11:58:39.69		HZ	0.001	0.2	
MVO	e P	11:57:44.16		HZ			
PGAV	e P	11:57:50.34		HZ			
	e S	11:58:48.49		HN			
25-Jan Ho 14:56:51.5 ML 1.4							
		Lat 42.241°N	Lon 07.955°W	Prof 1			
		Região: SW Ourense (ESP)		Rms 0.4			
		AxMax 3.4 AxMin 3.4 Ang 90 ErrZ 7					
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp</i>	<i>Per</i>	
PGAV	i Pg	c 14:56:58.36		HZ			
	e Sg	14:57:03.17		HN			
	IAML	14:57:03.31		HZ	0.017	0.1	
PCAB	e Pg	d 14:57:01.52		EZ			
	e Sg	14:57:08.18		EE			
	IAML	14:57:09.40		EZ	0.024	0.3	
PVRL	e P	14:57:09.83		SZ			
	e S	14:57:22.53		SN			
	IAML	14:57:23.97		SZ	0.013	0.1	
MVO	e P	14:57:14.32		HZ			
	e S	14:57:31.74		HE			
	IAML	14:57:33.63		HZ	0.003	0.1	
PVIS	e S	14:57:38.96		HE			
MTE	e Sn	14:57:47.08		HN			
PSARD	e Sg	14:58:14.52		HN			
	IAML	14:58:18.61		HZ	0.003	0.3	
25-Jan Ho 16:30:11.0 Distante (NEIC) Mw 5.1							
		Lat 38.346°N	Lon 39.125°E	Prof 10			
		Região: Turkey					
<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 P	16:37:05.97		BZ			
	IAMB	16:37:09.36		BZ	0.018	1.5	
	e S	16:42:46.33		LE			
	IAMs_20	16:55:35.20		LZ	0.299	16	
MTE	e P	16:37:10.84		BZ			
	IAMB	16:37:14.59		BZ	0.049	1.3	
	IAMs_20	16:56:11.47		LZ	0.374	18	
POLO	e P	16:37:09.84		BZ			
	IAMB	16:37:13.28		BZ	0.012	1.6	
PCBR	e P	16:37:11.04		SZ			
	IAMB	16:37:15.08		SZ	0.043	1.6	
PMRV	e P	16:37:11.20		BZ			
	IAMB	16:37:15.35		BZ	0.027	1.5	
	IAMs_20	16:53:20.69		LZ	0.392	18	
PBAR	e P	16:37:11.60		BZ			
	IAMB	16:37:15.51		BZ	0.037	1.9	
PVIS	e P	16:37:12.67		BZ			
PGAV	e P	16:37:14.32		BZ			
	IAMB	16:37:16.75		BZ	0.032	1.5	
	e S	16:43:18.20		LE			
	IAMs_20	16:55:19.86		LZ	0.298	18	
PESTR	e P	16:37:13.16		BZ			
	IAMB	16:37:17.44		BZ	0.047	1.3	
PSARD	e P	16:37:16.16		BZ			
	IAMB	16:37:19.98		BZ	0.034	1.7	
PBEJ	e P	16:37:17.75		SZ			
	IAMB	16:37:21.52		SZ	0.049	1.4	
PMTG	e P	16:37:17.50		BZ			
	IAMB	16:37:21.83		BZ	0.025	1.7	
PVAQ	e P	16:37:17.92		BZ			
	IAMB	16:37:21.82		BZ	0.097	1.6	
	e S	16:43:01.87		L2			
	IAMs_20	16:54:23.79		LZ	0.189	18	

MOE	e P	16:37:20.01	BZ			
	IAMB	16:37:24.18	BZ	0.043	2.0	
PCVE	e P	16:37:19.31	BZ			
	IAMB	16:37:23.38	BZ	0.072	1.4	
PBDV	e P	16:37:20.45	BZ			
PFVI	e P	16:37:26.59	BZ			

25-Jan

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PVAQ	e Pn	17:19:21.70	HZ			
	e Sn	17:19:45.74	H1			
	e Sg	17:19:54.57	H2			
PBAR	e Sg	17:19:49.62	HN			

25-Jan Ho 18:32:29.8 ML 1.3
Lat 36.471°N Lon 07.893°W Prof 21
Região: Golfo de Cádiz Rms 0.4
AxMax 11.5 AxMin 9.3 Ang 109 ErrZ 8

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PBDV	e P	18:32:44.00	HZ			
	e S	18:32:54.35	HN			
	IAML	18:32:58.40	HZ	0.004	0.2	
PVAQ	e P	18:32:46.39	HZ			
	e S	18:32:58.32	H1			
	IAML	18:32:58.96	HZ	0.007	0.3	
PFVI	e P	18:32:46.64	HZ			
MORF	e P	18:32:47.13	HZ			
PCVE	e P	18:32:49.74	HZ			
	e S	18:33:04.14	HN			
	IAML	18:33:05.15	HZ	0.004	0.5	
MESJ	e P	18:32:53.07	HZ			
	e S	18:33:09.76	HN			
	IAML	18:33:10.52	HZ	0.003	0.2	
PBAR	e S	18:33:19.48	HE			
PMTG	e P	18:33:09.22	HZ			
	e S	18:33:39.31	HE			
	IAML	18:33:41.01	HZ	0.001	0.1	
PMAFR	e P	18:33:11.72	HZ			
PSARD	e P	18:33:16.77	HZ			

25-Jan Ho 19:05:07.0 ML 1.6
Lat 36.945°N Lon 05.270°W Prof 16
Região: SE Sevilha (ESP) Rms 0.5
AxMax 3.4 AxMin 2.6 Ang 166 ErrZ 4

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PBAR	e Pn	19:05:36.61	HZ			
	e Sg	19:06:04.52	HN			
	IAML	19:06:08.59	HZ	0.003	0.4	
PVAQ	e Pn	19:05:38.67	HZ			
	e Sn	19:06:02.67	H1			
	IAML	19:06:09.06	HZ	0.003	0.7	
	e Sg	19:06:10.17	H2			
PBDV	e Pn	19:05:41.05	HZ			
	e Sn	19:06:06.44	HE			
PCVE	e Pn	19:05:42.95	HZ			
	e Sg	19:06:18.28	HN			
	IAML	19:06:24.84	HZ	0.002	0.6	
PESTR	e Sn	19:06:19.57	HE			
	e Sg	19:06:30.55	HE			
	IAML	19:06:32.56	HZ	0.002	0.4	
PFVI	e Sn	19:06:23.93	HN			
PARRA	e Pn	19:05:52.13	HZ			
	e Sn	19:06:25.17	HN			
	e Sg	19:06:34.98	HN			
	IAML	19:06:43.66	HZ	0.002	0.5	
MOE	e Sn	19:06:26.15	HE			
	IAML	19:06:39.54	HZ	0.003	0.5	
PMRV	e Sn	19:06:26.89	HE			
	e Sg	19:06:38.24	HN			
	IAML	19:06:43.87	HZ	0.002	0.9	
PMTG	e Pn	19:05:55.37	HZ			
	e Sn	19:06:32.32	HE			
PSARD	e Pn	19:06:00.09	HZ			
	e Sn	19:06:39.87	HN			
	IAML	19:06:59.67	HZ	0.004	0.2	

25-Jan Ho 19:22:59.0 Distante (NEIC) Mw 5.0
Lat 24.147°S Lon 66.998°W Prof 177
Região: Salta Province, Argentina

Est	Fase	P h:m:s	Dur	Co	Amp	Per
MORF	e P	19:34:58.75		BZ		
PSBE	e P	19:35:06.13		BZ		
PARRA	e P	19:35:07.43		BZ		
PMTG	e P	19:35:07.35		BZ		
PBAR	e P	19:35:07.81		BZ		
PESTR	e P	19:35:08.98		BZ		
PCAS	e P	19:35:08.46		BZ		
PMRV	e P	19:35:11.41		BZ		
PCBR	e P	19:35:12.19		SZ		
PVIS	e P	19:35:13.16		BZ		
MTE	e P	19:35:13.99		BZ		
PVRL	e P	19:35:16.02		SZ		
POLO	e P	19:35:15.40		BZ		
PCAB	e P	19:35:15.96		SZ		
MVO	e P	19:35:17.35		BZ		

25-Jan Ho 20:20:38.0 Distante (IPMA) Prof 10
Lat 17.970°N Lon 66.730°W
Região: Puerto Rico Region

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PMOZ	P	20:29:09.10		HZ		
	IAMs_20	21:10:07.80		LZ	0.479	20
PFVI	e P	20:30:02.58		BZ		
MORF	e P	20:30:02.91		BZ		
PSBE	e P	20:30:02.17		BZ		
	IAMB	20:30:02.76		BZ	0.050	1.3
MOE	e P	20:30:06.18		BZ		
	IAMB	20:30:07.40		BZ	0.028	1.4
PCAS	e P	20:30:06.04		BZ		
	IAMB	20:30:07.90		BZ	0.038	1.6
MESJ	e P	20:30:06.42		BZ		
	IAMB	20:30:08.35		BZ	0.035	1.4
PTO	e P	20:30:06.01		SZ		
	IAMB	20:30:07.62		SZ	0.031	1.8
PMTG	e P	20:30:06.56		BZ		
	IAMB	20:30:08.68		BZ	0.037	1.4
PCVE	e P	20:30:07.14		BZ		
PBDV	e P	20:30:08.34		BZ		
	IAMB	20:30:10.23		BZ	0.105	1.7
PSARD	e P	20:30:07.31		BZ		
	IAMB	20:30:08.41		BZ	0.028	1.6
EVO	e P	20:30:07.07		BZ		
	IAMB	20:30:08.38		BZ	0.032	1.0
PARRA	e P	20:30:07.86		BZ		
	IAMB	20:30:08.91		BZ	0.047	1.3
PBEJ	e P	20:30:08.83		SZ		
	IAMB	20:30:10.32		SZ	0.039	1.7
PVAQ	e P	20:30:08.87		BZ		
	IAMB	20:30:10.59		BZ	0.048	1.5
	IAMs_20	20:58:22.95		LZ	0.414	20
PGAV	e P	20:30:08.05		BZ		
	IAMB	20:30:09.85		BZ	0.029	1.4
	IAMs_20	21:01:17.39		LZ	0.553	18
PVIS	e P	20:30:09.55		BZ		
PCAB	e P	20:30:09.37		SZ		
	IAMB	20:30:11.33		SZ	0.036	1.9
PESTR	e P	20:30:10.17		BZ		
	IAMB	20:30:11.70		BZ	0.033	1.2
POLO	e P	20:30:10.88		BZ		
	IAMB	20:30:12.04		BZ	0.018	1.3
PVRL	e P	20:30:11.80		SZ		
	IAMB	20:30:12.97		SZ	0.046	1.5
PCBR	e P	20:30:11.37		SZ		
	IAMB	20:30:12.51		SZ	0.024	1.6
MTE	e P	20:30:11.65		BZ		
	IAMB	20:30:12.50		BZ	0.036	1.1
	IAMs_20	21:03:04.27		LZ	0.500	18
PMRV	e P	20:30:10.90		BZ		
	IAMB	20:30:12.62		BZ	0.026	1.1
	IAMs_20	21:07:24.19		LZ	0.607	18

PBAR	e P	20:30:12.44	BZ		
	IAMB	20:30:18.93	BZ	0.024	1.7
MVO	e P	20:30:14.77	BZ		
	IAMB	20:30:16.11	BZ	0.046	0.9
	IAMS_20	21:03:40.45	LZ	0.547	18

26-Jan	Ho	01:12:29.9			ML 1.5
	Lat	37.030°N	Lon	05.185°W	Prof 11
	Região: SE Sevilha (ESP)				Rms 0.5
	AxMax	3.5	AxMin	3.1	Ang 54
					ErrZ 5
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp Per</i>
PBAR	e Pn	01:12:59.87		HZ	
	e Pg	01:13:05.19		HZ	
	e Sn	01:13:23.35		HN	
	e Sg	01:13:28.20		HN	
	IAML	01:13:34.74		HZ	0.002 0.3
PVAQ	e Pn	01:13:02.78		HZ	
	e Sn	01:13:27.90		H1	
	IAML	01:13:33.79		HZ	0.002 0.7
	e Sg	01:13:35.20		H1	
PBDV	e Pn	01:13:05.35		HZ	
	e Pg	01:13:10.89		HZ	
	e Sn	01:13:31.71		HE	
	e Sg	01:13:40.19		HN	
	IAML	01:13:43.62		HZ	0.003 0.9
PCVE	e Sg	01:13:44.73		HN	
MESJ	e Sn	01:13:42.36		HN	
	e Sg	01:13:52.71		HN	
	IAML	01:13:53.04		HZ	0.002 0.6
EVO	e Sn	01:13:42.42		HN	
	e Sg	01:13:54.36		HN	
MORF	e Pg	01:13:20.89		HZ	
	e Sn	01:13:46.89		HE	
	IAML	01:13:51.31		HZ	0.002 0.8
	e Sg	01:13:58.61		HN	
PARRA	e Pn	01:13:14.08		HZ	
	e Pg	01:13:23.98		HZ	
	e Sn	01:13:48.05		HN	
	e Sg	01:13:58.30		HE	
	IAML	01:14:10.28		HZ	0.001 0.9
PFVI	e Pn	01:13:15.29		HZ	
	e Sn	01:13:49.32		HN	
	IAML	01:13:51.50		HZ	0.004 0.7
MOE	e Sn	01:13:48.38		HN	
	e Sg	01:13:59.15		HN	
PMRV	e Pn	01:13:14.58		HZ	
	e Sn	01:13:50.72		HN	
	e Sg	01:14:02.76		HN	
	IAML	01:14:08.96		HZ	0.001 0.4
PMTG	e Pn	01:13:19.08		HZ	
	e Sn	01:13:55.39		HE	
	e Sg	01:14:06.06		HE	
	IAML	01:14:09.39		HZ	0.001 0.7
PSARD	e Pn	01:13:23.27		HZ	
	e Sn	01:14:02.87		HE	
	e Sg	01:14:18.68		HE	
	IAML	01:14:24.48		HZ	0.002 0.6

26-Jan	Est	Fase	P h:m:s	Dur	Co	Amp	Per
	PFVI	e P	01:39:15.84		HZ		
		e S	01:39:23.11		HN		
		IAML	01:39:27.81		HZ	0.004	0.7
	MORF	e P	01:39:17.81		HZ		
		e S	01:39:25.81		HN		
		IAML	01:39:27.38		HZ	0.003	0.8
	PBDV	e S	01:39:28.04		HE		
		IAML	01:39:31.89		HZ	0.003	0.7
	PVAQ	e S	01:39:36.65		H1		

26-Jan	Ho	02:20:59.1				ML	1.7	
	Lat	38.513°N		Lon	06.959°W	Prof	2*	
	Região: SE Olivença					Rms	0.4	
	AxMax	2.4	AxMin	1.8	Ang	64	ErrZ	0
Est	Fase	P h:m:s		Dur	Co	Amp		Per
PBAR	i Pg	c 02:21:05.83			HZ			
	e Sg	02:21:09.98			HN			
	IAML	02:21:10.32			HZ	0.090	0.2	
PESTR	e P	02:21:10.69			HZ			
	e S	02:21:18.56			HN			
	IAML	02:21:20.35			HZ	0.010	0.1	
EVO	e P	02:21:14.35			HZ			
	e S	02:21:25.03			HE			
	IAML	02:21:27.03			HZ	0.023	0.2	
PBEJ	e P	02:21:14.43			EZ			
	e S	02:21:25.30			EE			
	IAML	02:21:27.59			EZ	0.011	0.1	
PARRA	e P	02:21:15.60			HZ			
	e S	02:21:27.47			HE			
	IAML	02:21:28.82			HZ	0.015	0.3	
PMRV	e P	02:21:18.11			HZ			
	e S	02:21:30.76			HE			
	IAML	02:21:32.79			HZ	0.009	0.2	
MOE	e P	02:21:18.97			HZ			
	e S	02:21:32.56			HE			
	IAML	02:21:33.72			HZ	0.024	0.3	
PMTG	e P	02:21:19.87			HZ			
	e S	02:21:34.64			HE			
	IAML	02:21:35.82			HZ	0.009	0.2	
MESJ	e P	d	02:21:20.61		HZ			
	e S		02:21:35.71		HE			
	IAML		02:21:37.14		HZ	0.007	0.4	
PCVE	e P	02:21:21.40			HZ			
	e S	02:21:36.69			HN			
	IAML	02:21:37.50			HZ	0.014	0.4	
PVAQ	e P	02:21:21.97			HZ			
	e S	02:21:37.66			H1			
	IAML	02:21:40.47			HZ	0.006	0.2	
PCBR	e P	02:21:25.07			EZ			
	e S	02:21:42.82			EN			
	IAML	02:21:45.03			EZ	0.007	0.5	
PSARD	e P	02:21:25.49			HZ			
	e S	02:21:44.25			HN			
	IAML	02:21:45.15			HZ	0.014	0.3	
PBDV	e Pn	02:21:25.71			HZ			
	e Sn	02:21:45.12			HE			
	IAML	02:21:50.86			HZ	0.004	0.7	
PSBE	e Pn	02:21:29.05			HZ			
	e Sn	02:21:50.77			HE			
	IAML	02:21:51.28			HZ	0.004	0.6	
MORF	e Pg	02:21:32.10			HZ			
	IAML	02:21:54.31			HZ	0.002	0.2	
	e Sg	02:21:54.97			HE			
PMAFR	e Pn	02:21:31.25			HZ			
	e Sg	02:21:56.69			HE			
	IAML	02:22:02.17			HZ	0.006	0.7	
MTE	e Pg	02:21:36.35			HZ			
	e Sg	02:21:59.88			HE			
	IAML	02:22:02.81			HZ	0.004	0.4	
PCAS	e Pg	02:21:35.45			HZ			
	e Sg	02:22:00.79			HN			
	IAML	02:22:06.98			HZ	0.002	0.5	
PFVI	e Sg	02:21:59.67			HE			
	IAML	02:22:12.87			HZ	0.005	0.9	
MVO	e Pn	02:21:42.21			HZ			
	e Pg	02:21:49.71			HZ			
	e Sn	02:22:13.38			HE			
	e Sg	02:22:22.83			HN			
	IAML	02:22:27.58			HZ	0.002	0.5	
PVRL	e Sg	02:22:29.24			SN			
POLO	e Pg	02:21:53.92			HZ			
	e Sn	02:22:18.23			HN			
	e Sg	02:22:31.38			HE			
	IAML	02:22:34.51			HZ	0.001	0.4	

PGAV e Sn 02:22:33.78 HN
e Sg 02:22:53.53 HN

26-Jan

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PBAR	e P	02:21:57.22		HZ		
	e S	02:22:01.80		HN		
	IAML	02:22:02.06		HZ	0.022	0.3
PESTR	e S	02:22:11.14		HN		
	IAML	02:22:12.02		HZ	0.002	0.3
EVO	e S	02:22:16.51		HN		
	IAML	02:22:18.76		HZ	0.005	0.2
PBEJ	e S	02:22:17.10		EN		
	IAML	02:22:19.43		EZ	0.002	0.3
PARRA	e S	02:22:18.99		HE		
	IAML	02:22:20.59		HZ	0.003	0.3
PMRV	e S	02:22:22.98		HE		
	IAML	02:22:23.71		HZ	0.002	0.2
MOE	e S	02:22:24.35		HN		
	IAML	02:22:25.46		HZ	0.006	0.3
PMTG	e S	02:22:26.96		HE		
	IAML	02:22:27.00		HZ	0.002	0.6
MESJ	e S	02:22:27.53		HE		
	IAML	02:22:28.89		HZ	0.002	0.4
PCVE	e S	02:22:28.79		HE		
	IAML	02:22:29.27		HZ	0.003	0.4
PVAQ	e S	02:22:29.28		H2		
	IAML	02:22:32.02		HZ	0.002	0.5
PSARD	e S	02:22:36.48		HE		
	IAML	02:22:36.82		HZ	0.002	0.3

26-Jan

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PBAR	e P	02:21:43.96		HZ		
	e S	02:21:45.12		HN		
	IAML	02:21:45.37		HZ	0.018	0.3
PESTR	e P	02:21:45.74		HZ		
	e S	02:21:54.59		HE		
EVO	e S	02:22:00.84		HE		
PARRA	e S	02:22:02.21		HN		
	IAML	02:22:03.29		HZ	0.003	0.4
MOE	e S	02:22:08.10		HN		
	IAML	02:22:08.62		HZ	0.004	0.3
PVAQ	e S	02:22:12.67		H2		

26-Jan Ho 02:22:48.8 Distante (NEIC) mb 4.4
Lat 38.195°N Lon 38.801°E Prof 10
Região: Turkey

Est	Fase	P h:m:s	Dur	Co	Amp	Per
MTE	e P	02:29:46.32		BZ		
	IAMB	02:29:49.72		BZ	0.019	1.3
PCBR	e P	02:29:47.11		SZ		
	IAMB	02:29:52.88		SZ	0.016	1.5
PBAR	e P	02:29:47.40		BZ		
	IAMB	02:29:48.77		BZ	0.013	1.3
PVIS	e P	02:29:48.13		BZ		
PESTR	e P	02:29:49.72		BZ		
	IAMB	02:29:51.24		BZ	0.017	1.7
PMTG	e P	02:29:52.96		BZ		
	IAMB	02:30:11.41		BZ	0.014	1.7
PVAQ	e P	02:29:51.99		BZ		
	IAMB	02:29:54.19		BZ	0.034	1.8
PCVE	e P	02:29:55.95		BZ		
	IAMB	02:29:57.74		BZ	0.019	1.6
PBDV	e P	02:29:55.28		BZ		
	IAMB	02:29:57.64		BZ	0.042	1.4

26-Jan Ho 02:32:57.7 ML 2.5
Lat 37.125°N Lon 13.936°W Prof 24*
Região: Josephine Rms 0.5
AxMax 6.3 AxMin 4.9 Ang 91 ErrZ 0

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PFVI	e P	02:33:53.79		HZ		
	e S	02:34:35.84		HN		
	IAML	02:34:37.86		HZ	0.007	0.2

