INSTITUTO HIDROGRÁFICO

DIVISÃO DE OCEANOGRAFIA

PJ OC 22EO05
RELATÓRIO TÉCNICO PRELIMINAR
REL. TP-OC-08/2007

TRATAMENTO DE DADOS DE AGITAÇÃO MARÍTIMA AÇORES/TERCEIRA - OUT A DEZ 2006

MAR/2007

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EXEMPLAR Nº 1

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TÍTULO DO RELATÓRIO

Tratamento de dados de agitação marítima
Açores/Terceira, Outubro a Dezembro de 2006

AUTOR(ES)
INSTITUTO HIDROGRÁFICO

TIPO DE RELATÓRIO	PERÍODO	DATA DO RELATÓRIO	Nº DE PÁGINAS
Técnico Preliminar	Out a Dez 2006	14 de Março de 2007	110

NOTAS (continuar no verso se necessário)

RESUMO (continuar no verso se necessário)

Neste relatório apresenta-se o processamento dos dados de agitação marítima adquiridos pela estação ondógrafo direccional instalada ao largo da Praia da Vitória na ilha Terceira, relativos ao período de Outubro a Dezembro de 2006.

Os dados, constituídos por séries temporais de deslocamentos verticais (elevações) e horizontais segundo os eixos N-S e E-W, são calculados pelo microprocessador instalado na bóia, a partir das medições das três componentes da aceleração do movimento da superfície livre e das três componentes do campo magnético terrestre.

Os dados foram processados com vista à estimação da distribuição de energia, direcção média e dispersão, por bandas de frequência, bem como à estimação dos parâmetros característicos da agitação, no que respeita a alturas, períodos e direcções.

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DIVISÃO DE OCEANOGRAFIA

PJ OC 22EO05
RELATÓRIO TÉCNICO PRELIMINAR
REL. TP-OC-08/2007

TRATAMENTO DE DADOS DE AGITAÇÃO MARÍTIMA AÇORES/TERCEIRA – OUTUBRO A DEZEMBRO 2006

1. INTRODUÇÃO

Neste relatório apresenta-se o processamento dos dados de agitação marítima adquiridos pela estação ondógrafo direccional instalada ao largo da Praia da Vitória na ilha Terceira, relativos ao período de Outubro a Dezembro de 2006. A estação, composta pela bóia DIRECTIONAL WAVERIDER MKIII, receptor WAREC e computador PCPENTIUM, está situada na posição LATITUDE = 38° 44′ 54″ N, LONGITUDE = 27° 00′ 54″ W, Sonda Reduzida = 85 metros.

Os dados constituídos por séries temporais de deslocamentos verticais (elevações) e horizontais segundo os eixos N-S e E-W, são calculados pelo microprocessador instalado na bóia, a partir das medições das três componentes da aceleração do movimento da superfície livre e das três componentes do campo magnético terrestre.

Em condições normais a aquisição dos dados é efectuada de três em três horas, durante períodos de 30 minutos. Em condições de temporal, ou seja, quando a altura significativa excede 5 metros, os períodos de aquisição de 30 minutos são apenas espaçados de pequenos intervalos necessários ao processamento dos dados. Os dados são adquiridos a uma taxa de digitalização de 1.28 amostras por segundo e agrupados em blocos de 200 segundos. O limite mínimo de duração para que um conjunto de dados (registo) seja tratado é de 10 minutos. Os grupos data-hora estão referidos à hora local e correspondem ao início dos registos.

Os dados foram processados com vista à estimação da distribuição de energia, direcção média e dispersão, por bandas de frequência, bem como à estimação dos parâmetros característicos da agitação, no que respeita a alturas, períodos e direcções. Na base deste processamento estão:

- a estimação dos espectros cruzados entre as três séries temporais;
- a estimação dos cinco primeiros coeficientes da expansão em série de Fourier da função de distribuição direccional de energia.

As séries temporais de elevações foram também processadas pelo método directo.

Devido a problemas ocorridos no sistema de recepção e gravação, não existem dados no dia 12 de Novembro. Salienta-se ainda que, e atendendo aos resultados do processamento, optou-se por não considerar válidos alguns registos relativos aos meses de Outubro e Novembro, nomeadamente:

2007.04.17

- 15h 00m 05/10
- 09h 00m 08/10
- 15h 00m 10/10
- 03h 00m 16/10
- 18h 00m 21/10
- 15h 00m 03/11
- 00h 00m 29/11
- 18h 00m 29/11

Mais uma vez fazemos notar que continuam a verificar-se sistematicamente falhas de informação nesta estação ondógrafo, às quais esta instituição é completamente alheia.

2. RESULTADOS

São apresentados, para cada mês, os resultados do processamento efectuado, organizados de acordo com os seguintes ANEXOS:

ANEXO A - Listagem dos parâmetros HS, H10, H100, HMAX, HMED, THS, TH10, TH100, THMAX, TZ, TC e TMAX calculados pelo método directo;

ANEXO B - Gráficos temporais de HS, HMAX, TZ, TMAX, THS e THMAX;

ANEXO C - Tabelas de ocorrências conjuntas HMAX - THMAX, H100 - TH100, H10 - TH10, HS - THS, HS - TZ e HMAX - TMAX.

ANEXO D - Listagem dos parâmetros espectrais HM0, T02, TP, SMAX, e direccionais THTP1, SPRTP1, THHF1, THLF1 e N;

ANEXO E - Gráficos temporais de HM0, T02 e TP, THTP1, SPRTP1, THHF1, THLF1;

ANEXO F - Tabelas de ocorrências conjuntas HM0-T02 , HM0-TP, HM0-THTP1 e TP-THTP1;

ANEXO G - Evolução temporal da distribuição de energia e da direcção média por banda de frequência;

ANEXO H - Gráficos de distribuição de energia, direcção média e dispersão, para os registos em que HM0 ≥ 5.0 metros.

Adjunto da Divisão de Oceanografia
Responsável pela Secção de Agitação Marítima

Mariana Simões Costa
Assessora principal

Visto
O C / OC

José Alberto de Mesquita Onofre
CTEN EH

ANEXO A

Listagem dos parâmetros HS, H10, H100, HMAX, HMED, THS, TH10, TH100, THMAX, TZ, TC e TMAX, calculados pelo método directo

Código de símbolos:

NA		-	Número de alturas de onda de zero ascendente;
HS	(m)	-	Altura significativa (média do terço mais elevado das alturas de onda de zero ascendente);
H10	(m)	-	Média do décimo mais elevado das alturas de onda de zero ascendente;
H100	(m)	-	Média do centésimo mais elevado das alturas de onda de zero ascendente;
HMAX	(m)	-	Altura máxima de zero ascendente ocorrida no registo;
HMED	(m)	-	Altura média de zero ascendente;
THS	(s)	-	Média dos períodos correspondentes às ondas que foram utilizadas no cálculo de HS;
TH10	(s)	-	Média dos períodos correspondentes às ondas que foram utilizadas no cálculo de H10;
TH100	(s)	-	Média dos períodos correspondentes às ondas que foram utilizadas no cálculo de H100;
THMAX	(s)	-	Período correspondente a HMAX;
TZ	(s)	-	Média dos períodos de zero ascendente;
TC	(s)	-	Média dos períodos de crista;
TMAX	(s)	-	Período máximo ocorrido no registo.

PARAMETROS CALCULADOS PELO METODO DIRECTO TERCEIRA OUT 2006

DIA	HORA	NA	HS (m)	H10 (m)	H100 (m)	HMAX (m)	HMED (m)	THS (s)	TH10 (s)	TH100 (s)	THMAX (s)	TZ (s)	TC (s)	TMAX (s)
01	00-00	213	3.11	4.07	5.53	5.81	1.87	11.4	11.6	12.9	13.3	8.4	4.7	17.2
01	09-00	238	3.14	4.03	5.23	5.49	1.96	10.3	10.9	10.5	10.9	7.5	4.6	14.8
01	12-00	254	3.13	4.00	4.96	5.21	2.04	9.4	9.8	10.4	11.7	7.0	4.7	16.4
01	15-00	262	2.99	3.73	4.57	5.03	1.87	9.2	9.5	9.4	10.2	6.8	4.6	14.8
01	21-00	258	3.00	3.62	4.45	4.57	1.94	8.7	8.7	8.1	7.8	6.9	4.7	15.6
02	03-00	246	2.84	3.48	4.57	4.73	1.82	9.2	8.9	8.6	9.4	7.3	4.6	14.8
02	06-00	263	2.93	3.65	4.54	4.90	1.91	8.9	9.0	10.2	9.4	6.8	4.7	14.1
02	09-00	269	2.91	3.56	4.41	4.60	1.83	8.5	8.4	8.6	7.8	6.6	4.8	14.1
02	12-00	254	2.84	3.39	4.04	4.24	1.78	9.1	9.8	10.9	11.7	7.0	4.7	13.3
02	15-00	265	2.52	3.10	4.05	4.16	1.56	8.7	9.2	9.1	7.8	6.8	4.5	13.3
02	18-00	254	2.58	3.28	4.46	4.61	1.63	9.1	9.8	10.7	10.9	7.0	4.7	14.1
02	21-00	247	2.54	3.05	3.50	3.60	1.64	9.0	8.9	7.8	7.8	7.2	4.8	13.3
03	03-00	256	2.01	2.51	2.99	3.02	1.26	8.7	9.0	8.9	10.9	7.0	4.7	13.3
03	09-00	251	1.90	2.43	3.51	4.12	1.21	9.0	9.6	9.4	8.6	7.1	4.9	13.3
03	12-00	248	1.76	2.14	2.53	2.60	1.12	9.3	9.7	8.2	7.8	7.2	4.7	14.8
03	15-00	234	1.89	2.32	3.08	3.16	1.21	9.5	9.4	10.2	10.9	7.6	5.0	14.8
03	21-00	265	1.80	2.25	2.81	2.92	1.08	9.1	9.4	9.1	8.6	6.8	4.4	12.5
04	03-00	306	1.56	1.92	2.51	2.67	0.99	7.6	8.0	9.4	9.4	5.9	4.1	12.5
04	06-00	305	1.47	1.86	2.48	2.62	0.92	7.5	8.7	7.6	6.2	5.9	4.0	12.5
04	09-00	305	1.41	1.73	2.10	2.13	0.91	7.4	7.7	8.1	10.2	5.9	4.1	12.5
04	12-00	289	1.47	1.82	2.26	2.38	0.96	7.6	7.6	7.8	7.8	6.2	4.4	12.5
04	15-00	307	1.40	1.74	2.47	2.80	0.88	7.6	7.9	9.6	9.4	5.8	4.2	12.5
04	21-00	300	1.29	1.61	2.07	2.30	0.80	7.7	7.8	7.6	7.0	6.0	4.0	13.3
05	03-00	287	1.37	1.67	2.00	2.06	0.86	7.8	7.5	8.6	9.4	6.2	4.8	14.8
05	12-00	339	1.36	1.65	2.02	2.05	0.88	6.8	7.3	8.1	5.5	5.3	3.9	13.3
05	18-00	314	1.30	1.61	1.96	1.98	0.84	7.1	7.9	7.3	7.8	5.7	3.9	13.3
05	21-00	298	1.18	1.45	1.81	1.89	0.76	7.7	8.4	9.4	10.9	6.0	3.9	13.3
06	03-00	278	1.17	1.43	1.82	2.03	0.74	8.2	8.7	9.1	7.8	6.4	4.7	14.8
06	06-00	278	1.21	1.50	1.92	1.95	0.77	8.5	9.0	8.3	9.4	6.4	4.7	13.3
06	09-00	253	1.13	1.37	1.59	1.62	0.75	8.6	8.4	7.6	7.0	7.1	4.8	15.6
06	12-00	262	1.14	1.40	1.84	2.25	0.72	9.4	8.7	7.8	8.6	6.8	3.9	14.1
06	15-00	271	1.19	1.53	2.04	2.26	0.73	8.6	8.6	8.6	8.6	6.6	4.6	14.1
06	18-00	314	1.23	1.57	2.06	2.30	0.78	7.8	8.4	9.4	9.4	5.7	3.9	13.3
06	21-00	333	1.19	1.45	1.81	1.92	0.76	7.4	7.8	7.8	7.8	5.4	3.8	14.1
07	00-00	300	1.21	1.56	2.02	2.25	0.75	7.9	8.8	7.8	8.6	6.0	3.9	12.5
07	03-00	300	1.05	1.33	1.57	1.61	0.67	8.1	8.7	10.4	11.7	6.0	3.9	14.1
07	06-00	274	1.20	1.49	1.84	1.95	0.77	8.6	9.2	8.6	9.4	6.5	4.4	15.6
07	09-00	285	1.12	1.42	1.88	1.98	0.72	7.8	8.3	9.1	8.6	6.3	4.6	14.8
07	12-00	284	1.09	1.37	1.83	1.89	0.69	8.3	9.0	8.9	10.2	6.3	4.2	13.3
07	15-00	303	1.06	1.33	1.68	1.72	0.65	8.3	8.7	8.6	7.0	5.9	3.7	13.3
07	18-00	330	1.19	1.49	1.98	2.22	0.73	7.7	8.5	8.3	8.6	5.4	3.6	11.7
07	21-00	287	1.15	1.42	1.77	1.88	0.75	8.1	8.6	8.9	7.8	6.2	4.2	12.5
08	03-00	279	0.99	1.23	1.65	1.74	0.64	8.2	9.0	8.6	6.2	6.4	4.6	15.6
08	06-00	289	1.04	1.32	1.73	1.82	0.68	7.4	7.0	7.3	7.0	6.2	4.7	12.5
08	12-00	358	1.31	1.63	2.06	2.18	0.85	6.1	6.6	5.9	5.5	5.0	3.8	10.9

