

BOLETIM SISMOLÓGICO PRELIMINAR DOS AÇORES

Boletim Sismológico Preliminar dos Açores
Editado — 2019

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Delegação Regional dos Açores

BOLETIM SISMOLÓGICO PRELIMINAR DOS AÇORES

FEVEREIRO DE 2019

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)

nota: Para cálculo de alguns sismos foram usados dados de estações móveis, não cabendo por isso as suas fases no âmbito deste boletim.

Lista de Estações

Estação	Local	Sensor/Dinam	Canais	Latitude	Longitude	Alt	Org
São Miguel							
PDA	Ponta Delgada	LE3D-1s / 20bits	SH*	37.7467°N	25.6633°W	35 m	I.P.M.A.
BART	S. Bartolomeu	LE3D-20s / 20bits	HH*	37.7772°N	25.1688°W	887 m	I.P.M.A.
PSET	Pereiro	CMG-3T/ 24bits	HH*/BH*/LH*	37.8233°N	25.7208°W	475 m	I.P.M.A.
CMLA	Chã de Macela	STS-2 / 24bits	HH*/BH*/LH*	37.7637°N	25.5243°W	428 m	IRIS
PGRON	Grota Negra	LE3D-5s / 20bits	EH*	37.7705°N	25.3746°W	600 m	I.P.M.A.
PCALD	Caldeiras	LE3D-5s / 24 bits	EH*	37.7971°N	25.4876°W	272 m	I.P.M.A.
PMOS	Mosteiros	AC 2x / 24bits	HN*	37.8903°N	25.8212°W	30 m	I.S.T./I.P.M.A.
PRIG	Ribeira Grande	AC 2x / 24bits	HN*	37.8150°N	25.5278°W	50 m	I.S.T./I.P.M.A.
POVGA	Atalhada	AC 2x / 24bits	HN*	37.7428°N	25.5883°W	11 m	I.S.T./I.P.M.A.
PNOR2	Nordeste	AC 2x / 24bits	HN*	37.8353°N	25.1461°W	140 m	I.S.T./I.P.M.A.
PPOV	Povoação	AC 2x / 24bits	HN*	37.7486°N	25.2450°W	20 m	I.S.T./I.P.M.A.
Santa Maria							
PSMA	Faneca	LE3D-5s / 20bits	SH*	36.9853°N	25.1369°W	195 m	I.P.M.A.
PSMN	Igreja do Norte	CMG-3ESPc / 24bits	HH*/BH*/LH*	37.0031°N	25.0654°W	276 m	I.P.M.A.
Terceira							
ADH	Angra Heroísmo	LE3D-1s / 20bits	SH*	38.6592°N	27.2242°W	83 m	I.P.M.A.
PSCM	Serra do Cume	LE3D-5s / 20bits	EH*	38.7007°N	27.1173°W	360 m	I.P.M.A.
PAGU	Agualva	CMG-3ESP / 24bits	HH*/BH*/LH*	38.7673°N	27.1841°W	220 m	I.P.M.A.
PSBA	Santa Bárbara	LE3D-5s / 20 bits	EH*	38.7673°N	27.3246°W	453 m	I.P.M.A.
PPV	Praia da Vitória	AC 2x / 24bits	HN*	38.7308°N	27.0661°W	60 m	I.S.T./I.P.M.A.
PPJ	Porto Judeu	AC 2x / 24bits	HN*	38.6491°N	27.1138°W	40 m	I.S.T./I.P.M.A.

Faial

HOR	Horta	LE3D-1s / 20bits	SH*	38.5300°N	28.6300°W	60 m	I.P.M.A.
CALA	Caldeira	LE3D-20s / 24bits	HH*/BH*/LH*	38.5813°N	28.7020°W	911 m	I.P.M.A.
PCED	Cedros	LE3D-5s / 20bits	EH*	38.6186°N	28.7003°W	189 m	I.P.M.A.
PFCBR	Castelo Branco	CMG-5Tc / 24bits	HN*	38.5215°N	28.7168°W	33 m	I.P.M.A.
PCAPE	Capelo	AC 2x / 24bits	HN*	38.5968°N	28.8261°W	16 m	I.S.T./I.P.M.A.
PRIB2	Ribeirinha	AC 2x / 24bits	HN*	38.5930°N	28.6128°W	130 m	I.S.T./I.P.M.A.

Pico

PICO	Cabeço Redondo	CMG-3ESP / 24bits	HH*/BH*/LH*	38.5008°N	28.4255°W	775 m	I.P.M.A.
PID	Piedade	LE3D-5s / 20bits	EH*	38.4422°N	28.1192°W	450 m	I.P.M.A.
PCAN	Candelária	CMG-3ESP / 24bits	HH*/BH*/LH*	38.4636°N	28.4853°W	400 m	I.P.M.A.
PPNO	Prainha do Norte	LE3D-5s / 20bits	EH*	38.4716°N	28.2638°W	725 m	I.P.M.A.
PMAD	Madalena	AC 2x / 24bits	HN*	38.5353°N	28.5053°W	70 m	I.S.T./I.P.M.A.
PLAJ	Lajes do Pico	AC 2x / 24bits	HN*	38.4020°N	28.2541°W	60 m	I.S.T./I.P.M.A.
PROQ	S. Roque do Pico	AC 2x / 24bits	HN*	38.5245°N	28.3213°W	30 m	I.S.T./I.P.M.A.

São Jorge

ROSA	Rosais	CMG-3ESPc / 24bits	HH*/BH*/LH*	38.7208°N	28.2470°W	310 m	I.P.M.A.
PMAN	Manadas	LE3D-5s / 20bits	EH*	38.6323°N	28.0890°W	180 m	I.P.M.A.
PTOPO	Topo	AC 2x / 24bits	HN*	38.5490°N	27.7600°W	42 m	I.S.T./I.P.M.A.

Graciosa

PGRA	Caldeira	CMG-3ESPc / 24bits	HH*/BH*/LH*	39.0293°N	27.9813°W	245 m	I.P.M.A.
SRBC	Serra Branca	LE3D-5s / 20bits	SH*	39.0363°N	28.0398°W	312 m	I.P.M.A.

Flores

H07S1	Flores	STS-2 / 24bits	HH*/BH*/LH*	39.3785°N	31.2060°W	478 m	CTBTO
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Corvo

H07N1	Corvo	GS-13 / 24bits	EH*	39.6912°N	31.1195°W	471 m	CTBTO
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Sensores: L4C – Mark L4, 2Hz; LE3D - Lennartz LE3D: 1 seg, 5 seg ou 20 seg
STS1 - Streckeisen STS-1; STS2 - Streckheisen STS-2, 120 seg; GS-13 – Geotech;
CMG-40T - Guralp CMG-40T, 30 seg; CMG-3T – Guralp CMG-3T, 120 seg;
CMG-3ESPc - Guralp CMG-3ESP Compact, 120 seg;
CMG-5Tc - Guralp Accelerometer, AC 2x - GeoSig Accelerometer

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

Canais: Códigos SEED [abc]:

- a - banda (E - extremely short period; S - short period; H - high broadband;
B - broadband; L - long period; V – very long period, N - accelerometer);
- b - sensibilidade do sismómetro (H- alto ganho; L- baixo ganho);
- c - componentes (Z- Vertical; * - Vertical, Norte - Sul e Este - Oeste)