PMAFR	e P	02:33:54.60		HZ		
	e S	02:34:37.02		HN		
	IAML	02:34:41.58		HZ	0.022	0.2
PTEO	e P	02:33:56.14		HZ		
	e S	02:34:38.37		HE		
	IAML	02:34:44.94		HZ	0.008	0.5
MORF	e P	02:33:56.39		HZ		
	e S	02:34:40.12		HN		
	IAML	02:34:46.53		HZ	0.008	0.1
MESJ	e P	02:34:01.22		HZ		
	e S	02:34:48.40		HE		
	IAML	02:34:53.89		HZ	0.006	0.4
MOE	e P	02:34:01.64		HZ		
	e S	02:34:49.63		HE		
	IAML	02:34:54.82		HZ	0.010	0.2
PSBE	e P	02:33:59.97		HZ		
	e S	02:34:50.57		HE		
	IAML	02:34:54.14		HZ	0.006	0.7
PCVE	e P	02:34:04.08		HZ		
	e S	02:34:51.66		HE		
	IAML	02:34:54.31		HZ	0.003	0.8
PBDV	e S	02:34:53.63		HE		
	IAML	02:35:01.96		HZ	0.005	0.2
EVO	e P	02:34:05.33		HZ		
	e S	02:34:56.44		HE		
	IAML	02:34:59.07		HZ	0.012	0.1
PBEJ	e P	02:34:06.82		EZ		
	e S	02:34:55.69		EN		
	IAML	02:34:59.97		EZ	0.004	0.2
PMTG	e P	02:34:04.97		HZ		
	e S	02:34:55.95		HE		
	IAML	02:35:03.33		HZ	0.005	0.3
PARRA	e P	02:34:05.78		HZ		
	e S	02:34:57.04		HN		
	IAML	02:35:01.52		HZ	0.006	0.2
PVAQ	e P	02:34:06.80		HZ		
	e S	02:34:57.50		H2		
	IAML	02:35:03.21		HZ	0.006	0.3
PCAS	e P	02:34:08.74		HZ		
	e S	02:35:02.96		HE		
	IAML	02:35:08.19		HZ	0.002	0.3
PSARD	e P	02:34:09.18		HZ		
	e S	02:35:02.82		HE		
	IAML	02:35:08.18		HZ	0.009	0.2
PESTR	e P	02:34:11.64		HZ		
	e S	02:35:05.83		HE		
	IAML	02:35:08.52		HZ	0.003	0.4
PBAR	e P	02:34:15.83		HZ		
	e S	02:35:12.32		HE		
	IAML	02:35:20.79		HZ	0.002	0.2
PMRV	e P	02:34:15.24		HZ		
	e S	02:35:13.42		HE		
	IAML	02:35:16.90		HZ	0.005	0.3
PCBR	e P	02:34:17.29		EZ		
	e S	02:35:17.08		EE		
	IAML	02:35:19.49		EZ	0.002	0.7
PVIS	e S	02:35:21.24		HN		
MTE	e P	02:34:19.74		HZ		
	e S	02:35:22.71		HE		
	IAML	02:35:24.97		HZ	0.003	0.1
PVRL	e S	02:35:31.48		SN		
POLO	e P	02:34:25.55		HZ		
	e S	02:35:32.10		HE		
	IAML	02:35:45.21		HZ	0.001	0.7
PCAB	e S	02:35:33.75		EE		
PGAV	e P	02:34:27.50		HZ		
	e S	02:35:35.11		HN		
	IAML	02:35:43.81		HZ	0.002	0.9
MVO	e P	02:34:29.79		HZ		
	e S	02:35:39.35		HN		
	IAML	02:35:43.35		HZ	0.002	0.2

26-Jan	Ho	02:37:18.8			ML 1.5
	Lat	36.944°N	Lon	05.277°W	Prof 11
	Região: SE Sevilha (ESP)				Rms 0.5
	AxMax	3.4	AxMin	3.0	Ang 67
					ErrZ 5
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp Per</i>
PVAQ	e Pn	02:37:50.78		HZ	
	e Sn	02:38:14.78		H1	
	e Sg	02:38:22.38		H2	
	IAML	02:38:31.15		HZ	0.002 0.6
PBDV	e Pn	02:37:53.25		HZ	
	e Sn	02:38:18.82		HE	
	e Sg	02:38:27.76		HE	
	IAML	02:38:39.75		HZ	0.002 0.8
PCVE	e Pn	02:37:55.04		HZ	
MESJ	e Pn	02:37:57.90		HZ	
	e Sg	02:38:38.26		HE	
	IAML	02:38:39.97		HZ	0.001 0.4
PESTR	e Sn	02:38:31.49		HE	
	e Sg	02:38:39.50		HE	
	IAML	02:38:45.17		HZ	0.002 1.0
PFVI	e Pn	02:38:02.67		HZ	
	e Sn	02:38:36.33		HN	
PARRA	e Pg	02:38:11.06		HZ	
	e Sn	02:38:37.76		HE	
	e Sg	02:38:47.12		HN	
	IAML	02:39:04.35		HZ	0.001 0.7
MOE	e Sg	02:38:53.91		HN	
PMRV	e Pn	02:38:05.99		HZ	
	e Sn	02:38:39.43		HN	
	e Sg	02:38:50.58		HE	
	IAML	02:39:00.86		HZ	0.001 0.4
PMTG	e Sg	02:38:58.91		HN	
PSARD	e Pn	02:38:12.54		HZ	
	e Sn	02:38:51.59		HN	
	e Sg	02:39:06.28		HN	
	IAML	02:39:12.02		HZ	0.002 0.3

26-Jan	Ho	03:57:21.5	Distante (NEIC)	Mw 5.3
	Lat	51.149°N	Lon	179.998°W
	Região: Andeanof Islands, Aleutian Is.			
	AxMax	4.7	AxMin	2.0
				Ang 88
				ErrZ 0
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>
PGAV	e P	04:10:08.03		BZ
	IAMB	04:10:10.82		BZ
	e LR	04:39:16.25		LZ
	IAMS_20	04:52:01.76		LZ
PCAB	e P	04:10:03.58		SZ
	IAMB	04:10:17.25		SZ
POLO	e P	04:10:05.94		BZ
	IAMB	04:10:06.52		BZ
PVRL	e P	04:10:05.75		SZ
	IAMB	04:10:06.98		SZ
PTO	e P	04:10:02.48		SZ
	IAMB	04:10:24.18		SZ
MVO	e P	04:10:06.41		BZ
	IAMB	04:10:23.74		BZ
	e LR	04:39:33.42		LZ
	IAMS_20	04:52:53.25		LZ
PVIS	e P	04:10:07.98		BZ
MTE	e P	04:10:09.92		BZ
	IAMB	04:10:11.12		BZ
	e LR	04:39:24.44		LZ
	IAMS_20	04:52:18.60		LZ
PCAS	e P	04:10:10.86		BZ
	IAMB	04:10:12.26		BZ
PCBR	e P	04:10:12.62		SZ
	IAMB	04:10:13.34		SZ
PSARD	e P	04:10:12.97		BZ
	IAMB	04:10:14.13		BZ
PSBE	e P	04:10:10.79		BZ
	IAMB	04:10:21.34		BZ
PMRV	e P	04:10:14.02		BZ
	IAMB	04:10:32.89		BZ
PMTG	e P	04:10:15.52		BZ
	IAMB	04:10:16.47		BZ
PMAFR	e P	04:10:14.83		BZ

	IAMB	04:10:33.95		BZ	0.094 1.4
PESTR	e P	04:10:16.21		BZ	
	IAMB	04:10:17.83		BZ	0.036 1.2
PARRA	e P	04:10:16.67		BZ	
	IAMB	04:10:31.71		BZ	0.025 1.4
MOE	e P	04:10:18.39		BZ	
	IAMB	04:10:37.55		BZ	0.033 1.7
EVO	e P	04:10:18.19		BZ	
	IAMB	04:10:19.27		BZ	0.016 1.1
PBAR	e P	04:10:20.29		BZ	
	IAMB	04:10:38.89		BZ	0.049 1.6
PBEJ	e P	04:10:21.09		SZ	
	IAMB	04:10:21.81		SZ	0.023 1.2
PCVE	e P	04:10:22.92		BZ	
	IAMB	04:10:30.14		BZ	0.018 1.7
PVAQ	e P	04:10:24.33		BZ	
	IAMB	04:10:24.93		BZ	0.046 1.5
	e LR	04:41:39.89		LZ	
	IAMS_20	04:57:17.00		LZ	0.614 18
MORF	e P	04:10:23.75		BZ	
	IAMB	04:10:43.30		BZ	0.040 1.5
PBDV	e P	04:10:24.54		BZ	
	IAMB	04:10:30.98		BZ	0.034 1.6
PMOZ	IAMS_20	04:54:57.75		LZ	0.461 18

26-Jan	Ho	04:57:43.1			ML 0.6
	Lat	37.383°N	Lon	08.868°W	Prof 5*
	Região: NW Aljezur				Rms 0.3
	AxMax	4.7	AxMin	2.0	Ang 88
					ErrZ 0
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp Per</i>
MORF	e Pg	04:57:46.74		HZ	
	e Sg	04:57:49.03		HE	
	IAML	04:57:49.35		HZ	0.008 0.3
PFVI	e Pg	04:57:47.99		HZ	
	e Sg	04:57:51.14		HN	
	IAML	04:57:51.34		HZ	0.004 0.5
PBDV	e Pg	04:57:58.17		HZ	
	e Sg	04:58:07.19		HN	
	IAML	04:58:09.12		HZ	0.004 0.7
PVAQ	e P	04:58:00.57		HZ	
	e S	04:58:12.62		H2	
	IAML	04:58:14.02		HZ	0.002 0.6
MOE	e P	04:58:07.83		HZ	
	e S	04:58:22.08		HE	
	IAML	04:58:22.79		HZ	0.002 0.6
PARRA	e Sg	04:58:33.01		HE	
PBAR	e Sn	04:58:30.77		HN	
PMTG	e Sn	04:58:34.34		HN	
	e Sg	04:58:38.91		HN	

26-Jan	Ho	06:01:30.1			ML 1.9
	Lat	36.891°N	Lon	13.604°W	Prof 38*
	Região: Josephine				Rms 0.4
	AxMax	10.6	AxMin	9.7	Ang 158
					ErrZ 0
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp Per</i>
PFVI	e P	06:02:23.33		HZ	
	e S	06:03:03.02		HE	
	IAML	06:03:13.72		HZ	0.004 0.7
MORF	e P	06:02:25.62		HZ	
	e S	06:03:06.13		HE	
	IAML	06:03:09.51		HZ	0.002 0.3
PMAFR	e P	06:02:25.32		HZ	
	e S	06:03:06.28		HE	
	IAML	06:03:12.70		HZ	0.005 0.9
MESJ	e S	06:03:16.61		HE	
	IAML	06:03:18.75		HZ	0.001 0.6
MOE	e P	06:02:31.88		HZ	
	e S	06:03:18.16		HE	
	IAML	06:03:22.98		HZ	0.001 0.3
PCVE	e S	06:03:19.15		HE	
PBDV	e S	06:03:21.89		HE	
	IAML	06:03:24.68		HZ	0.003 0.7
PSBE	e P	06:02:31.58		HZ	
	e S	06:03:21.92		HE	
EVO	e S	06:03:24.25		HN	

PVAQ	e S	06:03:25.04	H1			
	IAML	06:03:33.23	HZ	0.001	0.5	
PMTG	e P	06:02:35.71	HZ			
	e S	06:03:24.16	HN			
	IAML	06:03:26.10	HZ	0.001	0.7	
PARRA	e P	06:02:35.90	HZ			
	e S	06:03:26.01	HE			
	IAML	06:03:42.69	HZ	0.001	0.6	
PSARD	e P	06:02:40.76	HZ			
	e S	06:03:33.26	HE			
	IAML	06:03:41.80	HZ	0.001	1.0	
PESTR	e S	06:03:34.72	HE			
	IAML	06:03:38.49	HZ	0.001	0.7	
PBAR	e S	06:03:40.93	HE			
PMRV	e P	06:02:46.26	HZ			
	e S	06:03:43.20	HN			
PGAV	e P	06:02:59.86	HZ			
	e S	06:04:05.09	HE			

26-Jan Ho 06:31:57.4 Distante (NEIC) Mw 6.1
Lat 51.346°N Lon 179.917°W Prof 27
Região: Andreanof Islands, Aleutian Is.

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PGAV	e P	06:44:36.82	BZ			
	IAMB	06:44:42.30	BZ	0.040	1.2	
	e S	06:55:27.59	LN			
	e LQ	07:08:09.80	LE			
	e LR	07:12:56.41	LZ			
	IAMS_20	07:26:34.32	LZ	2.728	20	
PCAB	e P	06:44:41.09	SZ			
	IAMB	06:44:42.40	SZ	0.042	1.0	
POLO	e P	06:44:41.84	BZ			
	IAMB	06:44:43.23	BZ	0.017	1.0	
PVRL	e P	06:44:42.23	SZ			
	IAMB	06:44:43.70	SZ	0.044	1.0	
PTO	e P	06:44:43.24	SZ			
	IAMB	06:44:57.10	SZ	0.064	1.2	
MVO	e P	06:44:42.84	BZ			
	IAMB	06:44:44.39	BZ	0.059	1.1	
	e S	06:55:21.79	LE			
	e LQ	07:09:22.53	LE			
	e LR	07:14:16.11	LZ			
	IAMS_20	07:29:56.28	LZ	3.177	20	
PVIS	e P	06:44:44.33	BZ			
MTE	e P	06:44:46.18	BZ			
	IAMB	06:45:00.47	BZ	0.059	1.2	
	e S	06:56:25.83	LN			
	e LQ	07:10:01.68	LE			
	e LR	07:14:16.11	LZ			
	IAMS_20	07:26:41.93	LZ	2.258	20	
PCAS	e P	06:44:47.47	BZ			
	IAMB	06:45:02.19	BZ	0.064	1.2	
PCBR	e P	06:44:48.58	SZ			
	IAMB	06:44:51.92	SZ	0.039	1.3	
PSARD	e P	06:44:49.50	BZ			
	IAMB	06:44:51.49	BZ	0.053	1.0	
PSBE	e P	06:44:48.49	BZ			
	IAMB	06:44:49.41	BZ	0.050	2.5	
PMRV	e P	06:44:50.83	BZ			
	IAMB	06:45:05.36	BZ	0.041	1.5	
	e S	06:55:35.04	LN			
	e LQ	07:11:01.70	LE			
	e LR	07:15:01.94	LZ			
	IAMS_20	07:33:45.72	LZ	2.538	18	
PMTG	e P	06:44:52.26	BZ			
	IAMB	06:45:05.75	BZ	0.044	1.5	
PMAFR	e P	06:44:52.69	BZ			
	IAMB	06:45:06.98	BZ	0.110	1.1	
PESTR	e P	06:44:52.97	BZ			
	IAMB	06:44:55.08	BZ	0.051	1.1	
PARRA	e P	06:44:52.86	BZ			
	IAMB	06:45:07.07	BZ	0.044	1.4	
MOE	e P	06:44:53.46	BZ			
	IAMB	06:45:08.58	BZ	0.053	1.4	
EVO	e P	06:44:54.41	BZ			

	IAMB	06:45:08.59	BZ	0.037	1.4	
PBAR	e P	06:44:56.52	BZ			
	IAMB	06:45:11.45	BZ	0.091	1.2	
PBEJ	e P	06:44:58.33	SZ			
	IAMB	06:45:11.84	SZ	0.045	1.2	
MESJ	e P	06:44:59.26	BZ			
	IAMB	06:45:11.81	BZ	0.026	1.4	
PCVE	e P	06:44:59.71	BZ			
	IAMB	06:45:13.05	BZ	0.036	1.3	
PVAQ	e P	06:45:00.86	BZ			
	IAMB	06:45:14.23	BZ	0.049	1.5	
	e S	06:55:46.38	L2			
	e LQ	07:09:35.58	L2			
	e LR	07:16:20.06	LZ			
	IAMS_20	07:31:56.93	LZ	3.780	18	
MORF	e P	06:45:01.06	BZ			
	IAMB	06:45:14.25	BZ	0.059	1.5	
PBDV	e P	06:45:01.96	BZ			
	IAMB	06:45:15.25	BZ	0.058	1.4	
	e PP	06:58:38.64	BZ			
PFVI	e P	06:45:01.80	BZ			
	IAMB	06:45:22.74	BZ	0.070	1.4	
	e PP	06:48:40.10	BZ			
PMOZ	e S	06:56:21.01	LE			
	e LR	07:17:52.06	LZ			
	IAMS_20	07:26:22.94	LZ	2.194	22	

26-Jan Ho 06:40:53.0 Distante (NEIC) mb 5.3
Lat 51.294°N Lon 179.894°W Prof 33
Região: Andreanof Islands, Aleutian Is.

Est	Fase	P h:m:s	Dur	Co	Amp	Per
POLO	e P	06:53:36.31	BZ			
	IAMB	06:53:41.23	BZ	0.014	1.8	
	e pP	06:53:48.18	BZ			
PVRL	e P	06:53:36.78	SZ			
	e pP	06:53:49.03	SZ			
	IAMB	06:53:52.49	SZ	0.018	1.6	
MVO	e P	06:53:37.41	BZ			
	IAMB	06:53:38.93	BZ	0.015	1.1	
	e pP	06:53:49.98	BZ			
PVIS	e P	06:53:38.37	BZ			
	e pP	06:53:51.31	BZ			
MTE	e P	06:53:40.83	BZ			
	IAMB	06:53:50.93	BZ	0.027	1.6	
	e pP	06:53:54.02	BZ			
PCAS	e P	06:53:41.98	BZ			
	IAMB	06:53:47.09	BZ	0.019	1.9	
	e pP	06:53:55.06	BZ			
PCBR	e P	06:53:43.17	SZ			
	IAMB	06:53:44.08	SZ	0.017	1.0	
PSARD	e P	06:53:44.42	BZ			
	IAMB	06:53:52.52	BZ	0.023	1.7	
	e pP	06:53:57.43	BZ			
PSBE	e P	06:53:42.23	BZ			
	IAMB	06:53:56.85	BZ	0.017	1.7	
PMRV	e P	06:53:46.11	BZ			
	IAMB	06:53:47.44	BZ	0.017	1.5	
	e pP	06:54:00.40	BZ			
PMTG	e P	06:53:46.48	BZ			
	IAMB	06:54:00.46	BZ	0.018	1.9	
PESTR	e P	06:53:47.59	BZ			
	IAMB	06:54:01.41	BZ	0.015	1.3	
PARRA	e P	06:53:47.54	BZ			
	IAMB	06:54:00.53	BZ	0.016	1.3	
EVO	e P	06:53:48.62	BZ			
	e pP	06:53:58.70	BZ			
	IAMB	06:54:06.67	BZ	0.016	1.6	
PBAR	e P	06:53:51.28	BZ			
	IAMB	06:53:57.28	BZ	0.020	1.4	
	e pP	06:54:02.14	BZ			
PBEJ	e P	06:53:51.71	SZ			
	IAMB	06:54:06.00	SZ	0.012	2.0	
PVAQ	e P	06:53:55.03	BZ			
	IAMB	06:54:12.39	BZ	0.020	1.6	

26-Jan Ho 07:24:07.8 Distante (NEIC) Mw 5.2
Lat 51.249°N Lon 179.912°W Prof 36
Região: Andreanof Islands, Aleutian Is.

Est	Fase	P h:m:s	Dur	Co	Amp	Per
POLO	e P	07:36:51.01		BZ		
	I Amb	07:37:05.54		BZ	0.011	1.7
PVRL	e P	07:36:46.49		SZ		
	I Amb	07:37:01.49		SZ	0.024	1.5
MVO	e P	07:36:51.98		BZ		
	I Amb	07:37:12.51		BZ	0.019	1.8
PVIS	e P	07:36:52.98		BZ		
MTE	e P	07:36:56.01		BZ		
	I Amb	07:37:03.74		BZ	0.019	1.7
PCAS	e P	07:36:56.67		BZ		
	I Amb	07:37:11.25		BZ	0.028	1.6
PCBR	e P	07:36:57.84		SZ		
	I Amb	07:37:01.68		SZ	0.010	1.4
PSARD	e P	07:36:59.09		BZ		
	I Amb	07:37:11.60		BZ	0.021	2.1
PMRV	e P	07:36:59.82		BZ		
	I Amb	07:37:24.47		BZ	0.014	1.7
PESTR	e P	07:37:02.13		BZ		
	I Amb	07:37:05.98		BZ	0.016	1.5
PARRA	e P	07:37:02.70		BZ		
	I Amb	07:37:23.35		BZ	0.009	1.5
MOE	e P	07:37:04.26		BZ		
	I Amb	07:37:17.96		BZ	0.018	1.6
EVO	e P	07:37:00.79		BZ		
	I Amb	07:37:21.52		BZ	0.019	1.5
PBAR	e P	07:37:06.41		BZ		
	I Amb	07:37:19.44		BZ	0.016	1.2
PVAQ	e P	07:37:09.38		BZ		
	I Amb	07:37:12.39		BZ	0.029	1.5

26-Jan Ho 08:11:57.7 Distante (NEIC) mb 4.8
Lat 51.147°N Lon 179.846°W Prof 29
Região: Andreanof Islands, Aleutian Is.

Est	Fase	P h:m:s	Dur	Co	Amp	Per
MVO	e P	08:24:43.17		BZ		
	I Amb	08:24:43.52		BZ	0.014	1.6
	e pP	08:24:55.64		BZ		
PVIS	e P	08:24:44.80		BZ		
	e pP	08:24:55.99		BZ		
MTE	e pP	08:24:56.97		BZ		
PSARD	e pP	08:25:02.06		BZ		
PARRA	e P	08:24:54.43		BZ		
	e pP	08:25:05.14		BZ		
	I Amb	08:25:07.84		BZ	0.012	1.4

26-Jan Ho 09:12:07.2 Distante (NEIC) Mw 5.6
Lat 51.234°N Lon 179.799°W Prof 24
Região: Andreanof Islands, Aleutian Is.