DIA	HORA	NA	HS (m)	H10 (m)	H100 (m)	HMAX (m)	HMED (m)	THS (s)	TH10 (s)	TH100 (s)	THMAX (s)	TZ (s)	TC (s)	TMAX (s)
08	15-00	346	1.23	1.52	1.85	1.89	0.77	6.6	6.9	8.6	7.8	5.2	3.6	13.3
09	00-00	279	2.06	2.50	3.02	3.07	1.31	7.9	7.5	7.8	8.6	6.4	4.7	12.5
09	03-00	308	1.78	2.22	2.92	3.10	1.12	7.6	7.9	9.4	9.4	5.8	4.3	12.5
09	06-00	278	2.06	2.50	2.95	3.13	1.30	8.3	8.9	9.1	8.6	6.4	4.5	13.3
09	09-00	253	2.29	2.89	3.74	3.90	1.47	9.0	8.8	9.1	9.4	7.1	4.9	13.3
09	12-00	253	1.90	2.40	3.11	3.21	1.20	8.9	9.3	8.6	8.6	7.1	5.0	12.5
09	15-00	263	1.68	2.12	2.54	2.58	1.06	8.4	9.2	9.9	9.4	6.8	4.7	13.3
09	18-00	256	1.71	2.09	2.53	2.56	1.05	9.2	9.0	8.9	8.6	7.0	4.4	13.3
09	21-00	227	1.58	1.89	2.24	2.36	1.01	8.7	9.2	9.0	8.6	6.2	4.0	11.7
10	00-00	258	1.44	1.78	2.20	2.31	0.91	8.8	9.0	9.1	9.4	7.0	4.4	12.5
10	03-00	233	1.51	1.87	2.31	2.34	0.94	9.5	9.5	8.6	7.8	7.7	5.2	13.3
10	06-00	246	1.47	1.80	2.43	2.54	0.94	9.4	9.2	9.0	8.6	7.3	4.7	14.8
10	09-00	258	1.62	1.99	2.46	2.49	1.04	8.3	9.0	8.1	9.4	6.9	4.8	13.3
10	12-00	249	2.27	2.90	3.78	3.82	1.40	9.4	9.8	9.4	9.4	7.2	4.8	13.3
10	18-00	198	2.73	3.36	4.39	4.58	1.72	11.1	11.1	9.8	10.9	9.0	5.4	15.6
10	21-00	198	2.59	3.18	4.08	4.08	1.67	10.7	11.1	9.0	8.6	9.0	5.5	15.6
11	03-00	225	2.06	2.49	3.37	3.39	1.31	9.6	9.5	10.9	10.9	8.0	5.4	14.1
11	06-00	215	2.20	2.69	3.47	3.56	1.35	9.9	9.8	9.0	9.4	8.3	6.0	14.1
11	09-00	200	2.19	2.69	3.36	3.54	1.47	10.0	9.8	9.4	9.4	8.9	6.1	14.1
11	12-00	229	2.14	2.60	3.11	3.15	1.32	9.9	9.9	10.2	10.2	7.8	6.0	13.3
11	15-00	217	1.87	2.32	2.80	2.94	1.17	9.8	10.1	9.0	9.4	8.1	5.8	13.3
11	18-00	214	1.68	2.10	2.62	2.79	1.02	10.2	10.0	10.5	10.9	8.3	5.0	15.6
11	21-00	218	1.64	2.00	2.38	2.40	1.03	10.0	10.4	9.8	10.9	8.2	5.3	14.8
12	00-00	249	1.55	1.99	2.50	2.65	0.93	10.0	10.2	9.4	9.4	7.2	4.0	13.3
12	03-00	267	1.61	2.08	2.51	2.68	0.95	10.2	10.8	10.7	10.9	6.7	3.7	18.0
12	06-00	262	1.69	2.13	2.74	3.06	1.03	10.0	11.4	12.8	12.5	6.8	3.7	16.4
12	09-00	274	1.79	2.15	2.69	2.83	1.14	8.9	9.9	11.5	10.2	6.6	4.1	15.6
12	12-00	317	1.54	1.93	2.43	2.78	0.98	7.8	8.8	9.6	11.7	5.7	3.7	13.3
12	15-00	339	1.62	1.96	2.29	2.35	1.05	7.0	7.8	9.4	7.0	5.3	3.7	14.8
12	18-00	305	1.60	2.04	2.43	2.53	1.00	8.2	9.0	9.1	11.7	5.9	3.8	13.3
12	21-00	260	1.94	2.36	2.90	3.26	1.22	9.1	9.7	9.1	7.8	6.9	4.6	17.2
13	03-00	296	1.88	2.34	2.80	2.87	1.20	8.3	8.8	8.9	10.2	6.0	4.1	14.1
13	06-00	295	1.64	2.09	2.83	3.02	1.03	8.1	9.1	9.9	9.4	6.1	3.9	14.8
13	09-00	267	1.74	2.11	2.47	2.61	1.07	9.3	10.0	10.4	10.9	6.7	4.1	14.8
13	12-00	236	1.90	2.21	2.69	2.70	1.25	9.9	9.9	9.8	10.9	7.6	4.6	14.8
13	15-00	242	2.24	2.78	3.20	3.23	1.43	9.4	9.6	10.5	10.2	7.4	4.7	13.3
13	18-00	232	2.20	2.74	3.38	3.42	1.38	10.0	9.8	10.2	10.9	7.7	4.6	17.2
14	03-00	166	2.95	3.70	4.36	4.41	1.91	13.3	13.4	14.5	14.8	10.7	5.5	18.0
14	06-00	189	2.82	3.46	4.40	4.64	1.79	12.2	12.6	13.3	13.3	9.5	5.2	17.2
14	09-00	176	3.07	3.73	4.43	4.47	1.94	12.0	12.2	12.5	11.7	10.1	6.4	18.8
14	12-00	197	2.65	3.30	3.88	3.97	1.69	11.3	11.7	11.7	10.2	9.1	5.4	17.2
14	15-00	233	2.28	2.88	3.55	3.73	1.40	10.9	11.9	10.9	10.2	7.7	4.5	16.4
14	18-00	233	2.26	2.93	3.85	3.89	1.41	11.1	11.6	10.9	10.2	7.7	4.3	17.2
14	21-00	248	2.34	2.94	3.63	3.67	1.46	10.4	11.2	11.7	10.9	7.2	4.1	15.6
15	03-00	239	3.11	3.98	5.07	5.15	1.94	10.1	10.7	9.8	9.4	7.5	4.7	16.4

DIA	HORA	NA	HS (m)	H10 (m)	H100 (m)	HMAX (m)	HMED (m)	THS (s)	TH10 (s)	TH100 (s)	THMAX (s)	TZ (s)	TC (s)	TMAX (s)
15	06-00	235	3.43	4.08	4.93	5.08	2.24	9.4	9.8	9.4	8.6	7.6	5.3	14.8
15	09-00	264	3.00	3.81	4.81	5.09	1.90	8.5	9.0	8.9	7.8	6.8	4.9	16.4
15	12-00	255	3.21	3.98	5.03	5.46	2.01	9.1	9.8	9.4	8.6	7.0	4.7	15.6
15	15-00	253	3.10	3.88	4.74	4.92	2.00	9.2	9.4	8.9	10.2	7.1	4.7	15.6
15	18-00	251	3.15	3.93	4.63	4.93	2.01	9.3	9.9	11.7	10.9	7.1	4.8	15.6
15	21-00	243	3.24	4.01	4.78	4.94	2.04	9.0	9.5	9.8	10.2	7.4	5.0	14.1
16	06-00	269	2.82	3.56	4.85	5.68	1.78	8.5	8.8	8.6	7.0	6.7	4.8	16.4
16	09-00	269	3.07	3.77	4.49	4.87	1.96	8.1	8.3	8.9	7.0	6.6	4.9	12.5
16	12-00	261	2.95	3.64	4.43	4.86	1.86	8.8	8.9	8.6	9.4	6.9	4.5	14.1
16	15-00	249	3.45	4.19	5.78	6.52	2.21	9.0	9.3	9.0	8.6	7.2	4.8	13.3
16	18-00	238	3.77	4.80	5.76	5.79	2.30	9.5	10.1	10.5	10.9	7.5	5.0	13.3
16	21-00	238	3.75	4.51	5.37	5.57	2.37	9.7	10.1	10.9	10.9	7.5	5.1	13.3
17	00-00	222	3.93	4.74	5.51	5.53	2.56	10.1	9.7	9.0	8.6	8.1	5.1	14.8
17	03-00	225	4.42	5.44	6.64	7.14	2.71	10.2	10.4	10.9	10.9	8.0	5.1	15.6
17	06-00	215	4.41	5.42	6.94	7.60	2.82	10.4	10.5	9.4	7.8	8.3	5.6	15.6
17	09-00	222	4.00	5.11	7.25	8.36	2.55	10.0	10.2	10.9	10.9	8.0	5.3	14.8
17	12-00	213	3.87	4.74	6.70	7.41	2.57	10.2	9.9	9.0	8.6	8.4	5.4	14.8
17	15-00	245	3.41	4.19	5.70	5.82	2.09	9.5	9.7	9.4	9.4	7.3	4.8	19.5
17	18-00	249	3.46	4.34	5.70	5.88	2.17	9.3	9.7	10.2	9.4	7.2	5.0	14.1
17	21-00	246	3.11	3.79	4.51	4.57	2.04	9.0	9.2	9.0	9.4	7.3	5.0	14.1
18	03-00	244	2.60	3.21	4.06	4.20	1.61	9.4	9.4	8.6	8.6	7.3	5.0	13.3
18	06-00	245	2.60	3.23	3.70	3.75	1.61	9.3	9.3	9.8	8.6	7.3	4.9	14.1
18	09-00	251	2.59	3.30	4.44	4.77	1.60	9.0	9.4	10.2	10.9	7.1	5.0	13.3
18	12-00	254	2.27	2.91	3.94	4.40	1.41	8.9	9.1	8.1	7.8	7.1	4.8	12.5
18	15-00	249	2.10	2.60	3.64	3.98	1.32	8.9	9.2	9.8	9.4	7.2	5.0	13.3
18	18-00	239	2.13	2.73	3.59	3.60	1.35	9.2	9.8	9.8	9.4	7.5	4.7	13.3
18	21-00	287	1.94	2.58	3.27	3.34	1.14	8.8	9.5	8.6	8.6	6.2	4.0	12.5
19	03-00	331	1.46	1.87	2.43	2.63	0.89	7.4	8.0	8.6	9.4	5.4	3.5	12.5
19	09-00	307	1.26	1.61	1.99	2.03	0.81	8.3	9.7	9.6	7.0	5.8	3.7	13.3
19	12-00	291	1.55	2.01	2.56	2.87	0.94	9.0	10.1	9.4	8.6	6.2	3.7	13.3
19	18-00	255	1.89	2.35	2.91	2.99	1.17	10.0	10.9	10.2	11.7	7.0	4.0	15.6
19	21-00	251	2.54	3.29	4.40	4.55	1.54	9.9	11.0	11.2	12.5	7.1	4.6	15.6
20	06-00	214	2.65	3.32	4.26	4.56	1.60	11.1	11.3	11.7	11.7	8.4	5.0	16.4
20	09-00	225	2.56	3.17	4.18	4.81	1.57	10.6	10.6	12.5	12.5	8.0	4.8	14.8
20	12-00	223	2.41	2.99	3.45	3.47	1.46	11.0	11.2	12.1	11.7	8.0	4.6	14.8
20	15-00	209	2.34	3.05	3.90	3.96	1.45	10.7	11.2	10.9	11.7	8.6	5.3	14.8
20	18-00	210	2.60	3.24	3.81	3.86	1.55	11.0	11.2	10.9	10.2	8.5	5.4	16.4
21	00-00	178	3.16	3.91	5.29	5.59	1.98	12.4	12.7	14.1	14.8	10.0	5.7	17.2
21	09-00	218	2.60	3.12	3.99	4.03	1.63	10.5	10.9	10.9	10.9	8.2	5.0	17.2
21	12-00	239	2.33	2.95	4.00	4.21	1.37	10.8	10.9	11.7	11.7	7.5	4.3	15.6
21	15-00	232	1.70	2.14	2.80	2.91	1.07	10.3	10.7	10.5	10.2	7.7	4.5	15.6
21	21-00	216	1.88	2.39	3.07	3.18	1.16	11.1	11.2	10.9	10.2	8.3	5.0	16.4
22	00-00	212	2.16	2.67	3.08	3.10	1.34	11.3	11.3	11.3	11.7	8.4	4.8	15.6
22	03-00	199	2.08	2.51	2.96	3.00	1.29	10.9	11.0	10.9	10.9	9.0	5.3	16.4
22	06-00	209	2.14	2.64	3.17	3.19	1.35	11.2	11.6	11.3	12.5	8.6	5.4	17.2

DIA	HORA	NA	HS (m)	H10 (m)	H100 (m)	HMAX (m)	HMED (m)	THS (s)	TH10 (s)	TH100 (s)	THMAX (s)	TZ (s)	TC (s)	TMAX (s)
22	09-00	218	2.36	3.00	4.47	4.75	1.44	11.3	11.9	12.1	13.3	8.2	5.1	18.8
22	12-00	222	2.36	2.89	3.51	3.64	1.43	11.7	12.0	11.3	10.9	8.1	4.5	19.5
22	15-00	200	2.19	2.70	3.50	3.60	1.37	11.9	11.6	10.5	10.9	8.9	4.5	17.2
22	18-00	212	2.03	2.56	3.22	3.43	1.26	11.4	11.3	11.7	11.7	8.5	4.5	16.4
22	21-00	214	1.89	2.33	2.77	2.77	1.17	11.0	12.1	12.5	14.8	8.3	4.8	15.6
23	03-00	212	2.15	2.70	3.31	3.51	1.32	10.9	11.5	10.5	11.7	8.4	5.4	16.4
23	06-00	229	2.06	2.62	3.16	3.17	1.28	10.2	10.2	10.5	10.9	7.8	4.5	15.6
23	15-00	218	1.81	2.24	2.65	2.77	1.09	10.8	10.9	11.3	10.9	8.2	4.3	16.4
23	18-00	255	1.74	2.21	2.90	3.17	1.08	9.5	10.2	12.8	12.5	7.0	4.7	14.8
23	21-00	249	1.69	2.04	2.47	2.57	1.06	9.7	10.5	10.2	10.9	7.2	4.6	13.3
24	00-00	263	1.69	2.12	2.50	2.71	1.01	10.3	10.7	10.7	11.7	6.8	4.0	14.8
24	03-00	231	1.40	1.71	2.00	2.04	0.92	10.1	10.3	9.0	9.4	7.7	4.3	14.8
24	06-00	261	1.64	2.04	2.68	3.13	1.03	9.3	9.8	10.9	10.2	6.9	4.0	13.3
24	09-00	302	1.75	2.20	2.64	2.78	1.11	7.9	8.4	10.4	8.6	5.9	4.1	13.3
24	18-00	285	2.29	2.83	3.64	3.75	1.48	7.9	8.1	7.8	7.8	6.3	4.4	18.8
25	12-00	245	2.96	3.48	4.26	4.47	1.89	9.3	9.7	9.4	8.6	7.3	4.7	14.8
25	15-00	241	3.21	4.05	5.15	5.16	1.97	9.7	10.2	10.2	10.9	7.4	5.0	14.1
25	18-00	219	3.12	3.95	4.94	5.02	1.84	10.4	10.6	10.5	10.2	8.2	5.3	14.8
25	21-00	217	3.13	3.98	5.32	5.34	1.91	10.8	10.5	10.5	11.7	8.2	5.5	15.6
26	00-00	205	3.35	4.00	4.93	5.07	2.08	10.9	10.9	10.5	10.9	8.7	6.0	14.8
26	03-00	206	3.23	4.19	5.83	6.18	2.04	10.8	10.5	9.8	10.9	8.7	5.9	14.8
26	12-00	202	2.51	3.20	4.38	4.66	1.54	10.9	11.2	11.7	11.7	8.8	5.1	16.4
26	15-00	202	2.15	2.67	3.39	3.56	1.40	10.6	10.7	10.5	10.9	8.8	4.4	14.8
26	18-00	199	2.04	2.58	3.49	3.62	1.25	11.2	11.4	11.3	12.5	9.0	5.3	14.1
26	21-00	195	2.21	2.73	3.66	3.80	1.35	11.4	11.5	10.2	10.2	9.2	5.6	14.8
27	00-00	203	1.95	2.48	2.86	2.87	1.18	10.8	11.0	10.5	10.2	8.8	5.0	16.4
27	03-00	207	1.72	2.20	3.12	3.55	1.07	10.5	10.6	11.3	11.7	8.6	4.8	13.3
27	06-00	207	1.69	2.03	2.62	2.66	1.07	10.5	10.7	10.2	10.2	8.7	4.8	14.8
27	09-00	212	1.57	2.01	2.56	2.57	0.97	10.6	10.4	10.5	10.9	8.5	4.5	16.4
27	12-00	231	1.47	1.83	2.32	2.54	0.87	10.5	11.0	9.8	10.2	7.8	4.1	14.1
27	15-00	232	1.30	1.58	2.04	2.21	0.83	10.1	9.9	9.8	9.4	7.7	4.2	13.3
27	18-00	272	1.27	1.58	1.87	2.07	0.75	9.7	9.8	10.2	10.2	6.6	3.7	13.3
27	21-00	301	1.19	1.59	2.35	2.55	0.71	8.9	9.5	10.2	10.2	5.9	3.6	13.3
28	03-00	325	0.91	1.14	1.44	1.46	0.55	8.6	9.1	9.6	10.2	5.5	3.2	14.1
28	06-00	376	0.92	1.14	1.49	1.55	0.59	6.6	7.6	8.0	9.4	4.8	3.2	11.7
28	09-00	344	0.91	1.13	1.41	1.49	0.58	7.2	7.7	9.4	10.9	5.2	3.7	12.5
28	12-00	318	0.79	1.00	1.35	1.42	0.50	8.1	9.1	9.4	8.6	5.6	3.4	12.5
28	15-00	365	0.81	1.01	1.32	1.58	0.51	7.3	9.2	9.8	9.4	4.9	3.1	13.3
28	18-00	364	0.92	1.12	1.33	1.37	0.59	7.0	8.5	7.8	7.0	4.9	3.2	14.1
28	21-00	360	0.98	1.24	1.63	1.95	0.64	6.8	8.1	8.8	10.9	5.0	3.6	13.3
29	03-00	382	1.33	1.71	2.08	2.15	0.86	5.8	6.3	5.7	7.0	4.7	3.6	11.7
29	06-00	387	1.39	1.77	2.23	2.32	0.89	5.6	6.0	6.8	6.2	4.6	3.6	10.9
29	09-00	346	1.40	1.67	1.99	2.16	0.92	6.2	6.4	5.7	6.2	5.2	3.8	12.5
29	12-00	345	1.34	1.63	2.01	2.04	0.88	6.5	7.2	5.5	6.2	5.2	3.7	14.1
29	15-00	310	1.26	1.54	1.92	1.97	0.83	7.1	7.6	6.2	6.2	5.8	4.1	14.1