I.P.M.A. - Instituto Português do Mar e da Atmosfera

IRIS – Incorporated Research Institutions for Seismology

I.S.T. - Instituto Superior Técnico

I.G.N. - Instituto Geográfico Nacional

CTBTO - Comprehensive nuclear-Test-Ban Treaty Organization

Listagem de Hipocentros dos Sismos Próximos

Data	Hora	Lat	Lon	Prof	Mag	Região	Rms	Int
01-02-2019	11:52:32.0	36.738°N	24.318°W	10*	2.6 ml	Falha da Gloria	0.1	
02-02-2019	04:31:34.8	38.500°N	28.413°W	10*	1.7 ml	Pico (Ilha do Pico)	0.2	
02-02-2019	11:59:09.6	38.401°N	26.978°W	5*	2.3 ml	SE Terceira (Castromar)	0.3	
03-02-2019	01:29:12.0	38.687°N	29.266°W	9	2.1 ml	W Faial	0.2	
03-02-2019	22:05:12.3	38.731°N	29.217°W	5*	3.6 ml	W Faial	0.4	II/III
03-02-2019	23:24:24.7	37.749°N	25.440°W	5*	1.6 ml	Maciço do Fogo	0.3	
03-02-2019	23:31:40.6	38.725°N	29.275°W	5*	2.5 ml	W Faial	0.3	
03-02-2019	23:41:59.8	38.648°N	29.264°W	5*	2.4 ml	W Faial	0.2	
04-02-2019	02:11:53.0	38.699°N	29.243°W	5*	3.5 ml	W Faial	0.3	
04-02-2019	02:16:00.1	38.675°N	29.054°W	13	2.1 ml	W Faial	0.1	
04-02-2019	06:30:08.4	37.529°N	25.311°W	5*	1.9 ml	S S. Miguel	0.3	
04-02-2019	09:34:22.3	38.716°N	29.180°W	4	2.2 ml	W Faial	0.2	
05-02-2019	05:03:24.9	37.767°N	25.345°W	5*	0.6 ml	Maciço das Furnas	0.2	
05-02-2019	05:03:33.3	37.761°N	25.420°W	5	1.2 ml	Congro (S. Miguel)	0.1	
05-02-2019	05:09:56.4	37.758°N	25.465°W	5*	0.8 ml	Maciço do Fogo	0.3	
05-02-2019	05:09:59.9	37.760°N	25.411°W	7	1.3 ml	Congro (S. Miguel)	0.1	
05-02-2019	05:16:42.9	37.762°N	25.406°W	7	1.1 ml	Congro (S. Miguel)	0.1	
05-02-2019	07:35:52.3	37.505°N	25.179°W	5*	3.6 ml	Banco Grande Norte	0.4	
05-02-2019	07:38:31.7	37.511°N	25.169°W	5*	3.0 ml	Banco Grande Norte	0.3	
05-02-2019	09:27:18.6	38.569°N	29.590°W	5*	3.4 ml	W Faial	0.2	
05-02-2019	12:36:15.6	38.335°N	26.830°W	5*	2.4 ml	SE Terceira (Castromar)	0.2	
07-02-2019	19:23:05.0	37.758°N	25.476°W	5*	1.3 ml	Maciço do Fogo	0.3	
11-02-2019	15:30:14.3	37.769°N	25.447°W	3	2.6 ml	Maciço do Fogo	0.3	II
13-02-2019	00:59:37.7	38.514°N	28.116°W	20	1.7 ml	Canal de S. Jorge	0.2	
13-02-2019	06:38:19.7	37.392°N	24.627°W	5*	2.5 ml	Fossa da Povoação	0.2	
13-02-2019	11:33:55.0	38.711°N	29.031°W	6	2.5 ml	W Faial	0.2	
14-02-2019	00:39:51.2	37.715°N	25.187°W	12	1.9 ml	S Maciço da Povoação	0.1	
14-02-2019	08:58:51.5	38.765°N	29.216°W	5*	2.1 ml	W Faial	0.3	
15-02-2019	09:51:58.5	36.876°N	24.017°W	10*	3.6 ml	Falha da Gloria	0.4	
16-02-2019	04:38:44.5	38.709°N	27.276°W	5*	1.1 ml	Serra Sta. Barbara	0.3	
16-02-2019	04:43:51.0	38.763°N	27.259°W	5*	0.6 ml	Serra Sta. Barbara	0.3	
16-02-2019	04:46:45.1	38.784°N	27.279°W	5*	1.1 ml	Serra Sta. Barbara	0.1	
16-02-2019	04:47:06.1	38.703°N	27.255°W	5*	1.1 ml	S Caldeira Guilherme Moni	0.4	
16-02-2019	04:53:25.1	38.723°N	27.298°W	5*	0.6 ml	Serra Sta. Barbara	0.2	
16-02-2019	04:59:05.9	38.749°N	27.315°W	10*	1.1 ml	Serra Sta. Barbara	0.3	
16-02-2019	05:32:32.7	38.776°N	27.262°W	5*	1.4 ml	N Caldeira Guilherme Moniz	0.3	
16-02-2019	05:34:20.2	38.756°N	27.264°W	5*	1.2 ml	Serra Sta. Barbara	0.2	
16-02-2019	05:56:15.3	41.246°N	29.249°W	10*	4.0 ml	Crista Média Atlântico N	0.4	
16-02-2019	06:45:59.0	41.336°N	28.947°W	10*	4.2 ml	Crista Média Atlântico N	0.4	
17-02-2019	14:24:38.9	37.762°N	25.437°W	5*	1.2 ml	Maciço do Fogo	0.3	
17-02-2019	14:25:29.7	37.761°N	25.444°W	5*	1.5 ml	Maciço do Fogo	0.3	
17-02-2019	14:32:47.1	37.759°N	25.447°W	5*	1.5 ml	Maciço do Fogo	0.3	
18-02-2019	01:08:24.5	38.615°N	28.990°W	5*	2.0 ml	W Faial	0.3	
19-02-2019	02:08:01.0	37.755°N	25.420°W	5*	1.3 ml	Congro (S. Miguel)	0.4	
23-02-2019	16:18:25.9	37.759°N	25.463°W	5*	1.8 ml	Maciço do Fogo	0.1	
23-02-2019	18:51:37.9	37.947°N	26.233°W	5*	2.8 ml	Fossa de Hirondele	0.3	
23-02-2019	21:32:57.7	37.783°N	25.497°W	10*	2.2 ml	Maciço do Fogo	0.3	
24-02-2019	15:14:26.9	37.811°N	25.511°W	5*	1.3 ml	Maciço do Fogo	0.2	
25-02-2019	02:31:54.7	37.774°N	25.486°W	5*	1.9 ml	Maciço do Fogo	0.3	
25-02-2019	23:44:01.2	37.768°N	25.448°W	5*	1.0 ml	Maciço do Fogo	0.3	
26-02-2019	03:49:00.7	37.761°N	25.476°W	5*	1.6 ml	Maciço do Fogo	0.3	
26-02-2019	05:46:01.9	37.786°N	25.458°W	5*	1.8 ml	Maciço do Fogo	0.3	
27-02-2019	14:31:25.0	38.594°N	28.735°W	7	1.5 ml	Caldeira (Faial)	0.1	

01-Fev	Ho	11:52:32.0			ML 2.6		
	Lat	36.738°N	Lon	24.318°W	Prof 10*		
	Região: Falha da Gloria				Rms 0.1		
	AxMax	3.8	AxMin	3.0	Ang 95	ErrZ 0	
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp</i>	<i>Per</i>	
PSMN	e P	11:52:42.62		HZ			
	e S	11:52:50.61		HN			
	IAML	11:52:54.16		HZ	0.043	0.4	
PSMA	e P	11:52:43.14		SZ			
	e S	11:52:51.48		SN			
	IAML	11:52:52.57		SZ	0.065	0.2	
BART	e P	11:52:50.82		HZ			
	e S	11:53:04.72		HN			
	IAML	11:53:06.98		HZ	0.031	0.3	
CMLA	e S	11:53:08.99		H2			

01-Fev	Ho	15:22:31.70			ML 2.6		
	Lat	15:22:37.44	Lon	24:37.44	Prof 0.376	0.6	
	Região: Near Coast of Chiapas, Mexico				Rms 0.509	1.7	
	AxMax	15:22:48.22	AxMin	15:22:54.08	Ang 0.509	1.7	
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp</i>	<i>Per</i>	
PAGU	e P	15:22:31.70		BZ			
	IAMB	15:22:37.44		BZ	0.376	0.6	
PGRON	e P	15:22:48.22		SZ			
	IAMB	15:22:54.08		SZ	0.509	1.7	
CMLA	e P	15:22:48.60		BZ			
BART	e P	15:22:49.18		BZ			
	IAMB	15:22:50.57		BZ	0.276	1.8	
PSMN	e P	15:22:59.16		BZ			

01-Fev	Ho	16:24:30.30			ML 1.7		
	Lat	16:24:32.55	Lon	24:32.55	Prof 0.170	0.9	
	Região: Near Coast of Chiapas, Mexico				Rms 0.274	1.1	
	AxMax	16:24:30.72	AxMin	16:24:39.00	Ang 0.230	1.3	
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp</i>	<i>Per</i>	
PGRON	e P	16:24:30.30		SZ			
	IAMB	16:24:32.55		SZ	0.170	0.9	
BART	e P	16:24:31.37		BZ			
	IAMB	16:24:32.54		BZ	0.274	1.1	
PSMA	e P	16:24:30.72		SZ			
	IAMB	16:24:39.00		SZ	0.230	1.3	
PSMN	e P	16:24:31.10		BZ			
	IAMB	16:24:54.75		BZ	0.315	1.7	

01-Fev	Ho	17:18:38.38			ML 1.7		
	Lat	17:18:38.47	Lon	17:18:38.47	Prof 0.135	0.2	
	Região: Near Coast of Chiapas, Mexico				Rms 0.135	0.2	
	AxMax	17:18:38.47	AxMin	17:18:38.47	Ang 0.135	0.2	
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp</i>	<i>Per</i>	
PSMA	e S	17:18:38.38		SE			
	IAML	17:18:38.47		SZ	0.135	0.2	

02-Fev	Ho	04:31:36.76			ML 1.7		
	Lat	04:31:37.76	Lon	28.413°W	Prof 10*		
	Região: Pico (Ilha do Pico)				Rms 0.2		
	AxMax	4.8	AxMin	3.2	Ang 156	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>	
PICO	e P	04:31:36.76		HZ			
	e S	04:31:37.76		HE			
	IAML	04:31:39.79		HZ	0.469	0.1	
PCAN	e P	04:31:36.43		EZ			
	e S	04:31:38.50		EE			
	IAML	04:31:43.49		EZ	0.244	0.1	
PROQ	e#S	04:31:53.62		H2			
PPNO	e S	04:31:39.54		EN			
	IAML	04:31:40.07		EZ	0.067	0.1	
ROSA	e P	04:31:39.42		HZ			

02-Fev	Ho	11:59:14.97			ML 2.3		
	Lat	11:59:19.96	Lon	26.978°W	Prof 5*		
	Região: SE Terceira (Castromar)				Rms 0.3		
	AxMax	5.4	AxMin	3.1	Ang 55	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>	
PSCM	e P	11:59:14.97		EZ			
	e S	11:59:19.96		EN			
	IAML	11:59:21.07		EZ	0.638	0.1	
ADH	e#P	11:59:07.98		SZ			
	e#S	11:59:12.77		SN			
	IAML	11:59:14.55		SZ	0.185	0.1	
PAGU	e P	11:59:16.31		HZ			
	e S	11:59:22.08		HN			
	IAML	11:59:23.87		HZ	0.350	0.1	
PSBA	e P	11:59:17.46		EZ			
	e S	11:59:23.89		EN			
	IAML	11:59:26.62		EZ	0.223	0.3	

ROSA	e S	11:59:38.26		HE			
	IAML	11:59:40.81		HZ	0.021	0.2	
PICO	e S	11:59:40.89		HN			
	IAML	11:59:41.59		HZ	0.044	0.1	
CMLA	e S	11:59:45.13		H1			
	IAML	11:59:47.70		HZ	0.041	0.4	

02-Fev	Ho	12:15:38.99			ML 5.6		
	Lat	12:15:41.10	Lon	70.701°E	Prof 212		
	Região: Hindu Kush Region, Afghanistan				Rms 0.227	0.9	
	AxMax	12:15:41.40	AxMin	12:15:42.18	Ang 0.227	0.9	
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp</i>	<i>Per</i>	
BART	e P	12:15:38.99		BZ			
	IAMB	12:15:41.10		BZ	0.227	0.9	
CMLA	e P	12:15:41.23		BZ			
	IAMB	12:15:42.79		BZ	0.212	1.4	
PSET	e P	12:15:41.40		BZ			
	IAMB	12:15:42.18		BZ	0.229	0.7	
PSMA	e P	12:15:41.90		SZ			
	IAMB	12:15:43.43		SZ	0.315	1.0	
PMAN	e P	12:15:46.51		SZ			
	IAMB	12:15:51.94		SZ	0.204	1.1	
PCAN	e P	12:15:49.51		SZ			
	IAMB	12:15:51.30		SZ	0.212	1.1	
CALA	e P	12:15:50.41		BZ			
	IAMB	12:15:52.84		BZ	0.506	1.0	