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PCAB	e P	09:24:50.27		SZ		
	I Amb	09:24:51.79		SZ	0.028	2.1
POLO	e P	09:24:51.93		BZ		
PVRL	e P	09:24:52.84		SZ		
	I Amb	09:24:53.86		SZ	0.052	1.4
PTO	e P	09:24:53.05		SZ		
	I Amb	09:24:54.33		SZ	0.046	1.2
MVO	e P	09:24:53.21		BZ		
	I Amb	09:24:54.59		BZ	0.037	1.0
	e LQ	09:49:46.93		LE		
	e LR	09:55:31.52		LZ		
	IAMS_20	10:13:36.21		LZ	1.120	20
PVIS	e P	09:24:55.05		BZ		
MTE	e P	09:24:56.82		BZ		
	I Amb	09:24:58.09		BZ	0.035	0.8
	e LQ	09:50:53.87		LE		
	e LR	09:54:53.41		LZ		
	IAMS_20	10:17:43.09		LZ	0.696	18
PCAS	e P	09:24:57.77		BZ		
	I Amb	09:24:59.20		BZ	0.051	1.5
PCBR	e P	09:24:59.26		SZ		
	I Amb	09:25:00.36		SZ	0.028	1.0

PSARD	e P	09:25:00.21		BZ		
	I Amb	09:25:00.85		BZ	0.027	0.9
PSBE	e P	09:24:58.33		BZ		
	I Amb	09:25:11.33		BZ	0.041	1.5
PMRV	e P	09:25:01.29		BZ		
	I Amb	09:25:03.03		BZ	0.036	1.9
	e pP	09:25:07.60		BZ		
	e LR	09:55:42.41		LZ		
	IAMS_20	10:13:55.05		LZ	0.895	18
PMTG	e P	09:25:01.86		BZ		
	I Amb	09:25:03.46		BZ	0.021	1.2
PMAFR	e P	09:25:03.14		BZ		
	I Amb	09:25:24.50		BZ	0.072	1.3
PESTR	e P	09:25:03.65		BZ		
	I Amb	09:25:04.85		BZ	0.040	1.1
PARRA	e P	09:25:03.21		BZ		
	I Amb	09:25:05.46		BZ	0.029	1.7
MOE	e P	09:25:05.51		BZ		
	I Amb	09:25:07.56		BZ	0.020	1.4
EVO	e P	09:25:05.28		BZ		
	I Amb	09:25:06.26		BZ	0.023	1.3
PBAR	e P	09:25:07.01		BZ		
	I Amb	09:25:08.45		BZ	0.046	1.2
PBEJ	e P	09:25:08.28		SZ		
	I Amb	09:25:08.84		SZ	0.027	1.3
PCVE	e P	09:25:09.62		BZ		
	I Amb	09:25:11.43		BZ	0.019	2.0
PVAQ	e P	09:25:10.57		BZ		
	I Amb	09:25:12.06		BZ	0.027	1.4
	e LQ	09:51:37.42		LZ		
	e LR	09:56:31.40		LZ		
	IAMS_20	10:12:12.39		LZ	1.424	18
PBDV	e P	09:25:11.97		BZ		
	I Amb	09:25:13.93		BZ	0.040	1.9
PFVI	e P	09:25:11.60		BZ		
	I Amb	09:25:12.69		BZ	0.065	1.7
PMOZ	IAMS_20	10:09:33.94		LZ	0.758	22

26-Jan Ho 09:14:05.0 Distante (NEIC) mb 5.4
Lat 51.318°N Lon 179.919°E Prof 40
Região: Rat Islands, Aleutian Islands

Est	Fase	P h:m:s	Dur	Co	Amp	Per
MVO	e P	09:26:49.08		BZ		
	I Amb	09:27:05.57		BZ	0.019	1.6
PVIS	e P	09:26:50.69		BZ		
MTE	e P	09:26:52.52		BZ		
	I Amb	09:27:06.16		BZ	0.028	1.8
PCAS	e P	09:26:53.10		BZ		
	I Amb	09:27:02.16		BZ	0.034	1.7
PCBR	e P	09:26:52.99		SZ		
	I Amb	09:27:08.31		SZ	0.017	1.7
PSARD	e P	09:26:55.37		BZ		
	I Amb	09:26:57.60		BZ	0.020	1.6
PSBE	e P	09:26:53.69		BZ		
	I Amb	09:26:59.98		BZ	0.024	1.7
PESTR	e P	09:26:58.90		BZ		
	I Amb	09:27:00.00		BZ	0.015	1.6
PARRA	e P	09:26:58.91		BZ		
	I Amb	09:27:12.87		BZ	0.018	1.7
EVO	e P	09:27:00.19		BZ		
	I Amb	09:27:03.02		BZ	0.013	1.9
PBAR	e P	09:27:02.70		BZ		
	I Amb	09:27:11.40		BZ	0.020	1.8
PFVI	e P	09:27:04.73		BZ		
	I Amb	09:27:15.81		BZ	0.034	1.4

26-Jan Ho 11:23:16.9 ML 1.6
Lat 35.577°N Lon 08.824°W Prof 38*
Região: Mar de Marrocos
AxMax 9.2 AxMin 2.2 Ang 87 ErrZ 0

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PFVI	i P	d 11:23:40.65		HZ		
	e S	11:23:58.68		HE		
	IAML	11:24:11.12		HZ	0.003	1.0

MORF	e P	d	11:23:43.06	HZ			
	e S		11:24:03.35	HN			
	IAML		11:24:04.53	HZ	0.005	0.1	
PBDV	e P		11:23:44.17	HZ			
	e S		11:24:05.00	HE			
	IAML		11:24:06.89	HZ	0.002	0.4	
PVAQ	e P		11:23:47.27	HZ			
	e S		11:24:10.07	H2			
	IAML		11:24:14.42	HZ	0.003	0.2	
PCVE	e P	d	11:23:49.27	HZ			
	e S		11:24:12.98	HN			
	IAML		11:24:16.92	HZ	0.002	0.4	
MESJ	e P		11:23:51.37	HZ			
	e S		11:24:17.15	HN			
	IAML		11:24:19.61	HZ	0.002	0.2	
PBAR	e P		11:24:00.24	HZ			
	e S		11:24:32.35	HE			
	IAML		11:24:34.87	HZ	0.001	0.1	
MOE	e P		11:24:00.26	HZ			
	e S		11:24:33.33	HE			
	IAML		11:24:34.94	HZ	0.002	0.2	
EVO	e S		11:24:33.84	HE			
	IAML		11:24:36.63	HZ	0.002	0.1	
PARRA	e P		11:24:04.42	HZ			
	e S		11:24:40.67	HN			
	IAML		11:24:42.85	HZ	0.001	0.3	
PMAFR	e P		11:24:06.58	HZ			
	e S		11:24:44.50	HE			
PESTR	e S		11:24:44.00	HE			
PMTG	e P		11:24:07.68	HZ			
	e S		11:24:46.01	HN			
	IAML		11:24:46.75	HZ	0.001	0.2	
PSBE	e P		11:24:11.90	HZ			
	e S		11:24:55.80	HN			
PMRV	e P		11:24:14.33	HZ			
	e S		11:24:57.41	HE			
	IAML		11:25:01.39	HZ	0.001	0.6	
PSARD	e P		11:24:15.21	HZ			
	e S		11:24:58.78	HE			
	IAML		11:25:00.83	HZ	0.002	0.2	

26-Jan Ho 13:38:15.3 ML 1.9
Lat 36.706°N Lon 07.581°W Prof 24
Região: Golfo de Cádiz Rms 0.4
AxMax 3.7 AxMin 2.8 Ang 62 ErrZ 3

Est	Fase	P	h:m:s	Dur	Co	Amp	Per
PBDV	i Pg	d	13:38:27.09		HZ		
	e Sg		13:38:35.20		HE		
	IAML		13:38:36.58		HZ	0.016	0.2
PVAQ	e Pg	d	13:38:28.30		HZ		
	e Sg		13:38:37.62		H1		
	IAML		13:38:38.49		HZ	0.051	0.4
PCVE	e P		13:38:32.53		HZ		
	e S		13:38:44.87		HN		
	IAML		13:38:45.61		HZ	0.015	0.2
MORF	e P		13:38:33.03		HZ		
	e S		13:38:46.23		HE		
	IAML		13:38:47.27		HZ	0.013	0.1
PFVI	e P		13:38:33.64		HZ		
	e S		13:38:47.10		HE		
	IAML		13:39:00.00		HZ	0.005	0.4
MESJ	i P	d	13:38:35.93		HZ		
	e S		13:38:50.81		HN		
	IAML		13:38:53.77		HZ	0.013	0.2
PBEJ	e S		13:38:53.38		EN		
	IAML		13:38:53.87		EZ	0.005	0.1
PBAR	e P		13:38:39.61		HZ		
	e S		13:38:57.93		HN		
	IAML		13:39:01.45		HZ	0.004	0.2
EVO	e Pn		13:38:44.48		HZ		
	e Pg		13:38:50.95		HZ		
	e Sn		13:39:05.24		HN		
	IAML		13:39:06.36		HZ	0.006	0.1
MOE	e Pn		13:38:45.30		HZ		
	e Sn		13:39:07.06		HE		

	IAML		13:39:08.54	HZ	0.006	0.2	
PARRA	e Pn	d	13:38:48.20	HZ			
	e Sn		13:39:11.88	HE			
	IAML		13:39:13.59	HZ	0.008	0.3	
PESTR	e Pn		13:38:48.31	HZ			
	e Sn		13:39:12.37	HN			
PMTG	e Pn	c	13:38:52.04	HZ			
	e Sn		13:39:19.59	HE			
	IAML		13:39:20.64	HZ	0.004	0.1	
PMAFR	e Pn		13:38:53.94	HZ			
	e Sn		13:39:24.24	HE			
	IAML		13:39:26.67	HZ	0.007	0.2	
PMRV	e Pn		13:38:56.01	HZ			
	e Sn		13:39:26.59	HE			
	IAML		13:39:27.31	HZ	0.003	0.3	
PSARD	e Pn	c	13:38:59.20	HZ			
	e Sn		13:39:31.46	HE			
	IAML		13:39:33.43	HZ	0.009	0.2	
PSBE	e Pn		13:38:57.55	HZ			
	e Sn		13:39:31.17	HN			
	IAML		13:39:33.64	HZ	0.005	0.7	
PCBR	e Pn		13:39:01.89	EZ			
	e Sn		13:39:36.57	EE			
	IAML		13:39:37.45	EZ	0.003	0.1	
PCAS	e Sn		13:39:44.17	HE			
MVO	e Pn		13:39:19.94	HZ			
	e Sn		13:40:08.54	HE			
	IAML		13:40:10.15	HZ	0.002	0.4	
POLO	e Pn		13:39:22.69	HZ			
	e Sn		13:40:13.22	HN			
	IAML		13:40:14.84	HZ	0.002	0.3	
PGAV	e Sn		13:40:29.03	HN			

26-Jan Ho 14:09:00.5 ML 1.2
Lat 42.233°N Lon 07.955°W Prof 2*
Região: SW Ourense (ESP) Rms 0.3
AxMax 3.6 AxMin 1.3 Ang 89 ErrZ 0

Est	Fase	P	h:m:s	Dur	Co	Amp	Per
PGAV	i P	c	14:09:07.04		HZ		
	e S		14:09:11.84		HN		
	IAML		14:09:12.64		HZ	0.012	0.2
PCAB	e P	d	14:09:10.17		EZ		
	e S		14:09:17.10		EE		
	IAML		14:09:19.91		EZ	0.015	0.1
PVRL	e P		14:09:18.43		SZ		
	e S		14:09:31.17		SN		
	IAML		14:09:32.64		SZ	0.011	0.1
MVO	e P		14:09:23.71		HZ		
	e S		14:09:40.97		HN		
	IAML		14:09:41.67		HZ	0.002	0.1
PVIS	e S		14:09:47.42		HE		

26-Jan Ho 18:44:04.0 Distante (NEIC) Mw 5.3
Lat 22.040°S Lon 65.919°W Prof 278
Região: Jujuy Province, Argentina

Est	Fase	P	h:m:s	Dur	Co	Amp	Per
PMOZ	e P		18:54:56.74		BZ		
	IAMB		18:55:01.20		BZ	0.088	0.6
PMAR	e P		18:54:57.41		BZ		
	IAMB		18:54:59.10		BZ	0.065	1.2
PMPS	e P		18:55:01.77		EZ		
	IAMB		18:55:02.88		EZ	0.083	1.4
PMPST	e P		18:55:01.90		BZ		
	IAMB		18:55:03.06		BZ	0.153	1.4
PFVI	e P		18:55:42.65		BZ		
	IAMB		18:55:43.84		BZ	0.096	1.5
MORF	e P		18:55:44.05		BZ		
	IAMB		18:55:45.20		BZ	0.087	1.0
PBDV	e P		18:55:46.18		BZ		
	IAMB		18:55:47.51		BZ	0.100	1.3
GGNV	e P		18:55:47.21		BZ		
	IAMB		18:55:47.61		BZ	0.139	1.1
PCVE	e P		18:55:47.01		BZ		
	IAMB		18:55:47.71		BZ	0.082	0.8

MESJ	e P	18:55:47.02	BZ			
	I Amb	18:55:47.76	BZ	0.077	0.9	
PMAFR	e P	18:55:47.26	BZ			
PVAQ	e P	18:55:47.26	BZ			
	I Amb	18:55:49.49	BZ	0.074	1.6	
MOE	e P	18:55:48.77	BZ			
	I Amb	18:55:50.04	BZ	0.058	1.4	
PBEJ	e P	18:55:48.46	SZ			
EVO	e P	18:55:49.57	BZ			
	I Amb	18:55:52.58	BZ	0.043	1.1	
PSBE	e P	18:55:48.22	BZ			
	I Amb	18:55:48.97	BZ	0.142	0.9	
PARRA	e P	18:55:50.48	BZ			
	I Amb	18:55:51.84	BZ	0.070	1.6	
PMTG	e P	18:55:50.64	BZ			
	I Amb	18:55:52.88	BZ	0.115	1.4	
PBAR	e P	18:55:51.59	BZ			
	I Amb	18:55:52.52	BZ	0.070	0.9	
PESTR	e P	18:55:52.28	BZ			
	I Amb	18:55:53.62	BZ	0.095	1.1	
PSARD	e P	18:55:52.56	BZ			
PCAS	e P	18:55:53.05	BZ			
	I Amb	18:55:54.24	BZ	0.121	1.0	
PMRV	e P	18:55:54.25	BZ			
	I Amb	18:55:55.34	BZ	0.034	1.4	
PCBR	e P	18:55:55.22	SZ			
	I Amb	18:55:55.92	SZ	0.065	0.9	
PTO	e P	18:55:55.94	SZ			
PVIS	e P	18:55:55.46	BZ			
MTE	e P	18:55:56.90	BZ			
	I Amb	18:55:58.04	BZ	0.087	1.1	
PVRL	e P	18:55:59.60	SZ			
	I Amb	18:56:00.43	SZ	0.120	1.3	
POLO	e P	18:55:59.25	BZ			
	I Amb	18:56:00.02	BZ	0.033	0.9	
PCAB	e P	18:55:59.31	SZ			
PGAV	e P	18:55:59.43	BZ			
MVO	e P	18:56:01.24	BZ			
	I Amb	18:56:01.86	BZ	0.116	0.8	

26-Jan

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PVAQ	e Pn	21:23:32.76		HZ		
	e Sn	21:24:02.62		H2		
	e Sg	21:24:13.12		H1		
PBAR	e Sn	21:23:56.15		HN		
	e Sg	21:24:07.44		HN		

26-Jan Ho 22:33:40.5 Distante (NEIC) Mw 5.7
Lat 51.313°N Lon 179.987°W Prof 35
Região: Andreanof Islands, Aleutian Is.

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PGAV	e LR	23:16:07.62		LZ		
	IAMS_20	23:34:07.70		LZ	1.115	18
POLO	e P	22:46:23.71		BZ		
	I Amb	22:46:38.10		BZ	0.014	1.3
PVRL	e P	22:46:23.80		SZ		
	I Amb	22:46:27.36		SZ	0.043	1.9
PTO	e P	22:46:19.60		SZ		
	I Amb	22:46:34.17		SZ	0.075	1.8
MVO	e P	22:46:24.84		BZ		
	e pP	22:46:35.62		BZ		
	I Amb	22:46:35.95		BZ	0.041	1.3
	e LR	23:16:17.49		LZ		
	IAMS_20	23:35:55.11		LZ	1.112	18
PVIS	e P	22:46:24.80		BZ		
	e pP	22:46:37.38		BZ		
MTE	e P	22:46:28.14		BZ		
	I Amb	22:46:38.81		BZ	0.049	1.4
	e pP	22:46:39.02		BZ		
	e S	22:57:17.16		LE		
	e LR	23:15:54.63		LZ		
	IAMS_20	23:28:39.44		LZ	1.069	20
PCAS	e P	22:46:30.01		BZ		
	e pP	22:46:39.78		BZ		

	I Amb	22:46:40.75	BZ	0.067	1.7	
PCBR	e P	22:46:30.95	SZ			
	e pP	22:46:41.60	SZ			
	I Amb	22:46:45.12	SZ	0.027	2.1	
PSARD	e P	22:46:33.70	BZ			
	I Amb	22:46:36.80	BZ	0.038	1.8	
	e pP	22:46:42.15	BZ			
PSBE	e P	22:46:29.91	BZ			
	e pP	22:46:39.34	BZ			
	I Amb	22:46:48.33	BZ	0.081	1.8	
PMRV	e P	22:46:33.81	BZ			
	e pP	22:46:43.94	BZ			
	I Amb	22:47:01.85	BZ	0.029	1.8	
	e LR	23:16:55.12	LZ			
	IAMS_20	23:29:18.76	LZ	0.832	20	
PMAFR	e P	22:46:34.35	BZ			
	e pP	22:46:45.33	BZ			
	I Amb	22:47:07.43	BZ	0.098	1.5	
PESTR	e P	22:46:35.26	BZ			
	e pP	22:46:46.34	BZ			
	I Amb	22:46:57.61	BZ	0.031	1.2	
PARRA	e P	22:46:35.20	BZ			
	e pP	22:46:47.91	BZ			
	I Amb	22:47:07.99	BZ	0.025	2.0	
EVO	e P	22:46:37.09	BZ			
	I Amb	22:46:39.21	BZ	0.022	1.5	
PBAR	e P	22:46:38.82	BZ			
	e pP	22:46:49.61	BZ			
	I Amb	22:46:49.74	BZ	0.029	1.3	
PBEJ	e P	22:46:39.29	SZ			
	I Amb	22:46:50.72	SZ	0.023	0.9	
PVAQ	e P	22:46:42.88	BZ			
	e pP	22:46:52.49	BZ			
	I Amb	22:46:52.66	BZ	0.026	1.7	
	e LR	23:17:21.43	LZ			
	IAMS_20	23:33:38.25	LZ	1.143	20	
MORF	e pP	22:46:49.23	BZ			
PBDV	e P	22:46:44.94	BZ			
	I Amb	22:46:52.77	BZ	0.027	2.1	
	e pP	22:46:54.10	BZ			
PFVI	e P	22:46:43.87	BZ			
	I Amb	22:46:54.63	BZ	0.068	1.5	
	e pP	22:46:56.10	BZ			
PMOZ	e LR	23:27:13.37	LZ			
	IAMS_20	23:31:19.36	LZ	1.061	20	

26-Jan Ho 23:47:03.8 ML 0.8
Lat 38.198°N Lon 08.218°W Prof 13
Região: NW Ferreira do Alentejo Rms 0.3
AxMax 3.4 AxMin 2.5 Ang 91 ErrZ 5

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PBEJ	e S	23:47:14.81		EE		
MOE	e P	23:47:10.35		HZ		
	e S	23:47:15.29		HE		
	IAML	23:47:15.52		HZ	0.003	0.6
MESJ	e P	23:47:10.51		HZ		
	e S	23:47:15.43		HN		
	IAML	23:47:15.90		HZ	0.002	0.1
EVO	e P	23:47:11.27		HZ		
	e S	23:47:16.09		HN		
	IAML	23:47:17.09		HZ	0.002	0.3
PCVE	e S	23:47:22.66		HE		
	IAML	23:47:23.21		HZ	0.003	0.8
PARRA	e P	23:47:15.66		HZ		
	e S	23:47:23.91		HN		
	IAML	23:47:24.64		HZ	0.001	0.1
PESTR	e S	23:47:30.07		HE		
PMTG	e P	23:47:19.64		HZ		
	e S	23:47:31.19		HN		
	IAML	23:47:31.75		HZ	0.004	0.8
PVAQ	e S	23:47:31.45		H1		
MORF	e P	23:47:21.45		HZ		
	e S	23:47:34.26		HN		
	IAML	23:47:36.35		HZ	0.002	0.8
PBDV	e S	23:47:34.57		HN		

PFVI e S 23:47:39.65 HN
PMRV e P 23:47:28.68 HZ
e S 23:47:45.46 HE

27-Jan Ho 01:40:28.4 ML 0.4
Lat 38.692°N Lon 07.819°W Prof 16
Região: E Arraiolos Rms 0.3
AxMax 1.8 AxMin 1.3 Ang 84 ErrZ 3

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PARRA	e Pg	d 01:40:33.06		HZ		
	e Sg	01:40:36.67		HE		
	IAML	01:40:36.77		HZ	0.002	0.1
EVO	e Pg	01:40:33.45		HZ		
	e Sg	01:40:37.18		HE		
	IAML	01:40:37.31		HZ	0.005	0.1
PESTR	e Pg	01:40:33.71		HZ		
	e Sg	01:40:37.84		HN		
	IAML	01:40:38.09		HZ	0.001	0.1
MOE	e Pg	d 01:40:36.84		HZ		
	e Sg	01:40:43.13		HN		
PMTG	e Pg	01:40:37.26		HZ		
	e Sg	01:40:44.57		HN		
PBEJ	e Sg	01:40:49.61		EE		
PBAR	e P	01:40:43.32		HZ		
	e S	01:40:53.99		HN		
	IAML	01:40:56.16		HZ	0.001	0.1
PMRV	e P	01:40:43.02		HZ		
	e S	01:40:53.91		HE		
PSARD	e P	01:40:45.68		HZ		
	e S	01:40:58.01		HE		
PCVE	e S	01:41:01.90		HN		
PVAQ	e Sg	01:41:08.58		H2		
	IAML	01:41:10.48		HZ	0.001	0.1
PBDV	e Sg	01:41:12.82		HE		

27-Jan Ho 01:58:15.9 ML 1.1
Lat 40.160°N Lon 07.735°W Prof 1*
Região: W Fundação Rms 0.4
AxMax 2.8 AxMin 1.4 Ang 94 ErrZ 0