PARAMETROS CALCULADOS PELO METODO DIRECTO TERCEIRA OUT 2006

DIA	HORA	NA	HS (m)	H10 (m)	H100 (m)	HMAX (m)	HMED (m)	THS (s)	TH10 (s)	TH100 (s)	THMAX (s)	TZ (s)	TC (s)	TMAX (s)
29	18-00	305	1.21	1.54	1.83	1.97	0.78	7.3	8.5	8.9	10.9	5.9	4.2	14.8
29	21-00	313	1.22	1.57	2.06	2.12	0.78	7.5	8.2	9.6	5.5	5.7	4.2	14.1
30	03-00	294	1.22	1.48	1.77	1.92	0.77	7.9	8.4	8.1	10.2	6.1	4.3	14.8
30	06-00	264	1.24	1.51	1.82	1.94	0.79	9.0	9.5	9.6	8.6	6.8	4.7	14.8
30	09-00	280	1.37	1.67	2.17	2.25	0.87	8.8	9.2	10.7	9.4	6.4	4.3	14.1
30	12-00	283	1.58	1.91	2.42	2.67	1.01	8.4	8.3	9.1	8.6	6.3	4.1	13.3
30	18-00	290	1.66	2.14	2.74	3.23	1.04	8.0	8.2	8.3	8.6	6.2	4.3	13.3
30	21-00	278	1.73	2.19	2.69	2.76	1.13	8.0	7.9	7.0	6.2	6.4	4.6	12.5
31	03-00	312	1.64	2.05	2.63	2.73	1.01	7.5	8.2	8.3	8.6	5.7	4.3	12.5
31	06-00	310	1.58	1.96	2.57	2.65	1.00	7.7	8.0	8.3	7.8	5.8	4.2	13.3
31	09-00	294	1.75	2.22	2.65	2.82	1.11	7.2	7.5	9.4	8.6	6.1	4.2	12.5
31	12-00	295	1.63	2.03	2.52	2.65	1.05	7.6	7.4	7.0	8.6	6.1	4.3	14.1
31	15-00	301	1.64	2.05	2.75	3.03	1.06	7.6	8.1	6.8	6.2	6.0	4.1	11.7
31	18-00	291	1.94	2.44	3.25	3.73	1.23	7.7	7.7	8.3	9.4	6.2	4.4	12.5
31	21-00	282	2.11	2.73	3.43	3.87	1.34	7.8	8.1	7.8	9.4	6.4	4.5	13.3

PARAMETROS CALCULADOS PELO METODO DIRECTO TERCEIRA NOV 2006

DIA	HORA	NA	HS (m)	H10 (m)	H100 (m)	HMAX (m)	HMED (m)	THS (s)	TH10 (s)	TH100 (s)	THMAX (s)	TZ (s)	TC (s)	TMAX (s)
01	03-00	289	1.91	2.38	3.07	3.32	1.24	7.5	7.7	6.2	6.2	6.2	4.5	12.5
01	06-00	289	1.82	2.37	3.21	3.45	1.17	7.9	7.7	7.3	7.8	6.2	4.4	11.7
01	09-00	288	1.95	2.48	3.07	3.16	1.20	7.9	7.9	7.6	8.6	6.2	4.4	12.5
01	12-00	276	1.90	2.38	2.85	2.94	1.22	7.7	7.9	7.6	7.8	6.5	4.7	14.1
01	15-00	301	1.83	2.29	3.14	3.29	1.13	7.3	7.6	7.6	7.0	6.0	4.3	11.7
01	18-00	307	1.86	2.41	3.26	3.43	1.17	7.1	7.1	7.3	7.8	5.8	4.5	12.5
02	03-00	255	1.80	2.13	2.43	2.58	1.23	8.0	7.6	8.6	9.4	7.0	4.9	14.1
02	06-00	266	1.83	2.32	2.93	2.96	1.15	8.5	8.6	7.8	6.2	6.7	4.5	16.4
02	09-00	250	2.05	2.60	3.34	3.56	1.30	8.9	8.3	9.4	7.8	7.2	4.7	15.6
02	12-00	238	2.09	2.56	3.20	3.23	1.36	9.6	9.7	9.4	10.2	7.5	4.6	16.4
02	15-00	263	2.06	2.54	3.43	3.91	1.26	8.8	8.9	8.6	7.8	6.8	4.4	15.6
02	18-00	271	2.05	2.58	2.96	3.08	1.27	8.7	9.1	9.4	9.4	6.6	4.4	15.6
02	21-00	268	2.20	2.72	3.44	3.57	1.39	8.8	9.2	9.6	7.8	6.7	4.4	14.1
03	03-00	270	2.39	3.00	3.98	4.11	1.46	8.5	8.9	7.8	7.0	6.6	4.5	14.8
03	06-00	256	2.36	2.93	4.13	4.55	1.51	8.9	9.2	8.1	8.6	7.0	4.7	14.1
03	09-00	264	2.40	2.91	3.62	3.96	1.52	8.5	8.5	8.6	9.4	6.8	4.6	14.1
03	12-00	285	2.51	3.16	3.89	4.16	1.63	8.2	8.3	8.6	9.4	6.3	4.5	13.3
03	18-00	280	2.47	3.13	4.05	4.15	1.57	7.9	8.4	8.6	10.2	6.4	4.6	13.3
03	21-00	270	2.74	3.41	4.11	4.40	1.73	8.2	8.6	8.9	8.6	6.6	4.9	14.1
04	00-00	269	2.68	3.34	4.53	5.23	1.71	8.4	8.2	8.6	7.8	6.7	4.7	14.1
04	03-00	268	2.39	3.01	3.66	3.95	1.50	8.4	8.7	9.1	9.4	6.7	4.5	13.3
04	06-00	266	2.84	3.69	5.21	5.97	1.78	8.4	8.9	8.6	8.6	6.7	4.6	13.3
04	09-00	268	2.77	3.51	4.56	4.91	1.70	8.6	8.6	9.9	10.9	6.7	4.8	13.3
04	12-00	258	2.77	3.48	4.21	4.54	1.76	8.2	8.2	8.3	7.8	6.9	4.8	13.3
04	18-00	251	2.62	3.26	4.06	4.38	1.65	8.9	9.1	8.6	9.4	7.1	4.6	12.5
05	00-00	251	2.63	3.32	4.16	4.24	1.63	9.3	9.2	8.6	9.4	7.1	5.0	13.3
05	03-00	242	2.45	3.06	3.67	3.82	1.56	8.9	9.2	9.0	8.6	7.4	5.0	14.8
05	06-00	246	2.60	3.31	4.36	4.48	1.61	9.0	9.0	8.2	8.6	7.3	4.9	14.8
05	09-00	241	2.68	3.33	4.08	4.22	1.67	9.4	9.6	8.6	7.8	7.4	5.0	14.1
05	12-00	253	2.28	2.81	3.28	3.35	1.48	9.2	9.2	8.1	5.5	7.1	4.6	14.1
05	15-00	221	2.24	2.81	3.80	4.26	1.42	9.9	9.6	8.6	9.4	8.1	5.3	14.8
05	18-00	232	2.23	2.80	3.59	3.84	1.40	9.3	9.6	10.2	10.2	7.7	5.3	14.1
05	21-00	258	2.45	3.10	4.39	4.72	1.48	9.3	9.6	9.9	10.2	7.0	4.8	14.1
06	03-00	233	2.12	2.60	3.21	3.21	1.33	9.3	9.3	10.2	10.2	7.7	5.4	14.1
06	06-00	249	1.86	2.23	2.80	2.86	1.14	9.3	9.2	8.6	9.4	7.2	4.6	13.3
06	09-00	247	2.04	2.67	3.91	4.50	1.24	9.4	9.6	9.4	10.2	7.2	4.9	13.3
06	12-00	239	1.84	2.29	3.07	3.53	1.16	9.3	9.7	9.0	9.4	7.5	4.8	13.3
06	15-00	234	1.65	2.05	2.61	2.73	1.02	9.9	10.1	9.8	10.2	7.6	5.0	14.1
06	18-00	221	1.84	2.33	2.95	3.05	1.15	10.0	9.9	10.5	10.9	8.1	5.6	14.1
06	21-00	224	1.89	2.44	3.24	3.32	1.20	9.7	9.7	9.4	9.4	8.0	5.1	14.1
07	03-00	223	1.72	2.15	2.65	2.72	1.08	9.5	10.0	9.4	9.4	8.0	5.9	14.1
07	06-00	239	1.54	1.99	2.59	2.64	0.96	9.0	9.2	9.0	8.6	7.5	5.7	13.3
07	09-00	236	1.44	1.80	2.36	2.49	0.91	9.2	8.9	8.2	7.8	7.6	5.0	14.8
07	12-00	247	1.44	1.87	2.61	2.85	0.87	9.3	9.3	8.6	8.6	7.2	4.4	13.3
07	15-00	273	1.35	1.67	2.00	2.03	0.83	8.9	9.6	8.9	7.8	6.6	4.1	12.5

DIA	HORA	NA	HS (m)	H10 (m)	H100 (m)	HMAX (m)	HMED (m)	THS (s)	TH10 (s)	TH100 (s)	THMAX (s)	TZ (s)	TC (s)	TMAX (s)
07	18-00	279	1.15	1.42	1.86	1.98	0.73	8.2	8.2	8.6	8.6	6.4	4.3	12.5
07	21-00	278	1.29	1.66	2.07	2.29	0.80	8.3	8.7	9.1	9.4	6.4	4.0	11.7
08	00-00	303	1.24	1.58	2.00	2.04	0.76	8.3	8.8	8.9	9.4	5.9	3.7	12.5
08	06-00	344	1.15	1.42	1.76	1.87	0.74	6.8	7.7	8.1	8.6	5.2	3.9	11.7
08	12-00	347	1.23	1.54	1.97	2.13	0.81	6.8	8.0	9.4	7.8	5.1	3.7	12.5
08	15-00	356	1.37	1.69	2.00	2.08	0.86	6.5	7.2	7.4	10.9	5.0	3.8	11.7
08	18-00	350	1.39	1.75	2.32	2.60	0.89	6.1	6.1	6.1	6.2	5.1	3.8	12.5
08	21-00	361	1.59	1.93	2.43	2.86	1.01	5.8	5.8	6.1	6.2	5.0	4.0	10.2
09	00-00	346	1.91	2.39	3.19	3.36	1.23	6.1	6.3	5.7	6.2	5.2	4.0	10.9
09	03-00	297	2.37	2.88	3.52	3.69	1.53	7.4	7.2	6.8	7.0	6.0	4.3	11.7
09	06-00	281	2.17	2.71	3.61	3.76	1.37	7.4	7.3	7.8	7.8	6.4	4.6	10.9
09	09-00	299	2.11	2.59	3.25	3.62	1.33	7.4	7.3	7.6	7.8	6.0	4.2	13.3
09	12-00	296	2.69	3.49	5.05	5.31	1.70	6.7	6.9	7.0	7.8	6.1	4.4	10.9
09	15-00	297	2.30	2.84	3.42	3.65	1.49	7.0	7.2	7.8	7.8	6.0	4.4	12.5
09	18-00	283	2.33	2.82	3.48	3.78	1.52	7.3	7.2	7.3	7.0	6.3	5.0	12.5
09	21-00	277	2.16	2.67	3.27	3.30	1.38	7.5	7.7	7.6	7.8	6.5	5.1	10.9
10	03-00	279	2.44	2.96	3.83	4.02	1.57	7.8	7.9	7.0	7.8	6.4	4.6	10.9
10	06-00	266	2.29	2.81	3.66	4.06	1.49	7.9	8.1	7.3	7.0	6.7	4.9	13.3
10	09-00	272	2.40	2.99	3.44	3.53	1.46	8.3	8.2	8.3	7.8	6.6	4.8	13.3
10	15-00	253	2.58	3.29	4.42	5.34	1.60	8.5	8.5	7.8	7.0	7.1	5.0	11.7
10	18-00	253	2.60	3.34	4.11	4.18	1.66	8.7	9.0	9.1	9.4	7.1	4.9	12.5
10	21-00	248	2.75	3.51	4.64	4.73	1.69	9.0	9.0	8.6	8.6	7.2	5.1	13.3
11	00-00	254	2.64	3.30	4.04	4.21	1.63	8.8	9.0	8.3	7.8	7.1	5.3	14.1
11	03-00	232	2.60	3.21	4.45	4.62	1.73	8.9	9.0	9.0	9.4	7.7	4.9	14.8
11	06-00	251	2.56	3.26	3.73	3.83	1.62	8.7	8.8	7.8	9.4	7.1	4.5	14.1
11	09-00	273	2.36	2.82	3.56	3.73	1.51	8.3	8.1	8.6	9.4	6.5	4.5	12.5
11	12-00	279	2.69	3.34	3.86	4.10	1.70	7.9	7.7	7.8	7.8	6.4	4.6	12.5
11	15-00	290	2.66	3.36	4.24	4.62	1.67	7.7	7.9	8.3	8.6	6.2	4.6	11.7
13	12-00	292	1.64	2.04	2.41	2.44	1.04	7.9	8.0	7.8	7.8	6.1	4.4	17.2
13	15-00	272	1.46	1.90	2.70	2.95	0.95	8.4	8.1	7.8	7.8	6.6	4.4	13.3
13	18-00	276	1.51	1.91	2.43	2.69	0.95	7.9	8.1	8.1	7.0	6.5	4.7	16.4
13	21-00	270	1.43	1.80	2.28	2.39	0.95	7.9	7.9	8.9	10.2	6.6	4.6	14.8
14	00-00	282	1.43	1.82	2.59	2.61	0.88	7.6	7.6	7.3	8.6	6.3	4.3	15.6
14	03-00	280	1.40	1.76	2.24	2.53	0.89	8.0	8.1	7.0	8.6	6.4	4.4	13.3
14	06-00	266	1.28	1.55	1.99	2.23	0.83	8.3	8.3	8.9	7.8	6.7	4.7	16.4
14	09-00	250	1.12	1.37	1.69	1.80	0.73	9.0	9.1	8.3	8.6	7.2	4.6	18.0
14	12-00	248	1.25	1.52	1.69	1.69	0.79	9.3	9.6	8.2	7.8	7.2	5.1	14.8
14	15-00	246	1.26	1.56	1.97	2.10	0.76	10.4	11.1	12.1	11.7	7.3	4.6	15.6
14	18-00	245	1.42	1.72	2.11	2.19	0.87	10.4	11.1	11.7	11.7	7.3	4.1	15.6
15	03-00	314	2.31	2.87	3.35	3.45	1.46	7.1	7.2	8.3	9.4	5.7	4.1	14.8
15	06-00	252	3.22	4.00	4.99	5.31	2.06	9.1	9.2	9.9	8.6	7.1	4.6	16.4
15	09-00	238	3.69	4.59	5.46	5.51	2.37	9.7	10.3	8.6	10.2	7.5	5.0	15.6
15	12-00	236	3.46	4.48	6.05	6.23	2.14	9.3	9.6	10.5	10.2	7.6	5.0	18.0
15	15-00	205	3.90	4.73	5.98	6.05	2.56	10.9	11.4	12.9	14.8	8.7	5.1	18.0
15	18-00	205	4.05	5.06	6.68	7.37	2.45	11.5	12.1	14.1	14.1	8.7	5.1	17.2