03-Fev	Ho	01:29:19.38			ML 2.1		
	Lat	01:29:25.29	Lon	29.266°W	Prof 9		
	Região: W Faial				Rms 0.2		
	AxMax	11.9	AxMin	6.9	Ang 24	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>	
PCED	e P	01:29:19.38		EZ			
	e S	01:29:25.29		EN			
	IAML	01:29:26.30		EZ	0.108	0.2	
CALA	e P	01:29:19.92		HZ			
	e S	01:29:25.52		HN			
	IAML	01:29:28.09		HZ	0.079	0.2	
PFCBR	e S	01:29:25.47		HE			
	IAML	01:29:25.99		HZ	0.020	0.1	
HOR	e S	01:29:27.61		SN			
	IAML	01:29:30.24		SZ	0.080	0.1	
PCAN	e P	01:29:22.38		EZ			
	e S	01:29:30.01		EN			
	IAML	01:29:34.07		EZ	0.067	0.3	
PICO	e P	01:29:23.33		HZ			
	e S	01:29:31.78		HN			
	IAML	01:29:33.44		HZ	0.136	0.2	
ROSA	e P	01:29:24.31		HZ			
	e S	01:29:34.06		HN			
	IAML	01:29:40.81		HZ	0.051	0.5	
PMAN	e S	01:29:37.15		EN			
	IAML	01:29:37.61		EZ	0.017	0.2	
PID	e P	01:29:26.77		EZ			
	e S	01:29:37.39		EN			
	IAML	01:29:39.32		EZ	0.026	0.4	

03-Fev	Ho	01:30:12.95			ML 2.1		
	Lat	01:30:20.40	Lon	29.266°W	Prof 9		
	Região: W Faial				Rms 0.2		
	AxMax	11.9	AxMin	6.9	Ang 24	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>	
PICO	e P	01:30:12.95		HZ			
	e S	01:30:20.40		HN			
	IAML	01:30:22.73		HZ	0.059	0.2	
CALA	e S	01:30:14.76		HE			
	IAML	01:30:17.56		HZ	0.065	0.2	
PCED	e S	01:30:14.86		EE			
	IAML	01:30:15.73		EZ	0.053	0.1	
PFCBR	e S	01:30:15.31		HN			
	IAML	01:30:15.56		HZ	0.011	0.1	
HOR	e S	01:30:16.24		SN			
	IAML	01:30:19.69		SZ	0.046	0.2	
PCAN	e S	01:30:19.28		EE			
	IAML	01:30:21.12		EZ	0.021	0.3	
ROSA	e S	01:30:23.34		HN			
	IAML	01:30:24.36		HZ	0.018	0.2	

03-Fev	Ho	22:05:12.3				ML 3.6	
	Lat	38.731°N		Lon	29.217°W		Prof 5*
	Região: W Faial						Rms 0.4
	Sentido: II/III Feteira						
	AxMax	11.5	AxMin	7.5	Ang	27	ErrZ 0
Est	Fase	P h:m:s		Dur	Co	Amp	Per
PCED	e P	c	22:05:19.71		EZ		
	e S		22:05:25.24		EE		
	IAML		22:05:26.35		EZ	3.458	0.2
CALA	e P	c	22:05:19.78		HZ		
	e S		22:05:25.62		HE		
	IAML		22:05:28.50		HZ	3.109	0.1
PFCBR	e P		22:05:19.86		HZ		
	e S		22:05:25.81		HE		
	IAML		22:05:26.50		HZ	0.568	0.3
PRIB2	e P		22:05:20.72		HZ		
	e S		22:05:26.71		H1		
	IAML		22:05:29.49		HZ	2.552	0.2
HOR	e P	c	22:05:20.87		SZ		
	e S		22:05:27.68		SE		
	IAML		22:05:30.61		SZ	3.414	0.3
PCAN	e P		22:05:21.89		EZ		
	e S		22:05:30.10		EE		
	IAML		22:05:33.63		EZ	2.224	0.2
PICO	e P		22:05:23.69		HZ		
	e S		22:05:31.72		HN		
	IAML		22:05:33.69		HZ	6.577	0.2
ROSA	e P	c	22:05:24.64		HZ		
	e S		22:05:33.78		HN		
	IAML		22:05:35.33		HZ	0.977	0.2
PPNO	e P		22:05:25.56		EZ		
	e S		22:05:34.86		EN		
	IAML		22:05:37.68		EZ	1.286	0.2
PMAN	e P	c	22:05:26.30		EZ		
	e S		22:05:37.30		EE		
	IAML		22:05:44.41		EZ	1.438	0.3
PID	e P	c	22:05:27.13		EZ		
	e S		22:05:38.12		EE		
	IAML		22:05:42.15		EZ	0.923	0.4
SRBC	e#P		22:05:28.21		SZ		
	e#S		22:05:39.28		SN		
	IAML		22:05:48.43		SZ	0.620	0.4
ADH	e#P		22:05:28.57		SZ		
	e#S		22:05:46.98		SE		
	IAML		22:05:48.13		SZ	0.225	0.3
PAGU	e P		22:05:36.37		HZ		
	e S		22:05:53.82		HE		
	IAML		22:05:57.41		HZ	0.283	0.2
PSCM	e P		22:05:37.38		EZ		
	e S		22:05:55.77		EN		
	IAML		22:06:00.76		EZ	0.380	0.3
PSET	e P		22:05:55.32		HZ		
	e S		22:06:26.50		HN		
	IAML		22:06:32.54		HZ	0.054	0.1
PDA	e#P		22:05:55.98		SZ		
	e#S		22:06:30.00		SN		
	IAML		22:06:33.83		SZ	0.042	0.4
CMLA	e P		22:05:57.66		HZ		
	e S		22:06:30.94		H1		
	IAML		22:06:33.97		HZ	0.046	0.3
PSMA	e P	c	22:06:05.21		SZ		
	e S		22:06:43.97		SE		
	IAML		22:06:45.45		SZ	0.025	0.2
PSMN	e P		22:06:05.64		HZ		
	e S		22:06:44.65		HN		
	IAML		22:06:49.49		HZ	0.016	0.3

03-Fev	Ho	23:24:24.7				ML 1.6	
	Lat	37.749°N		Lon	25.440°W		Prof 5*
	Região: Maciço do Fogo						Rms 0.3
	AxMax	2.7	AxMin	2.1	Ang	50	ErrZ 0
Est	Fase	P h:m:s		Dur	Co	Amp Per	
PGRON	e P	23:24:27.08			EZ		
	e S	23:24:28.61			EN		
	IAML	23:24:29.93			EZ	0.360	0.1
PCALD	e P	23:24:26.77			EZ		
	e S	23:24:28.25			EN		
	IAML	23:24:32.43			EZ	0.106	0.3

CMLA	e P	23:24:27.06	HZ		
	e S	23:24:28.52	H1		
	IAML	23:24:33.77	HZ	0.065	0.3

03-Fev	Ho	23:31:40.6				ML	2.5	
	Lat	38.725°N		Lon	29.275°W		Prof	5*
	Região: W Faial					Rms	0.3	
	AxMax	11.9	AxMin	6.2	Ang	28	ErrZ	0
Est	Fase	P	h:m:s	Dur	Co	Amp	Per	
PCED	e	P	23:31:48.47		EZ			
	e	S	23:31:54.69		EN			
		IAML	23:31:55.20		EZ	0.245	0.2	
CALA	e	P	23:31:48.70		HZ			
	e	S	23:31:54.74		HE			
		IAML	23:31:55.29		HZ	0.188	0.2	
PFCBR	e	P	23:31:48.65		HZ			
	e	S	23:31:55.04		HN			
		IAML	23:31:55.33		HZ	0.048	0.2	
PRIB2	e	S	23:31:56.43		H1			
		IAML	23:31:56.86		HZ	0.239	0.1	
HOR	e	S	23:31:56.81		SE			
		IAML	23:31:57.98		SZ	0.286	0.3	
PCAN	e	P	23:31:50.81		EZ			
	e	S	23:31:58.95		EE			
		IAML	23:32:02.37		EZ	0.153	0.2	
PICO	e	P	23:31:52.53		HZ			
	e	S	23:32:01.66		HN			
		IAML	23:32:02.44		HZ	0.427	0.2	
ROSA	e	P	23:31:53.46		HZ			
	e	S	23:32:03.25		HE			
		IAML	23:32:08.12		HZ	0.075	0.2	
PMAN	e	S	23:32:06.84		EE			
		IAML	23:32:09.22		EZ	0.040	0.1	
PID	e	P	23:31:55.73		EZ			
	e	S	23:32:07.48		EE			
		IAML	23:32:09.44		EZ	0.038	0.1	

03-Fev	Ho	23:41:59.8				ML 2.4	
	Lat	38.648°N		Lon	29.264°W		Prof 5*
	Região: W Faial					Rms 0.2	
	AxMax	8.9	AxMin	5.5	Ang	16	ErrZ 0
Est	Fase	P	h:m:s		Dur	Co	Amp Per
PCED	e	P	23:42:07.36			EZ	
	e	S	23:42:13.31			EE	
		IAML	23:42:14.28			EZ	3.774 0.2
CALA	e	P	23:42:07.87			HZ	
	e	S	23:42:13.51			HN	
		IAML	23:42:17.52			HZ	0.197 0.1
PFCBR	e	P	23:42:07.45			HZ	
	e	S	23:42:13.24			HN	
		IAML	23:42:15.94			HZ	0.032 0.1
HOR	e	S	23:42:15.35			SN	
		IAML	23:42:16.62			SZ	0.195 0.2
	PRIB2	e	S	23:42:15.14			H2
		IAML	23:42:15.89			HZ	0.211 0.1
PCAN		e	P	23:42:10.46			EZ
	e	S	23:42:18.14			EE	
		IAML	23:42:20.38			EZ	0.094 0.2
PICO	e	P	23:42:11.34			HZ	
	e	S	23:42:19.78			HE	
		IAML	23:42:21.24			HZ	0.364 0.4
ROSA	e	P	23:42:12.63			HZ	
	e	S	23:42:22.38			HN	
		IAML	23:42:23.11			HZ	0.061 0.2
PID	e	S	23:42:25.89			EE	
		IAML	23:42:29.28			EZ	0.046 0.3
	PMAN	e	S	23:42:25.59			EE
		IAML	23:42:27.19			EZ	0.031 0.1