Est	Fase	P h:m:s	Dur	Co	Amp	Per
MTE	e Pg	d 01:58:20.86		HZ		
	e Sg	01:58:24.93		HN		
	IAML	01:58:30.24		HZ	0.011	0.6
PCBR	e Pg	01:58:22.40		EZ		
	e Sg	01:58:27.71		EE		
	IAML	01:58:32.18		EZ	0.006	0.9
FVIS	e Pg	01:58:25.86		HZ		
	e Sg	01:58:33.39		HE		
PCAS	e Pg	01:58:26.56		HZ		
	e Sg	01:58:34.55		HN		
	IAML	01:58:35.06		HZ	0.009	0.3
PSARD	e Pg	01:58:27.75		HZ		
	e Sg	01:58:36.61		HN		
	IAML	01:58:43.03		HZ	0.006	0.4
PMRV	e P	01:58:30.90		HZ		
	e S	01:58:41.21		HE		
	IAML	01:58:44.53		HZ	0.005	0.3
PSBE	e P	01:58:32.74		HZ		
	e S	01:58:47.45		HE		
	IAML	01:58:51.48		HZ	0.005	0.4
PVRL	e P	01:58:36.21		SZ		
	e S	01:58:51.18		SN		
	IAML	01:58:53.07		SZ	0.007	0.4
MVO	e P	01:58:37.31		HZ		
	e S	01:58:52.56		HN		
	IAML	01:58:57.97		HZ	0.004	0.3
PMTG	e P	01:58:37.23		HZ		
	e S	01:58:52.99		HN		
	IAML	01:58:53.55		HZ	0.002	0.2
POLO	e P	01:58:38.38		HZ		
	e S	01:58:55.24		HE		
	IAML	01:58:59.41		HZ	0.002	0.5
PESTR	e S	01:58:57.28		HE		
	IAML	01:58:58.98		HZ	0.002	0.4

PARRA e P 01:58:40.63 HZ
e S 01:58:59.03 HN
IAML 01:59:02.03 HZ 0.002 0.8
EVO e S 01:59:05.84 HE
MOE e Pg 01:58:46.63 HZ
e Sg 01:59:09.56 HN
IAML 01:59:10.82 HZ 0.003 0.4
PMAFR e Pg 01:58:47.71 HZ
PBAR e Sg 01:59:20.72 HN
IAML 01:59:21.63 HZ 0.002 0.6

27-Jan

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PBAR	e P	02:38:36.56		HZ		
PVAQ	e P	02:38:40.06		HZ		
	e S	02:39:47.62		H2		
	IAML	02:39:50.23		HZ	0.002	0.4
PBDV	e P	02:38:42.74		HZ		
PBEJ	e P	02:38:43.66		EZ		
PESTR	e P	02:38:45.55		HZ		
MESJ	e P	02:38:46.59		HZ		
EVO	e P	02:38:47.57		HZ		
	e S	02:39:59.11		HE		
PMRV	e P	02:38:48.45		HZ		
PARRA	e P	02:38:49.47		HZ		
MOE	e P	02:38:51.24		HZ		
PCBR	e P	02:38:52.16		EZ		
	e S	02:40:07.61		EN		
PMTG	e P	02:38:53.10		HZ		
PSARD	e P	02:38:56.12		HZ		
	e S	02:40:15.76		HN		
MTE	e P	02:38:58.60		HZ		
PSBE	e P	02:38:59.01		HZ		
MVO	e P	02:39:01.11		HZ		
PMAFR	e P	02:39:02.37		HZ		

27-Jan Ho 02:50:56.3 ML 2.0
Lat 37.055°N Lon 05.188°W Prof 6
Região: SE Sevilha (ESP) Rms 0.4
AxMax 2.7 AxMin 2.4 Ang 114 ErrZ 3

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PBAR	e Pn	02:51:26.58		HZ		
	e Pg	02:51:30.92		HZ		
	e Sg	02:51:53.72		HN		
	IAML	02:51:57.53		HZ	0.009	0.4
PVAQ	e Pn	c 02:51:29.50		HZ		
	e Sn	02:51:55.21		H2		
	e Sg	02:52:01.13		H2		
	IAML	02:52:10.47		HZ	0.008	0.3
PBDV	e Pn	02:51:31.83		HZ		
	e Sn	02:51:59.62		HN		
	e Sg	02:52:05.59		HN		
	IAML	02:52:08.96		HZ	0.008	0.4
PBEJ	e Sg	02:52:08.77		EN		
	IAML	02:52:14.75		EZ	0.004	0.2
PCVE	e Pn	02:51:33.86		HZ		
MESJ	e Pn	02:51:36.90		HZ		
	e Sg	02:52:16.39		HN		
	IAML	02:52:27.24		HZ	0.005	0.7
PESTR	e Sn	02:52:08.75		HE		
	e Sg	02:52:18.12		HN		
	IAML	02:52:30.21		HZ	0.005	0.6
EVO	e Pn	02:51:38.51		HZ		
	e Sn	02:52:11.00		HE		
	e Sg	02:52:19.85		HE		
	IAML	02:52:23.58		HZ	0.005	0.5
MORF	e Pn	02:51:40.37		HZ		
	e Sn	02:52:13.13		HN		
	e Sg	02:52:23.96		HE		
	IAML	02:52:32.01		HZ	0.004	0.2
PARRA	e Pn	02:51:41.03		HZ		
	e Sn	02:52:15.31		HE		
	e Sg	02:52:24.50		HE		
	IAML	02:52:30.80		HZ	0.004	0.9

MOE	e Pn	02:51:42.53	HZ			
	e Sn	02:52:15.48	HN			
	IAML	02:52:34.89	HZ	0.005	0.3	
PFVI	e Pn	02:51:41.95	HZ			
	e Sn	02:52:15.17	HE			
PMRV	e Pn	02:51:43.25	HZ			
	e Sg	02:52:27.14	HE			
	IAML	02:52:32.70	HZ	0.003	0.3	
PMTG	e Pn	02:51:45.53	HZ			
	e Sn	02:52:21.74	HE			
	e Sg	02:52:34.50	HN			
	IAML	02:52:45.34	HZ	0.004	0.4	
PSARD	e Pn	02:51:49.90	HZ			
	e Sn	02:52:29.09	HN			
	e Sg	02:52:43.36	HE			
	IAML	02:52:54.92	HZ	0.007	0.2	
PSBE	e Sn	02:52:34.77	HN			

27-Jan

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PVAQ	e Pn	02:55:12.37		HZ		
	e Sg	02:55:43.33		H2		
PBAR	e Sg	02:55:36.61		HE		
PBDV	e Sn	02:55:43.22		HE		
	e Sg	02:55:48.73		HN		

27-Jan

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PBDV	e Sn	02:54:24.71		HE		
PVAQ	e Sg	02:54:27.56		H1		

27-Jan

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PMOZ	e P	03:18:43.33		HZ		
	e S	03:20:18.00		HN		
PMAR	e P	03:18:46.67		HZ		
FUL	e P	03:18:47.92		EZ		
PMPST	e P	03:18:48.77		HZ		
PMPS	e P	03:18:49.03		EZ		
PMAFR	e P	03:19:39.73		HZ		
GGNV	e P	03:19:40.74		HZ		
PFVI	e P	03:19:45.26		HZ		
PSBE	e P	03:19:45.39		HZ		
PTO	e P	03:19:46.93		EZ		
MOE	e P	03:19:49.23		HZ		
MORF	e P	03:19:49.40		HZ		
PMTG	e P	03:19:49.84		HZ		
	e S	03:22:12.47		HE		
PSARD	e P	03:19:51.31		HZ		
	e S	03:22:16.87		HN		
PGAV	e P	03:19:51.98		HZ		
EVO	e P	03:19:52.29		HZ		
PARRA	e P	03:19:52.35		HZ		
	e S	03:22:18.80		HN		
MESJ	e P	03:19:52.48		HZ		
PVIS	e P	03:19:52.70		HZ		
PCVE	e P	03:19:54.57		HZ		
PBEJ	e P	03:19:55.46		EZ		
PVRL	e P	03:19:55.61		SZ		
POLO	e P	03:19:56.35		HZ		
PESTR	e P	03:19:56.58		HZ		
PCBR	e P	03:19:58.12		EZ		
PBDV	e P	03:19:58.34		HZ		
	e S	03:22:21.46		HE		
PMRV	e P	03:19:59.39		HZ		
	e S	03:22:31.47		HE		
PVAQ	e P	03:19:59.68		HZ		
	e S	03:22:28.31		H1		
MVO	e P	03:20:02.47		HZ		
PBAR	e P	03:20:03.95		HZ		

27-Jan Ho 05:02:16.6 ML 1.1
Lat 36.539°N Lon 09.038°W Prof 11*
Região: SW Cabo S.Vicente Rms 0.4
AxMax 15.5 AxMin 7.5 Ang 85 ErrZ 0

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PFVI	e P	05:02:28.01		HZ		
	e S	05:02:36.33		HN		
	IAML	05:02:39.54		HZ	0.008	0.7
MORF	e P	05:02:31.33		HZ		
	e S	05:02:42.66		HE		
	IAML	05:02:47.09		HZ	0.004	0.8
PVAQ	e P	05:02:40.06		HZ		
	e S	05:02:57.22		H1		
	IAML	05:02:57.57		HZ	0.002	0.7
MESJ	e S	05:03:00.41		HN		
PMTG	e S	05:03:26.41		HN		

27-Jan Ho 05:02:01.1 Distante (NEIC) Mw 6.3
Lat 10.110°S Lon 161.020°E Prof 18
Região: Solomon Islands

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PGAV	e PKP	05:21:43.22		BZ		
	e LR	06:14:13.01		LZ		
	IAMs_20	06:34:04.99		LZ	4.798	20
PCAB	e PKP	05:21:44.02		SZ		
MVO	e PKP	05:21:42.41		BZ		
	e LR	06:15:14.88		LZ		
	IAMs_20	06:35:25.52		LZ	5.449	20
POLO	e PKP	05:21:42.31		BZ		
PVRL	e PKP	05:21:43.01		SZ		
PTO	e PKP	05:21:47.95		SZ		
PVIS	e PKP	05:21:44.00		BZ		
MTE	e PKP	05:21:44.97		BZ		
	e LR	06:15:39.99		LZ		
	IAML	06:35:35.15		LZ	3.663	18
PCBR	e PKP	05:21:45.44		SZ		
PCAS	e PKP	05:21:46.37		BZ		
PMRV	e PKP	05:21:46.73		BZ		
	e LR	06:13:41.34		LZ		
	IAMs_20	06:28:51.47		LZ	4.831	22
PSARD	e PKP	05:21:46.47		BZ		
PSBE	e PKP	05:21:44.91		BZ		
PESTR	e PKP	05:21:48.01		BZ		
PMTG	e PKP	05:21:47.49		BZ		
PARRA	e PKP	05:21:48.52		BZ		
PMAFR	e PKP	05:21:49.26		BZ		
EVO	e PKP	05:21:49.03		BZ		
PBAR	e PKP	05:21:50.18		BZ		
MOE	e PKP	05:21:49.67		BZ		
PBEJ	e PKP	05:21:50.33		SZ		
MESJ	e PKP	05:21:50.12		BZ		
PCVE	e PKP	05:21:51.60		BZ		
PVAQ	e PKP	05:21:46.05		BZ		
	e SS	05:44:55.34		L2		
	e LR	06:14:54.82		LZ		
	IAMs_20	06:29:53.00		LZ	7.029	22
PBDV	e PKP	05:21:53.33		BZ		
MORF	e PKP	05:21:53.49		BZ		
PFVI	e PKP	05:21:52.45		BZ		
PMOZ	e LR	06:17:16.61		LZ		
	IAMs_20	06:25:43.57		LZ	3.299	22

27-Jan Ho 09:50:03.8 ML 1.1
Lat 38.107°N Lon 09.646°W Prof 13*
Região: SW Sesimbra Rms 0.4
AxMax 9.3 AxMin 3.7 Ang 95 ErrZ 0

Est	Fase	P h:m:s	Dur	Co	Amp	Per
MOE	e P	09:50:23.13		HZ		
	e S	09:50:38.42		HN		
	IAML	09:50:40.52		HZ	0.003	0.2
MORF	e S	09:50:38.10		HN		
	IAML	09:50:40.45		HZ	0.002	0.2
MESJ	e S	09:50:40.09		HN		
	IAML	09:50:44.95		HZ	0.002	0.5
PFVI	e S	09:50:39.86		HE		

EVO	e Sg	09:50:45.60	HN			
PCVE	e Sg	09:50:45.83	HN			
	IAML	09:50:47.84	HZ	0.002	0.3	
PARRA	e Pn	09:50:28.54	HZ			
	e Sg	09:50:48.66	HE			
	IAML	09:50:50.59	HZ	0.001	0.1	
PMTG	e Sg	09:50:49.45	HN			
	IAML	09:50:50.94	HZ	0.002	0.7	
PVAQ	e Sg	09:50:56.44	H1			
PBAR	e Sg	09:51:07.28	HE			
	IAML	09:51:08.16	HZ	0.001	0.9	

27-Jan Ho 10:50:27.0 ML 1.2						
Lat 36.848°N Lon 08.220°W Prof 1*						
Região: S Albufeira Rms 0.4						
AxMax 6.0 AxMin 3.6 Ang 169 ErrZ 0						
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp</i>	<i>Per</i>
PBDV	e Pg	10:50:35.66		HZ		
	e Sg	10:50:42.11		HE		
	IAML	10:50:42.98		HZ	0.004	0.1
PFVI	e Pg	10:50:36.82		HZ		
	e Sg	10:50:45.39		HE		
	IAML	10:50:47.17		HZ	0.007	0.2
MORF	e Pg	10:50:37.09		HZ		
	e Sg	10:50:45.42		HN		
	IAML	10:50:48.03		HZ	0.006	0.3
PVAQ	e Pg	10:50:39.56		HZ		
	e Sg	10:50:48.40		H2		
	IAML	10:50:50.81		HZ	0.003	0.1
PCVE	e P	10:50:41.82		HZ		
	e S	10:50:52.70		HN		
	IAML	10:50:54.36		HZ	0.007	0.2
PTEO	e P	10:50:41.20		HZ		
	e S	10:50:52.88		HE		
MESJ	e P	10:50:44.79		HZ		
	e S	10:50:58.19		HN		
	IAML	10:51:00.65		HZ	0.007	0.2
PBAR	e Sg	10:51:18.24		HN		
	IAML	10:51:20.93		HZ	0.001	0.4
MOE	e Sg	10:51:20.43		HE		
PARRA	e Sg	10:51:28.55		HE		

27-Jan Ho 13:28:27.9 Distante (NEIC) mb 5.2						
Lat 29.600°N Lon 52.050°E Prof 10						
Região: Southern Iran						
<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 P	13:37:13.93		BZ		
	IAMB	13:37:28.84		BZ	0.065	1.4
	e LR	13:59:10.65		LZ		
	IAMS_20	14:02:34.48		LZ	0.781	18
PBAR	e P	13:37:16.36		BZ		
	IAMB	13:37:25.90		BZ	0.084	1.3
MTE	e LR	13:58:03.61		LZ		
	IAMS_20	14:02:46.15		LZ	0.528	18
PMRV	e P	13:37:17.05		BZ		
	IAMB	13:37:35.77		BZ	0.036	1.3
	e LR	14:00:05.76		LZ		
	IAMS_20	14:01:49.29		LZ	0.475	18
PCBR	e P	13:37:17.19		SZ		
	IAMB	13:37:27.10		SZ	0.064	1.2
PVRL	e P	13:37:17.89		SZ		
	IAMB	13:37:22.03		SZ	0.073	1.6
POLO	e P	13:37:18.17		BZ		
	IAMB	13:37:18.80		BZ	0.038	1.6
PCAB	e P	13:37:19.34		SZ		
PVIS	e P	13:37:19.62		BZ		
PESTR	e P	13:37:18.68		BZ		
	IAMB	13:37:35.69		BZ	0.038	1.7
PGAV	e P	13:37:20.75		BZ		
	e LR	13:59:53.93		LZ		
	IAMS_20	14:02:14.15		LZ	0.666	18
PVAQ	e P	13:37:20.93		BZ		
	e LR	13:59:57.38		LZ		
	IAMS_20	14:04:43.65		LZ	0.307	18
PSARD	e P	13:37:21.59		BZ		

	IAML	13:37:25.68	BZ	0.015	0.8	
	IAMB	13:38:07.43	BZ	0.051	1.9	
PBEJ	e P	13:37:21.46	SZ			
	IAMB	13:37:31.57	SZ	0.055	1.3	
PARRA	e P	13:37:21.44	BZ			
EVO	e P	13:37:21.91	BZ			
	IAMB	13:37:30.89	BZ	0.049	1.3	
PCVE	e P	13:37:22.53	BZ			
MOE	e P	13:37:24.05	BZ			
	IAMB	13:37:27.08	BZ	0.052	1.8	
PFVI	e P	13:37:28.32	BZ			

27-Jan Ho 14:24:45.6 Distante (NEIC) Mw 5.2						
Lat 80.810°N Lon 121.330°E Prof 10						
Região: East of Severnaya Zemlya						
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp</i>	<i>Per</i>
POLO	e P	14:34:17.48		BZ		
PVRL	e P	14:34:18.62		SZ		
MVO	e P	14:34:18.27		BZ		
	IAMB	14:34:37.72		BZ	0.048	1.8
PVIS	e P	14:34:22.98		BZ		
	e -	14:34:31.27		BZ		
MTE	e P	14:34:24.71		BZ		
	e -	14:34:32.19		BZ		
PCAS	e P	14:34:27.82		BZ		
	IAMB	14:34:28.98		BZ	0.108	1.6
	e -	14:34:36.26		BZ		
PCBR	e P	14:34:28.45		SZ		
	e -	14:34:36.88		SZ		
	IAMB	14:34:38.30		SZ	0.066	1.5
PMRV	e P	14:34:30.51		BZ		
	e -	14:34:39.42		BZ		
PMTG	e P	14:34:33.64		BZ		
	e -	14:34:42.18		BZ		
PESTR	e P	14:34:34.46		BZ		
PARRA	e P	14:34:35.05		BZ		
MOE	e P	14:34:36.57		BZ		
PBAR	e P	14:34:38.52		BZ		
	IAMB	14:34:39.46		BZ	0.033	1.5
PCVE	e -	14:34:53.23		BZ		
PVAQ	e -	14:34:53.87		BZ		
PBDV	e -	14:34:54.98		BZ		

27-Jan Ho 15:54:48.2 ML 2.1						
Lat 34.096°N Lon 03.823°W Prof 8*						
Região: E Fez (Marr) Rms 0.3						
AxMax 10.0 AxMin 3.0 Ang 104 ErrZ 0						
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp</i>	<i>Per</i>
PVAQ	e P	15:55:55.94		HZ		
	e S	15:56:48.50		H1		
	IAML	15:56:52.51		HZ	0.003	0.7
PBAR	e S	15:56:54.37		HE		
PCVE	e P	15:56:01.45		HZ		
MESJ	e S	15:57:02.37		HE		
	IAML	15:57:05.39		HZ	0.003	0.8
PARRA	e P	15:56:14.35		HZ		
	e S	15:57:18.33		HN		
PSARD	e P	15:56:24.08		HZ		
PMAFR	e S	15:57:35.88		HE		

27-Jan Ho 15:51:49.2 Distante (NEIC) mb 5.2						
Lat 51.150°N Lon 179.820°W Prof 35						
Região: Andreanof Islands, Aleutian Is.						
<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 P	16:04:34.43		BZ		
MTE	e P	16:04:37.98		BZ		
PCAS	e P	16:04:39.04		BZ		
PCBR	e P	16:04:40.21		SZ		
PSARD	e P	16:04:41.12		BZ		
PESTR	e P	16:04:44.97		BZ		
PBAR	e P	16:04:48.16		BZ		
PBEJ	e P	16:04:49.54		SZ		
PCVE	e P	16:04:50.68		BZ		

27-Jan	Ho	19:13:23.0	Distante (NEIC)	Mw 5.1
	Lat	06.210°S	Lon 152.500°E	Prof 11
	Região: New Britain Region, P.N.G.			
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co Amp Per</i>
PBAR	e PKPdf	19:32:55.67	BZ	
PBEJ	e PKPdf	19:32:56.79	SZ	
MESJ	e PKPdf	19:32:57.55	BZ	
PVAQ	e PKPdf	19:32:57.12	BZ	

27-Jan	Ho	20:20:23.76	Dur	Co	Amp	Per
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp</i>	<i>Per</i>
MORF	e Pg	20:20:23.76	HZ			
	e Sg	20:20:25.70	HE			
	IAML	20:20:25.96	HZ	0.016	0.2	
PFVI	e Pg	20:20:27.05	HZ			
	e Sg	20:20:30.99	HN			
	IAML	20:20:31.29	HZ	0.003	0.1	
PBDV	e Sg	20:20:38.56	HE			
PVAQ	e Sg	20:20:42.29	H2			

27-Jan	Ho	23:32:53.0	Lat 36.907°N	Lon 13.617°W	ML 2.0
			Lat 36.907°N	Lon 13.617°W	Prof 36*
	Região: Josephine				Rms 0.4
	AxMax 12.9	AxMin 11.5	Ang 112	ErrZ 0	
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp Per</i>
PFVI	e P	23:33:46.10	HZ		
	e S	23:34:25.41	HE		
PTEO	e S	23:34:28.73	HN		
MESJ	e S	23:34:39.45	HE		
MOE	e S	23:34:41.56	HE		
PCVE	e S	23:34:42.60	HE		
PBDV	e P	23:33:56.41	HZ		
	e S	23:34:43.88	HE		
PBEJ	e S	23:34:47.66	EE		
EVO	e S	23:34:46.02	HE		
PVAQ	e S	23:34:47.82	H2		
	IAML	23:34:52.01	HZ	0.001	0.2
PMTG	e S	23:34:48.08	HN		
PARRA	e S	23:34:48.60	HN		
	IAML	23:34:50.43	HZ	0.001	0.4
PSARD	e P	23:34:02.95	HZ		
	e S	23:34:56.04	HE		
PBAR	e S	23:35:02.87	HE		
	IAML	23:35:06.75	HZ	0.002	0.7