DIA	HORA	NA	HS (m)	H10 (m)	H100 (m)	HMAX (m)	HMED (m)	THS (s)	TH10 (s)	TH100 (s)	THMAX (s)	TZ (s)	TC (s)	TMAX (s)
15	21-00	207	4.19	5.15	6.70	7.34	2.67	11.2	11.8	11.7	10.9	8.7	5.4	17.2
16	00-00	216	4.40	5.51	7.32	8.29	2.67	11.0	11.5	10.9	9.4	8.2	5.3	17.2
16	03-00	223	3.99	4.99	6.49	6.84	2.46	10.3	10.7	10.5	10.2	8.0	5.0	18.0
16	06-00	219	4.29	5.59	7.05	7.37	2.56	11.4	11.9	10.2	10.2	8.2	5.3	18.8
16	09-00	226	3.87	4.83	6.35	6.55	2.28	11.0	11.5	11.3	11.7	7.9	5.1	16.4
16	12-00	202	3.45	4.23	5.21	5.45	2.12	11.3	11.3	12.9	12.5	8.9	5.1	18.0
16	15-00	199	3.68	4.43	5.14	5.29	2.24	11.6	11.8	11.7	10.2	9.0	5.4	17.2
16	18-00	196	3.58	4.32	5.36	5.75	2.29	11.8	11.9	11.3	10.2	9.1	4.9	18.0
16	21-00	201	3.78	4.64	5.86	5.98	2.41	11.8	11.8	11.3	10.2	8.9	5.3	17.2
17	00-00	208	3.75	4.68	6.35	6.51	2.31	11.4	12.3	12.9	13.3	8.6	5.4	20.3
17	03-00	219	3.27	4.13	5.20	5.27	2.03	10.9	11.2	10.5	10.2	8.1	4.7	15.6
17	06-00	214	3.55	4.57	5.95	6.05	2.08	11.1	12.2	11.7	12.5	8.4	5.1	14.8
17	09-00	193	3.67	4.57	5.80	5.87	2.27	11.8	11.8	11.7	12.5	9.3	5.7	17.2
17	12-00	197	3.29	3.94	4.82	4.87	2.15	10.9	10.7	11.7	12.5	9.1	5.5	19.5
17	15-00	199	3.17	3.94	5.33	5.64	1.97	12.0	11.6	11.7	11.7	9.0	5.3	15.6
17	18-00	211	2.94	3.67	4.40	4.64	1.81	10.8	10.5	9.8	10.2	8.5	5.4	17.2
17	21-00	202	3.15	3.80	5.21	5.85	2.00	10.9	11.0	11.7	10.9	8.9	5.8	15.6
18	03-00	224	2.47	3.12	3.82	3.89	1.50	10.6	10.4	10.5	10.9	8.0	4.5	14.8
18	06-00	210	2.88	3.55	4.28	4.33	1.78	10.7	10.8	10.2	10.2	8.5	5.3	16.4
18	09-00	195	3.17	3.94	4.78	4.98	2.03	11.5	11.6	12.1	9.4	9.2	5.7	18.8
18	12-00	202	3.07	3.78	4.64	4.67	1.92	11.8	12.2	12.1	11.7	8.8	4.9	21.1
18	15-00	212	2.41	3.01	3.72	3.93	1.45	12.1	12.7	14.1	13.3	8.4	4.4	18.0
18	18-00	225	2.85	3.51	4.16	4.23	1.80	11.4	12.6	11.7	13.3	8.0	4.4	19.5
18	21-00	246	3.38	4.32	5.37	5.73	2.06	10.1	11.5	14.8	14.8	7.3	4.6	17.2
19	03-00	240	2.96	3.71	4.61	4.73	1.85	10.3	12.0	10.9	9.4	7.5	4.8	17.2
19	06-00	224	3.15	4.00	4.97	4.97	1.96	10.7	10.9	11.7	13.3	8.0	4.9	18.0
19	09-00	205	3.27	4.12	5.29	5.37	2.03	11.4	12.1	12.9	14.1	8.7	5.1	18.0
19	12-00	233	2.70	3.46	4.12	4.13	1.68	10.5	11.1	12.1	10.9	7.6	4.9	15.6
19	15-00	215	2.46	3.03	4.18	4.47	1.55	11.3	11.6	13.7	14.1	8.3	4.7	18.0
19	18-00	199	2.40	2.88	3.23	3.29	1.49	12.4	12.9	14.8	15.6	9.0	4.7	18.8
19	21-00	200	2.36	2.95	3.68	3.71	1.49	11.9	12.4	13.7	14.1	8.9	4.8	19.5
20	03-00	234	1.82	2.28	3.06	3.19	1.14	10.1	10.8	10.5	10.2	7.6	4.8	16.4
20	06-00	230	1.62	2.08	3.09	3.18	1.03	10.8	11.0	11.7	13.3	7.8	5.0	18.0
20	09-00	235	1.57	1.92	2.24	2.32	1.00	10.6	11.4	10.5	11.7	7.6	4.8	17.2
20	12-00	222	1.56	1.94	2.23	2.25	0.97	10.5	10.9	11.7	11.7	8.1	5.1	16.4
20	15-00	229	1.44	1.78	2.20	2.27	0.89	10.4	10.3	10.9	10.9	7.8	4.9	17.2
20	18-00	224	1.48	1.82	2.38	2.73	0.94	9.9	10.1	8.6	10.2	8.0	5.6	14.1
20	21-00	212	1.66	2.02	2.57	2.65	1.08	10.0	10.2	10.2	9.4	8.4	5.3	15.6
21	03-00	208	1.57	1.91	2.47	2.50	0.99	10.6	10.4	11.7	11.7	8.6	5.3	14.8
21	06-00	217	1.42	1.82	2.41	2.46	0.89	10.4	10.8	9.8	9.4	8.2	5.5	15.6
21	09-00	220	1.46	1.91	2.72	3.01	0.92	9.9	9.9	11.3	11.7	8.1	5.7	18.0
21	12-00	220	1.46	1.77	2.20	2.28	0.94	9.8	9.6	9.8	9.4	8.1	5.5	14.8
21	15-00	228	1.44	1.77	2.20	2.20	0.91	9.8	9.6	9.8	10.2	7.9	5.6	14.1
21	18-00	224	1.38	1.69	2.25	2.32	0.91	9.5	8.8	10.9	8.6	8.0	5.5	16.4
21	21-00	219	1.26	1.56	2.08	2.34	0.79	9.0	9.1	9.8	9.4	7.2	5.1	16.4

PARAMETROS CALCULADOS PELO METODO DIRECTO TERCEIRA NOV 2006

DIA	HORA	NA	HS (m)	H10 (m)	H100 (m)	HMAX (m)	HMED (m)	THS (s)	TH10 (s)	TH100 (s)	THMAX (s)	TZ (s)	TC (s)	TMAX (s)
22	00-00	229	1.30	1.67	2.20	2.30	0.81	10.0	10.3	9.8	8.6	7.8	5.1	16.4
22	03-00	212	1.33	1.66	1.99	2.05	0.85	10.4	10.8	9.0	7.8	8.4	5.7	17.2
22	06-00	233	1.40	1.75	2.33	2.44	0.88	10.2	10.9	9.0	9.4	7.7	4.7	16.4
22	09-00	220	1.38	1.70	2.34	2.48	0.86	10.9	11.4	12.1	11.7	8.1	4.5	18.0
22	12-00	245	1.48	1.89	2.28	2.32	0.91	10.2	11.1	12.5	12.5	7.3	4.2	15.6
22	15-00	262	1.46	1.86	2.49	2.62	0.87	9.7	9.9	12.8	10.9	6.8	3.9	15.6
22	18-00	270	1.53	1.87	2.35	2.56	0.97	8.9	10.3	12.0	11.7	6.6	4.1	17.2
22	21-00	293	1.55	1.91	2.33	2.52	0.97	8.1	8.6	9.4	7.8	6.1	3.8	15.6
23	00-00	267	1.88	2.34	3.05	3.41	1.23	8.8	8.8	8.9	9.4	6.7	4.2	15.6
23	03-00	271	1.75	2.20	2.63	2.75	1.06	9.6	10.5	10.2	8.6	6.6	3.8	15.6
23	06-00	250	1.74	2.12	2.49	2.60	1.09	10.2	10.7	10.7	7.8	7.2	4.1	15.6
23	09-00	229	2.25	2.74	3.42	3.50	1.41	10.3	10.7	10.9	10.9	7.8	5.0	17.2
23	12-00	221	2.32	2.83	3.69	3.71	1.44	10.5	10.4	10.5	10.9	8.1	4.8	14.8
23	15-00	197	3.05	3.85	4.93	4.96	1.88	11.4	12.1	12.5	11.7	9.1	5.2	16.4
23	21-00	200	3.48	4.43	5.78	6.00	2.16	11.4	11.3	11.7	10.9	8.9	5.3	15.6
24	00-00	219	3.44	4.31	6.05	6.39	2.12	10.6	10.8	9.8	10.2	8.2	4.6	16.4
24	03-00	228	4.21	5.15	6.16	6.19	2.59	10.6	10.7	10.5	9.4	7.8	5.1	14.8
24	05-13	194	5.06	5.97	7.15	7.22	3.19	11.8	11.4	10.9	10.9	9.3	5.5	15.6
24	05-44	202	4.64	5.75	6.99	7.35	2.84	11.5	11.9	11.3	12.5	8.8	5.5	16.4
24	06-35	203	5.21	6.68	9.40	9.42	3.06	11.5	12.1	11.7	11.7	8.8	5.9	16.4
24	07-06	190	5.00	5.94	7.10	7.22	3.14	12.0	11.6	11.3	11.7	9.4	5.9	18.0
24	07-36	185	5.11	6.42	8.23	8.38	3.29	12.4	12.7	10.9	9.4	9.7	5.9	16.4
24	08-07	185	4.85	5.97	7.22	7.66	3.09	12.2	12.7	13.3	14.1	9.6	6.0	17.2
24	08-58	186	5.06	6.20	8.40	9.97	3.18	12.1	13.2	12.1	12.5	9.6	5.6	17.2
24	09-29	201	4.93	6.10	7.67	8.02	2.96	11.8	12.0	12.9	14.1	8.9	5.1	18.0
24	10-11	191	5.41	6.75	9.02	10.60	3.33	12.2	12.0	12.5	12.5	9.3	5.5	18.0
24	10-41	200	5.15	6.43	8.06	8.06	3.06	12.2	12.2	12.5	13.3	8.9	5.4	18.0
24	11-12	175	5.30	6.38	7.76	8.24	3.48	12.0	12.6	12.5	10.2	10.2	5.4	19.5
24	12-00	208	4.58	5.71	6.95	7.42	2.69	11.7	11.7	10.9	11.7	8.6	5.0	16.4
24	12-41	211	4.39	5.90	8.02	8.26	2.65	11.5	11.5	10.9	10.9	8.5	5.0	17.2
24	13-22	192	4.85	5.75	7.03	7.04	3.06	12.2	12.4	11.3	10.9	9.3	5.2	18.0
24	14-04	207	4.42	5.49	7.33	7.43	2.79	11.8	11.9	8.6	8.6	8.6	5.3	17.2
24	15-00	196	4.58	6.13	8.48	8.96	2.92	12.1	12.7	10.9	11.7	9.1	5.0	17.2
24	15-51	188	4.73	5.94	6.99	7.07	2.98	12.5	13.3	12.9	14.1	9.5	5.0	17.2
24	17-36	191	4.91	6.25	7.78	8.00	3.13	12.3	12.8	12.9	11.7	9.4	5.3	19.5
24	20-39	195	4.66	5.77	7.47	7.48	2.95	12.2	12.2	11.3	10.9	9.2	5.4	19.5
24	21-31	202	4.56	5.57	6.43	6.57	2.87	11.4	11.4	9.8	10.2	8.8	4.9	18.0
24	22-22	194	5.13	6.40	7.52	7.72	3.27	12.3	13.0	9.8	11.7	9.2	5.6	17.2
24	22-53	195	4.71	5.70	7.89	8.52	2.96	11.9	12.1	12.9	13.3	9.1	5.3	18.8
25	01-08	197	4.64	5.91	7.69	7.92	2.84	12.1	13.1	12.1	10.9	9.1	5.3	18.0
25	02-40	197	4.70	5.96	6.99	7.06	2.91	12.0	12.7	13.7	13.3	9.1	5.4	17.2
25	03-32	205	4.67	5.95	7.07	7.12	2.78	12.0	12.5	13.3	11.7	8.7	5.3	21.1
25	05-36	196	4.46	5.31	6.47	6.64	2.82	12.2	12.6	12.1	10.9	9.1	5.1	20.3
25	09-00	178	4.21	5.17	5.98	6.31	2.65	12.8	12.5	11.7	14.1	10.0	5.2	18.8
25	15-00	175	3.91	5.05	6.72	6.85	2.50	13.1	13.1	12.9	12.5	10.2	5.9	18.0

DIA	HORA	NA	HS (m)	H10 (m)	H100 (m)	HMAX (m)	HMED (m)	THS (s)	TH10 (s)	TH100 (s)	THMAX (s)	TZ (s)	TC (s)	TMAX (s)
25	18-00	176	3.77	4.46	5.47	5.63	2.40	13.1	12.5	12.5	10.9	10.1	5.5	18.8
25	21-00	191	3.91	4.93	5.82	5.83	2.33	12.3	12.5	10.9	10.9	9.4	5.5	17.2
26	03-00	226	2.88	3.62	4.70	4.87	1.72	11.4	12.3	11.7	10.9	7.9	4.1	17.2
26	06-00	260	2.44	3.09	3.68	3.75	1.49	10.0	10.9	11.5	11.7	6.9	4.1	14.8
26	09-00	234	2.41	2.99	3.93	4.45	1.53	10.1	11.3	10.9	10.9	7.6	4.6	15.6
27	09-31	182	4.68	6.07	7.48	7.61	2.87	13.1	13.5	14.8	14.8	9.8	5.4	17.2
27	12-00	198	4.14	5.11	6.59	7.21	2.50	12.1	12.1	12.5	12.5	9.0	5.4	17.2
27	15-00	182	4.01	4.92	6.26	6.62	2.52	12.6	13.1	12.9	11.7	9.9	5.4	18.8
27	18-00	199	3.72	4.60	6.11	6.17	2.25	11.8	11.9	11.7	11.7	9.0	5.2	18.8
27	21-00	184	3.65	4.60	5.36	5.58	2.22	12.6	12.4	12.5	12.5	9.7	5.6	19.5
28	00-00	175	4.22	4.99	5.74	5.81	2.68	12.2	12.6	12.5	13.3	10.2	6.5	18.0
28	03-00	176	4.11	5.24	6.88	7.29	2.66	12.3	12.2	12.5	13.3	10.2	6.6	18.0
28	06-00	172	4.06	5.11	6.42	6.90	2.51	12.7	12.8	12.9	14.1	10.4	6.7	19.5
28	09-00	176	3.30	4.02	4.77	4.82	2.11	12.3	11.9	13.3	12.5	10.2	6.4	18.0
28	18-00	185	3.08	3.90	4.66	4.93	1.87	12.0	12.3	11.3	10.9	9.7	5.9	18.0
28	21-00	237	2.64	3.40	4.26	4.46	1.54	11.2	12.1	12.1	12.5	7.6	4.2	15.6
29	03-00	281	2.99	3.66	4.62	4.78	1.98	7.9	7.7	9.1	7.0	6.4	4.6	16.4
29	06-00	251	3.85	4.77	5.66	5.84	2.52	8.4	8.5	8.3	8.6	7.1	5.1	14.8
29	12-00	251	4.25	5.37	6.48	6.72	2.63	8.7	8.8	8.6	10.2	7.1	5.3	12.5
29	13-14	232	4.61	6.04	7.13	7.23	2.91	9.0	9.1	8.6	7.8	7.7	5.4	16.4
29	15-00	235	4.16	5.14	6.27	6.31	2.70	8.9	9.1	9.4	10.2	7.6	5.3	13.3
29	21-00	217	3.44	4.42	5.47	5.49	2.12	10.0	9.9	10.2	10.2	8.3	5.6	14.8
30	00-00	208	3.21	4.02	5.35	5.42	2.06	10.0	10.2	9.4	9.4	8.6	6.2	14.1
30	03-00	216	3.16	3.90	4.93	5.28	2.02	9.8	10.3	10.5	10.2	8.3	5.6	16.4
30	06-00	224	2.86	3.47	4.41	4.49	1.88	9.7	10.5	10.9	12.5	8.0	5.3	14.8
30	09-00	227	2.87	3.53	4.35	4.56	1.80	10.2	10.0	9.8	9.4	7.9	5.1	14.1
30	12-00	231	2.96	3.73	5.43	6.17	1.83	9.7	10.4	9.4	10.2	7.7	5.1	14.1
30	15-00	242	2.80	3.56	5.47	6.04	1.73	9.2	9.6	9.0	9.4	7.4	5.2	15.6
30	18-00	230	2.77	3.59	4.34	4.39	1.70	9.7	9.6	9.0	9.4	7.8	5.4	14.8
30	21-00	228	2.49	3.18	4.24	4.76	1.58	9.5	9.5	9.0	9.4	7.9	5.6	14.1