04-Fev	Ho	02:11:53.0				ML 3.5		
	Lat	38.699°N		Lon	29.243°W		Prof	5*
	Região: W Faial						Rms	0.3
	AxMax	7.0	AxMin	4.7	Ang	18	ErrZ	0
Est	Fase	P	h:m:s		Dur	Co	Amp	Per
PCED	e	P	02:12:00.23			EZ		
	e	S	02:12:06.45			EN		
		IAML	02:12:06.94			EZ	3.382	0.2
CALA	e	P	02:12:00.80			HZ		

05-Fev	Ho	05:03:24.9			ML 0.6
	Lat	37.767°N	Lon	25.345°W	Prof 5*
	Região: Maciço das Furnas				Rms 0.2
	AxMax	9.2	AxMin	2.9	Ang 87
					ErrZ 0
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp Per</i>
PGRON	e P	05:03:28.19		EZ	
	e S	05:03:29.76		EN	
	IAML	05:03:30.28		EZ	0.031 0.1

05-Fev	Ho	05:03:33.3			ML 1.2
	Lat	37.761°N	Lon	25.420°W	Prof 5
	Região: Congro (S. Miguel)				Rms 0.1
	AxMax	3.8	AxMin	1.2	Ang 78
					ErrZ 2
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp Per</i>
PGRON	e P	05:03:35.98		EZ	
	e S	05:03:37.52		EN	
	IAML	05:03:37.70		EZ	0.147 0.2
PCALD	e S	05:03:36.68		EN	
CMLA	e P	05:03:35.88		HZ	
	e S	05:03:37.71		H1	
	IAML	05:03:38.43		HZ	0.018 0.2

05-Fev	<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp Per</i>
PGRON	e P		05:10:51.25		EZ	
	e S		05:10:52.77		EN	
	IAML		05:10:53.16		EZ	0.004 0.1

05-Fev	<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp Per</i>
PGRON	e P		05:11:11.92		EZ	
	e S		05:11:13.54		EN	
	IAML		05:11:14.01		EZ	0.014 0.1

05-Fev	Ho	05:09:56.4			ML 0.8
	Lat	37.758°N	Lon	25.465°W	Prof 5*
	Região: Maciço do Fogo				Rms 0.3
	AxMax	16.8	AxMin	3.0	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>
PGRON	e P	05:09:59.24		EZ	
	e S	05:10:00.65		EN	
	IAML	05:10:01.29		EZ	0.034 0.1

05-Fev	Ho	05:09:59.9			ML 1.3
	Lat	37.760°N	Lon	25.411°W	Prof 7
	Região: Congro (S. Miguel)				Rms 0.1
	AxMax	2.8	AxMin	2.0	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>
PGRON	e P	05:10:02.72		EZ	
	e S	05:10:04.22		EN	
	IAML	05:10:04.52		EZ	0.175 0.2
CMLA	e S	05:10:04.42		H1	
	IAML	05:10:05.51		HZ	0.018 0.1

05-Fev	<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp Per</i>
PGRON	e P		05:10:23.61		EZ	
	e S		05:10:25.12		EN	
	IAML		05:10:25.57		EZ	0.015 0.1

05-Fev	<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp Per</i>
PGRON	e P		05:11:37.68		EZ	
	e S		05:11:39.21		EN	
	IAML		05:11:39.80		EZ	0.026 0.1

05-Fev	Ho	05:16:42.9			ML 1.1
	Lat	37.762°N	Lon	25.406°W	Prof 7
	Região: Congro (S. Miguel)				Rms 0.1
	AxMax	4.3	AxMin	2.7	Ang 92
					ErrZ 6
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp Per</i>
PGRON	e P	05:16:45.62		EZ	
	e S	05:16:47.20		EN	
	IAML	05:16:47.38		EZ	0.092 0.2
CMLA	e P	05:16:45.72		HZ	
	e S	05:16:47.38		H2	
	IAML	05:16:47.74		HZ	0.062 0.6

05-Fev	<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp Per</i>
PGRON	e P		06:26:57.66		EZ	
	e S		06:26:59.44		EN	
	IAML		06:27:01.14		EZ	0.038 0.2
CMLA	e S		06:27:01.09		H2	
	IAML		06:27:01.90		HZ	0.014 0.3

05-Fev	Ho	07:35:52.3			ML 3.6
	Lat	37.505°N	Lon	25.179°W	Prof 5*
	Região: Banco Grande Norte				Rms 0.4
	AxMax	4.8	AxMin	1.9	Ang 76
					ErrZ 0

<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp Per</i>
PPOV	e P	07:35:56.76		HZ	
	e S	07:36:00.41		HN	
	IAML	07:36:00.60		HZ	2.910 0.3
BART	e P	07:35:57.21		HZ	
	e S	07:36:01.49		HN	
	IAML	07:36:03.93		HZ	5.034 0.5
PGRON	e P	07:35:58.54		EZ	
	e S	07:36:03.19		EN	
	IAML	07:36:04.45		EZ	2.720 0.2
PNOR2	e P	07:35:57.93		HZ	
	e S	07:36:02.67		H1	
	IAML	07:36:04.36		HZ	5.860 0.4
CMLA	e P	07:35:58.60		HZ	
	e S	07:36:03.65		H2	
	IAML	07:36:05.12		HZ	4.327 0.3
PCALD	e P	07:35:58.54		EZ	
	e S	07:36:03.58		EN	
	IAML	07:36:05.50		EZ	2.240 0.4
PDA	e#P	07:35:59.22		SZ	
	e#S	07:36:05.39		SE	
	IAML	07:36:06.24		SZ	1.741 0.2
PSMA	e P	07:36:01.07		SZ	
	e S	07:36:07.78		SN	
	IAML	07:36:09.97		SZ	0.768 0.2
PSMN	e P	07:36:01.15		HZ	
	e S	07:36:07.79		HN	
	IAML	07:36:10.75		HZ	0.224 0.2
PSET	e P	07:36:01.03		HZ	
	e S	07:36:08.19		HE	
	IAML	07:36:12.43		HZ	2.487 0.4
PSCM	e P	07:36:21.45		EZ	
	e S	07:36:43.60		EN	
	IAML	07:36:46.46		EZ	0.916 0.2
ADH	e#P	07:36:21.05		SZ	
	e#S	07:36:43.57		SN	
	IAML	07:36:44.73		SZ	0.146 0.3
PAGU	e P	07:36:22.50		HZ	
	e S	07:36:45.64		HN	
	IAML	07:36:49.40		HZ	0.536 0.3
ROSA	e P	07:36:31.94		HZ	
	e S	07:37:00.86		HE	
	IAML	07:37:05.12		HZ	0.069 0.2
PICO	e P	07:36:32.72		HZ	
	e S	07:37:02.08		HN	
	IAML	07:37:04.48		HZ	0.107 0.3
CALA	e P	07:36:35.90		HZ	
	e S	07:37:07.99		HN	
	IAML	07:37:09.93		HZ	0.232 0.3

05-Fev	Ho	07:38:31.7			ML 3.0
	Lat	37.511°N	Lon	25.169°W	Prof 5
	Região: Banco Grande Norte				Rms 0.3
	AxMax	7.7	AxMin	2.3	Ang 68
					ErrZ 7

<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp Per</i>
PPOV	e P	07:38:36.26		HZ	
	e S	07:38:39.12		HN	
	IAML	07:38:41.57		HZ	0.828 0.3
BART	e P	07:38:36.65		HZ	
	e S	07:38:40.87		HN	
	IAML	07:38:42.08		HZ	1.102 0.2
PGRON	e P	07:38:37.95		EZ	
	e S	07:38:41.90		EN	
	IAML	07:38:43.22		EZ	1.332 0.1
PNOR2	e P	07:38:37.37		HZ	
	e S	07:38:42.11		H1	

CMLA	IAML	07:38:43.67	HZ	1.246	0.3	PSCM	e P	12:36:23.41	EZ	0.269	0.1
	e P	07:38:38.17	HZ		e S		12:36:28.53	EE			
	e S	07:38:43.36	H1		IAML		12:36:31.85	EZ			
PCALD	IAML	07:38:44.65	HZ	1.018	0.2	PPV	e S	12:36:29.19	H2	0.402	0.2
	e P	07:38:37.98	EZ		ADH		e#P	12:36:28.04	SZ		
	e S	07:38:43.05	EN		PAGU		e P	12:36:24.08	HZ		
PDA	IAML	07:38:43.58	EZ	0.488	0.2	PSBA	e S	12:36:30.91	HE	0.166	0.5
	e#P	07:38:38.66	SZ		IAML		12:36:31.59	HZ			
	e#S	07:38:44.85	SN		e P		12:36:25.51	EZ			
PSMN	IAML	07:38:45.81	SZ	0.475	0.3	IAML	e S	12:36:33.08	EN	0.029	0.3
	e P	07:38:40.58	HZ								
	e S	07:38:47.12	HN								
PSMA	IAML	07:38:48.44	HZ	0.144	0.3	PSCM	e P	02:44:20.40	EZ	0.040	0.3
	e P	07:38:40.48	SZ		e S		02:44:25.11	EN			
	e S	07:38:47.15	SN		IAML		02:44:28.99	EZ			
PSET	IAML	07:38:48.19	SZ	0.351	0.2	PAGU	e P	02:44:21.19	HZ	0.529	0.2
	e P	07:38:40.59	HZ		e S		02:44:27.62	HN			
	e S	07:38:47.70	HE		IAML		02:44:28.89	HZ			
PSCM	IAML	07:38:53.30	HZ	0.558	0.3	PSBA	e S	02:44:30.46	EE	0.252	0.3
	e P	07:39:01.27	EZ		IAML		02:44:31.43	EZ			
	IAML	07:39:24.12	EZ	0.204	0.3		PDA	e#S	02:44:44.05		
PAGU	e P	07:39:02.26	HZ			CMLA	e S	02:44:46.99	H1	0.025	0.5
	e S	07:39:24.15	HN		IAML		02:44:47.91	HZ			
	IAML	07:39:26.79	HZ	0.120	0.3						
PICO	e P	07:39:12.45	HZ			IAML				0.086	0.3
	e S	07:39:42.15	HN								
	IAML	07:39:44.80	HZ	0.037	0.2						
CALA	e P	07:39:15.28	HZ			IAML				0.086	0.3
	e S	07:39:47.88	HE								
	IAML	07:39:49.31	HZ	0.086	0.3						