28-Jan	Ho	01:36:02.5	Distante (NEIC)	mb 5.5
	Lat	43.560°N	Lon 145.950°E	Prof 79
	Região: Hokkaido, Japan Region			
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co Amp Per</i>
POLO	e P	01:49:03.45	BZ	
MVO	e P	01:49:03.20	BZ	
	IAML	01:49:26.86	BZ	0.057 1.8
MTE	e P	01:49:07.25	BZ	
	IAML	01:49:26.51	BZ	0.070 2.1
PCAS	e P	01:49:09.53	BZ	
	IAML	01:49:16.05	BZ	0.102 1.8
PSARD	e P	01:49:12.81	BZ	
PARRA	e P	01:49:14.49	BZ	
EVO	e P	01:49:16.63	BZ	
	IAML	01:49:18.40	BZ	0.041 1.9
MOE	e P	01:49:16.64	BZ	
PBAR	e P	01:49:15.84	BZ	
	IAML	01:49:27.84	BZ	0.030 2.2
MESJ	e P	01:49:19.28	BZ	
PVAQ	e P	01:49:20.68	BZ	
PBDV	e P	01:49:19.51	BZ	
	IAML	01:49:49.27	BZ	0.050 2.0
PFVI	e P	01:49:22.14	BZ	
	IAML	01:49:42.07	BZ	0.102 1.4

28-Jan	Ho	06:52:04.2	Distante (NEIC)	mb 4.8
	Lat	33.730°N	Lon 45.730°E	Prof 10
	Região: Iran-Iraq Border Region			
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co Amp Per</i>
MVO	e P	06:59:55.48	BZ	

	IAMB	06:59:56.70	BZ	0.054 1.6
PBAR	e P	06:59:58.60	BZ	
	IAMB	07:00:31.77	BZ	0.032 1.7
PVRL	e P	06:59:58.95	SZ	
PCBR	e P	06:59:59.30	SZ	
	IAMB	07:00:06.09	SZ	0.041 2.2
PMRV	e P	06:59:58.91	BZ	
POLO	e P	06:59:59.64	BZ	
	IAMB	07:00:16.36	BZ	0.033 1.6
PCAB	e P	07:00:00.49	SZ	
	IAMB	07:00:20.34	SZ	0.092 2.0
PVIS	e P	07:00:00.74	BZ	
PESTR	e P	07:00:00.98	BZ	
	IAMB	07:00:14.88	BZ	0.033 1.8
PGAV	e P	07:00:02.17	BZ	
PSARD	e P	07:00:05.13	BZ	
	IAMB	07:00:21.74	BZ	0.061 1.7
PBEJ	e P	07:00:04.32	SZ	
	IAMB	07:00:37.79	SZ	0.027 1.9
PVAQ	e P	07:00:04.33	BZ	
	IAMB	07:00:16.73	BZ	0.044 1.8
PTO	e P	07:00:05.35	SZ	
	IAMB	07:00:17.76	SZ	0.126 1.7
PCAS	e P	07:00:04.68	BZ	
PCVE	e P	07:00:06.06	BZ	
MESJ	e P	07:00:07.72	BZ	
	IAMB	07:00:11.56	BZ	0.030 1.5
MORF	e P	07:00:09.28	BZ	

28-Jan	Ho	08:49:42.3	Lat 37.320°N	Lon 08.610°W	ML 0.6
			Lat 37.320°N	Lon 08.610°W	Prof 13
	Região: W Monchique				Rms 0.1
	AxMax 1.7	AxMin 1.4	Ang 120	ErrZ 3	
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp Per</i>
MORF	i Pg	08:49:44.50	HZ		
	e Sg	08:49:46.45	HN		
	IAML	08:49:46.70	HZ	0.016 0.2	
PTEO	e Pg	08:49:47.31	HZ		
	e Sg	08:49:50.79	HN		
PFVI	e Pg	08:49:47.54	HZ		
	e Sg	08:49:51.11	HE		
	IAML	08:49:51.95	HZ	0.008 0.5	
PVAQ	e S	08:50:05.07	H2		
	IAML	08:50:06.99	HZ	0.002 0.1	

28-Jan	Ho	08:52:59.90	Dur	Co	Amp	Per
<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	08:52:59.90	HZ			
	e S	08:53:11.95	HE			
	IAML	08:53:12.37	HZ	0.004 0.4		
PTEO	e P	08:53:06.23	HZ			
	e S	08:53:20.34	HN			
	IAML	08:53:23.53	HZ	0.005 0.7		
MORF	e S	08:53:17.76	HE			
	IAML	08:53:18.47	HZ	0.003 0.1		
PCVE	e S	08:53:32.36	HN			
	IAML	08:53:36.62	HZ	0.002 0.5		
PVAQ	e S	08:53:33.62	H2			
	IAML	08:53:39.88	HZ	0.002 0.5		
MOE	e S	08:53:44.11	HN			
PARRA	e S	08:53:53.30	HN			
	IAML	08:53:56.42	HZ	0.001 0.6		
PMTG	e S	08:53:56.07	HE			
	IAML	08:53:59.88	HZ	0.002 0.7		
PMRV	e S	08:54:12.04	HN			

28-Jan	Ho	11:26:14.5	Distante (NEIC)	mb 5.1
	Lat	39.100°N	Lon 27.860°E	Prof 6
	Região: Turkey			
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co Amp Per</i>
MVO	e P	11:31:53.75	BZ	
MTE	e P	11:31:58.51	BZ	
	IAMB	11:32:22.57	BZ	0.088 2.2
PBAR	e P	11:31:57.98	BZ	
	IAMB	11:32:05.62	BZ	0.038 1.9

PCBR	e P	11:31:58.48	SZ			
PMRV	e P	11:31:58.42	BZ			
	I Amb	11:32:06.94	BZ	0.045	1.5	
POLO	e P	11:31:59.08	BZ			
	I Amb	11:32:41.48	BZ	0.047	1.8	
PVIS	e P	11:31:59.94	BZ			
PESTR	e P	11:32:00.30	BZ			
	I Amb	11:32:18.33	BZ	0.032	1.5	
PARRA	e P	11:32:05.79	BZ			
	I Amb	11:32:55.18	BZ	0.033	1.9	
PBEJ	e P	11:32:04.20	SZ			
	I Amb	11:32:20.40	SZ	0.041	2.3	
PVAQ	e P	11:32:04.19	BZ			
	I Amb	11:32:09.15	BZ	0.063	1.8	
PMTG	e P	11:32:04.99	BZ			
PCVE	e P	11:32:05.96	BZ			
	I Amb	11:32:34.21	BZ	0.037	2.0	
PBDV	e P	11:32:05.37	BZ			
	I Amb	11:32:10.81	BZ	0.105	1.4	
MOE	e P	11:32:07.37	BZ			
MESJ	e P	11:32:07.60	BZ			
PMPST	e P	11:33:16.24	BZ			
	I Amb	11:33:20.91	BZ	0.146	1.1	
PMPS	e P	11:33:17.27	EZ			
	I Amb	11:33:20.90	EZ	0.083	1.3	

28-Jan Ho 15:24:34.7 Distante (NEIC) mb 5.0						
Lat 29.590°N Lon 52.140°E Prof 10						
Região: Southern Iran						
<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 P	15:33:20.13		BZ		
PBAR	e P	15:33:22.42		BZ		
	I Amb	15:33:46.16		BZ	0.037	1.5
PMRV	e P	15:33:23.43		BZ		
	I Amb	15:34:03.71		BZ	0.045	2.0
PCBR	e P	15:33:23.91		SZ		
	I Amb	15:33:49.74		SZ	0.048	1.4
PVRL	e P	15:33:24.06		SZ		
POLO	e P	15:33:24.35		BZ		
PVIS	e P	15:33:25.75		BZ		
PESTR	e P	15:33:25.01		BZ		
	I Amb	15:34:09.09		BZ	0.040	1.8
PVAQ	e P	15:33:27.39		BZ		
PBEJ	e P	15:33:27.85		SZ		
PSARD	e P	15:33:27.69		BZ		
PARRA	e P	15:33:27.41		BZ		
EVO	e P	15:33:27.99		BZ		
PCVE	e P	15:33:29.36		BZ		
	I Amb	15:33:43.63		BZ	0.036	1.6

28-Jan Ho 15:38:34.4 Distante (NEIC) Mw 5.4						
Lat 35.210°N Lon 27.900°E Prof 10						
Região: Dodecanese Islands, Greece						
<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 P	15:44:23.95		BZ		
	I Amb	15:44:30.49		BZ	0.260	1.3
PBAR	e P	15:44:24.24		BZ		
	I Amb	15:44:31.39		BZ	0.189	1.3
PMRV	e P	15:44:25.95		BZ		
	I Amb	15:44:32.94		BZ	0.136	1.3
PCBR	e P	15:44:27.06		SZ		
	I Amb	15:44:33.41		SZ	0.121	1.3
MTE	e P	15:44:28.18		BZ		
	I Amb	15:44:31.45		BZ	0.099	1.3
PESTR	e P	15:44:28.31		BZ		
	I Amb	15:44:34.39		BZ	0.104	1.6
PVRL	e P	15:44:30.96		SZ		
	I Amb	15:44:35.20		SZ	0.113	1.4
POLO	e P	15:44:28.91		BZ		
	I Amb	15:44:41.81		BZ	0.073	1.2
PVIS	e P	15:44:29.95		BZ		
PVAQ	e P	15:44:30.11		BZ		
	I Amb	15:44:49.46		BZ	0.201	1.3
PCAB	e P	15:44:30.87		SZ		
	I Amb	15:44:37.97		SZ	0.191	2.0

PBEJ	e P	15:44:31.75	SZ			
	I Amb	15:44:50.15	SZ	0.157	1.8	
EVO	e P	15:44:31.57	BZ			
	I Amb	15:44:50.83	BZ	0.125	1.7	
PARRA	e P	15:44:32.28	BZ			
	I Amb	15:44:49.57	BZ	0.059	1.4	
PSARD	e P	15:44:32.10	BZ			
	I Amb	15:44:37.30	BZ	0.097	1.3	
PBDV	e P	15:44:32.29	BZ			
	I Amb	15:44:51.33	BZ	0.207	1.5	
PCVE	e P	15:44:31.17	BZ			
	I Amb	15:44:51.74	BZ	0.092	1.5	
PGAV	e P	15:44:32.64	BZ			
	I Amb	15:44:51.94	BZ	0.160	1.9	
PMTG	e P	15:44:32.72	BZ			
	I Amb	15:44:38.66	BZ	0.092	1.5	
MESJ	e P	15:44:33.39	BZ			
	I Amb	15:44:52.86	BZ	0.097	1.2	
MOE	e P	15:44:33.72	BZ			
	I Amb	15:44:40.79	BZ	0.136	1.4	
PCAS	e P	15:44:33.24	BZ			
	I Amb	15:45:01.62	BZ	0.137	1.5	
PTO	e P	15:44:35.86	SZ			
	I Amb	15:44:41.59	SZ	0.198	1.4	
PSBE	e P	15:44:37.62	BZ			
	I Amb	15:44:40.94	BZ	0.142	1.5	
MORF	e P	15:44:39.54	BZ			
	I Amb	15:45:21.64	BZ	0.058	1.7	
PTEO	e P	15:44:37.62	BZ			
	I Amb	15:44:44.02	BZ	0.172	1.4	
PFVI	e P	15:44:40.29	BZ			
PMAFR	e P	15:44:43.40	BZ			
	I Amb	15:44:59.21	BZ	0.221	1.6	
PMPS	e P	15:45:40.85	EZ			
	I Amb	15:45:44.88	EZ	0.102	1.4	
PMPST	e P	15:45:39.49	BZ			
	I Amb	15:45:43.21	BZ	0.177	1.1	
PMAR	e P	15:45:45.77	BZ			
	I Amb	15:45:48.49	BZ	0.048	0.5	

28-Jan Ho 16:11:16.0 ML 0.7						
Lat 38.732°N Lon 07.923°W Prof 18						
Região: E Arraiolos Rms 0.3						
AxMax 4.7 AxMin 3.0 Ang 105 ErrZ 5						
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp</i>	<i>Per</i>
PARRA	i Pg	d 16:11:19.55		HZ		
	e Sg	16:11:22.33		HE		
MOE	e Pg	16:11:23.55		HZ		
	e Sg	16:11:28.98		HN		
	I Amb	16:11:29.70		HZ	0.002	0.2
PMTG	e Pg	16:11:23.96		HZ		
	e Sg	16:11:30.02		HE		
	I Amb	16:11:30.20		HZ	0.001	0.2
PMRV	e Sg	16:11:41.31		HE		
	I Amb	16:11:42.01		HZ	0.001	0.4
MESJ	e S	16:11:44.64		HN		
	I Amb	16:11:46.77		HZ	0.002	0.3
PCVE	e S	16:11:49.80		HN		
	I Amb	16:11:51.45		HZ	0.001	0.4
PVAQ	e Pg	16:11:40.30		HZ		
	e Sg	16:11:57.87		H1		
	I Amb	16:12:00.49		HZ	0.001	0.8

28-Jan Ho 16:28:32.1 ML 1.7						
Lat 36.703°N Lon 11.025°W Prof 10*						
Região: Gorringe Rms 0.3						
AxMax 8.5 AxMin 5.1 Ang 105 ErrZ 0						
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp</i>	<i>Per</i>
PFVI	e P	16:29:01.16		HZ		
	e S	16:29:23.37		HN		
	I Amb	16:29:23.54		HZ	0.008	0.7
PTEO	e P	16:29:04.60		HZ		
	e S	16:29:28.72		HE		
	I Amb	16:29:29.97		HZ	0.006	0.5

MESJ	e S	16:29:40.31	HE			
	IAML	16:29:43.29	HZ	0.002	0.2	
PBDV	e S	16:29:40.80	HE			
PCVE	e P	16:29:12.07	HZ			
	e S	16:29:41.67	HE			
	IAML	16:29:47.82	HZ	0.002	0.6	
PVAQ	e P	16:29:14.56	HZ			
	e S	16:29:45.91	H2			
	IAML	16:29:50.64	HZ	0.002	0.2	
MOE	e S	16:29:46.86	HN			
	IAML	16:29:50.70	HZ	0.003	0.2	
EVO	e P	16:29:17.60	HZ			
PARRA	e S	16:29:56.29	HE			
	IAML	16:30:00.01	HZ	0.001	0.4	
PMTG	e S	16:29:57.55	HE			
	IAML	16:30:01.21	HZ	0.002	0.9	
PBAR	e S	16:30:03.97	HE			
	IAML	16:30:11.45	HZ	0.001	0.6	
PSARD	e S	16:30:08.42	HN			
	IAML	16:30:09.36	HZ	0.003	0.2	
PMRV	e S	16:30:14.58	HN			
	IAML	16:30:17.81	HZ	0.002	0.6	

28-Jan Ho 19:10:24.9 Distante (NEIC) Mw 7.7
Lat 19.420°N Lon 78.760°W Prof 15
Região: Cuba Region

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PMOZ	e P	19:20:12.87		BZ		
	IAMB	19:20:46.16		BZ	2.108	1.7
	e S	19:28:20.45		LE		
	e LQ	19:34:27.12		LN		
	e LR	19:36:43.50		LZ		
	IAMS_20	19:40:39.45		LZ	118.0	20
PMAR	e P	19:20:14.86		BZ		
	IAMB	19:20:35.73		BZ	1.220	1.6
FUL	e P	19:20:16.31		EZ		
	IAMB	19:20:49.07		EZ	0.840	1.8
PMPS	e P	19:20:12.41		EZ		
	IAMB	19:20:51.74		EZ	1.018	1.9
PMAFR	e P	19:20:54.75		BZ		
	IAMB	19:21:27.48		BZ	1.089	2.1
PSBE	e P	19:20:55.44		BZ		
	IAMB	19:21:17.07		BZ	1.288	1.9
PTO	e P	19:20:58.92		SZ		
	IAMB	19:22:18.02		SZ	0.972	1.6
PFVI	e P	19:20:59.06		BZ		
	IAMB	19:21:19.60		BZ	0.976	1.7
PTEO	e P	19:20:58.57		BZ		
	IAMB	19:21:19.99		BZ	2.064	1.6
PCAS	e P	19:20:58.58		BZ		
	IAMB	19:21:19.75		BZ	1.177	1.7
MORF	e P	19:20:58.77		BZ		
	IAMB	19:21:20.57		BZ	1.389	1.7
PGAV	e P	19:20:59.69		BZ		
	IAMB	19:22:12.84		BZ	0.949	1.5
	e S	19:29:48.03		LE		
	e LQ	19:36:55.27		LN		
	e LR	19:38:31.67		LZ		
	IAMS_20	19:56:19.50		LZ	164.0	18
MOE	e P	19:20:59.96		BZ		
	IAMB	19:21:21.02		BZ	1.654	1.5
PCAB	e P	19:21:00.31		SZ		
	IAMB	19:21:21.14		SZ	0.778	1.6
PMTG	e P	19:21:00.89		BZ		
	IAMB	19:21:21.14		BZ	1.478	1.6
MESJ	e P	19:21:01.16		BZ		
	IAMB	19:21:22.27		BZ	1.280	1.5
PVIS	e P	19:21:01.10		BZ		
PARRA	e P	19:21:00.75		BZ		
	IAMB	19:21:22.62		BZ	0.904	1.6
POLO	e P	19:21:02.22		BZ		
	IAMB	19:21:22.46		BZ	0.348	1.7
EVO	e P	19:21:01.53		BZ		
	IAMB	19:21:22.74		BZ	1.075	1.5
PCVE	e P	19:21:01.48		BZ		

	IAMB	19:21:23.39	BZ	1.035	1.6	
PVRL	e P	19:20:55.56	SZ			
	IAMB	19:21:22.77	SZ	0.768	1.7	
PBEJ	e P	19:21:02.41	SZ			
	IAMB	19:21:32.79	SZ	0.559	1.8	
PBDV	e P	19:21:03.14	BZ			
	IAMB	19:21:24.62	BZ	1.814	1.5	
MTE	e P	19:21:01.89	BZ			
	IAMB	19:21:24.31	BZ	0.884	1.7	
	e S	19:29:40.54	LN			
	e LQ	19:37:06.99	LN			
	e LR	19:38:17.79	LZ			
	IAMS_20	19:55:48.04	LZ	149.0	18	
PESTR	e P	19:21:02.54	BZ			
	IAMB	19:21:24.81	BZ	1.544	1.6	
PCBR	e P	19:21:04.26	SZ			
	IAMB	19:21:24.68	SZ	0.867	1.7	
PVAQ	e P	19:21:04.19	BZ			
	IAMB	19:21:25.26	BZ	1.022	1.5	
	e S	19:29:45.51	L1			
	e LQ	19:37:32.39	L1			
	e LR	19:40:15.61	LZ			
	IAMS_20	19:53:12.78	LZ	191.0	18	
PMRV	e P	19:21:04.08	BZ			
	IAMB	19:21:25.22	BZ	1.246	1.5	
	e S	19:29:51.56	LE			
	e LQ	19:37:29.33	LE			
	e LR	19:39:45.78	LZ			
	IAMS_20	19:47:15.54	LZ	129.0	18	
MVO	e P	19:21:06.33	BZ			
	IAMB	19:21:26.26	BZ	0.510	1.5	
	e S	19:29:56.82	LN			
	e LQ	19:37:04.35	LN			
	e LR	19:37:49.24	LZ			
	IAMS_20	19:51:16.06	LZ	120.0	20	
PBAR	e P	19:21:06.65	BZ			
	IAMB	19:21:27.91	BZ	1.307	1.6	

28-Jan Ho 20:15:08.1 Distante (NEIC) mb 5.1
Lat 41.460°N Lon 19.530°E Prof 10
Região: Albania

Est	Fase	P h:m:s	Dur	Co	Amp	Per
MVO	e P	20:19:41.79		BZ		
	IAMB	20:19:56.32		BZ	0.066	1.7
PVRL	e P	20:19:50.47		SZ		
	IAMB	20:20:01.85		SZ	0.115	1.7
MTE	e P	20:19:47.06		BZ		
	IAMB	20:20:04.34		BZ	0.090	1.6
POLO	e P	20:19:50.73		BZ		
PCBR	e P	20:19:50.36		SZ		
	IAMB	20:20:25.53		SZ	0.051	2.0
PMRV	e P	20:19:51.43		BZ		
	IAMB	20:20:08.64		BZ	0.068	1.6
PCAB	e P	20:19:51.53		SZ		
	IAMB	20:20:00.42		SZ	0.108	1.3
PBAR	e P	20:19:50.48		BZ		
	IAMB	20:20:02.35		BZ	0.176	1.3
PVIS	e P	20:19:49.77		BZ		
PGAV	e P	20:19:51.48		BZ		
PESTR	e P	20:19:52.92		BZ		
	IAMB	20:20:09.17		BZ	0.089	1.4
PSARD	e P	20:19:53.59		BZ		
	IAMB	20:20:14.39		BZ	0.087	1.6
PARRA	e P	20:19:56.09		BZ		
	IAMB	20:20:00.40		BZ	0.071	1.7
PCAS	e P	20:19:57.34		BZ		
	IAMB	20:20:01.17		BZ	0.115	1.8
EVO	e P	20:19:57.24		BZ		
	IAMB	20:20:09.81		BZ	0.073	1.6
PMTG	e P	20:19:57.15		BZ		
	IAMB	20:20:01.46		BZ	0.123	1.3
PBEJ	e P	20:19:58.21		SZ		
	IAMB	20:20:06.52		SZ	0.065	2.0
PVAQ	e P	20:19:57.32		BZ		
	IAMB	20:20:08.01		BZ	0.142	1.7

MOE	e P	20:19:58.01	BZ				
	I Amb	20:20:16.70	BZ	0.059	1.4		
PCVE	e P	20:20:00.68	BZ				
	I Amb	20:20:35.46	BZ	0.081	1.6		
PSBE	e P	20:20:00.03	BZ				
PBDV	e P	20:20:01.24	BZ				
	I Amb	20:20:23.08	BZ	0.116	1.6		
MESJ	e P	20:20:00.27	BZ				
	I Amb	20:20:28.28	BZ	0.081	1.7		
MORF	e P	20:20:10.66	BZ				
	I Amb	20:20:24.10	BZ	0.072	1.3		

28-Jan Ho 20:37:20.6 Distante (NEIC) mb 4.9
Lat 33.810°N Lon 45.720°E Prof 10
Região: Iran-Iraq Border Region