PARAMETROS CALCULADOS PELO METODO DIRECTO TERCEIRA DEZ 2006

DIA	HORA	NA	HS (m)	H10 (m)	H100 (m)	HMAX (m)	HMED (m)	THS (s)	TH10 (s)	TH100 (s)	THMAX (s)	TZ (s)	TC (s)	TMAX (s)
01	03-00	213	3.00	3.80	4.70	4.85	1.87	10.6	10.5	11.3	10.2	8.4	5.0	14.8
01	06-00	191	3.90	4.87	6.01	6.12	2.49	11.7	11.6	10.2	10.2	9.4	5.6	15.6
01	09-00	219	3.25	4.18	5.68	5.92	1.96	11.3	11.8	11.3	10.9	8.2	5.2	18.8
01	12-00	212	3.04	3.88	4.57	4.65	1.84	12.0	12.7	11.7	13.3	8.4	4.5	17.2
01	15-00	204	2.91	3.82	4.80	5.10	1.74	11.6	12.6	12.5	14.1	8.7	5.1	17.2
01	18-00	198	3.03	3.85	5.05	5.19	1.83	12.3	12.4	11.7	12.5	9.0	5.2	17.2
01	21-00	197	2.92	3.66	4.37	4.44	1.77	12.2	12.5	13.3	14.1	9.1	5.4	20.3
02	03-00	203	2.68	3.35	4.17	4.22	1.71	11.1	11.8	11.3	10.2	8.8	5.7	16.4
02	06-00	203	2.63	3.23	4.11	4.53	1.64	11.3	11.3	10.9	10.9	8.8	5.4	16.4
02	12-00	181	2.71	3.32	3.96	4.01	1.64	13.2	13.9	13.7	14.1	9.8	5.5	18.8
02	15-00	177	2.98	3.79	4.92	4.98	1.86	13.1	13.2	14.8	14.1	10.1	5.6	17.2
02	18-00	185	2.88	3.56	4.11	4.15	1.79	12.2	12.0	12.1	11.7	9.6	5.5	18.8
02	21-00	194	3.29	4.04	4.85	4.93	2.14	11.6	11.9	11.7	9.4	9.2	5.7	15.6
03	00-00	199	2.85	3.46	3.92	3.96	1.85	11.1	11.1	10.9	10.9	9.0	5.8	17.2
03	03-00	197	2.92	3.59	4.74	5.05	1.84	11.5	11.4	12.1	12.5	9.1	6.0	17.2
03	06-00	196	3.01	3.70	4.41	4.65	1.85	11.6	11.3	10.5	11.7	9.1	5.9	16.4
03	09-00	191	2.96	3.71	5.27	6.20	1.87	11.4	11.7	11.3	10.2	9.3	6.0	15.6
03	12-00	173	3.29	4.12	4.94	5.08	2.16	12.0	11.9	12.1	11.7	10.4	5.4	18.0
03	15-00	189	2.83	3.48	4.03	4.13	1.83	11.7	11.7	10.5	11.7	9.4	5.4	16.4
03	18-00	198	3.01	3.67	4.31	4.73	1.89	11.2	11.1	10.9	11.7	9.0	5.8	17.2
04	00-00	196	2.70	3.38	4.45	4.55	1.63	12.2	12.3	12.1	11.7	9.2	4.7	16.4
04	03-00	228	2.23	2.88	3.44	3.48	1.35	11.0	11.8	13.3	13.3	7.9	4.5	17.2
04	06-00	199	2.55	2.99	3.63	3.77	1.68	12.0	12.2	12.9	14.8	8.9	4.8	15.6
04	12-00	231	2.58	3.34	4.73	4.85	1.51	11.3	11.8	14.1	15.6	7.7	4.0	15.6
04	15-00	236	2.30	2.89	3.93	4.17	1.40	10.8	11.6	13.3	13.3	7.6	4.5	14.8
04	18-00	239	2.23	2.83	3.62	3.69	1.35	10.6	11.5	10.9	10.9	7.5	4.4	15.6
04	21-00	232	2.65	3.26	4.50	5.09	1.59	11.2	12.1	10.9	10.9	7.7	4.3	16.4
05	03-00	227	3.09	3.93	4.90	5.25	1.91	10.5	11.2	10.5	13.3	7.8	4.7	14.8
05	06-00	218	3.51	4.27	5.22	5.30	2.14	11.2	11.5	13.7	13.3	8.2	4.9	17.2
05	09-00	205	3.84	4.76	6.99	7.09	2.42	11.4	12.1	10.5	10.9	8.7	5.3	17.2
05	15-00	205	3.13	3.69	4.51	4.54	1.97	11.2	11.6	11.7	11.7	8.7	5.9	16.4
05	21-00	202	2.79	3.48	4.52	4.74	1.73	11.3	11.2	10.9	11.7	8.8	5.2	17.2
06	00-00	204	2.93	3.73	5.20	5.41	1.77	11.3	11.6	11.7	10.9	8.7	4.7	17.2
06	03-00	183	2.71	3.38	4.31	4.52	1.74	12.0	11.7	11.7	11.7	9.8	5.2	16.4
06	06-00	208	2.26	2.82	3.88	4.10	1.36	11.6	11.9	12.5	11.7	8.6	5.0	16.4
06	09-00	242	2.05	2.51	3.27	3.35	1.26	10.5	11.7	11.7	10.9	7.4	4.4	14.8
06	18-00	261	1.68	2.10	2.52	2.59	1.01	9.9	10.9	11.2	10.9	6.9	4.5	13.3
06	21-00	274	1.65	2.02	2.45	2.59	1.05	8.8	9.1	8.3	8.6	6.5	4.2	15.6
07	00-00	280	1.90	2.40	3.22	3.79	1.14	9.6	10.3	10.2	10.9	6.4	3.6	14.8
07	03-00	287	1.89	2.43	2.93	3.00	1.13	9.6	11.2	11.2	8.6	6.2	3.7	15.6
07	06-00	248	1.93	2.43	3.10	3.43	1.16	10.4	12.1	13.7	13.3	7.2	4.1	17.2
07	09-00	241	2.01	2.61	3.30	3.30	1.21	11.2	12.9	13.7	12.5	7.4	4.0	17.2
07	12-00	270	2.28	2.91	3.72	4.01	1.46	9.0	9.7	9.6	9.4	6.6	4.2	15.6
07	15-00	263	2.70	3.37	4.36	4.50	1.72	8.9	9.8	9.9	7.8	6.8	4.4	14.8
07	18-00	248	2.88	3.58	4.76	4.93	1.75	9.6	10.1	10.9	10.2	7.2	4.6	14.1

DIA	HORA	NA	HS (m)	H10 (m)	H100 (m)	HMAX (m)	HMED (m)	THS (s)	TH10 (s)	TH100 (s)	THMAX (s)	TZ (s)	TC (s)	TMAX (s)
07	21-00	236	3.35	4.07	4.98	5.05	2.03	10.3	10.3	10.9	10.9	7.6	5.0	14.8
08	03-00	224	3.06	3.83	4.90	4.98	1.90	10.9	11.2	11.7	11.7	8.0	4.8	16.4
08	06-00	220	3.16	3.93	5.37	5.88	2.02	10.3	11.0	10.9	10.2	8.1	5.0	15.6
08	09-00	226	3.07	3.89	5.02	5.14	1.87	10.2	10.3	11.7	12.5	7.9	5.0	14.8
08	15-00	232	2.68	3.36	4.02	4.05	1.67	10.2	10.5	9.4	9.4	7.7	4.8	14.8
08	18-00	225	2.62	3.28	4.06	4.24	1.62	10.6	11.1	11.3	11.7	8.0	5.0	14.8
09	03-00	192	2.95	3.57	4.44	4.76	1.88	11.5	11.6	10.9	10.9	9.3	5.9	15.6
09	09-00	191	3.12	4.00	5.03	5.15	1.93	11.6	11.6	10.9	11.7	9.3	6.2	15.6
09	12-00	186	3.04	3.76	4.94	5.45	1.90	11.8	12.0	12.9	11.7	9.6	6.2	16.4
09	15-00	193	2.86	3.52	4.56	4.57	1.75	12.0	11.6	10.9	10.2	9.3	5.0	16.4
09	18-00	200	2.54	3.22	3.92	3.96	1.55	11.3	11.6	11.3	10.2	9.0	5.1	18.8
09	21-00	211	2.16	2.70	3.55	3.81	1.32	11.0	10.6	10.5	10.2	8.5	5.3	15.6
10	03-00	245	1.78	2.19	3.12	3.26	1.07	10.5	10.9	11.3	11.7	7.3	3.8	15.6
10	06-00	275	1.43	1.87	2.34	2.44	0.82	9.8	10.5	9.9	9.4	6.5	3.6	14.8
10	15-00	379	1.07	1.33	1.62	1.69	0.68	6.7	8.0	10.4	10.2	4.7	3.3	12.5
10	18-00	345	1.00	1.23	1.55	1.57	0.62	7.3	8.6	9.1	10.2	5.2	3.4	13.3
10	21-00	334	0.88	1.09	1.38	1.40	0.54	7.3	7.9	9.1	7.0	5.4	3.8	12.5
11	00-00	325	0.79	1.00	1.26	1.37	0.50	7.5	8.6	9.1	7.8	5.5	3.6	13.3
11	03-00	349	0.88	1.09	1.45	1.59	0.56	7.2	8.6	9.4	9.4	5.1	3.3	14.1
11	06-00	354	0.89	1.10	1.37	1.52	0.57	7.1	8.5	8.6	10.2	5.1	3.3	14.1
11	15-00	314	1.07	1.36	1.86	1.94	0.66	8.0	9.8	9.9	10.9	5.7	3.6	14.1
12	00-00	178	2.08	2.52	2.86	2.90	1.30	12.2	12.3	12.1	11.7	10.0	5.7	18.8
12	03-00	189	2.15	2.61	3.28	3.39	1.34	12.0	11.7	11.3	11.7	9.4	6.1	17.2
12	12-00	184	2.33	2.93	4.09	4.62	1.39	13.3	13.5	13.3	13.3	9.7	4.9	20.3
12	15-00	214	2.21	2.80	3.46	3.61	1.35	12.9	14.0	13.3	13.3	8.4	4.1	21.1
12	18-00	218	2.25	2.80	4.25	4.93	1.34	12.8	13.6	12.9	13.3	8.2	3.9	18.8
12	21-00	226	2.27	2.96	3.95	4.00	1.33	12.4	14.0	15.2	14.8	7.9	3.9	18.0
13	00-00	233	2.36	3.06	3.80	3.93	1.39	11.9	13.5	14.5	14.1	7.6	4.3	18.8
13	03-00	272	2.03	2.59	3.22	3.38	1.24	10.1	13.4	13.3	13.3	6.6	3.7	18.0
13	06-00	246	1.99	2.54	3.33	3.45	1.21	11.1	12.9	13.3	12.5	7.3	3.8	18.8
13	09-00	283	1.65	2.01	2.61	3.02	1.06	9.0	10.8	10.2	13.3	6.3	3.8	16.4
13	12-00	289	1.72	2.13	2.59	2.74	1.15	7.8	9.2	7.8	7.0	6.2	4.1	15.6
13	15-00	308	1.82	2.21	2.92	3.45	1.18	6.9	7.2	6.8	5.5	5.8	4.1	14.8
13	18-00	320	1.78	2.26	2.96	3.04	1.12	7.5	7.4	6.5	7.0	5.6	4.1	15.6
13	21-00	301	1.79	2.23	3.07	3.14	1.14	7.8	7.8	7.3	7.8	6.0	4.0	16.4
14	03-00	307	1.97	2.41	2.90	3.03	1.26	7.7	9.3	10.4	12.5	5.8	4.0	14.1
14	06-00	283	1.99	2.46	2.88	2.96	1.27	8.5	9.7	12.0	13.3	6.3	4.1	17.2
14	09-00	255	1.98	2.42	3.12	3.51	1.27	9.3	9.9	9.1	10.2	7.0	4.3	14.8
14	12-00	278	2.05	2.58	3.42	3.47	1.28	9.4	9.7	10.9	11.7	6.5	4.0	14.8
14	15-00	233	2.07	2.52	3.16	3.41	1.29	10.4	11.0	9.0	9.4	7.7	4.6	15.6
14	18-00	236	2.02	2.53	3.32	3.39	1.25	9.7	9.9	8.6	8.6	7.6	4.9	14.1
14	21-00	244	2.13	2.67	3.94	4.50	1.31	9.9	10.0	9.0	9.4	7.4	4.4	14.8
15	03-00	272	3.17	4.08	5.17	5.53	2.00	8.2	8.8	9.1	9.4	6.6	4.6	15.6
15	06-00	259	3.09	3.87	4.54	4.61	1.99	8.6	9.0	7.8	7.0	6.9	4.8	14.1
15	09-00	269	3.18	4.03	4.82	4.86	2.01	8.4	8.6	8.6	9.4	6.7	4.8	14.1