05-Fev											
Ho 09:27:18.6 ML 3.4											
Lat 38.569°N Lon 29.590°W Prof 5*											
Região: W Faial Rms 0.2											
AxMax 12.2 AxMin 4.9 Ang 1 ErrZ 0											
Est	Fase	P	h:m:s	Dur	Co	Amp	Per				
PFCBR	e P		09:27:29.84		HZ			0.731	0.3		
	e S		09:27:38.63		HN						
	IAML		09:27:39.18		HZ						
CALA	e P		09:27:30.13		HZ			2.406	0.4		
	e S		09:27:38.50		HE						
	IAML		09:27:46.66		HZ						
PCED	e P		09:27:30.15		EZ			1.637	0.4		
	e S		09:27:38.72		EE						
	IAML		09:27:41.40		EZ						
HOR	e P		09:27:30.82		SZ			1.684	0.3		
	e S		09:27:40.21		SN						
	IAML		09:27:41.88		SZ						
PRIB2	e P		09:27:31.08		HZ			1.167	0.4		
	e S		09:27:40.47		H2						
	IAML		09:27:42.13		HZ						
PCAN	e P		09:27:32.63		EZ			0.955	0.5		
	e S		09:27:42.95		EE						
	IAML		09:27:53.54		EZ						
PICO	e P		09:27:33.49		HZ			1.050	0.3		
	e S		09:27:44.52		HN						
	IAML		09:27:45.57		HZ						
PPNO	e P		09:27:35.23		EZ			1.124	0.4		
	e S		09:27:47.67		EE						
	IAML		09:27:55.91		EZ						
ROSA	e P		09:27:35.52		HZ			0.836	0.5		
	e S		09:27:48.14		HE						
	IAML		09:27:54.41		HZ						
PID	e P		09:27:36.94		EZ			0.782	0.5		
	e S		09:27:50.52		EE						
	IAML		09:27:54.88		EZ						
PMAN	e P		09:27:36.97		EZ			0.479	0.5		
	e S		09:27:50.76		EN						
	IAML		09:27:53.22		EZ						
PGRA	e#S		09:27:52.55		HE			0.142	0.3		
	IAML		09:28:01.73		HZ						
	IAML		09:26:08.81		HZ						

06-Fev											
Est Fase P h:m:s Dur Co Amp Per											
PSCM	e P		12:06:56.75		EZ			0.156	0.2		
	e S		12:07:02.31		EN						
	IAML		12:07:06.04		EZ						
PAGU	e P		12:06:58.07		HZ			0.363	0.1		
	e S		12:07:05.04		HN						
	IAML		12:07:05.86		HZ						
ADH	e#S		12:07:02.23		SE			0.049	0.2		
	IAML		12:07:04.03		SZ						

06-Fev											
Ho 19:28:00.6 Distante (NEIC) mb 4.9											
Lat 02.733°N Lon 31.119°W Prof 10											
Região: Central Mid-Atlantic Ridge											
Est	Fase	P	h:m:s	Dur	Co	Amp	Per				
BART	e T		20:11:38.33		HZ			0.061	0.3		
	e T		20:11:40.21		EZ						
	PSMA	e T		20:10:40.45		SZ					
PSMN	e T		20:10:40.33		HZ			0.225	0.2		

07-Fev											
Ho 19:23:05.0 ML 1.3											
Lat 37.758°N Lon 25.476°W Prof 5*											
Região: Maciço do Fogo Rms 0.3											
AxMax 4.0 AxMin 2.5 Ang 28 ErrZ 0											
Est	Fase	P	h:m:s	Dur	Co	Amp	Per				
CMLA	e P		19:23:06.75		HZ			0.061	0.3		
	e S		19:23:08.09		H2						
	IAML		19:23:09.85		HZ						
PCALD	e P		19:23:06.66		EZ			0.225	0.2		
	e S		19:23:07.86		EN						
	IAML		19:23:07.97		EZ						
PGRON	e P		19:23:07.75		EZ			0.117	0.1		
	e S		19:23:09.79		EN						
	IAML		19:23:09.96		EZ						

09-Fev											
Est	Fase	P	h:m:s	Dur	Co	Amp	Per				
BART	e P		23:03:14.66		HZ			0.051	0.3		
	e S		23:03:22.26		HN						
	IAML		23:03:24.58		HZ						
CMLA	e P		23:03:18.83		HZ			0.050	0.3		
	e S		23:03:29.09		H1						
	IAML		23:03:32.19		HZ						
PGRON	e S		23:03:26.38		EN			0.029	0.1		
	IAML		23:03:28.48		EZ						

11-Fev	Ho	15:30:14.3			ML 2.6
	Lat	37.769°N	Lon	25.447°W	Prof 3
	Região:	Maciço do Fogo			Rms 0.3
	Sentido:	II V. F. Campo			
	AxMax	3.0	AxMin	1.6	Ang 64 ErrZ 4
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp Per</i>
PCALD	e P	c 15:30:15.74		EZ	
	e S	15:30:16.93		EE	
	IAML	15:30:17.11		EZ	5.669 0.1
PGRON	e P	c 15:30:16.97		EZ	
	e S	15:30:18.62		EN	
	IAML	15:30:19.80		EZ	4.794 0.2
CMLA	e P	15:30:16.38		HZ	
	e S	15:30:17.02		H1	
	IAML	15:30:17.46		HZ	3.990 0.3
PRIG	e P	15:30:16.54		HZ	
	e S	15:30:18.41		H2	
	IAML	15:30:18.85		HZ	3.608 0.2
PDA	e#P	15:30:17.45		SZ	
	e#S	15:30:20.89		SE	
	IAML	15:30:23.49		SZ	0.181 0.1
PSMN	e P	15:30:28.41		HZ	
	e S	15:30:38.74		HN	

13-Fev	Ho	00:59:37.7			ML 1.7
	Lat	38.514°N	Lon	28.116°W	Prof 20
	Região:	Canal de S. Jorge			Rms 0.2
	AxMax	4.5	AxMin	4.5	Ang 94 ErrZ 7
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp Per</i>
PID	e P	00:59:40.97		EZ	
	e S	00:59:43.76		EN	
	IAML	00:59:44.85		EZ	0.083 0.1
PMAN	e P	00:59:41.45		EZ	
	e S	00:59:43.65		EN	
	IAML	00:59:44.83		EZ	0.108 0.1
PPNO	e P	00:59:41.12		EZ	
	e S	00:59:43.95		EN	
	IAML	00:59:45.96		EZ	0.123 0.2
ROSA	e P	00:59:42.42		HZ	
	e S	00:59:46.31		HE	
	IAML	00:59:46.66		HZ	0.053 0.1
PICO	e P	00:59:42.74		HZ	
	e S	00:59:46.50		HE	
	IAML	00:59:47.24		HZ	0.121 0.2

13-Fev	Ho	06:38:19.7			ML 2.5
	Lat	37.392°N	Lon	24.627°W	Prof 5*
	Região:	Fossa da Povoação			Rms 0.2
	AxMax	5.3	AxMin	1.6	Ang 87 ErrZ 0
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp Per</i>
PSMN	e P	06:38:28.83		HZ	
	e S	06:38:35.48		HN	
	IAML	06:38:40.14		HZ	0.070 0.4
PSMA	e P	06:38:29.41		SZ	
	e S	06:38:36.46		SN	
	IAML	06:38:37.15		SZ	0.062 0.1
BART	e P	06:38:29.61		HZ	
	e S	06:38:36.75		HN	
	IAML	06:38:38.29		HZ	0.106 0.3
PGRON	e S	06:38:41.11		EN	
	IAML	06:38:43.46		EZ	0.055 0.3
CMLA	e P	06:38:32.71		HZ	
	e S	06:38:42.60		H2	
	IAML	06:38:45.69		HZ	0.168 0.3
PDA	e#P	06:38:34.83		SZ	
	e#S	06:38:45.81		SN	
	IAML	06:38:47.42		SZ	0.091 0.2

13-Fev	Ho	11:33:55.0			ML 2.5
	Lat	38.711°N	Lon	29.031°W	Prof 6
	Região:	W Faial			Rms 0.2
	AxMax	9.7	AxMin	5.6	Ang 60 ErrZ 5
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp Per</i>
CALA	e P	11:34:00.29		HZ	
	e S	11:34:04.37		HN	
	IAML	11:34:04.41		HZ	0.422 0.3
PFCBR	e P	11:34:00.65		HZ	
	e S	11:34:04.88		HN	

	IAML	11:34:06.39		HZ	0.106 0.5
HOR	e S	11:34:06.19		SN	
	IAML	11:34:07.01		SZ	0.425 0.2
PCAN	e P	11:34:02.95		EZ	
	e S	11:34:09.91		EN	
	IAML	11:34:17.32		EZ	0.232 0.3
PICO	e P	11:34:04.39		HZ	
	e S	11:34:10.58		HN	
	IAML	11:34:11.68		HZ	0.377 0.3
ROSA	e P	11:34:05.36		HZ	
	e S	11:34:12.99		HN	
	IAML	11:34:14.61		HZ	0.102 0.3

14-Fev	Ho	00:39:51.2			ML 1.9
	Lat	37.715°N	Lon	25.187°W	Prof 12
	Região:	S Maciço da Povoação			Rms 0.1
	AxMax	4.1	AxMin	2.4	Ang 13 ErrZ 3
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp Per</i>
PPOV	e P	00:39:53.36		HZ	
	e S	00:39:54.93		HE	
PGRON	e P	00:39:55.46		EZ	
	e S	00:39:57.95		EN	
	IAML	00:39:58.30		EZ	0.180 0.2
CMLA	e P	00:39:56.17		HZ	
	e S	00:40:00.09		H1	
	IAML	00:40:01.55		HZ	0.052 0.3

14-Fev	<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp Per</i>
	CMLA	e S	07:10:12.10		H2	
		IAML	07:10:12.27		HZ	0.186 0.3