Est	Fase	P h:m:s	Dur	Co	Amp	Per	
MVO	e P	20:45:12.33		BZ			
	I Amb	20:45:34.70		BZ	0.052	1.8	
PBAR	e P	20:45:16.48		BZ			
	I Amb	20:45:59.01		BZ	0.028	1.8	
MTE	e P	20:45:15.63		BZ			
	I Amb	20:46:05.31		BZ	0.082	2.0	
PVRL	e P	20:45:16.72		SZ			
	I Amb	20:46:01.74		SZ	0.066	2.0	
PCBR	e P	20:45:16.41		SZ			
	I Amb	20:45:39.03		SZ	0.038	1.7	
PGAV	e P	20:45:18.55		BZ			
	I Amb	20:45:52.51		BZ	0.139	1.9	
PBEJ	e P	20:45:21.83		SZ			
PVAQ	e P	20:45:21.35		BZ			
PCVE	e P	20:45:22.78		BZ			
	I Amb	20:46:11.42		BZ	0.039	1.9	

28-Jan Ho 20:39:44.9 Distante (NEIC) mb 4.7
Lat 19.280°N Lon 79.140°W Prof 10
Região: Cuba Region

Est	Fase	P h:m:s	Dur	Co	Amp	Per	
MESJ	e P	20:50:18.87		BZ			
PVIS	e P	20:50:17.43		BZ			
PARRA	e P	20:50:18.40		BZ			
EVO	e P	20:50:18.94		BZ			
PCVE	e P	20:50:18.52		BZ			
	I Amb	20:50:34.66		BZ	0.027	1.9	
PBEJ	e P	20:50:19.83		SZ			
	I Amb	20:50:44.76		SZ	0.027	1.7	
PBDV	e P	20:50:20.71		BZ			
	I Amb	20:50:21.73		BZ	0.042	1.2	
MTE	e P	20:50:20.65		BZ			
	I Amb	20:50:45.35		BZ	0.065	2.2	
PESTR	e P	20:50:19.14		BZ			
	I Amb	20:50:22.43		BZ	0.037	1.7	
PVAQ	e P	20:50:21.17		BZ			
	I Amb	20:50:36.51		BZ	0.039	1.7	
PMRV	e P	20:50:20.00		BZ			
	I Amb	20:51:12.65		BZ	0.034	1.6	
PBAR	e P	20:50:24.32		BZ			

28-Jan Ho 20:59:59.5 Distante (NEIC) mb 4.9
Lat 19.080°N Lon 80.920°W Prof 10
Região: Cuba Region

Est	Fase	P h:m:s	Dur	Co	Amp	Per	
PMOZ	e P	21:09:54.87		BZ			
	I Amb	21:09:59.01		BZ	0.090	2.2	
PGAV	e P	21:10:41.83		BZ			
	I Amb	21:11:15.75		BZ	0.095	1.5	
MORF	e P	21:10:42.99		BZ			
MOE	e P	21:10:42.09		BZ			
	I Amb	21:11:05.69		BZ	0.047	1.8	
PMTG	e P	21:10:42.89		BZ			
	I Amb	21:10:44.85		BZ	0.063	1.7	
PSARD	e P	21:10:43.58		BZ			
	I Amb	21:10:52.45		BZ	0.061	1.4	
MESJ	e P	21:10:42.93		BZ			
PVIS	e P	21:10:43.63		BZ			
PARRA	e P	21:10:43.72		BZ			

EVO	I Amb	21:11:11.92	BZ	0.035	1.9		
	e P	21:10:43.99	BZ				
PVRL	I Amb	21:11:10.68	BZ	0.034	1.5		
	e P	21:10:43.25	SZ				
	I Amb	21:11:05.00	SZ	0.084	1.7		
PCVE	e P	21:10:43.00	BZ				
	I Amb	21:10:47.18	BZ	0.049	1.7		
PBEJ	e P	21:10:44.82	SZ				
PBDV	e P	21:10:43.61	BZ				
	I Amb	21:10:49.89	BZ	0.046	1.6		
MTE	e P	21:10:45.14	BZ				
PCBR	e P	21:10:44.09	SZ				
	I Amb	21:10:49.33	SZ	0.040	1.7		
PESTR	e P	21:10:45.70	BZ				
	I Amb	21:10:48.29	BZ	0.046	1.5		
PVAQ	e P	21:10:46.33	BZ				
	I Amb	21:11:00.63	BZ	0.039	1.9		
PMRV	e P	21:10:44.82	BZ				
MVO	e P	21:10:46.04	BZ				
	I Amb	21:10:54.04	BZ	0.058	1.7		
PBAR	e P	21:10:48.73	BZ				
	I Amb	21:11:10.79	BZ	0.039	1.6		

28-Jan Ho 21:44:58.3 Distante (NEIC) mb 4.5
Lat 35.160°N Lon 27.900°E Prof 10
Região: Dodecanese Islands, Greece

Est	Fase	P h:m:s	Dur	Co	Amp	Per	
MVO	e P	21:50:48.00		BZ			
PBAR	e P	21:50:49.01		BZ			
PMRV	e P	21:50:52.85		BZ			
MTE	e P	21:50:55.83		BZ			
	I Amb	21:51:22.84		BZ	0.068	2.1	
PESTR	e P	21:50:53.96		BZ			
	I Amb	21:52:00.81		BZ	0.038	1.9	
PVIS	e P	21:50:53.52		BZ			
PVAQ	e P	21:50:57.14		BZ			
	I Amb	21:50:59.00		BZ	0.033	2.1	
PSARD	e P	21:50:57.41		BZ			
PBDV	e P	21:50:56.98		BZ			
	I Amb	21:51:01.65		BZ	0.038	1.5	
MESJ	e P	21:51:00.99		BZ			

28-Jan Ho 21:55:16.2 Distante (NEIC) Mw 6.1
Lat 18.950°N Lon 80.710°W Prof 10
Região: North of Honduras

Est	Fase	P h:m:s	Dur	Co	Amp	Per	
PMOZ	e P	22:05:12.37		BZ			
	I Amb	22:05:24.59		BZ	0.302	1.8	
PMAR	e P	22:05:13.96		BZ			
	I Amb	22:05:36.65		BZ	0.126	1.5	
PMPS	e P	22:05:14.37		EZ			
	I Amb	22:05:31.26		EZ	0.165	2.0	
PMPST	e P	22:05:17.08		BZ			
	I Amb	22:05:29.45		BZ	0.249	1.9	
PMAFR	e P	22:05:52.82		BZ			
	I Amb	22:06:05.60		BZ	0.358	1.9	
PSBE	e P	22:05:53.49		BZ			
	I Amb	22:06:05.54		BZ	0.228	2.0	
PTO	e P	22:05:55.41		SZ			
	I Amb	22:06:43.45		SZ	0.247	1.6	
PFVI	e P	22:05:56.99		BZ			
	I Amb	22:06:09.13		BZ	0.181	2.5	
PCAS	e P	22:05:56.95		BZ			
	I Amb	22:06:09.17		BZ	0.211	2.2	
PTEO	e P	22:05:56.70		BZ			
	I Amb	22:06:09.48		BZ	0.402	2.0	
PGAV	e P	22:05:56.01		BZ			
	I Amb	22:06:08.47		BZ	0.170	1.8	
MORF	e P	22:05:57.39		BZ			
	I Amb	22:06:10.01		BZ	0.250	2.1	
MOE	e P	22:05:58.32		BZ			
	I Amb	22:06:11.54		BZ	0.278	1.9	
PCAB	e P	22:05:58.04		SZ			
	I Amb	22:06:11.16		SZ	0.178	2.0	

PMTG	e P	22:05:58.22	BZ			
	IAMB	22:06:10.59	BZ	0.198	2.1	
PSARD	e P	22:05:58.48	BZ			
	IAMB	22:06:10.70	BZ	0.149	2.0	
MESJ	e P	22:05:59.10	BZ			
	IAMB	22:06:11.32	BZ	0.203	2.1	
PVIS	e P	22:05:59.24	BZ			
PARRA	e P	22:05:59.29	BZ			
	IAMB	22:06:10.88	BZ	0.137	1.9	
POLO	e P	22:05:59.08	BZ			
	IAMB	22:06:20.86	BZ	0.081	1.8	
EVO	e P	22:05:58.84	BZ			
	IAMB	22:06:11.20	BZ	0.157	1.8	
PVRL	e P	22:06:00.51	SZ			
	IAMB	22:06:12.88	SZ	0.143	1.9	
PCVE	e P	22:06:00.07	BZ			
	IAMB	22:06:13.03	BZ	0.187	2.0	
PBEJ	e P	22:06:00.42	SZ			
	IAMB	22:06:14.18	SZ	0.113	1.9	
PBDV	e P	22:06:00.66	BZ			
	IAMB	22:06:14.11	BZ	0.281	2.1	
MTE	e P	22:06:00.57	BZ			
	IAMB	22:06:12.53	BZ	0.162	1.7	
PESTR	e P	22:06:01.82	BZ			
	IAMB	22:06:15.20	BZ	0.241	1.8	
PVAQ	e P	22:06:02.68	BZ			
	IAMB	22:06:14.85	BZ	0.196	1.9	
PMRV	e P	22:06:01.46	BZ			
	IAMB	22:06:15.59	BZ	0.227	1.9	
MVO	e P	22:06:03.38	BZ			
	IAMB	22:06:16.76	BZ	0.164	1.8	

29-Jan

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PVAQ	e Pn	00:30:30.93		HZ		
	e Sn	00:30:54.02		H1		
	e Sg	00:31:00.66		H2		
	IAML	00:31:03.86		HZ	0.001	0.1
PBAR	e Sg	00:30:56.78		HN		
	IAML	00:31:07.36		HZ	0.000	0.1
PBDV	e Sn	00:30:58.59		HN		

29-Jan Ho 00:41:56.1 Distante (NEIC) mb 4.4
Lat 18.920°N Lon 80.840°W Prof 10
Região: North of Honduras

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PMOZ	e P	00:51:51.71		BZ		
MORF	e P	00:52:37.66		BZ		
MESJ	e P	00:52:39.66		BZ		
	IAMB	00:52:50.85		BZ	0.042	2.0
PARRA	e P	00:52:39.01		BZ		
EVO	e P	00:52:40.02		BZ		
PBDV	e P	00:52:42.03		BZ		
	IAMB	00:53:03.89		BZ	0.043	1.8
PMRV	e P	00:52:42.65		BZ		
PBAR	e P	00:52:45.15		BZ		

29-Jan

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PMAR	e P	01:01:30.24		HZ		
	e S	01:01:36.70		H1		
	IAML	01:01:38.19		HZ	0.031	0.2
PMOZ	e P	01:01:33.65		HZ		

29-Jan Ho 01:58:14.9 ML 2.3
Lat 36.954°N Lon 05.711°W Prof 16
Região: SE Sevilha (ESP) Rms 0.5
AxMax 1.8 AxMin 1.6 Ang 132 ErrZ 2

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PBAR	e Pn	01:58:41.00		HZ		
	e Pg	01:58:43.98		HZ		
	e Sg	01:59:04.44		HE		
	IAML	01:59:07.77		HZ	0.014	0.4
PVAQ	e Pn	01:58:41.62		HZ		
	e Pg	01:58:43.69		HZ		

	e Sn	01:59:01.24	H2			
	e Sg	01:59:06.19	H2			
	IAML	01:59:08.99	HZ	0.026	0.5	
PBDV	e Pn	01:58:43.60	HZ			
	e Pg	01:58:46.96	HZ			
	e Sn	01:59:06.72	HN			
	e Sg	01:59:10.48	HE			
	IAML	01:59:12.74	HZ	0.019	0.4	
PCVE	e Pn	01:58:45.91	HZ			
	e Pg	01:58:49.83	HZ			
	e Sg	01:59:15.84	HE			
	IAML	01:59:22.01	HZ	0.011	0.3	
MESJ	e Pn	01:58:48.95	HZ			
	e Pg	01:58:53.95	HZ			
	e Sn	01:59:15.77	HE			
	e Sg	01:59:22.57	HN			
	IAML	01:59:29.52	HZ	0.013	0.6	
MORF	e Pn	01:58:51.82	HZ			
	e Pg	01:58:57.30	HZ			
	e Sn	01:59:20.34	HN			
	e Sg	01:59:28.28	HE			
	IAML	01:59:30.24	HZ	0.009	0.4	
EVO	e Pn	01:58:52.32	HZ			
	e Pg	01:58:57.71	HZ			
	e Sg	01:59:28.33	HN			
	IAML	01:59:31.80	HZ	0.012	0.5	
PESTR	e Pn	01:58:52.88	HZ			
	e Pg	01:58:58.28	HZ			
	e Sn	01:59:21.92	HE			
	e Sg	01:59:31.21	HN			
	IAML	01:59:36.43	HZ	0.008	0.5	
PTEO	e Pn	01:58:53.30	HZ			
	e Pg	01:58:59.19	HZ			
	e Sn	01:59:22.88	HN			
	e Sg	01:59:33.57	HN			
	IAML	01:59:41.88	HZ	0.017	0.4	
PFVI	e Pn	01:58:53.22	HZ			
	e Sn	01:59:22.65	HN			
	e Sg	01:59:32.03	HN			
	IAML	01:59:38.82	HZ	0.009	0.3	
PARRA	e Pn	01:58:54.99	HZ			
	e Pg	01:59:01.94	HZ			
	e Sn	01:59:26.58	HE			
	e Sg	01:59:36.03	HN			
	IAML	01:59:45.18	HZ	0.005	0.2	
MOE	e Pn	01:58:55.54	HZ			
	e Pg	01:59:01.58	HZ			
	e Sn	01:59:26.72	HN			
	e Sg	01:59:37.44	HN			
	IAML	01:59:39.71	HZ	0.010	0.5	
PMRV	e Pn	01:58:57.49	HZ			
	e Sn	01:59:31.07	HE			
	e Sg	01:59:41.76	HN			
	IAML	01:59:47.35	HZ	0.011	0.5	
PMTG	e Pn	01:58:58.74	HZ			
	e Pg	01:59:06.82	HZ			
	e Sn	01:59:33.49	HE			
	e Sg	01:59:42.87	HN			
	IAML	01:59:52.20	HZ	0.007	2.0	
PCBR	e Pn	01:59:03.07	EZ			
	e Sn	01:59:39.09	EE			
	e Sg	01:59:54.36	EN			
	IAML	02:00:00.63	EZ	0.007	0.6	
PSARD	e Pn	01:59:04.07	HZ			
	e Pg	01:59:11.15	HZ			
	e Sn	01:59:42.06	HE			
	e Sg	01:59:57.63	HN			
	IAML	02:00:02.05	HZ	0.014	0.2	
PMAFR	e Pn	01:59:06.88	HZ			
	e Sn	01:59:47.65	HN			
MTE	e Sn	01:59:53.96	HE			
	e Sg	02:00:09.25	HN			
	IAML	02:00:18.48	HZ	0.014	0.5	

PCAS	e Pn	01:59:12.14	HZ		
	e Sn	01:59:53.98	HN		
	e Sg	02:00:13.72	HE		
	IAML	02:00:17.34	HZ	0.006	0.5
PVIS	e Pn	01:59:15.97	HZ		
	e Sn	02:00:02.99	HE		
MVO	e Pn	01:59:18.88	HZ		
	e Sn	02:00:07.34	HN		
	e Sg	02:00:29.99	HE		
	IAML	02:00:39.77	HZ	0.008	0.6
PVRL	e Sn	02:00:14.25	SN		
	IAML	02:00:15.05	SZ	0.006	0.1
POLO	e Pn	01:59:23.90	HZ		
	e Sn	02:00:17.02	HN		
PCAB	e Sn	02:00:25.31	EN		
PGAV	e Sn	02:00:34.36	HN		

29-Jan Ho 02:44:44.9 Distante (NEIC) mb 4.7
Lat 54.720°N Lon 158.530°E Prof 210
Região: Kamchatka Peninsula, Russia

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PGAV	e P	02:56:47.18		BZ		
POLO	e P	02:56:49.71		BZ		
PVRL	e P	02:56:50.05		SZ		
	IAMB	02:56:50.48		SZ	0.084	1.0
MVO	e P	02:56:50.08		BZ		
	IAMB	02:56:51.57		BZ	0.072	1.6
PTO	e P	02:56:50.36		SZ		
PVIS	e P	02:56:52.74		BZ		
MTE	e P	02:56:54.67		BZ		
	IAMB	02:56:55.76		BZ	0.081	2.2
PCAS	e P	02:56:56.26		BZ		
	IAMB	02:56:57.69		BZ	0.092	1.9
PCBR	e P	02:56:56.61		SZ		
	IAMB	02:56:58.04		SZ	0.040	1.3
PSARD	e P	02:56:57.88		BZ		
PMRV	e P	02:56:58.85		BZ		
PSBE	e P	02:56:56.11		BZ		
PMTG	e P	02:57:00.30		BZ		
PESTR	e P	02:57:01.08		BZ		
PMAFR	e P	02:56:59.97		BZ		
PARRA	e P	02:57:01.64		BZ		
EVO	e P	02:57:03.03		BZ		
	IAMB	02:57:04.08		BZ	0.024	2.4
MOE	e P	02:57:03.15		BZ		
PBAR	e P	02:57:04.29		BZ		
PBEJ	e P	02:57:05.08		SZ		
PCVE	e P	02:57:07.76		BZ		
	IAMB	02:57:08.61		BZ	0.024	1.1
PVAQ	e P	02:57:08.60		BZ		
MORF	e pP	02:57:59.86		BZ		
	e sP	02:58:23.43		BZ		

29-Jan

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PVAQ	e Pn	07:29:32.86		HZ		
	e Sn	07:29:56.93		H1		
	IAML	07:30:05.49		HZ	0.002	0.5
PBAR	e Sg	07:30:00.05		HE		

29-Jan Ho 09:10:46.6 Distante (NEIC) mb 5.3
Lat 38.810°N Lon 70.560°E Prof 10
Região: Afghanistan-Tajikistan Bord Reg.

Est	Fase	P h:m:s	Dur	Co	Amp	Per
MVO	e P	09:20:40.34		BZ		
POLO	e P	09:20:43.98		BZ		
PCAB	e P	09:20:44.22		SZ		
	IAMB	09:20:45.15		SZ	0.133	1.0
PGAV	e P	09:20:44.56		BZ		
	IAMB	09:20:45.67		BZ	0.124	1.7
MTE	e P	09:20:45.91		BZ		
	IAMB	09:20:47.08		BZ	0.067	1.1
PVIS	e P	09:20:46.16		BZ		
PCBR	e P	09:20:47.00		SZ		
	IAMB	09:20:53.87		SZ	0.049	1.8

PMRV	e P	09:20:48.01	BZ		
	IAMB	09:20:49.01	BZ	0.063	1.1
PBAR	e P	09:20:45.58	BZ		
	IAMB	09:20:51.62	BZ	0.074	1.4
PESTR	e P	09:20:50.04	BZ		
	IAMB	09:20:51.40	BZ	0.037	1.2
PSARD	e P	09:20:51.02	BZ		
PCAS	e P	09:20:51.54	BZ		
PARRA	e P	09:20:53.04	BZ		
PMTG	e P	09:20:50.23	BZ		
	IAMB	09:20:51.11	BZ	0.029	1.5
EVO	e P	09:20:53.51	BZ		
	IAMB	09:20:58.98	BZ	0.031	1.8
PSBE	e P	09:20:52.22	BZ		
PBEJ	e P	09:20:51.06	SZ		
	IAMB	09:20:55.79	SZ	0.063	1.2
MOE	e P	09:20:54.77	BZ		
	IAMB	09:20:56.43	BZ	0.083	1.4
PVAQ	e P	09:20:55.55	BZ		
	IAMB	09:20:56.86	BZ	0.094	1.0
PCVE	e P	09:20:55.99	BZ		
	IAMB	09:20:57.62	BZ	0.044	1.5
MESJ	e P	09:20:56.83	BZ		
	IAMB	09:20:57.67	BZ	0.060	1.2
PBDV	e P	09:20:57.40	BZ		
	IAMB	09:20:58.80	BZ	0.142	1.1

29-Jan Ho 10:20:38.2 ML 1.4
Lat 38.294°N Lon 09.248°W Prof 13
Região: SW Sesimbra Rms 0.3

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PMAFR	e P	10:20:50.44		HZ		
	e S	10:20:59.79		HN		
	IAML	10:20:59.83		HZ	0.018	0.5
MOE	e P	10:20:51.99		HZ		
	e S	10:21:02.16		HN		
	IAML	10:21:03.55		HZ	0.015	0.2
PTEO	e P	10:20:53.22		HZ		
	e S	10:21:04.49		HN		
	IAML	10:21:07.14		HZ	0.011	0.5
MESJ	e P	10:20:54.80		HZ		
	e S	10:21:07.57		HE		
	IAML	10:21:10.86		HZ	0.003	0.2
EVO	e S	10:21:09.51		HN		
	IAML	10:21:10.79		HZ	0.010	0.1
PARRA	e P	10:20:57.33		HZ		
	e S	10:21:11.88		HN		
	IAML	10:21:12.68		HZ	0.005	0.2
MORF	e P	10:20:57.75		HZ		
	e S	10:21:12.27		HN		
	IAML	10:21:14.35		HZ	0.005	0.5
PMTG	e P	10:20:57.73		HZ		
	e S	10:21:12.60		HE		
	IAML	10:21:13.61		HZ	0.004	0.2
PBEJ	e S	10:21:13.10		EN		
PCVE	e P	10:20:58.79		HZ		
	e S	10:21:14.22		HE		
	IAML	10:21:17.90		HZ	0.002	0.3
PFVI	e S	10:21:15.15		HE		
PSBE	e S	10:21:16.11		HN		
PESTR	e S	10:21:21.76		HN		
PVAQ	e Pg	10:21:04.80		HZ		
	e Sn	10:21:20.46		H2		
	e Sg	10:21:24.98		H2		
	IAML	10:21:26.40		HZ	0.001	0.8
PSARD	e Sg	10:21:26.35		HN		
	IAML	10:21:30.40		HZ	0.004	0.6
PBAR	e Sg	10:21:32.33		HN		
	IAML	10:21:38.17		HZ	0.003	0.4
PMRV	e Pg	10:21:10.46		HZ		
	e Sn	10:21:29.84		HE		
	e Sg	10:21:34.34		HE		

29-Jan

<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp</i>	<i>Per</i>
PVAQ	e Pn	12:12:31.03		HZ		
	e Sn	12:12:55.60		H2		
	e Sg	12:13:03.01		H2		
	IAML	12:13:04.89		HZ	0.002	0.6
PBAR	e Pg	12:12:31.21		HZ		
	e Sg	12:12:55.31		HE		
	IAML	12:13:03.81		HZ	0.001	0.8