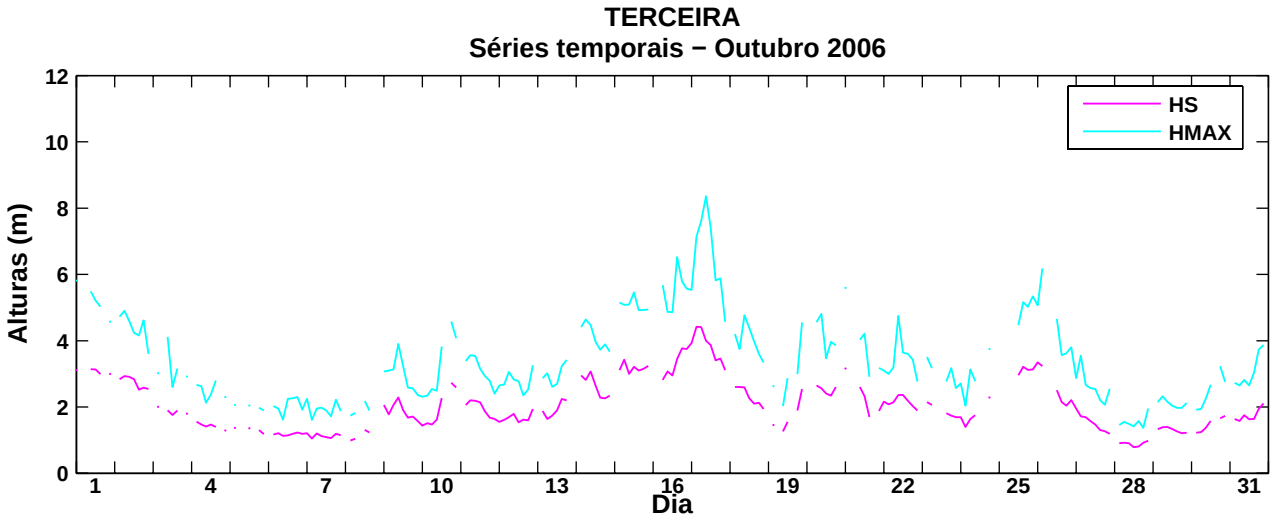
DIA	HORA	NA	HS (m)	H10 (m)	H100 (m)	HMAX (m)	HMED (m)	THS (s)	TH10 (s)	TH100 (s)	THMAX (s)	TZ (s)	TC (s)	TMAX (s)
15	12-00	264	3.38	4.37	5.66	6.42	2.13	8.3	8.0	8.1	8.6	6.8	4.8	15.6
15	15-00	275	3.32	4.08	4.83	5.06	2.10	8.1	8.7	8.6	9.4	6.5	4.8	14.1
15	18-00	279	3.19	4.06	5.43	6.57	1.98	8.2	8.1	7.6	7.8	6.4	4.7	15.6
15	21-00	260	3.35	4.30	5.45	5.85	2.13	8.5	8.7	7.6	7.8	6.9	4.7	14.8
16	03-00	257	3.66	4.71	6.68	6.99	2.38	8.1	8.2	8.6	9.4	7.0	4.8	17.2
16	06-00	254	4.06	5.12	6.75	7.48	2.58	8.3	8.3	8.9	8.6	7.1	5.2	13.3
16	09-00	249	4.16	5.21	6.31	6.43	2.62	8.7	8.7	7.4	7.0	7.2	5.0	14.1
16	18-00	247	4.00	4.99	6.10	6.43	2.47	8.9	8.8	7.8	7.8	7.2	5.1	13.3
16	21-00	252	3.87	4.78	5.75	6.05	2.40	8.8	8.5	8.3	8.6	7.1	5.1	12.5
17	00-00	271	3.52	4.42	5.30	5.66	2.20	8.2	8.7	8.6	8.6	6.6	5.0	11.7
17	03-00	251	3.56	4.58	6.03	6.89	2.31	8.5	8.3	9.1	8.6	7.1	5.1	12.5
17	06-00	273	3.11	3.86	4.81	5.10	1.97	8.2	8.2	7.6	8.6	6.6	4.8	12.5
17	09-00	254	3.54	4.43	5.69	5.86	2.25	8.6	8.3	8.3	7.8	7.1	5.2	12.5
17	15-00	253	3.52	4.22	5.15	5.46	2.27	8.7	8.3	7.8	7.8	7.1	5.2	13.3
17	18-00	259	3.32	4.16	5.18	5.50	2.08	8.6	8.7	8.9	7.8	6.9	4.9	12.5
17	21-00	260	3.01	3.75	4.75	5.00	1.87	8.4	8.5	9.4	8.6	6.9	5.0	12.5
18	03-00	269	2.59	3.28	4.18	4.30	1.66	8.0	8.0	7.8	7.8	6.7	4.6	11.7
18	09-00	282	2.66	3.27	4.21	4.88	1.71	7.8	8.1	9.1	9.4	6.3	4.6	11.7
18	12-00	275	2.83	3.43	4.03	4.14	1.84	7.9	8.2	8.1	8.6	6.5	4.7	11.7
18	15-00	281	2.96	3.66	4.32	4.62	1.88	7.7	7.9	7.0	8.6	6.4	4.8	12.5
18	18-00	271	3.00	3.75	4.84	5.59	1.94	7.6	7.6	7.8	7.8	6.6	4.7	12.5
18	21-00	289	2.90	3.61	4.74	5.64	1.82	7.7	8.1	7.6	7.0	6.2	4.7	13.3
19	03-00	269	2.19	2.69	3.47	4.18	1.45	7.7	7.8	7.8	7.8	6.6	4.9	10.9
19	09-00	285	1.97	2.44	2.96	3.16	1.23	7.6	7.5	6.5	7.0	6.3	4.6	10.9
19	12-00	273	1.91	2.35	2.64	2.69	1.22	7.8	7.5	8.1	8.6	6.5	4.8	10.9
19	15-00	266	1.73	2.07	2.74	2.78	1.14	7.7	7.6	7.3	6.2	6.7	5.3	11.7
19	21-00	278	1.58	1.97	2.40	2.44	1.02	7.9	7.8	7.0	6.2	6.4	4.8	11.7
20	03-00	266	1.37	1.71	2.07	2.35	0.88	7.6	7.3	7.0	7.8	6.7	5.4	12.5
20	06-00	272	1.31	1.67	2.17	2.42	0.85	7.5	7.5	7.0	7.0	6.6	5.2	12.5
20	09-00	287	1.21	1.54	2.02	2.32	0.77	8.0	7.6	8.3	7.8	6.2	4.7	14.1
20	15-00	261	1.11	1.36	1.64	1.69	0.72	8.1	8.0	7.8	8.6	6.9	5.0	13.3
20	18-00	274	1.08	1.34	1.75	1.92	0.70	7.8	7.8	7.0	8.6	6.5	5.1	14.1
21	03-00	292	0.96	1.21	1.46	1.47	0.61	7.4	7.9	7.8	7.0	6.1	4.2	14.1
21	06-00	286	1.01	1.25	1.64	1.92	0.63	7.5	7.1	6.2	6.2	6.3	4.6	14.1
21	12-00	320	1.03	1.33	1.75	1.95	0.63	7.6	8.4	7.3	7.0	5.6	3.7	12.5
21	15-00	338	1.04	1.28	1.69	1.82	0.66	7.1	7.2	7.0	7.0	5.3	3.6	10.9
21	18-00	350	1.26	1.59	2.00	2.06	0.83	6.0	6.0	5.5	5.5	5.1	4.0	10.2
22	00-00	360	1.65	2.07	2.77	2.82	1.05	6.1	6.3	5.9	5.5	5.0	3.8	11.7
22	03-00	332	1.92	2.40	3.06	3.51	1.25	6.4	6.4	6.0	6.2	5.4	4.2	9.4
22	06-00	309	2.18	2.69	3.47	4.05	1.36	6.8	6.7	6.5	6.2	5.8	4.3	10.9
22	09-00	321	2.28	2.85	3.82	4.03	1.42	6.8	6.8	6.8	7.0	5.6	4.5	11.7
22	12-00	331	1.96	2.49	3.54	3.89	1.23	6.7	6.9	7.0	7.0	5.4	4.0	12.5
22	15-00	307	2.08	2.57	3.06	3.10	1.34	7.0	7.1	7.3	7.0	5.8	4.3	10.9
22	18-00	295	1.86	2.30	3.08	3.56	1.25	7.1	7.2	6.8	7.0	6.1	4.7	10.9
23	00-00	281	1.70	2.09	2.66	2.71	1.13	7.8	7.6	7.3	6.2	6.4	4.3	15.6

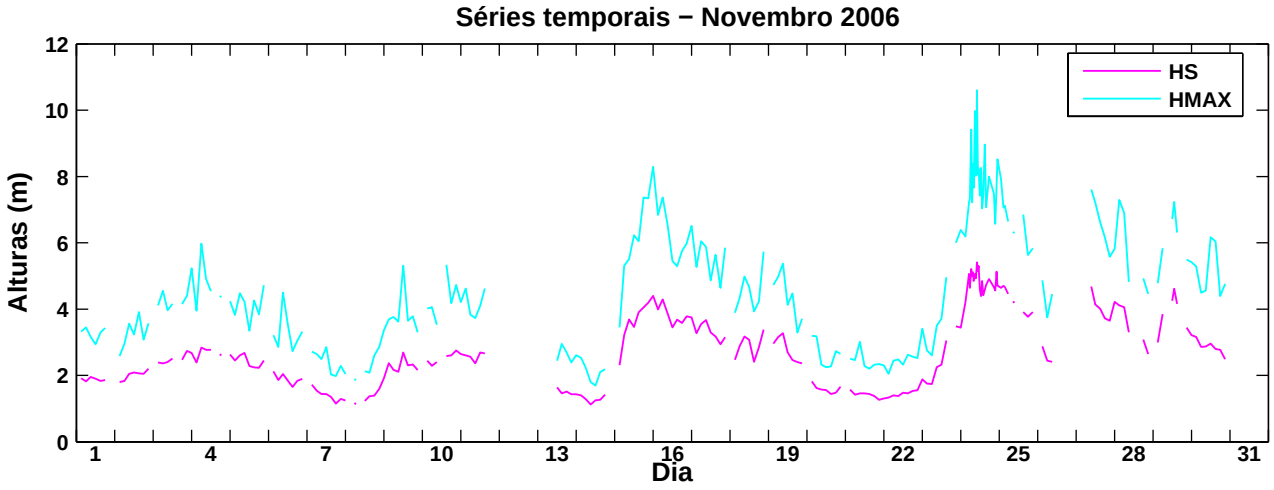
DIA	HORA	NA	HS (m)	H10 (m)	H100 (m)	HMAX (m)	HMED (m)	THS (s)	TH10 (s)	TH100 (s)	THMAX (s)	TZ (s)	TC (s)	TMAX (s)
23	03-00	282	1.64	1.98	2.38	2.46	1.06	7.8	7.9	7.3	6.2	6.4	4.6	14.1
23	06-00	262	1.92	2.35	3.03	3.47	1.22	8.4	8.5	7.6	7.8	6.9	4.9	15.6
23	09-00	263	2.01	2.55	3.23	3.43	1.28	8.6	8.1	8.3	9.4	6.8	4.9	16.4
23	12-00	263	2.02	2.51	3.04	3.21	1.28	8.8	9.2	10.4	12.5	6.8	4.3	14.8
23	15-00	258	1.82	2.27	2.93	2.96	1.13	9.4	10.3	10.2	10.9	6.9	4.2	14.8
23	21-00	279	1.77	2.19	2.81	2.95	1.14	8.0	7.8	8.6	8.6	6.4	4.7	14.1
24	03-00	266	1.61	2.02	2.57	2.70	1.05	7.8	8.1	7.6	7.0	6.7	4.8	12.5
24	06-00	268	1.95	2.44	2.98	3.08	1.24	7.8	7.8	8.3	7.8	6.7	5.5	11.7
24	09-00	289	1.93	2.41	2.92	2.96	1.22	7.7	8.1	7.6	7.8	6.2	4.3	10.9
24	15-00	317	1.66	2.04	2.48	2.71	1.03	7.8	8.0	8.9	8.6	5.7	4.0	12.5
24	18-00	321	1.34	1.68	2.08	2.14	0.84	7.6	8.2	8.1	8.6	5.6	3.8	14.8
24	21-00	287	1.46	1.85	2.40	2.94	0.90	8.3	8.1	8.6	8.6	6.2	4.1	14.1
25	03-00	300	1.75	2.18	2.71	2.75	1.10	7.9	8.4	7.3	7.8	6.0	4.1	14.8
25	06-00	287	1.94	2.45	3.17	3.54	1.22	8.8	9.6	9.6	10.2	6.2	3.9	14.8
25	12-00	229	2.10	2.62	3.66	3.75	1.33	10.9	11.4	10.5	10.2	7.8	4.7	17.2
25	18-00	217	2.13	2.60	3.18	3.30	1.29	11.2	11.8	11.7	11.7	8.2	5.2	14.8
25	21-00	214	1.83	2.24	2.84	2.98	1.14	11.3	12.0	12.1	11.7	8.3	5.3	16.4
26	03-00	241	1.64	2.05	2.67	2.79	1.01	10.4	10.6	9.8	9.4	7.4	4.0	14.8
26	06-00	252	1.62	2.13	2.76	2.93	0.96	9.9	10.9	11.5	11.7	7.1	3.8	15.6
26	09-00	300	1.39	1.86	2.60	2.69	0.83	8.9	10.2	10.7	7.8	6.0	3.8	14.8
26	12-00	343	1.64	2.02	2.50	2.70	1.05	6.8	7.4	7.3	5.5	5.2	3.9	13.3
26	15-00	327	2.17	2.67	3.50	3.55	1.43	6.3	6.0	6.0	5.5	5.5	4.2	13.3
26	18-00	300	2.47	3.08	3.70	3.83	1.60	7.0	7.4	7.3	6.2	6.0	4.5	10.9
26	21-00	265	2.86	3.56	4.68	4.80	1.80	8.0	8.0	8.1	7.8	6.7	4.8	12.5
27	03-00	264	2.31	3.01	4.25	4.29	1.48	8.1	8.6	8.9	8.6	6.8	4.8	12.5
27	06-00	280	1.76	2.20	2.73	3.02	1.11	8.1	8.0	8.3	8.6	6.4	4.5	13.3
27	12-00	294	1.77	2.27	2.94	3.20	1.14	7.4	7.7	8.3	8.6	6.1	4.4	12.5
27	15-00	313	1.90	2.34	3.04	3.66	1.18	7.1	6.9	6.8	6.2	5.7	4.3	11.7
27	18-00	283	1.76	2.17	2.63	2.69	1.12	7.9	8.2	7.8	7.0	6.1	4.3	12.5
27	21-00	278	1.58	1.98	2.53	2.74	1.00	8.6	9.1	9.4	9.4	6.4	4.4	14.8
28	00-00	258	1.67	1.99	2.45	2.87	1.06	8.7	9.1	9.1	9.4	6.9	4.6	15.6
28	03-00	256	1.70	2.13	2.65	2.68	1.08	8.6	8.7	8.9	9.4	7.0	4.9	14.1
28	09-00	266	1.68	2.06	2.52	2.73	1.07	8.8	9.5	9.1	9.4	6.7	4.1	14.1
28	12-00	296	1.62	1.95	2.43	2.58	1.03	8.3	9.2	9.1	8.6	6.0	4.1	13.3
28	15-00	283	1.62	2.00	2.69	2.85	1.00	8.6	9.6	8.9	7.8	6.3	4.1	14.1
28	18-00	260	1.86	2.39	3.05	3.30	1.14	9.3	9.6	9.6	9.4	6.9	4.4	14.1
28	21-00	263	1.67	2.11	2.81	3.21	1.05	9.4	9.9	9.1	8.6	6.8	4.5	13.3
29	03-00	297	1.96	2.48	3.03	3.05	1.23	8.5	9.8	10.7	10.9	6.0	3.9	14.1
29	06-00	294	1.98	2.50	3.20	3.40	1.21	8.9	10.4	11.5	11.7	6.1	3.7	13.3
29	09-00	306	2.07	2.68	3.39	3.76	1.31	8.2	9.6	9.1	10.2	5.8	3.8	14.1
29	12-00	254	2.17	2.66	3.19	3.29	1.38	9.3	9.4	8.9	7.8	7.0	4.6	14.1
29	18-00	270	1.89	2.30	2.99	3.42	1.21	9.3	10.2	11.2	11.7	6.6	4.2	16.4
30	06-00	221	2.45	3.01	3.58	3.61	1.54	10.0	10.3	10.5	10.2	8.1	5.6	14.8
30	09-00	224	2.45	2.95	3.43	3.44	1.61	10.3	10.1	10.2	10.9	8.0	5.3	14.8
30	12-00	224	1.98	2.54	3.40	3.56	1.25	10.4	10.8	9.8	8.6	8.0	5.0	15.6