14-Fev	Ho	08:58:51.5			ML 2.1
	Lat	38.765°N	Lon	29.216°W	Prof 5*
	Região:	W Faial			Rms 0.3
	AxMax	11.9	AxMin	7.4	Ang 49 ErrZ 0
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp Per</i>
PCED	e P	08:58:58.71		EZ	
	e S	08:59:04.69		EE	
	IAML	08:59:06.55		EZ	0.103 0.3
CALA	e S	08:59:04.88		HN	
	IAML	08:59:05.87		HZ	0.069 0.2
PFCBR	e P	08:58:59.34		HZ	
	e S	08:59:05.42		HE	
	IAML	08:59:05.63		HZ	0.051 0.3
PCAN	e S	08:59:10.69		EN	
	IAML	08:59:11.26		EZ	0.136 0.3
PICO	e P	08:59:03.06		HZ	
	e S	08:59:11.88		HE	
	IAML	08:59:13.04		HZ	0.067 0.2
ROSA	e P	08:59:04.04		HZ	
	e S	08:59:13.15		HN	
	IAML	08:59:16.17		HZ	0.039 0.4

14-Fev	<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp Per</i>
	PCED	e P	19:58:46.28		EZ	
	CALA	e P	19:58:46.54		HZ	
	PICO	e P	19:58:49.11		HZ	
	PPNO	e P	19:58:49.25		EZ	
	PID	e P	19:58:50.46		EZ	
	ROSA	e P	19:58:50.95		HZ	
	PMAN	e P	19:58:52.29		EZ	
	ADH	e#P	19:58:58.89		SZ	
	PSBA	e P	19:59:00.01		EZ	
	PAGU	e P	19:59:01.58		HZ	
	PSET	e P	19:59:11.71		HZ	
	CMLA	e P	19:59:13.32		HZ	
	PSMA	e P	19:59:14.24		SZ	
	PSMN	e P	19:59:14.32		HZ	
	PGRON	e P	19:59:16.11		EZ	

14-Fev	<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp Per</i>
	H07S1	e P	20:44:53.91		HZ	
	CALA	e P	20:45:11.34		HZ	
	HOR	e P	20:45:11.86		SZ	
	PICO	e P	20:45:13.29		HZ	

PPNO	e P	20:45:14.73	EZ			
PID	e P	20:45:15.82	EZ			
ROSA	e P	20:45:16.07	HZ			
PMAN	e P	20:45:17.31	EZ			
PSBA	e P	20:45:25.23	EZ			
PAGU	e P	20:45:26.34	HZ			
PSET	e P	20:45:37.82	HZ			
CMLA	e P	20:45:38.51	HZ			
PSMA	e P	20:45:40.12	SZ			
PSMN	e P	20:45:40.90	HZ			
PGRON	e P	20:45:41.36	EZ			

15-Fev

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PSCM	e P	04:01:20.43		EZ		
	e S	04:01:30.50		EN		
	IAML	04:01:31.57		EZ	0.086	0.1
PAGU	e P	04:01:22.11		HZ		
	IAML	04:01:33.96		HZ	0.108	0.2
PSET	IAML	04:01:24.81		HZ	0.051	0.1

15-Fev Ho 09:51:58.5 ML 3.6
Lat 36.876°N Lon 24.017°W Prof 10*
Região: Falha da Gloria Rms 0.4
AxMax 12.1 AxMin 7.9 Ang 53 ErrZ 0

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PSMN	e P	09:52:11.59		HZ		
	e S	09:52:21.57		HE		
	IAML	09:52:26.18		HZ	0.404	0.5
PSMA	e P	09:52:10.75		SZ		
	IAML	09:52:24.42		SZ	0.386	0.2
PGRON	e P	09:52:19.85		EZ		
	e S	09:52:35.80		EE		
	IAML	09:52:39.86		EZ	0.307	0.4
CMLA	e P	09:52:20.15		HZ		
	e S	09:52:37.57		H1		
	IAML	09:52:41.11		HZ	0.686	0.4
PDA	e#P	09:52:15.79		SZ		
	e#S	09:52:33.83		SN		
PSET	e P	09:52:12.59		HZ		
	e S	09:52:39.30		HN		
	IAML	09:52:48.28		HZ	0.311	0.3
PSCM	e P	09:52:42.33		EZ		
	e S	09:53:16.19		EN		
	IAML	09:53:16.96		EZ	0.215	0.1
ADH	e#P	09:52:46.67		SZ		
	e#S	09:53:19.68		SE		
	IAML	09:53:21.54		SZ	0.055	0.2
PAGU	e P	09:52:43.57		HZ		
	e S	09:53:16.72		HN		
	IAML	09:53:20.16		HZ	0.182	0.2
PID	e P	09:52:50.72		EZ		
PPNO	e P	09:52:52.24		EZ		
ROSA	e P	09:52:53.36		HZ		
PICO	e P	09:52:54.14		HZ		
PCAN	e P	09:52:53.79		EZ		
CALA	e P	09:52:57.40		HZ		
PCED	e P	09:52:57.44		EZ		

16-Fev

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PSBA	e P	04:38:12.76		EZ		
	e S	04:38:14.55		EN		
	IAML	04:38:23.87		EZ	0.035	0.5
PAGU	e P	04:38:13.46		HZ		
	e S	04:38:14.58		HE		
	IAML	04:38:14.95		HZ	0.063	0.3

16-Fev Ho 04:38:44.5 ML 1.1
Lat 38.709°N Lon 27.276°W Prof 5*
Região: Serra Sta. Barbara Rms 0.3
AxMax 7.5 AxMin 3.2 Ang 34 ErrZ 0

Est	Fase	P h:m:s	Dur	Co	Amp	Per
ADH	e#P	04:38:50.77		SZ		
	IAML	04:38:52.05		SZ	0.049	0.2
	e S	04:38:52.16		SE		
PSBA	e P	04:38:46.11		EZ		
	e S	04:38:47.30		EE		

	IAML	04:38:48.52		EZ	0.084	0.3
PAGU	e P	04:38:46.93		HZ		
	e S	04:38:47.71		HE		
	IAML	04:38:48.72		HZ	0.275	0.2
PSCM	e P	04:38:46.54		EZ		
	e S	04:38:48.92		EE		
	IAML	04:38:52.04		EZ	0.148	0.2

16-Fev Ho 04:43:51.0 ML 0.6
Lat 38.763°N Lon 27.259°W Prof 5*
Região: Serra Sta. Barbara Rms 0.3
AxMax 9.1 AxMin 3.5 Ang 2 ErrZ 0

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PSBA	e P	04:43:52.15		EZ		
	e S	04:43:53.32		EN		
	IAML	04:43:57.84		EZ	0.069	0.4
PAGU	e P	04:43:52.85		HZ		
	e S	04:43:53.09		HE		
	IAML	04:43:54.02		HZ	0.179	0.2
ADH	e#P	04:43:54.96		SZ		
	e#S	04:43:56.56		SN		
	IAML	04:44:01.71		SZ	0.035	0.4

16-Fev Ho 04:46:45.1 ML 1.1
Lat 38.784°N Lon 27.279°W Prof 5*
Região: Serra Sta. Barbara Rms 0.1
AxMax 2.6 AxMin 1.2 Ang 8 ErrZ 0

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PSBA	e P	04:46:46.25		EZ		
	e S	04:46:47.14		EN		
	IAML	04:46:48.80		EZ	0.059	0.2
PAGU	e P	04:46:46.77		HZ		
	e S	04:46:47.90		HE		
	IAML	04:46:49.75		HZ	0.109	0.3
ADH	e#P	04:46:49.23		SZ		
	e#S	04:46:51.08		SN		
	IAML	04:46:57.30		SZ	0.035	0.5
PSCM	e P	04:46:47.93		EZ		
	e S	04:46:50.34		EE		
	IAML	04:46:59.02		EZ	0.160	0.4

16-Fev Ho 04:47:06.1 ML 1.1
Lat 38.703°N Lon 27.255°W Prof 5*
Região: S Caldeira Guilherme Moni Rms 0.4
AxMax 9.5 AxMin 4.5 Ang 31 ErrZ 0

Est	Fase	P h:m:s	Dur	Co	Amp	Per
ADH	e#P	04:47:12.11		SZ		
	e#S	04:47:12.72		SE		
	IAML	04:47:19.36		SZ	0.065	0.4
PSBA	e P	04:47:08.05		EZ		
	e S	04:47:08.77		EN		
	IAML	04:47:10.81		EZ	0.096	0.2
PAGU	e P	04:47:08.38		HZ		
	e S	04:47:09.29		HN		
	IAML	04:47:10.96		HZ	0.131	0.3
PSCM	e P	04:47:08.62		EZ		
	e S	04:47:09.34		EN		
	IAML	04:47:11.41		EZ	0.162	0.4

16-Fev Ho 04:53:25.1 ML 0.6
Lat 38.723°N Lon 27.298°W Prof 5*
Região: Serra Sta. Barbara Rms 0.2
AxMax 10.5 AxMin 4.2 Ang 22 ErrZ 0

Est	Fase	P h:m:s	Dur	Co	Amp	Per
PSBA	e P	04:53:26.48		EZ		
	e S	04:53:27.20		EN		
	IAML	04:53:29.10		EZ	0.047	0.1
ADH	e#P	04:53:31.57		SZ		
	e#S	04:53:32.49		SE		
	IAML	04:53:47.36		SZ	0.033	0.4
PAGU	e P	04:53:27.48		HZ		
	e S	04:53:28.64		HE		
	IAML	04:53:35.06		HZ	0.049	0.1

16-Fev	Ho	04:59:05.9			ML 1.1
	Lat	38.749°N	Lon	27.315°W	Prof 10*
	Região:	Serra Sta. Barbara			Rms 0.3
	AxMax	15.9	AxMin	6.8	Ang 30 ErrZ 0
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp Per</i>
PSBA	e P	04:59:07.73		EZ	
	e S	04:59:08.41		EE	
	IAML	04:59:09.97		EZ	0.174 0.5
PAGU	e P	04:59:08.80		HZ	
	e S	04:59:09.84		HE	
	IAML	04:59:11.06		HZ	0.142 0.3
ADH	e#P	04:59:12.69		SZ	
	e#S	04:59:13.97		SE	
	IAML	04:59:14.82		SZ	0.039 0.2
PSCM	e P	04:59:09.37		EZ	
	e S	04:59:11.81		EN	
	IAML	04:59:12.23		EZ	0.129 0.2

16-Fev	<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp Per</i>
	PSBA	e P	05:03:51.05		EZ	
	PAGU	e P	05:03:52.49		HZ	
	ADH	e#P	05:03:56.11		SZ	

16-Fev	<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp Per</i>
	PSBA	e P	05:07:50.64		EZ	
	PAGU	e P	05:07:51.22		HZ	
		e S	05:08:22.46		HE	
		IAML	05:08:27.54		HZ	0.047 0.2
	PSCM	e P	05:07:52.10		EZ	
	ADH	e#P	05:07:55.11		SZ	