29-Jan Ho 13:36:59.5 Distante (NEIC) mb 4.8
Lat 35.190°N Lon 27.870°E Prof 10
Região: Dodecanese Islands, Greece

<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 P	13:42:49.33		BZ		
	IAMB	13:42:56.06		BZ	0.093	1.3
PBAR	e P	13:42:52.23		BZ		
	IAMB	13:42:56.93		BZ	0.047	1.3
PMRV	e P	13:42:53.41		BZ		
	IAMB	13:43:11.49		BZ	0.039	1.6
PCBR	e P	13:42:53.27		SZ		
	IAMB	13:42:53.84		SZ	0.037	1.6
MTE	e P	13:42:53.60		BZ		
PESTR	e P	13:42:56.61		BZ		
POLO	e P	13:42:54.82		BZ		
PVIS	e P	13:42:55.58		BZ		
PVAQ	e P	13:42:56.04		BZ		
	IAMB	13:43:02.04		BZ	0.061	1.4
PBEJ	e P	13:42:58.13		SZ		
	IAMB	13:43:03.49		SZ	0.038	1.7
PARRA	e P	13:43:00.20		BZ		
PSARD	e P	13:43:01.80		BZ		
	IAMB	13:43:02.87		BZ	0.041	1.5
PBDV	e P	13:43:00.52		BZ		
	IAMB	13:43:04.24		BZ	0.060	1.3
PMTG	e P	13:42:59.53		BZ		
MESJ	e P	13:43:01.45		BZ		
	IAMB	13:43:01.92		BZ	0.048	1.5
MOE	e P	13:43:01.67		BZ		
	IAMB	13:43:03.25		BZ	0.056	1.8

29-Jan Ho 13:49:50.0 Distante (NEIC) Mw 6.0
Lat 10.370°S Lon 161.280°E Prof 87
Região: Solomon Islands

<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp</i>	<i>Per</i>
PGAV	e PKPbc	14:09:23.30		BZ		
	e pPKP	14:09:50.18		BZ		
PCAB	e PKPbc	14:09:23.52		SZ		
	e pPKP	14:09:50.87		SZ		
	-	14:10:05.96		SZ		
MVO	e PKPbc	14:09:23.89		BZ		
	e pPKP	14:09:50.74		BZ		
	-	14:10:07.24		BZ		
POLO	e PKPbc	14:09:24.20		BZ		
	e pPKP	14:09:49.57		BZ		
PVRL	e PKPbc	14:09:24.62		SZ		
	e pPKP	14:09:49.70		SZ		
PTO	e PKPbc	14:09:25.17		SZ		
	e pPKP	14:09:51.83		SZ		
	-	14:10:08.88		SZ		
PVIS	e PKPbc	14:09:25.88		BZ		
	e pPKP	14:09:51.77		BZ		
MTE	e PKPbc	14:09:26.67		BZ		
	e pPKP	14:09:51.74		BZ		
	-	14:10:21.84		BZ		
PCBR	e PKPbc	14:09:27.26		SZ		
	e pPKP	14:09:53.40		SZ		
	-	14:10:09.11		SZ		
PCAS	e PKPbc	14:09:27.25		BZ		
	e PKPab	14:09:32.10		BZ		
	e pPKP	14:09:54.45		BZ		
PMRV	e PKPbc	14:09:28.21		BZ		
	e pPKP	14:09:54.57		BZ		
	-	14:10:10.39		BZ		
PSARD	e PKPbc	14:09:28.50		BZ		

	e pPKP	14:09:53.20		BZ		
	-	14:10:10.86		BZ		
PSBE	e PKPbc	14:09:27.22		BZ		
	e PKPab	14:09:32.70		BZ		
PESTR	e PKPbc	14:09:29.31		BZ		
	e PKPab	14:09:36.33		BZ		
	e pPKP	14:09:54.71		BZ		
PMTG	e PKPbc	14:09:29.17		BZ		
	e PKPab	14:09:36.23		BZ		
	e pPKP	14:09:54.49		BZ		
PARRA	e PKPbc	14:09:29.76		BZ		
	e PKPab	14:09:36.81		BZ		
PMAFR	e PKPbc	14:09:32.10		BZ		
	e PKPab	14:09:37.69		BZ		
	e pPKP	14:09:57.18		BZ		
EVO	e PKPbc	14:09:30.65		BZ		
	e PKPab	14:09:37.57		BZ		
	e pPKP	14:09:57.37		BZ		
PBAR	e PKPbc	14:09:30.76		BZ		
	e pPKP	14:09:57.52		BZ		
MOE	e PKPbc	14:09:30.28		BZ		
	e PKPab	14:09:38.22		BZ		
	e pPKP	14:09:57.78		BZ		
PBEJ	e PKPbc	14:09:32.19		SZ		
	e PKPab	14:09:39.39		SZ		
	e pPKP	14:09:58.61		SZ		
MESJ	e PKPbc	14:09:32.49		BZ		
	e PKPab	14:09:40.97		BZ		
	e pPKP	14:09:59.43		BZ		
PCVE	e PKPbc	14:09:32.79		BZ		
	e PKPab	14:09:40.76		BZ		
	e pPKP	14:10:00.15		BZ		
PVAQ	e PKPbc	14:09:34.82		BZ		
	e PKPab	14:09:42.11		BZ		
	e pPKP	14:10:00.54		BZ		
PTEO	e PKPbc	14:09:34.48		BZ		
	e PKPab	14:09:42.98		BZ		
PBDV	e PKPbc	14:09:34.59		BZ		
	e pPKP	14:10:01.89		BZ		
MORF	e PKPbc	14:09:34.62		BZ		
	e pPKP	14:10:01.40		BZ		

29-Jan Ho 18:07:31.1 Distante (NEIC) mb 4.9
Lat 37.130°N Lon 44.900°E Prof 10
Região: Turkey-Iran Border Region

<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp</i>	<i>Per</i>
POLO	e P	18:15:09.49		BZ		
MTE	e P	18:15:09.06		BZ		
PCBR	e P	18:15:10.51		SZ		
PMRV	e P	18:15:10.73		BZ		
	IAMB	18:15:19.68		BZ	0.039	1.8
PBAR	e P	18:15:10.46		BZ		
PESTR	e P	18:15:12.67		BZ		
PSARD	e P	18:15:15.66		BZ		
PBEJ	e P	18:15:16.31		SZ		
	IAMB	18:15:19.96		SZ	0.029	1.7
PMTG	e P	18:15:16.51		BZ		
PVAQ	e P	18:15:16.67		BZ		
PCVE	e P	18:15:18.54		BZ		
	IAMB	18:15:26.16		BZ	0.038	1.7
PBDV	e P	18:15:18.54		BZ		
MESJ	e P	18:15:20.59		BZ		
PTEO	e P	18:15:23.68		BZ		

29-Jan Ho 19:10:55.0 ML 2.0
Lat 36.412°N Lon 09.834°W Prof 9
Região: SW Cabo S.Vicente Rms 0.3
AxMax 6.6 AxMin 3.8 Ang 47 ErrZ 6

<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp</i>	<i>Per</i>
PFVI	i P	c 19:11:14.48		HZ		
	e S	19:11:29.14		HN		
	IAML	19:11:33.36		HZ	0.014	0.9
MORF	e P	19:11:17.60		HZ		
	e S	19:11:34.63		HN		
	IAML	19:11:36.08		HZ	0.015	0.1

PTEO	e P	19:11:19.53	HZ		
	e S	19:11:37.96	HE		
	IAML	19:11:39.51	HZ	0.011	0.4
PBDV	e P	19:11:23.60	HZ		
	e S	19:11:44.79	HE		
	IAML	19:11:49.87	HZ	0.003	0.2
PCVE	e P	19:11:25.80	HZ		
	e S	19:11:48.79	HN		
	IAML	19:11:50.66	HZ	0.004	0.4
MESJ	e P	19:11:26.13	HZ		
	e S	19:11:49.70	HN		
	IAML	19:11:58.88	HZ	0.007	0.4
PVAQ	e P	19:11:26.61	HZ		
	e S	19:11:50.23	H1		
	IAML	19:11:51.28	HZ	0.006	0.3
PBEJ	e P	19:11:30.50	EZ		
	e S	19:11:57.40	EN		
	IAML	19:11:58.74	EZ	0.005	0.4
MOE	e P	19:11:33.27	HZ		
	e S	19:12:01.95	HN		
	IAML	19:12:04.12	HZ	0.007	0.2
EVO	e P	19:11:34.72	HZ		
	e S	19:12:04.52	HE		
	IAML	19:12:06.34	HZ	0.015	0.1
PMAFR	e P	19:11:34.72	HZ		
	e S	19:12:04.15	HN		
	IAML	19:12:09.52	HZ	0.022	0.5
PARRA	e P	19:11:37.69	HZ		
	e S	19:12:10.35	HN		
	IAML	19:12:11.24	HZ	0.004	0.6
PBAR	e P	19:11:38.46	HZ		
	e S	19:12:11.41	HN		
	IAML	19:12:12.96	HZ	0.002	0.1
PMTG	e P	19:11:40.18	HZ		
	e S	19:12:13.59	HE		
	IAML	19:12:16.51	HZ	0.007	0.4
PESTR	e P	19:11:40.90	HZ		
	e S	19:12:16.19	HN		
	IAML	19:12:18.59	HZ	0.002	0.2
PSBE	e P	19:11:41.31	HZ		
	e S	19:12:18.53	HN		
PSARD	e P	19:11:47.08	HZ		
	e S	19:12:25.43	HN		
	IAML	19:12:28.37	HZ	0.011	0.2
PMRV	e P	19:11:48.50	HZ		
	e S	19:12:28.49	HE		
	IAML	19:12:30.73	HZ	0.005	0.4
PCAS	e P	19:11:51.67	HZ		
	e S	19:12:34.51	HN		
PCBR	e P	19:11:53.05	EZ		
	e S	19:12:37.01	EN		
	IAML	19:12:39.05	EZ	0.002	0.3
PVIS	e P	19:12:02.66	HZ		
	e S	19:12:52.14	HE		
POLO	e P	19:12:10.91	HZ		
	e S	19:13:08.12	HN		
MVO	e S	19:13:08.29	HE		
	IAML	19:13:12.38	HZ	0.003	0.7

29-Jan	Ho	23:46:54.2	Distante (NEIC)	Mw 5.7
	Lat	00.750°N	Lon 126.320°E	Prof 15
	Região: Northern Molucca Sea			
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>
PGAV	e PKPdf	24:05:46.73		BZ
POLO	e PKPdf	24:05:47.42		BZ
PVRL	e PKPdf	24:05:47.35		SZ
MTE	e PKPdf	24:05:48.55		BZ
PVIS	e PKPdf	24:05:47.87		BZ
PCBR	e PKPdf	24:05:47.74		SZ
PMRV	e PKPdf	24:05:48.41		BZ
PCAS	e PKPdf	24:05:49.30		BZ
PBAR	e PKPdf	24:05:49.38		BZ
PSARD	e PKPdf	24:05:48.97		BZ
PESTR	e PKPdf	24:05:49.06		BZ

PMTG	e PKPdf	24:05:50.06	BZ
PARRA	e PKPdf	24:05:50.25	BZ
EVO	e PKPdf	24:05:50.13	BZ
PBEJ	e PKPdf	24:05:50.86	SZ
MOE	e PKPdf	24:05:50.97	BZ
PVAQ	e PKPdf	24:05:50.55	BZ
PCVE	e PKPdf	24:05:51.58	BZ
MESJ	e PKPdf	24:05:51.54	BZ
PBDV	e PKPdf	24:05:52.17	BZ
MORF	e PKPdf	24:05:53.39	BZ

30-Jan	Ho	01:28:06.3	Distante (NEIC)	Mw 5.6
	Lat	35.190°N	Lon 27.910°E	Prof 10
	Região: Dodecanese Islands, Greece			
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>
MVO	e P	01:33:55.66		BZ
	IAMB	01:34:00.94		BZ
	e S	01:38:44.68		LE
PBAR	e P	01:33:56.08		BZ
	IAMB	01:34:01.05		BZ
PMRV	e P	01:33:57.58		BZ
	IAMB	01:34:02.55		BZ
	e S	01:38:48.33		LE
PCBR	e P	01:34:00.05		SZ
	IAMB	01:34:03.72		SZ
MTE	e P	01:33:58.98		BZ
	IAMB	01:34:04.45		BZ
	e S	01:38:49.62		LE
PESTR	e P	01:33:58.73		BZ
	IAMB	01:34:04.06		BZ
PVRL	e P	01:34:00.18		SZ
	IAMB	01:34:05.45		SZ
POLO	e P	01:34:00.85		BZ
	IAMB	01:34:05.37		BZ
PVIS	e P	01:34:01.33		BZ
PVAQ	e P	01:34:01.24		BZ
	IAMB	01:34:07.01		BZ
	e S	01:38:54.52		L2
PCAB	e P	01:34:02.90		SZ
	IAMB	01:34:07.81		SZ
PBEJ	e P	01:34:02.17		SZ
	IAMB	01:34:07.82		SZ
EVO	e P	01:34:03.50		BZ
	IAMB	01:34:08.36		BZ
PARRA	e P	01:34:03.43		BZ
	IAMB	01:34:07.19		BZ
PSARD	e P	01:34:04.27		BZ
	IAMB	01:34:07.66		BZ
PBDV	e P	01:34:04.88		BZ
	IAMB	01:34:08.92		BZ
PCVE	e P	01:34:04.94		BZ
	IAMB	01:34:08.35		BZ
PGAV	e P	01:34:05.49		BZ
	IAMB	01:34:09.10		BZ
	e S	01:38:58.47		LE
PMTG	e P	01:34:05.26		BZ
	IAMB	01:34:08.91		BZ
MESJ	e P	01:34:04.40		BZ
	IAMB	01:34:09.60		BZ
MOE	e P	01:34:06.84		BZ
	IAMB	01:34:11.02		BZ
PCAS	e P	01:34:06.44		BZ
	IAMB	01:34:10.22		BZ
PTO	e P	01:34:06.47		SZ
	IAMB	01:34:11.89		SZ
PTEO	e P	01:34:11.24		BZ
	IAMB	01:34:14.13		BZ
PMPS	e P	01:35:11.95		EZ
	IAMB	01:35:15.17		EZ
PMAR	e P	01:35:16.47		BZ
	IAMB	01:35:20.54		BZ

30-Jan	Ho	04:16:14.5	ML 2.0
	Lat	36.616°N	Lon 11.139°W
	Prof	41*	
	Região:	Gorringe	Rms 0.4
	AxMax	8.3	AxMin 5.3
	Ang	104	ErrZ 0
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur Co Amp Per</i>
PFVI	e P	04:16:42.95	HZ
	e S	04:17:05.15	HN
	IAML	04:17:06.66	HZ 0.008 0.2
MORF	e P	04:16:46.04	HZ
	e S	04:17:09.92	HE
	IAML	04:17:12.26	HZ 0.008 0.4
PTEO	e P	04:16:46.65	HZ
	e S	04:17:10.56	HE
	IAML	04:17:16.52	HZ 0.010 0.6
MESJ	e P	04:16:53.63	HZ
	e S	04:17:22.73	HN
	IAML	04:17:26.52	HZ 0.003 0.3
PCVE	e P	04:16:54.30	HZ
	e S	04:17:23.58	HE
	IAML	04:17:31.07	HZ 0.002 0.3
PMAFR	e S	04:17:24.50	HN
	IAML	04:17:28.04	HZ 0.015 0.7
PVAQ	e P	04:16:56.79	HZ
	e S	04:17:27.79	H2
	IAML	04:17:32.42	HZ 0.004 0.3
MOE	e P	04:16:57.13	HZ
	e S	04:17:29.64	HN
	IAML	04:17:34.24	HZ 0.004 0.7
PBEJ	e S	04:17:30.23	EN
	IAML	04:17:33.75	EZ 0.003 0.7
EVO	e S	04:17:33.96	HN
	IAML	04:17:37.44	HZ 0.004 0.1
PARRA	e P	04:17:02.01	HZ
	e S	04:17:38.01	HN
	IAML	04:17:41.47	HZ 0.002 0.2
PMTG	e P	04:17:03.69	HZ
	e S	04:17:39.09	HE
	IAML	04:17:47.00	HZ 0.002 0.4
PSBE	e S	04:17:40.95	HE
PESTR	e S	04:17:45.74	HN
PBAR	e P	04:17:06.84	HZ
	e S	04:17:46.03	HE
	IAML	04:17:49.04	HZ 0.002 0.2
PSARD	e S	04:17:50.00	HN
	IAML	04:17:52.00	HZ 0.005 0.6
PCAS	e S	04:17:55.36	HN
PMRV	e P	04:17:13.06	HZ
	e S	04:17:56.18	HE
	IAML	04:18:00.45	HZ 0.002 0.6
MTE	e S	04:18:13.35	HE
PVIS	e S	04:18:13.45	HN

30-Jan	Ho	08:04:42.9	ML 2.2
	Lat	36.994°N	Lon 05.153°W
	Prof	21	
	Região:	NW Malaga (ESP)	Rms 0.5
	AxMax	3.6	AxMin 2.7
	Ang	167	ErrZ 4
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur Co Amp Per</i>
PBAR	e Pn	08:05:12.43	HZ
	e Pg	08:05:16.86	HZ
	e Sn	08:05:36.11	HE
	e Sg	08:05:41.87	HE
	IAML	08:05:41.93	HZ 0.011 0.2
PVAQ	e Pn	08:05:12.87	HZ
	e Sn	08:05:39.80	H2
	e Sg	08:05:46.64	H2
	IAML	08:05:52.29	HZ 0.014 1.1
PBDV	e Pn	08:05:17.55	HZ
	e Sn	08:05:43.32	HN
	e Sg	08:05:50.93	HN
	IAML	08:06:00.66	HZ 0.009 0.6
PBEJ	e Sg	08:05:56.81	EE
	IAML	08:06:00.76	EZ 0.006 0.3
PCVE	e Pn	08:05:19.57	HZ
	e Sn	08:05:48.85	HN
	e Sg	08:05:56.11	HE

	IAML	08:06:01.46	HZ	0.007	0.7
MESJ	e Pn	08:05:22.16	HZ		
	e Sn	08:05:51.66	HN		
	e Sg	08:06:02.54	HN		
	IAML	08:06:12.90	HZ	0.005	0.4
PESTR	e Sn	08:05:54.91	HN		
	e Sg	08:06:06.23	HE		
	IAML	08:06:15.87	HZ	0.007	0.6
EVO	e Pn	08:05:25.36	HZ		
	e Sn	08:05:56.73	HE		
	IAML	08:06:09.50	HZ	0.009	0.5
MORF	e Pn	08:05:25.72	HZ		
	e Pg	08:05:32.52	HZ		
	e Sn	08:05:58.95	HE		
	e Sg	08:06:09.84	HE		
	IAML	08:06:16.20	HZ	0.004	0.2
PARRA	e Pn	08:05:26.53	HZ		
	e Pg	08:05:34.81	HZ		
	e Sn	08:06:00.92	HE		
	e Sg	08:06:12.57	HN		
	IAML	08:06:16.22	HZ	0.006	0.5
MOE	e Pn	08:05:28.14	HZ		
	e Sn	08:06:02.10	HN		
	e Sg	08:06:14.46	HN		
	IAML	08:06:19.00	HZ	0.008	0.7
PMRV	e Pn	08:05:27.70	HZ		
	e Sg	08:06:15.15	HN		
	IAML	08:06:19.12	HZ	0.007	0.4
PMTG	e Pn	08:05:30.89	HZ		
	e Sn	08:06:06.97	HN		
	e Sg	08:06:19.03	HN		
	IAML	08:06:23.70	HZ	0.004	0.8
PSBE	e Sn	08:06:23.01	HN		
PCAS	e Sg	08:06:46.79	HE		
	IAML	08:06:51.31	HZ	0.006	0.8

30-Jan	Ho	08:09:22.3	ML 1.7
	Lat	37.064°N	Lon 05.202°W
	Prof	17	
	Região:	SE Sevilha (ESP)	Rms 0.4
	AxMax	3.0	AxMin 2.6
	Ang	166	ErrZ 4
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur Co Amp Per</i>
PBAR	e Pg	08:09:55.45	HZ
	e Sg	08:10:19.05	HN
	IAML	08:10:20.79	HZ 0.003 0.3
PVAQ	e Pn	08:09:54.22	HZ
	e Sn	08:10:20.05	H1
	e Sg	08:10:25.37	H2
	IAML	08:10:29.66	HZ 0.003 0.6
PBDV	e Pn	08:09:56.36	HZ
	e Sn	08:10:23.19	HN
PCVE	e Sg	08:10:36.34	HN
	IAML	08:10:38.29	HZ 0.002 0.4
PESTR	e Sn	08:10:34.15	HN
PARRA	e Sn	08:10:38.45	HE
	e Sg	08:10:49.56	HN
	IAML	08:10:54.57	HZ 0.002 0.7
PMRV	e Sg	08:10:52.25	HE
	IAML	08:10:55.21	HZ 0.002 0.6
PMTG	e Sn	08:10:45.14	HN
PSARD	e Sn	08:10:53.68	HN
	IAML	08:11:13.77	HZ 0.004 0.2

30-Jan	Ho	11:21:37.2	Distante (NEIC)		Mw	5.8
	Lat	35.230°N	Lon	27.810°E	Prof	10
	Região: Dodecanese Islands, Greece					
Est	Fase	P	h:m:s	Dur	Co	Amp Per
MVO	e P		11:27:25.34		BZ	
	I Amb		11:27:39.87		BZ	0.184 1.7
	i S		11:32:09.42		LE	
PBAR	e P		11:27:26.40		BZ	
	I Amb		11:28:13.35		BZ	0.138 1.7
PMRV	e P		11:27:28.08		BZ	
	I Amb		11:27:47.64		BZ	0.125 1.3
	i S		11:32:15.97		LE	

MTE	e LQ	23:48:20.98	LN		
	e LR	23:51:29.89	LZ		
	IAMS_20	24:02:46.40	LZ	4.021	20
PMRV	e LQ	23:42:19.23	LE		
	e LR	23:50:42.73	LZ		
	IAMS_20	24:02:38.68	LZ	2.091	20
PVAQ	e LQ	23:42:16.73	L2		
	e LR	23:46:37.58	LZ		
	IAMS_20	24:05:34.08	LZ	1.286	20
PMOZ	IAMS_20	24:04:48.42	LZ	1.420	22