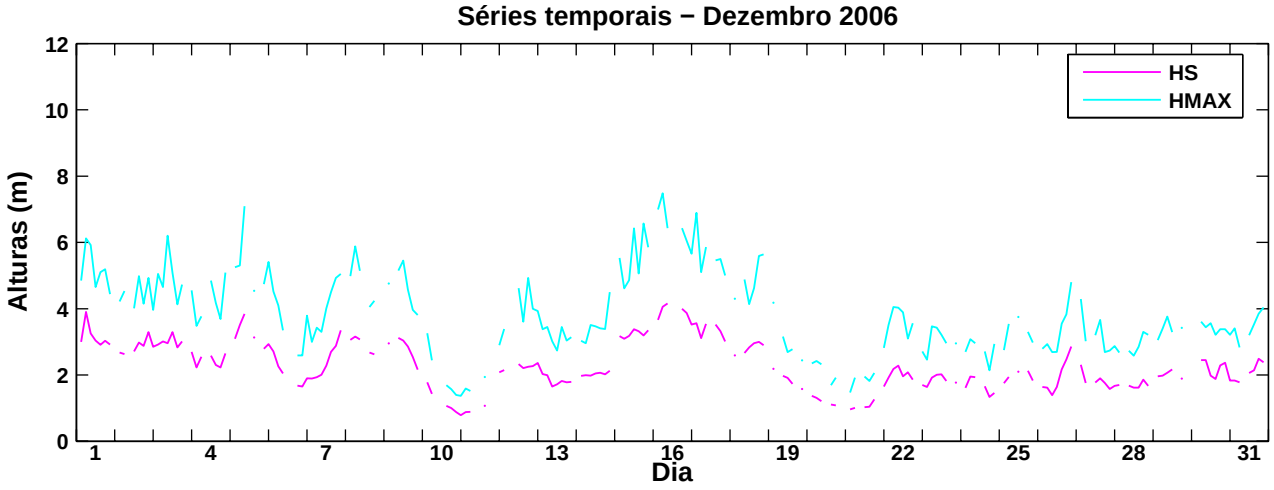
DIA	HORA	NA	HS (m)	H10 (m)	H100 (m)	HMAX (m)	HMED (m)	THS (s)	TH10 (s)	TH100 (s)	THMAX (s)	TZ (s)	TC (s)	TMAX (s)
30	15-00	240	1.88	2.29	3.17	3.21	1.16	10.3	10.8	9.8	8.6	7.5	4.6	14.8
30	18-00	216	2.29	2.90	3.36	3.38	1.40	11.5	11.9	12.5	11.7	8.3	4.9	15.6
30	21-00	275	2.37	2.92	3.33	3.38	1.43	9.7	10.7	9.9	11.7	6.5	4.1	14.8
31	00-00	245	1.83	2.26	3.14	3.21	1.21	9.9	9.7	9.8	8.6	7.3	4.4	16.4
31	03-00	235	1.83	2.33	3.10	3.41	1.11	10.9	11.9	12.1	10.9	7.6	4.5	15.6
31	06-00	265	1.78	2.24	2.68	2.83	1.07	10.2	11.3	11.7	10.9	6.7	4.2	17.2
31	12-00	212	2.06	2.58	3.07	3.20	1.24	11.4	11.3	13.7	13.3	8.4	5.2	16.4
31	15-00	210	2.14	2.72	3.52	3.53	1.33	11.2	11.8	10.5	10.9	8.5	5.5	18.0
31	18-00	201	2.49	3.12	3.74	3.85	1.55	12.0	12.1	12.1	11.7	8.9	5.1	17.2
31	21-00	196	2.38	2.99	3.78	4.04	1.55	11.2	11.4	10.2	10.9	9.1	5.9	16.4

ANEXO B

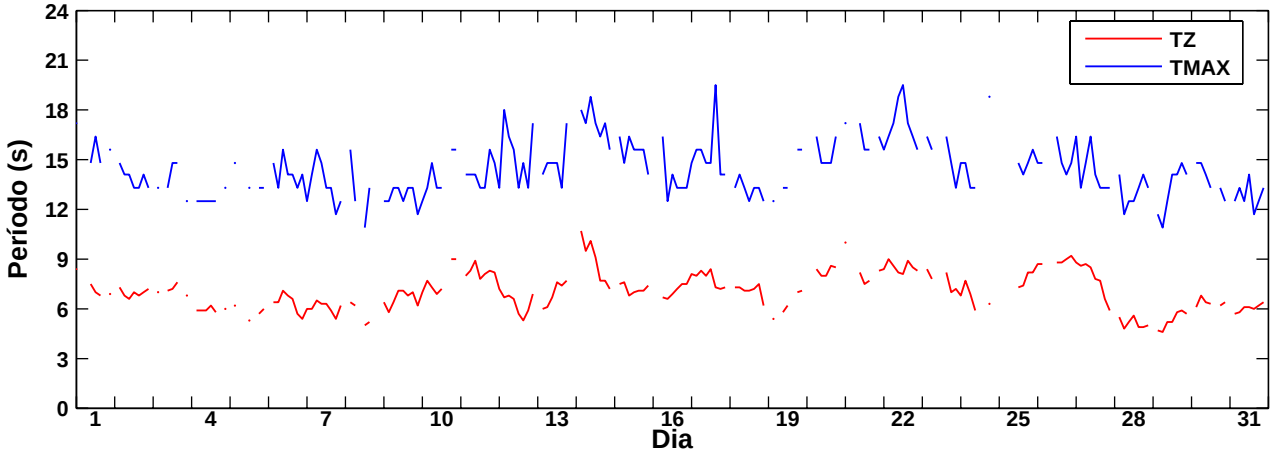
Gráficos temporais de HS, HMAX, TZ, TMAX, THS e THMAX


TERCEIRA
Séries temporais − Outubro 2006
HS
HMAX
Alturas (m)
Dia
0
2
4
6
8
10
12
1
4
7
10
13
16
19
22
25
28
31

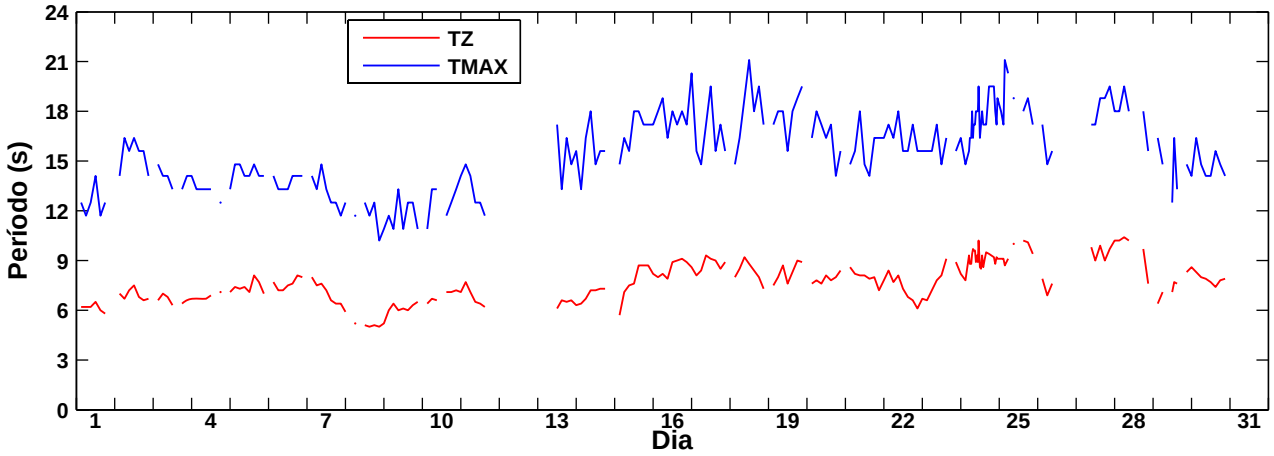

Séries temporais − Novembro 2006
HS
HMAX
Alturas (m)
Dia
0
2
4
6
8
10
12
1
4
7
10
13
16
19
22
25
28
31


Séries temporais − Dezembro 2006
HS
HMAX
Alturas (m)
Dia
0
2
4
6
8
10
12
1
4
7
10
13
16
19
22
25
28
31

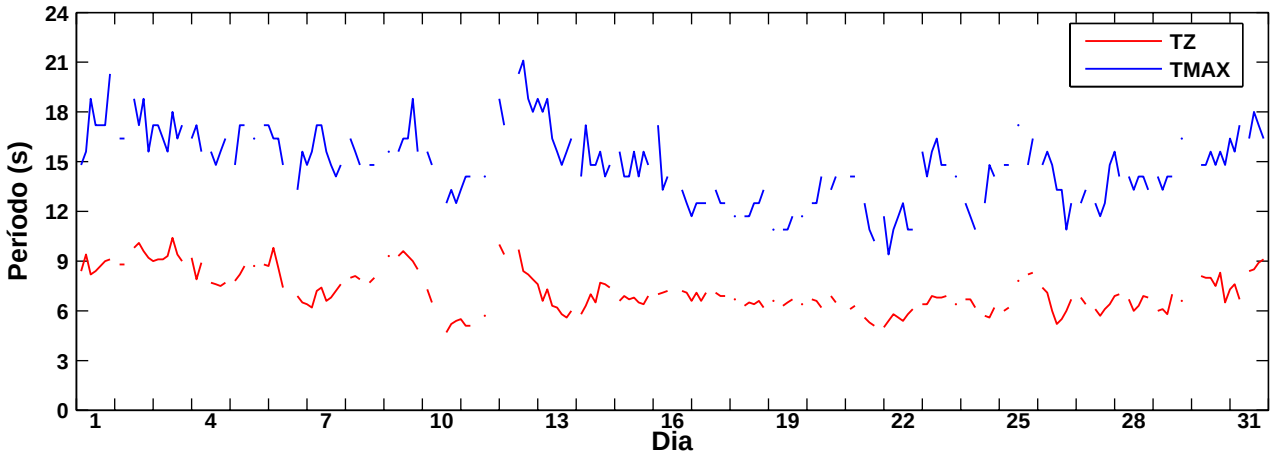
TERCEIRA
Séries temporais − Outubro 2006