16-Fev	<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp Per</i>
	PSBA	e P	05:32:22.22		EZ	
	PAGU	e P	05:32:22.80		HZ	
	PSCM	e P	05:32:23.98		EZ	

16-Fev	Ho	05:32:32.7			ML 1.4
	Lat	38.776°N	Lon	27.262°W	Prof 5*
	Região:	N Caldeira Guilherme Moniz			Rms 0.3
	AxMax	8.9	AxMin	2.7	Ang 10 ErrZ 0
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp Per</i>
PSBA	e P	05:32:34.08		EZ	
	e S	05:32:34.74		EN	
	IAML	05:32:35.61		EZ	0.181 0.5
PAGU	e P	05:32:34.41		HZ	
	e S	05:32:34.85		HE	
	IAML	05:32:35.30		HZ	0.257 0.2
ADH	e#P	05:32:38.63		SZ	
PSCM	e P	05:32:35.61		EZ	
	e S	05:32:37.22		EN	
	IAML	05:32:37.55		EZ	0.164 0.4

16-Fev	Ho	05:34:20.2			ML 1.2
	Lat	38.756°N	Lon	27.264°W	Prof 5*
	Região:	Serra Sta. Barbara			Rms 0.2
	AxMax	5.7	AxMin	2.0	Ang 16 ErrZ 0
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp Per</i>
PSBA	e P	05:34:21.51		EZ	
	e S	05:34:22.42		EN	
	IAML	05:34:22.94		EZ	0.093 0.3
PAGU	e P	05:34:22.08		HZ	
	e S	05:34:22.58		HE	
	IAML	05:34:23.30		HZ	0.145 0.2
ADH	e#P	05:34:26.23		SZ	
PSCM	e P	05:34:22.83		EZ	
	e S	05:34:24.58		EE	
	IAML	05:34:25.46		EZ	0.066 0.2

16-Fev	Ho	05:56:15.3			ML 4.0
	Lat	41.246°N	Lon	29.249°W	Prof 10*
	Região:	Crista Média Atlântico N			Rms 0.4
	AxMax	18.1	AxMin	7.5	Ang 63 ErrZ 0
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp Per</i>
PICO	e P	05:56:56.61		HZ	
	e S	05:57:26.60		HN	

	IAML	05:57:31.13		HZ	0.048 0.5
PSBA	e P	05:56:56.67		EZ	
PAGU	e P	05:56:56.86		HZ	
	e S	05:57:28.69		HE	
	IAML	05:57:33.35		HZ	0.089 0.3
ADH	e#P	05:57:00.44		SZ	
	e#S	05:57:32.51		SE	
	IAML	05:57:33.85		SZ	0.065 0.4
PSCM	e P	05:56:57.82		EZ	
PSET	e P	05:57:17.77		HZ	
	e S	05:58:04.13		HE	
	IAML	05:58:09.86		HZ	0.062 0.2
PDA	e#P	05:57:13.84		SZ	
	e#S	05:58:01.51		SN	
CMLA	e P	05:57:19.52		HZ	
	e S	05:58:07.85		H1	
	IAML	05:58:14.74		HZ	0.080 0.1
PGRON	e P	05:57:21.55		EZ	
	e S	05:58:10.02		EE	
	IAML	05:58:17.94		EZ	0.029 0.3
PSMA	e P	05:57:30.67		SZ	
PSMN	e P	05:57:31.36		HZ	
	e S	05:58:28.05		HN	
	IAML	05:58:34.74		HZ	0.027 0.5

16-Fev	<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp Per</i>
	PAGU	e P	06:04:49.91		HZ	
	ADH	e#P	06:04:53.89		SZ	

16-Fev	Ho	06:45:59.0			ML 4.2
	Lat	41.336°N	Lon	28.947°W	Prof 10*
	Região:	Crista Média Atlântico N			Rms 0.4
	AxMax	17.5	AxMin	8.1	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>
ROSA	e P	06:46:37.83		HZ	
	e S	06:47:06.71		HE	
	IAML	06:47:08.81		HZ	0.094 0.3
PMAN	e S	06:47:09.38		EN	
PSBA	e P	06:46:39.77		EZ	
	e S	06:47:11.14		EE	
	IAML	06:47:12.89		EZ	0.195 0.4
PICO	e P	06:46:40.37		HZ	
	e S	06:47:11.36		HN	
	IAML	06:47:15.06		HZ	0.141 0.5
PAGU	e P	06:46:39.81		HZ	
	e S	06:47:11.41		HE	
	IAML	06:47:15.33		HZ	0.172 0.3
ADH	e#P	06:46:43.62		SZ	
PSCM	e P	06:46:41.34		EZ	
PSET	e P	06:47:00.60		HZ	
PDA	e#P	06:46:56.47		SZ	
	e#S	06:47:43.63		SN	
	IAML	06:47:53.26		SZ	0.072 0.5
CMLA	e P	06:47:02.44		HZ	
	e S	06:47:51.68		H2	
	IAML	06:48:00.19		HZ	0.137 0.2
PGRON	e P	06:47:03.96		EZ	
PSMA	e P	06:47:13.71		SZ	
	e S	06:48:13.03		SN	
	IAML	06:48:16.75		SZ	0.034 0.2
PSMN	e P	06:47:13.77		HZ	
	e S	06:48:12.37		HN	
	IAML	06:48:17.30		HZ	0.034 0.3

17-Fev	Ho	14:24:38.9			ML 1.2
	Lat	37.762°N	Lon	25.437°W	Prof 5*
	Região:	Maciço do Fogo			Rms 0.3
	AxMax	3.4	AxMin	2.8	Ang 80 ErrZ 0
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp Per</i>
PGRON	e P	14:24:40.86		EZ	
	e S	14:24:42.81		EE	
	IAML	14:24:44.09		EZ	0.089 0.1
CMLA	e S	14:24:43.06		H1	
	IAML	14:24:44.05		HZ	0.080 0.3

17-Fev	Ho	14:25:29.7			ML 1.5
	Lat	37.761°N	Lon	25.444°W	Prof 5*
	Região: Maciço do Fogo				Rms 0.3
	AxMax	2.5	AxMin	2.4	Ang 64
					ErrZ 0
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp Per</i>
PGRON	e P	14:25:31.88		EZ	
	e S	14:25:33.56		EE	
	IAML	14:25:34.88		EZ	0.252 0.2
CMLA	e P	14:25:31.91		HZ	
	e S	14:25:33.40		H2	
	IAML	14:25:35.06		HZ	0.064 0.3

17-Fev	Ho	14:32:47.1			ML 1.5
	Lat	37.759°N	Lon	25.447°W	Prof 5*
	Região: Maciço do Fogo				Rms 0.3
	AxMax	3.1	AxMin	2.9	Ang 45
					ErrZ 0
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp Per</i>
PGRON	e P	14:32:49.73		EZ	
	e S	14:32:50.99		EE	
	IAML	14:32:51.95		EZ	0.174 0.1
CMLA	e P	14:32:49.31		HZ	
	e S	14:32:50.80		H2	
	IAML	14:32:52.00		HZ	0.099 0.3

17-Fev	Ho	14:35:59.0	Distante (NEIC)	Mw 5.8
	Lat	03.341°S	Lon	152.132°E
	Região: New Ireland Region, P.N.G.			
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>
PGRA	e#PKP	14:55:02.23		BZ
PAGU	e PKP	14:54:49.84		BZ
PSBA	e PKP	14:54:50.87		SZ
ROSA	e PKP	14:54:50.67		BZ
PSCM	e PKP	14:54:51.08		SZ
ADH	e#PKP	14:54:48.77		SZ
PCED	e PKP	14:54:50.87		SZ
PMAN	e PKP	14:54:51.08		SZ
CALA	e PKP	14:54:51.08		BZ
HOR	e PKP	14:54:50.87		SZ
PFCBR	e PKP	14:54:51.29		HZ
PICO	e PKP	14:54:50.67		BZ
PPNO	e PKP	14:54:52.33		SZ
PCAN	e PKP	14:54:50.67		SZ
PID	e PKP	14:54:51.70		SZ
PSET	e PKP	14:54:53.16		BZ
PGRON	e PKP	14:54:54.19		SZ
CMLA	e PKP	14:54:52.06		BZ
PSMN	e PKP	14:54:53.57		BZ
PSMA	e PKP	14:54:53.86		SZ

17-Fev	<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp Per</i>
	CMLA	e P	14:44:12.02		HZ	
		e S	14:44:14.17		H1	
		IAML	14:44:16.51		HZ	0.036 0.2

18-Fev	Ho	01:08:24.5			ML 2.0
	Lat	38.615°N	Lon	28.990°W	Prof 5*
	Região: W Faial				Rms 0.3
	AxMax	7.4	AxMin	5.9	Ang 57
					ErrZ 0
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp Per</i>
PCED	e P	01:08:28.65		EZ	
	e S	01:08:32.04		EE	
	IAML	01:08:33.93		EZ	0.201 0.2
CALA	e S	01:08:31.66		HN	
	IAML	01:08:33.34		HZ	0.095 0.1
PFCBR	e P	01:08:28.74		HZ	
	e S	01:08:32.36		HN	
	IAML	01:08:33.94		HZ	0.021 0.2
HOR	e S	01:08:33.62		SN	
	IAML	01:08:35.20		SZ	0.075 0.3
PICO	e P	01:08:32.83		HZ	
	e S	01:08:38.94		HN	
	IAML	01:08:40.37		HZ	0.135 0.4
ROSA	e P	01:08:34.44		HZ	
	e S	01:08:42.35		HE	
	IAML	01:08:44.05		HZ	0.068 0.2

19-Fev	Ho	02:08:01.0			ML 1.3
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	Lat	37.755°N	Lon	25.420°W	Prof 5*
	Região: Congro (S. Miguel)				Rms 0.4
	AxMax	4.0	AxMin	3.0	Ang 86
					ErrZ 0
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp Per</i>
PGRON	e P	02:08:03.23		EZ	
	e S	02:08:04.34		EE	
	IAML	02:08:05.35		EZ	0.099 0.1
CMLA	e S	02:08:05.69		H2	