31-Jan	Ho	00:16:50.3	Lat 41.669°N	Lon 07.376°W	ML 1.0
					Prof 1
			Região: NW Valpaços		Rms 0.4
	AxMax	6.7	AxMin	4.8	Ang 50
					ErrZ 15
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp Per</i>
POLO	e Pg	c 00:16:58.06		HZ	
	IAML	00:17:04.15		HZ	0.003 0.8
	e Sg	00:17:04.50		HN	
PVRL	e Pg	00:16:58.80		SZ	
	e Sg	00:17:04.90		SE	
	IAML	00:17:06.46		SZ	0.016 0.1
PCAB	e Pg	00:16:59.32		EZ	
	e Sg	00:17:05.94		EN	
	IAML	00:17:06.49		EZ	0.020 0.1
MVO	e P	00:17:01.33		HZ	
	e S	00:17:07.76		HE	
	IAML	00:17:12.13		HZ	0.004 0.2
PGAV	e P	00:17:03.70		HZ	
	e S	00:17:13.13		HN	
	IAML	00:17:16.66		HZ	0.003 0.1

31-Jan	Ho	01:26:47.6	Distante (NEIC)		mb 4.8	
	Lat	45.740°N	Lon	26.660°E	Prof 120	
Região: Romania						
Est	Fase	P h:m:s	Dur	Co	Amp	Per
MVO	e P	01:31:56.58		BZ		
	Iamb	01:31:59.78		BZ	0.061	1.9
PVRL	e P	01:32:00.70		SZ		
	Iamb	01:32:04.59		SZ	0.053	1.6
POLO	e P	01:32:01.11		BZ		
PCAB	e P	01:32:01.64		SZ		
PGAV	e P	01:32:01.78		BZ		
MTE	e P	01:32:02.70		BZ		
	Iamb	01:32:04.44		BZ	0.049	1.8
PVIS	e P	01:32:04.06		BZ		
PCBR	e P	01:32:03.83		SZ		
PMRV	e P	01:32:05.01		BZ		
	Iamb	01:32:05.69		BZ	0.032	1.5
PTO	e P	01:32:06.44		SZ		
	Iamb	01:32:08.43		SZ	0.113	1.6
PBAR	e P	01:32:07.47		BZ		
	Iamb	01:32:10.10		BZ	0.037	2.0
PESTR	e P	01:32:08.23		BZ		
	Iamb	01:32:08.93		BZ	0.026	0.9
PSARD	e P	01:32:09.85		BZ		
PCAS	e P	01:32:10.30		BZ		
	Iamb	01:32:11.96		BZ	0.050	1.4
PARRA	e P	01:32:11.36		BZ		
PMTG	e P	01:32:11.60		BZ		
EVO	e P	01:32:12.29		BZ		
PBEJ	e P	01:32:14.08		SZ		
PVAQ	e P	01:32:15.90		BZ		
PCVE	e P	01:32:17.11		BZ		
PBDV	e P	01:32:18.17		BZ		
PMAR	e P	01:33:35.24		BZ		
	Iamb	01:33:36.78		BZ	0.139	1.1
PMOZ	e P	01:33:36.09		BZ		
	Iamb	01:33:39.61		BZ	0.138	1.7

31-Jan	Ho	04:34:38.2	Distante (NEIC)	mb 4.7		
	Lat	35.240°N	Lon 27.970°E	Prof 10		
	Região: Dodecanese Islands, Greece					
Est	Fase	P h:m:s	Dur	Co	Amp	Per
MVO	e P	04:40:28.76		BZ		

PBAR	e P	04:40:29.46	BZ	
PMRV	e P	04:40:30.93	BZ	
PCBR	e P	04:40:31.91	SZ	
PESTR	e P	04:40:32.52	BZ	
POLO	e P	04:40:33.89	BZ	
PVAQ	e P	04:40:34.42	BZ	
PBEJ	e P	04:40:35.05	SZ	
EVO	e P	04:40:35.66	BZ	
PARRA	e P	04:40:36.17	BZ	
PBDV	e P	04:40:36.72	BZ	
MESJ	e P	04:40:38.74	BZ	
MOE	e P	04:40:39.57	BZ	

31-Jan	Ho	05:13:32.5	Lat 36.623°N	Lon 09.779°W	ML 1.5
					Prof 16
			Região: SW Cabo S.Vicente		Rms 0.3
	AxMax	5.0	AxMin	4.4	Ang 52
					ErrZ 5
<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	c 05:13:48.88		HZ	
	e S	05:14:01.40		HE	
	IAML	05:14:02.08		HZ	0.004 0.1
MORF	e P	05:13:52.06		HZ	
	e S	05:14:06.95		HN	
	IAML	05:14:10.29		HZ	0.005 0.2
PTEO	e P	05:13:53.84		HZ	
	e S	05:14:09.68		HE	
	IAML	05:14:10.46		HZ	0.006 0.2
PBDV	e P	c 05:13:58.52		HZ	
	e S	05:14:18.47		HE	
	IAML	05:14:25.39		HZ	0.001 0.1
PCVE	e P	05:14:00.31		HZ	
	e S	05:14:21.83		HN	
	IAML	05:14:23.01		HZ	0.002 0.2
MESJ	e P	05:14:00.43		HZ	
	e S	05:14:21.29		HN	
	IAML	05:14:25.22		HZ	0.002 0.1
PVAQ	e P	c 05:14:01.48		HZ	
	e S	05:14:23.16		HZ	
	IAML	05:14:26.69		HZ	0.002 0.1
MOE	e S	05:14:33.04		HN	
	IAML	05:14:35.60		HZ	0.003 0.2
PMAFR	e P	05:14:08.82		HZ	
	e S	05:14:36.11		HN	
	IAML	05:14:38.47		HZ	0.008 0.1
PARRA	e P	05:14:12.09		HZ	
	e S	05:14:41.66		HE	
	IAML	05:14:43.66		HZ	0.002 0.1
PBAR	e P	05:14:13.23		HZ	
	e S	05:14:44.46		HN	
	IAML	05:14:46.91		HZ	0.001 0.2
PMTG	e P	05:14:14.16		HZ	
	e S	05:14:44.73		HE	
	IAML	05:14:47.64		HZ	0.001 0.1
PESTR	e S	05:14:47.69		HE	
	IAML	05:14:50.12		HZ	0.001 0.2
PSARD	e P	05:14:20.89		HZ	
	e S	05:14:56.66		HN	
	IAML	05:15:00.50		HZ	0.003 0.2
PMRV	e P	05:14:22.72		HZ	
	e S	05:15:00.04		HN	
	IAML	05:15:01.89		HZ	0.001 0.2

31-Jan	Ho	10:33:02.91	Lat 36.623°N	Lon 09.779°W	ML 1.5
					Prof 16
			Região: SW Cabo S.Vicente		Rms 0.3
<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	10:33:02.91		HZ	
	e S	10:34:17.23		HE	
PMAR	e P	10:33:06.01		HZ	
	e S	10:34:23.27		H1	
PMPS	e P	10:33:07.91		EZ	
PMPST	e P	10:33:08.33		HZ	
	e S	10:34:25.20		HE	
PMAFR	e S	10:36:13.69		BE	
PTEO	e S	10:36:21.50		BN	
PFVI	e S	10:36:22.58		BN	
MOE	e S	10:36:28.92		BE	

PCAS	e S	10:36:29.05	BE
MESJ	e S	10:36:29.08	BE
PMTG	e S	10:36:32.67	BE
PCVE	e S	10:36:34.57	BE
PARRA	e S	10:36:34.86	BE
PSARD	e S	10:36:35.56	BE
PBEJ	e S	10:36:37.19	SN
PESTR	e S	10:36:39.87	BE
PVAQ	e S	10:36:40.86	B1
PBDV	e S	10:36:40.86	BE
PGAV	e S	10:36:42.89	BE
PVIS	e S	10:36:43.22	BE
PMRV	e S	10:36:46.53	BN
PCAB	e S	10:36:46.59	SE
PCBR	e S	10:36:47.57	SN
PBAR	e S	10:36:51.36	BE
MTE	e S	10:36:51.65	BE

31-Jan						
Est	Fase	P h:m:s	Dur	Co	Amp	Per
PVAQ	e P	11:37:33.48		HZ		
	e S	11:38:08.21		H2		
	IAML	11:38:08.90		HZ	0.001	0.1
PBAR	e P	11:37:36.40		HZ		
	e S	11:38:11.96		HE		
	IAML	11:38:13.84		HZ	0.001	0.1
MESJ	e P	11:37:41.72		HZ		
PARRA	e P	11:37:49.63		HZ		
	e S	11:38:35.51		HE		
PCBR	e S	11:38:49.53		EE		

31-Jan Ho 12:27:01.0 Distant (NEIC) mb 5.4						
Lat 08.269°S Lon 156.533°E Prof 10						
Região: Solomon Islands						
Est	Fase	P h:m:s	Dur	Co	Amp	Per
PGAV	e PKP	12:46:37.14		BZ		
POLO	e PKP	12:46:36.88		BZ		
PVIS	e PKP	12:46:40.34		BZ		
MTE	e PKP	12:46:40.56		BZ		
PCBR	e PKP	12:46:40.97		SZ		
PMRV	e PKP	12:46:42.76		BZ		
PSARD	e PKP	12:46:43.27		BZ		
PMTG	e PKP	12:46:44.55		BZ		
PARRA	e PKP	12:46:44.80		BZ		
PBAR	e PKP	12:46:44.67		BZ		
EVO	e PKP	12:46:45.06		BZ		
PMAFR	e PKP	12:46:46.21		BZ		
PBEJ	e PKP	12:46:47.36		SZ		
MESJ	e PKP	12:46:47.51		BZ		
PCVE	e PKP	12:46:47.38		BZ		
PVAQ	e PKP	12:46:48.76		BZ		
PBDV	e PKP	12:46:49.78		BZ		
MORF	e PKP	12:46:50.80		BZ		
PFVI	e PKP	12:46:50.55		BZ		

31-Jan Ho 12:29:00.0 Distant (NEIC) mb 5.1						
Lat 08.349°S Lon 156.510°E Prof 10						
Região: Solomon Islands						
Est	Fase	P h:m:s	Dur	Co	Amp	Per
PVIS	e PKP	12:48:39.66		BZ		
PCBR	e PKP	12:48:40.39		SZ		
PMRV	e PKP	12:48:41.60		BZ		
PSARD	e PKP	12:48:42.49		BZ		
PMTG	e PKP	12:48:43.22		BZ		
PARRA	e PKP	12:48:43.62		BZ		
PBAR	e PKP	12:48:43.14		BZ		
EVO	e PKP	12:48:45.24		BZ		
PMAFR	e PKP	12:48:46.86		BZ		
PBEJ	e PKP	12:48:47.10		SZ		
PVAQ	e PKP	12:48:48.07		BZ		
PBDV	e PKP	12:48:49.93		BZ		

31-Jan Ho 13:53:30.9 Distant (NEIC) Mw 5.7						
Lat 25.360°S Lon 178.500°E Prof 576						
Região: South of Fiji Islands						
Est	Fase	P h:m:s	Dur	Co	Amp	Per
PCAB	e PKPab	14:13:21.68		SZ		
PTO	e PKPab	14:13:22.87		SZ		
MVO	e PKPdf	14:12:30.71		BZ		
	e PKPab	14:13:23.93		BZ		
PVIS	e PKPab	14:13:25.38		BZ		
MTE	e PKPdf	14:12:30.96		BZ		
	e PKPab	14:13:27.25		BZ		
PCAS	e PKPab	14:13:27.58		BZ		
PSBE	e PKPab	14:13:26.99		BZ		
PCBR	e PKPdf	14:12:30.80		SZ		
	e PKPab	14:13:29.74		SZ		
PMPST	e PKPab	14:13:31.60		BZ		
PMRV	e PKPdf	14:12:31.05		BZ		
	e PKPab	14:13:31.78		BZ		
PARRA	e PKPdf	14:12:31.47		BZ		
	e PKPab	14:13:32.90		BZ		
PESTR	e PKPdf	14:12:31.81		BZ		
	e PKPab	14:13:33.62		BZ		
MOE	e PKPdf	14:12:31.97		BZ		
	e PKPab	14:13:34.03		BZ		
EVO	e PKPdf	14:12:32.14		BZ		
	e PKPab	14:13:34.67		BZ		
PBEJ	e PKPdf	14:12:32.90		SZ		
	e PKPab	14:13:36.95		SZ		
MESJ	e PKPab	14:13:36.36		BZ		
PTEO	e PKPdf	14:12:32.90		BZ		
	e PKPab	14:13:37.51		BZ		
PCVE	e PKPdf	14:12:32.98		BZ		
	e PKPab	14:13:38.33		BZ		
MORF	e PKPdf	14:12:33.24		BZ		
	e PKPab	14:13:38.37		BZ		
PFVI	e PKPdf	14:12:33.32		BZ		
	e PKPab	14:13:38.81		BZ		
PVAQ	e PKPdf	14:12:33.40		BZ		
	e PKPab	14:13:39.67		BZ		
PBDV	e PKPdf	14:12:33.82		BZ		
	e PKPab	14:13:40.68		BZ		

31-Jan Ho 19:31:14.0 ML 0.8						
Lat 38.343°N Lon 08.573°W Prof 5						
Região: SW Alcácer do Sal Rms 0.4						
AxMax 4.7 AxMin 2.0 Ang 97 ErrZ 6						
Est	Fase	P h:m:s	Dur	Co	Amp	Per
MOE	i Pg	c 19:31:19.14		HZ		
	e Sg	19:31:22.99		HN		
	IAML	19:31:23.58		HZ	0.003	0.1
EVO	e Pg	d 19:31:22.92		HZ		
	e Sg	19:31:29.41		HN		
	IAML	19:31:30.06		HZ	0.003	0.3
MESJ	e Pg	19:31:24.30		HZ		
	e Sg	19:31:32.64		HE		
	IAML	19:31:33.82		HZ	0.002	0.2
PARRA	e Pg	19:31:25.55		HZ		
	e Sg	19:31:34.02		HE		
	IAML	19:31:34.58		HZ	0.003	0.3
PMTG	e P	19:31:28.08		HZ		
	e S	19:31:37.83		HN		
	IAML	19:31:38.78		HZ	0.004	0.2
PTEO	e P	19:31:28.93		HZ		
	e S	19:31:39.36		HN		
	IAML	19:31:41.45		HZ	0.004	0.2
PCVE	e P	19:31:28.94		HZ		
	e S	19:31:39.76		HN		
	IAML	19:31:41.90		HZ	0.001	0.1
PMAFR	e S	19:31:40.48		HN		
PESTR	e S	19:31:43.56		HE		
	IAML	19:31:45.36		HZ	0.001	0.1
MORF	e P	19:31:33.12		HZ		
	e S	19:31:46.68		HE		
	IAML	19:31:48.02		HZ	0.002	0.2

PVAQ	e P	19:31:35.56	HZ		
	e S	19:31:50.11	H2		
	IAML	19:31:51.17	HZ	0.001	0.3
PBDV	e P	19:31:36.10	HZ		
	e S	19:31:53.27	HN		
	IAML	19:31:54.23	HZ	0.001	0.1
PBAR	e P	19:31:36.38	HZ		
	e S	19:31:52.62	HE		
	IAML	19:31:54.19	HZ	0.001	0.4
PFVI	e S	19:31:52.27	HE		
PSARD	e Sn	19:31:54.58	HN		
	IAML	19:31:56.49	HZ	0.002	0.2
PMRV	e Sn	19:31:57.79	HE		
	IAML	19:31:59.03	HZ	0.001	0.1

31-Jan	Ho	19:38:09.8		ML 1.4	
	Lat	36.453°N	Lon	09.292°W	Prof 10
	Região:	SW Cabo S.Vicente			Rms 0.5
	AxMax	15.4	AxMin	8.4	Ang 96 ErrZ 10
<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	19:38:23.89		HZ	
	e S	19:38:34.87		HN	
	IAML	19:38:37.49		HZ	0.009 0.1
MORF	e P	19:38:27.00		HZ	
	e S	19:38:40.99		HN	
	IAML	19:38:43.76		HZ	0.008 0.1
PTEO	e P	19:38:30.02		HZ	
	e S	19:38:45.94		HN	
	IAML	19:38:48.14		HZ	0.008 0.5
PBDV	e Pn	19:38:32.90		HZ	
	e Sn	19:38:50.52		HE	
	IAML	19:38:51.88		HZ	0.002 0.1
PCVE	e Sn	19:38:54.03		HN	
	IAML	19:39:01.92		HZ	0.002 0.6
PVAQ	e Pn	19:38:36.70		HZ	
	e Sn	19:38:56.17		H1	
	IAML	19:38:59.42		HZ	0.003 0.1
MOE	e Pn	19:38:45.49		HZ	
	e Sn	19:39:11.39		HN	
	IAML	19:39:27.57		HZ	0.003 0.6
EVO	e Sn	19:39:13.02		HE	
	IAML	19:39:23.93		HZ	0.002 0.1
PBAR	e Pn	19:38:47.68		HZ	
	e Sn	19:39:17.08		HN	
PARRA	e Pn	19:38:49.62		HZ	
	e Sn	19:39:19.79		HN	
	IAML	19:39:32.43		HZ	0.001 0.2
PMTG	e Pn	19:38:52.59		HZ	
	e Sn	19:39:22.94		HN	
	IAML	19:39:37.15		HZ	0.001 0.1
PMRV	e Pn	19:39:00.05		HZ	
	e Sn	19:39:37.04		HE	

31-Jan	Ho	19:39:35.9		ML 1.2	
	Lat	36.478°N	Lon	09.361°W	Prof 14
	Região:	SW Cabo S.Vicente			Rms 0.4
	AxMax	21.4	AxMin	10.0	Ang 116 ErrZ 8
<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	19:39:50.03		HZ	
	e S	19:40:00.98		HN	
	IAML	19:40:03.72		HZ	0.005 0.1
MORF	e P	19:39:53.09		HZ	
	e S	19:40:07.47		HE	
	IAML	19:40:10.66		HZ	0.004 0.1
PTEO	e P	19:39:56.22		HZ	
	e S	19:40:11.69		HN	
	IAML	19:40:14.17		HZ	0.005 0.4
PBDV	e Pn	19:39:58.65		HZ	
	e Sn	19:40:16.38		HN	
	IAML	19:40:18.00		HZ	0.001 0.1
PCVE	e Pn	19:40:02.09		HZ	
	e Sn	19:40:21.28		HE	
	IAML	19:40:28.69		HZ	0.001 0.1
PVAQ	e Pn	19:40:02.87		HZ	
	e Sn	19:40:22.25		H2	

	IAML	19:40:25.70	HZ	0.001	0.4
MESJ	e Pn	19:40:03.04	HZ		
	e Sn	19:40:24.57	HE		
	IAML	19:40:33.07	HZ	0.001	0.2
MOE	e Pn	19:40:11.72	HZ		
PBAR	e Sn	19:40:42.66	HE		

31-Jan	Ho	20:07:40.6		ML 0.4	
	Lat	37.280°N	Lon	08.579°W	Prof 11
	Região:	SW Monchique			Rms 0.3
	AxMax	6.2	AxMin	4.0	Ang 139 ErrZ 9
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp Per</i>
MORF	e P	20:07:42.64		HZ	
	e S	20:07:44.57		HN	
	IAML	20:07:44.87		HZ	0.014 0.1
PFVI	e P	20:07:45.50		HZ	
	e S	20:07:48.92		HN	
	IAML	20:07:50.25		HZ	0.003 0.1
PTEO	e S	20:07:50.32		HN	
PBDV	e S	20:07:57.51		HN	
PCVE	e Sn	20:07:56.05		HE	
	IAML	20:08:02.09		HZ	0.001 0.2
PVAQ	e P	20:07:53.68		HZ	
	e S	20:08:02.27		H2	
	IAML	20:08:04.21		HZ	0.001 0.1

31-Jan	Ho	21:21:11.6		ML 1.2	
	Lat	39.175°N	Lon	10.051°W	Prof 8
	Região:	Canhão da Nazaré			Rms 0.5
	AxMax	18.1	AxMin	10.7	Ang 97 ErrZ 9
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp Per</i>
PMAFR	e P	21:21:23.32		HZ	
	e S	21:21:32.03		HN	
	IAML	21:21:33.53		HZ	0.011 0.1
PSBE	e P	21:21:29.98		HZ	
	e S	21:21:44.65		HN	
PMTG	e P	21:21:35.29		HZ	
	e S	21:21:54.91		HE	
	IAML	21:21:57.04		HZ	0.002 0.2
MOE	e P	21:21:37.05		HZ	
	e S	21:21:52.79		HN	
	IAML	21:21:53.44		HZ	0.007 0.2
PSARD	e S	21:21:56.98		HN	
	IAML	21:22:06.30		HZ	0.004 0.7
PARRA	e P	21:21:39.54		HZ	
	e S	21:21:58.87		HN	
	IAML	21:22:00.04		HZ	0.002 0.4
EVO	e S	21:22:00.58		HE	
	IAML	21:22:02.03		HZ	0.003 0.1
PESTR	e S	21:22:09.49		HN	
PMRV	e S	21:22:12.20		HN	
PCVE	e S	21:22:13.67		HE	
PVAQ	e -	21:22:24.81		H1	

31-Jan	Est	Fase	P h:m:s	Dur	Co	Amp Per
	PESTR	e SKPab	22:32:37.02		BZ	
	PBAR	e SKPab	22:32:37.35		BZ	
	PSARD	e SKPab	22:32:38.30		BZ	
	PARRA	e SKPab	22:32:38.67		BZ	
		e SKPdf	22:32:51.93		BZ	
	EVO	e SKPab	22:32:39.23		BZ	
	PBEJ	e SKPab	22:32:39.61		SZ	
	PVAQ	e SKPab	22:32:40.04		BZ	
	MOE	e SKPab	22:32:40.05		BZ	
		e SKPdf	22:32:52.63		BZ	
	MESJ	e SKPab	22:32:40.86		BZ	
	PCVE	e SKPab	22:32:40.98		BZ	
	PBDV	e SKPab	22:32:41.32		BZ	
	MORF	e SKPab	22:32:42.99		BZ	

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

CARTA DE EPICENTROS - Zona Ibérica e Atlântica Adjacente Janeiro 2020