19-Fev	<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp Per</i>
	PGRON	e P	03:08:11.88		EZ	
		e S	03:08:13.86		EE	
		IAML	03:08:15.78		EZ	0.155 0.1

22-Fev	Ho	10:17:22.0	Distante (NEIC)		Mw 7.5	
	Lat	02.186°S	Lon 77.050°W		Prof 145	
	Região: Peru-Ecuador Border Region					
Est	Fase	P	h:m:s	Dur	Co	Amp Per
CALA	e P		10:27:15.54		BZ	
	Iamb		10:27:19.33		BZ	7.696 1.3
	e S		10:35:23.03		BN	
HOR	e P		10:27:15.15		SZ	
	Iamb		10:27:21.02		SZ	7.063 2.0
	e S		10:35:16.01		SN	
PCAN	e P		10:27:16.21		SZ	
	Iamb		10:27:19.20		SZ	4.538 1.2
	e S		10:35:20.14		SN	
PICO	e P		10:27:16.92		BZ	
	Iamb		10:27:20.35		BZ	7.385 1.4
	e S		10:35:22.15		BE	
PPNO	e P		10:27:17.62		SZ	
	Iamb		10:27:20.80		SZ	4.830 1.7
	e P		10:27:18.14		SZ	
PID	Iamb		10:27:23.11		SZ	6.573 1.8
	e P		10:27:18.80		SZ	
	Iamb		10:27:24.02		SZ	7.218 1.8
PGRA	e#P		10:27:32.23		BZ	
	Iamb		10:27:37.73		BZ	10.29 1.9
	e#S		10:35:31.64		BE	
PSBA	e P		10:27:21.95		SZ	
	Iamb		10:27:27.88		SZ	5.602 1.8
	e S		10:35:34.01		SN	
PSCM	e P		10:27:23.43		SZ	
	Iamb		10:27:26.74		SZ	6.528 1.5
	e S		10:35:31.64		SN	
PSET	e P		10:27:26.39		BZ	
	Iamb		10:27:32.07		BZ	8.752 1.7
	e S		10:35:42.32		BE	
PSMA	e P		10:27:26.60		SZ	
	Iamb		10:27:29.50		SZ	2.969 1.7
	e S		10:35:29.28		SN	
PSMN	e P		10:27:26.31		BZ	
	Iamb		10:27:31.76		BZ	3.296 1.7
	e S		10:35:35.20		BE	
CMLA	e P		10:27:27.39		BZ	
	Iamb		10:27:32.67		BZ	6.702 1.5
	e S		10:35:42.32		B2	
PGRON	e P		10:27:28.93		SZ	
	Iamb		10:27:34.53		SZ	8.580 2.0

23-Fev	Ho	16:18:25.9			ML 1.8
	Lat	37.759°N	Lon	25.463°W	Prof 5*
	Região: Maciço do Fogo				Rms 0.1
	AxMax	2.8	AxMin	1.5	Ang 164
					ErrZ 0
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp Per</i>
CMLA	e P	16:18:27.91		HZ	
	e S	16:18:28.95		H2	
	IAML	16:18:30.28		HZ	0.478 0.2
PGRON	e P	16:18:28.06		EZ	
	e S	16:18:29.90		EN	
	IAML	16:18:30.08		EZ	0.122 0.4

23-Fev	Ho	18:51:37.9			ML 2.8
	Lat	37.947°N	Lon	26.233°W	Prof 5*
	Região: Fossa de Hirondelle				Rms 0.3
	AxMax	81.8	AxMin	8.7	Ang 36
					ErrZ 0
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp Per</i>

PSET	e P	18:51:45.35	HZ				
	e S	18:51:51.22	HE				
	IAML	18:51:58.97	HZ	0.500	0.5		
PDA	e#P	18:51:47.37	SZ				
	e#S	18:51:50.85	SN				
	IAML	18:51:53.58	SZ	0.208	0.3		
CMLA	e P	18:51:47.76	HZ				
	e S	18:51:55.89	H1				
	IAML	18:51:57.10	HZ	0.402	0.3		
PGRON	e P	18:51:50.18	EZ				
	e S	18:51:58.76	EE				
	IAML	18:52:06.48	EZ	0.147	0.4		
PSCM	e P	18:51:54.04	EZ				
	e S	18:52:06.04	EE				
	IAML	18:52:08.17	EZ	0.281	0.2		

23-Fev	Ho	21:32:57.7				ML 2.2	
	Lat	37.783°N	Lon	25.497°W		Prof 10*	
	Região:	Maciço do Fogo				Rms 0.3	
	AxMax	6.5	AxMin	5.6	Ang	144	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>	
CMLA	e P	21:32:59.98		HZ			
	e S	21:33:01.02		H1			
	IAML	21:33:04.07		HZ	2.236	0.3	
PGRON	e P	21:33:01.83		EZ			
	e S	21:33:03.80		EE			
	IAML	21:33:03.83		EZ	0.277	0.1	
PDA	e#P	21:32:59.80		SZ			
	e#S	21:33:02.73		SN			
	IAML	21:33:03.89		SZ	0.160	0.2	

24-Fev	Ho	15:14:26.9				ML 1.3	
	Lat	37.811°N	Lon	25.511°W		Prof 5*	
	Região:	Maciço do Fogo				Rms 0.2	
	AxMax	7.9	AxMin	2.4	Ang	137	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>	
CMLA	e P	15:14:28.66		HZ			
	e S	15:14:29.87		H1			
	IAML	15:14:32.39		HZ	0.129	0.2	
PGRON	e P	15:14:30.33		EZ			
	e S	15:14:32.31		EN			
	IAML	15:14:34.46		EZ	0.034	0.2	

25-Fev	Ho	02:31:54.7				ML 1.9	
	Lat	37.774°N	Lon	25.486°W		Prof 5*	
	Região:	Maciço do Fogo				Rms 0.3	
	AxMax	4.0	AxMin	3.2	Ang	158	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>	
CMLA	e P	02:31:56.06		HZ			
	e S	02:31:57.43		H1			
	IAML	02:32:00.96		HZ	1.571	0.4	
PGRON	e P	02:31:58.11		EZ			
	IAML	02:31:59.06		EZ	0.592	0.3	
	e S	02:31:59.14		EN			
PDA	e#P	02:31:58.09		SZ			
	e#S	02:32:00.96		SN			
	IAML	02:32:04.24		SZ	0.115	0.5	

25-Fev	Ho	03:07:35.26					
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp</i>	<i>Per</i>	
CMLA	e P	03:07:35.26		HZ			
	e S	03:07:36.43		H2			
	IAML	03:07:37.32		HZ	0.034	0.1	
PGRON	e P	03:07:37.44		EZ			
	IAML	03:07:40.09		EZ	0.024	0.2	

25-Fev	Ho	15:05:33.2	Distante (NEIC)	Mw	5.5		
	Lat	04.292°N	Lon	32.617°W		Prof 10	
	Região:	Central Mid-Atlantic Ridge					
<i>Est</i>	<i>Fase</i>	<i>P h:m:s</i>	<i>Dur</i>	<i>Co</i>	<i>Amp</i>	<i>Per</i>	
PSMA	e T	15:46:34.84		SZ			
PSMN	e T	15:46:34.01		HZ			

25-Fev	Ho	23:44:01.2				ML 1.0	
	Lat	37.768°N	Lon	25.448°W		Prof 5*	
	Região:	Maciço do Fogo				Rms 0.3	
	AxMax	3.4	AxMin	2.9	Ang	84	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>	
PGRON	e P	23:44:03.12		EZ			
	e S	23:44:05.37		EE			
	IAML	23:44:06.12		EZ	0.099	0.1	
CMLA	e S	23:44:04.92		H2			
	IAML	23:44:07.20		HZ	0.018	0.1	

26-Fev	Ho	03:49:00.7				ML 1.6	
	Lat	37.761°N	Lon	25.476°W		Prof 5*	
	Região:	Maciço do Fogo				Rms 0.3	
	AxMax	3.7	AxMin	3.3	Ang	10	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>	
CMLA	e P	03:49:02.49		HZ			
	e S	03:49:03.44		H1			
	IAML	03:49:04.40		HZ	0.157	0.2	
PGRON	i P	03:49:03.90		EZ			
	e S	03:49:05.09		EE			
	IAML	03:49:07.06		EZ	0.215	0.1	

26-Fev	Ho	05:46:01.9				ML 1.8	
	Lat	37.786°N	Lon	25.458°W		Prof 5*	
	Região:	Maciço do Fogo				Rms 0.3	
	AxMax	2.9	AxMin	2.2	Ang	27	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>	
CMLA	e P	05:46:03.80		HZ			
	e S	05:46:05.00		H1			
	IAML	05:46:05.62		HZ	0.548	0.2	
PRIG	e P	05:46:04.01		HZ			
	e S	05:46:05.45		H2			
	IAML	05:46:06.50		HZ	0.699	0.1	
PGRON	e P	05:46:03.90		EZ			
	e S	05:46:06.22		EE			
	IAML	05:46:09.26		EZ	0.221	0.3	
PDA	e#P	05:46:05.58		SZ			
	e#S	05:46:08.45		SE			
	IAML	05:46:09.60		SZ	0.073	0.2	

27-Fev	Ho	14:31:25.0				ML 1.5	
	Lat	38.594°N	Lon	28.735°W		Prof 7	
	Região:	Caldeira (Faial)				Rms 0.1	
	AxMax	4.3	AxMin	1.8	Ang	91	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>	
CALA	e P	14:31:26.36		HZ			
	e S	14:31:27.60		HE			
	IAML	14:31:28.29		HZ	0.101	0.1	
PCED	e P	14:31:26.49		EZ			
	e S	14:31:27.62		EN			
	IAML	14:31:28.64		EZ	0.128	0.1	
PFCBR	e P	14:31:26.80		HZ			
	e S	14:31:28.32		HN			
	IAML	14:31:29.02		HZ	0.048	0.1	
HOR	e P	14:31:27.20		SZ			
	e S	14:31:28.77		SE			
	IAML	14:31:29.89		SZ	0.216	0.2	
PICO	e P	14:31:29.69		HZ			
	e S	14:31:33.70		HN			
	IAML	14:31:35.85		HZ	0.043	0.2	

Nota- Hipocentros dos sismos distantes determinados por:
NEIC - National Earthquake Information Center (EUA)

Este boletim foi compilado por:
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(Téc. Sup.)

CARTA DE EPICENTROS FEVEREIRO 2019