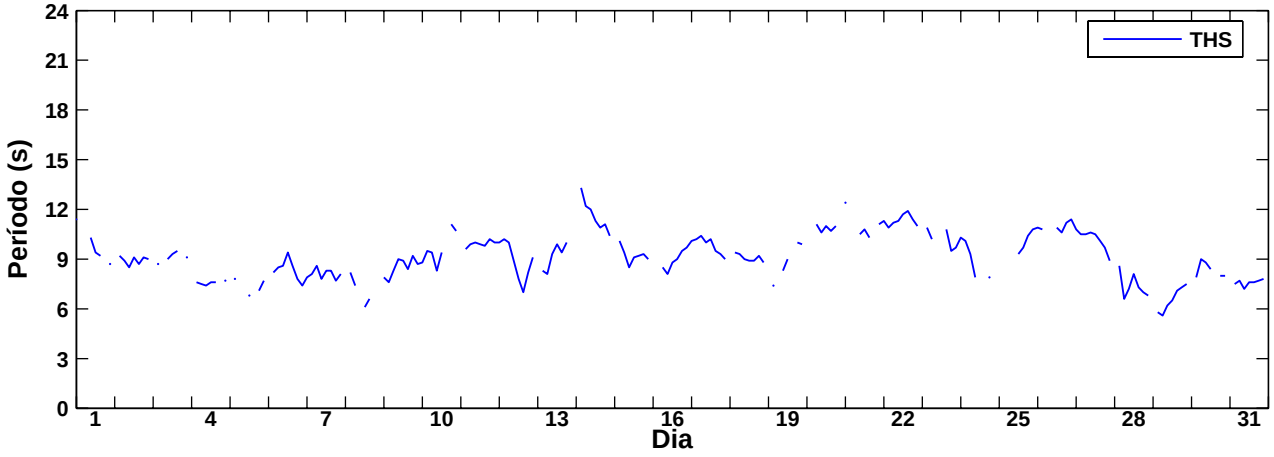
Séries temporais − Novembro 2006



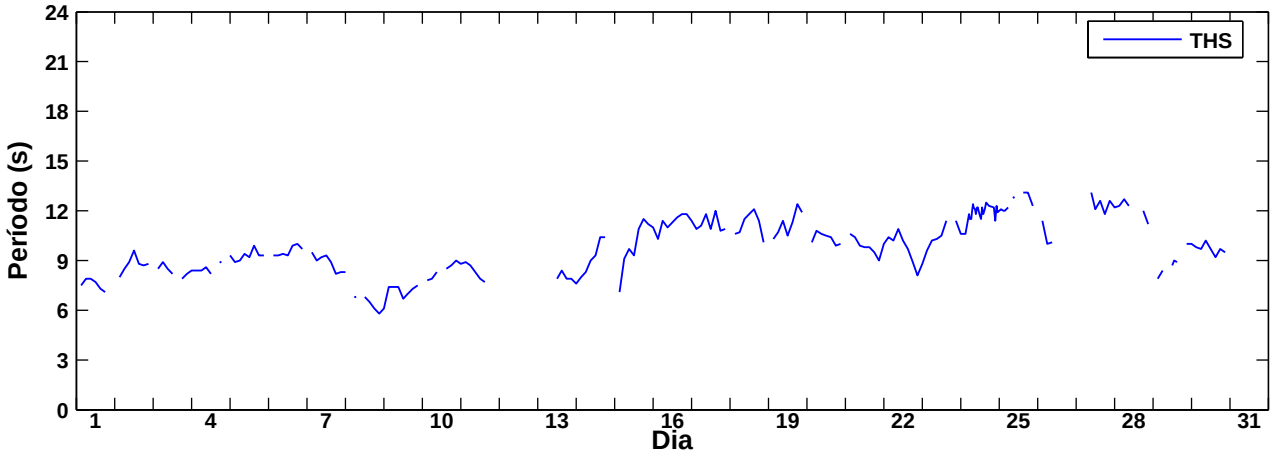
Séries temporais − Dezembro 2006



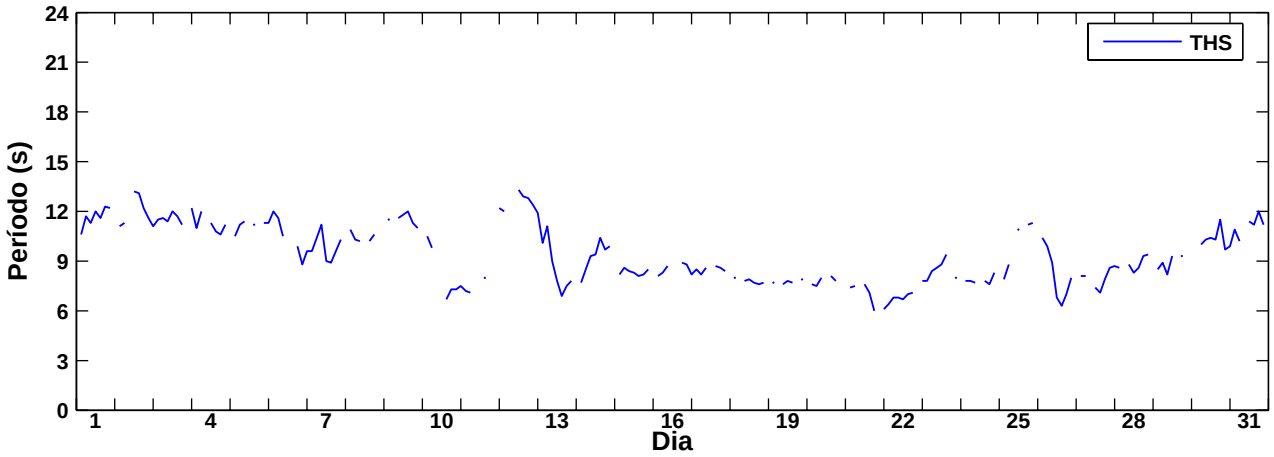
TERCEIRA
Série temporal − Outubro 2006



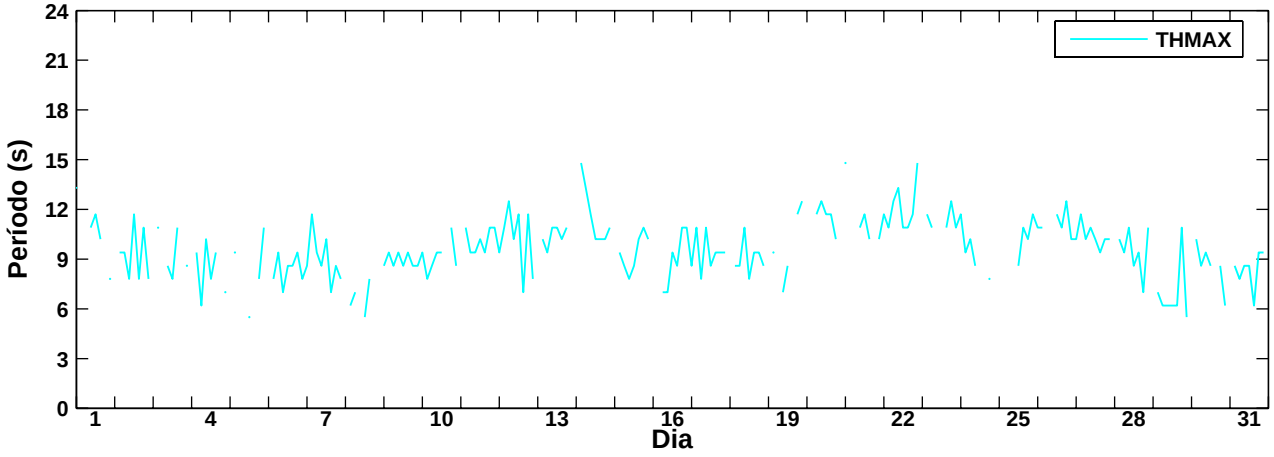
Série temporal − Novembro 2006



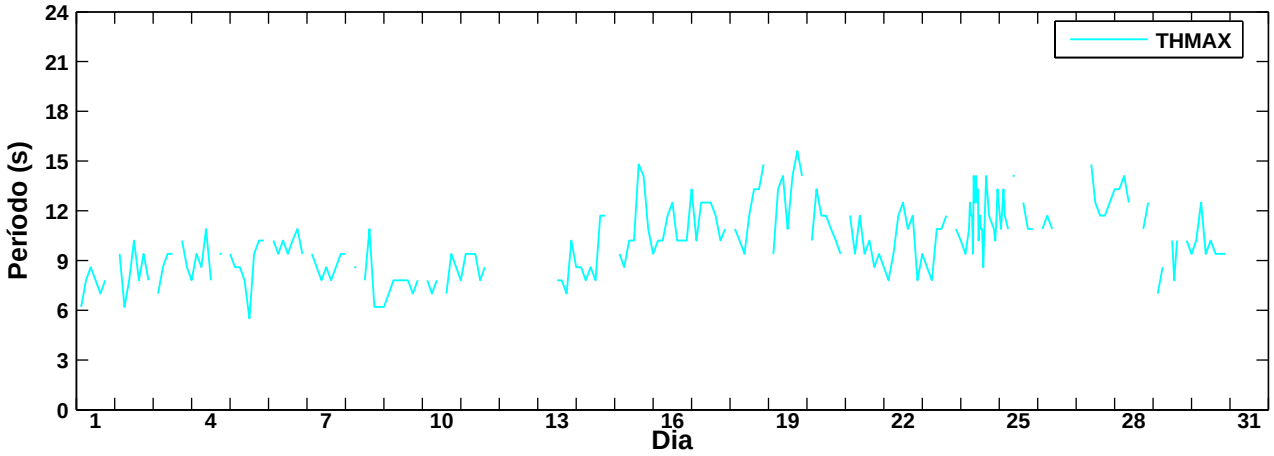
Série temporal − Dezembro 2006



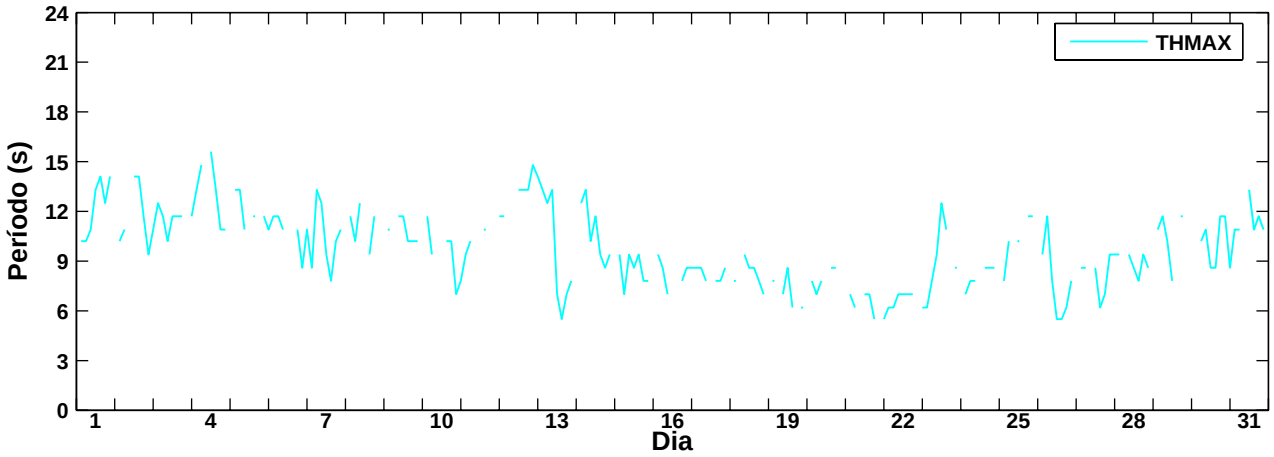
TERCEIRA
Série temporal − Outubro 2006



Série temporal − Novembro 2006



Série temporal − Dezembro 2006



ANEXO C

Tabelas de ocorrências conjuntas HMAX - THMAX, H100 - TH100, H10 - TH10, HS - THS, HS - TZ e HMAX - TMAX

TABELA DE OCORRENCIAS CONJUNTAS TERCEIRA OUT 2006

THMAX / HMAX	< 3	3 4	4 5	5 6	6 7	7 8	8 9	9 10	10 11	11 12	12 13	13 14	14 15	15 16	16 17	17 18	>18	SOMA	%	MED
0.0- 0.5																				
0.5- 1.0																				
1.0- 1.5						1	1		2									4	2.1	9.2
1.5- 2.0					2	7	2	4	5	1								21	10.8	8.8
2.0- 2.5				3	3	7	5	7	3									28	14.4	8.1
2.5- 3.0					2	2	9	6	14	4			1					38	19.5	9.8
3.0- 3.5					1	1	5	2	10	3	3							25	12.8	10.2
3.5- 4.0						2	1	8	9	3	1							24	12.3	10.1
4.0- 4.5						2	4		1	3			1					11	5.6	10.1
4.5- 5.0						3		4	6	2	2	2						19	9.7	10.5
5.0- 5.5						1	2	1	5	2								11	5.6	10.1
5.5- 6.0						1	1	2	2			1	1					8	4.1	10.5
6.0- 6.5									1									1	0.5	10.9
6.5- 7.0							1											1	0.5	8.6
7.0- 7.5							1		1									2	1.0	9.8
7.5- 8.0						1												1	0.5	7.8
8.0- 8.5									1									1	0.5	10.9
8.5- 9.0																				
9.0- 9.5																				
9.5-10.0																				
10.0-10.5																				
10.5-11.0																				
11.0-11.5																				
11.5-12.0																				
12.0-12.5																				
12.5-13.0																				
13.0-13.5																				
13.5-14.0																				
14.0-14.5																				
14.5-15.0																				
>15.0																				
SOMA				3	8	28	32	34	60	18	6	3	3					195	100	
%				1.5	4.1	14.4	16.4	17.4	30.8	9.2	3.1	1.5	1.5					100		
MED				2.1	2.3	3.1	3.4	3.3	3.6	3.7	3.7	5.1	4.3							

THMAX

MED 9.6 MIN 5.5 MAX 14.8

DES.PAD 1.8 ASSIM 0.07 CURT 3.10

HMAX

MED 3.39 MIN 1.37 MAX 8.36

DES.PAD 1.32 ASSIM 0.93 CURT 3.71

TABELA DE OCORRENCIAS CONJUNTAS TERCEIRA NOV 2006

THMAX / HMAX	< 3	3 4	4 5	5 6	6 7	7 8	8 9	9 10	10 11	11 12	12 13	13 14	14 15	15 16	16 17	17 18	>18	SOMA	%	MED
0.0- 0.5																				
0.5- 1.0																				
1.0- 1.5																				
1.5- 2.0						1	3											4	1.9	8.4
2.0- 2.5						6	2	6	4	5	1							24	11.4	9.7
2.5- 3.0					3	5	5	4	3	2								22	10.5	8.7
3.0- 3.5				1	2	4	1	4	4	1		1		1				19	9.0	9.3
3.5- 4.0						9	1	5	4	1		1	1					22	10.5	9.4
4.0- 4.5						6	2	6	4		2	1	1					22	10.5	9.7
4.5- 5.0						2	3	5	6	2	2	1						21	10.0	10.1
5.0- 5.5						3	1	1	4		1		1					11	5.2	9.8
5.5- 6.0							2		6	1	2	1	1					13	6.2	11.2
6.0- 6.5								2	5	1	1		2					11	5.2	11.2
6.5- 7.0									4	2	1	1	1					9	4.3	11.6
7.0- 7.5						1	1		5	3	2	2	2					16	7.6	11.6
7.5- 8.0									1	1			2					4	1.9	12.9
8.0- 8.5								2	2	1		1	1					7	3.3	11.3
8.5- 9.0										1		1						2	1.0	12.5
9.0- 9.5										1								1	0.5	11.7
9.5-10.0											1							1	0.5	12.5
10.0-10.5																				
10.5-11.0											1							1	0.5	12.5
11.0-11.5																				
11.5-12.0																				
12.0-12.5																				
12.5-13.0																				
13.0-13.5																				
13.5-14.0																				
14.0-14.5																				
14.5-15.0																				
>15.0																				
SOMA				1	5	37	21	35	52	22	14	10	12	1				210	100	
%				0.5	2.4	17.6	10.0	16.7	24.8	10.5	6.7	4.8	5.7	0.5				100		
MED				3.3	3.0	3.6	3.7	4.0	5.1	5.2	6.1	6.0	6.4	3.3						

THMAX

MED 10.1 MIN 5.5 MAX 15.6

DES.PAD 2.1 ASSIM 0.29 CURT 2.53

HMAX

MED 4.63 MIN 1.69 MAX 10.60

DES.PAD 1.90 ASSIM 0.59 CURT 2.62

TABELA DE OCORRENCIAS CONJUNTAS TERCEIRA DEZ 2006

THMAX / HMAX	< 3	3 4	4 5	5 6	6 7	7 8	8 9	9 10	10 11	11 12	12 13	13 14	14 15	15 16	16 17	17 18	>18	SOMA	%	MED
0.0- 0.5																				
0.5- 1.0																				
1.0- 1.5						3												3	1.6	7.3
1.5- 2.0					1	2	2	1	4									10	5.3	8.8
2.0- 2.5				1	2	3	1	1										8	4.2	7.3
2.5- 3.0				2	2	7	6	5	3	3		1						29	15.3	8.8
3.0- 3.5				1		7	7	3	4	8	4	5						39	20.5	10.3
3.5- 4.0				1	3	2	1		11	1		1	2					22	11.6	9.8
4.0- 4.5					1	3	2	2	2	4		1	3					18	9.5	10.5
4.5- 5.0						3	1	4	5	7		3	1	1				25	13.2	10.9
5.0- 5.5						1	2	1	3	3	3	2	1					16	8.4	11.3
5.5- 6.0						5	1	1	2									9	4.7	8.6
6.0- 6.5						2	2		2									6	3.2	8.7
6.5- 7.0						1	1	1										3	1.6	8.6
7.0- 7.5							1		1									2	1.1	9.8
7.5- 8.0																				
8.0- 8.5																				
8.5- 9.0																				
9.0- 9.5																				
9.5-10.0																				
10.0-10.5																				
10.5-11.0																				
11.0-11.5																				
11.5-12.0																				
12.0-12.5																				
12.5-13.0																				
13.0-13.5																				
13.5-14.0																				
14.0-14.5																				
14.5-15.0																				
>15.0																				
SOMA				5	9	39	27	19	37	26	7	13	7	1				190	100	
%				2.6	4.7	20.5	14.2	10.0	19.5	13.7	3.7	6.8	3.7	0.5				100		
MED				2.9	3.0	3.7	3.8	3.8	4.0	4.0	4.1	4.0	4.3	4.8						

THMAX

MED 9.8 MIN 5.5 MAX 15.6

DES.PAD 2.3 ASSIM 0.19 CURT 2.25

HMAX

MED 3.84 MIN 1.37 MAX 7.48

DES.PAD 1.25 ASSIM 0.43 CURT 2.84

TH100 / H100	< 3	3 4	4 5	5 6	6 7	7 8	8 9	9 10	10 11	11 12	12 13	13 14	14 15	15 16	16 17	17 18	>18	SOMA	%	MED
0.0- 0.5																				
0.5- 1.0																				
1.0- 1.5						1	1	4										6	3.1	9.0
1.5- 2.0				1	1	5	11	5	2									25	12.8	8.5
2.0- 2.5				3	1	4	7	14	4									33	16.9	8.7
2.5- 3.0					1	2	7	12	11	2	3							38	19.5	9.7
3.0- 3.5						2	3	2	9	5	1							22	11.3	10.1
3.5- 4.0						2	1	6	7	3								19	9.7	10.0
4.0- 4.5							5	4	3	4	3	1	1					21	10.8	10.6
4.5- 5.0							4	4	4	1								13	6.7	9.7
5.0- 5.5								2	4				1					7	3.6	10.8
5.5- 6.0								4	2		1							7	3.6	10.1
6.0- 6.5																				
6.5- 7.0								2	1									3	1.5	9.8
7.0- 7.5									1									1	0.5	10.9
7.5- 8.0																				
8.0- 8.5																				
8.5- 9.0																				
9.0- 9.5																				
9.5-10.0																				
10.0-10.5																				
10.5-11.0																				
11.0-11.5																				
11.5-12.0																				
12.0-12.5																				
12.5-13.0																				
13.0-13.5																				
13.5-14.0																				
14.0-14.5																				
14.5-15.0																				
>15.0																				
SOMA				4	3	16	39	59	48	15	8	1	2					195	100	
%				2.1	1.5	8.2	20.0	30.3	24.6	7.7	4.1	0.5	1.0					100		
MED				2.0	2.3	2.4	2.8	3.2	3.7	3.6	3.8	4.4	4.8							

TH100

MED 9.6 MIN 5.5 MAX 14.5

DES.PAD 1.5 ASSIM 0.16 CURT 3.67

H100

MED 3.22 MIN 1.32 MAX 7.25

DES.PAD 1.24 ASSIM 0.78 CURT 3.08

TABELA DE OCORRENCIAS CONJUNTAS TERCEIRA NOV 2006

TH100 / H100	< 3	3 4	4 5	5 6	6 7	7 8	8 9	9 10	10 11	11 12	12 13	13 14	14 15	15 16	16 17	17 18	>18	SOMA	%	MED
0.0- 0.5																				
0.5- 1.0																				
1.0- 1.5																				
1.5- 2.0							5	2			1							8	3.8	9.1
2.0- 2.5					2	3	7	8	4	3	4							31	14.8	9.6
2.5- 3.0						4	2	4	3	1								14	6.7	9.1
3.0- 3.5				1	1	8	5	5	3	1			1					25	11.9	8.8
3.5- 4.0					1	6	4	3	4	1		1	1					21	10.0	9.3
4.0- 4.5						1	10	7	2	1	2	1						24	11.4	9.5
4.5- 5.0							2	3	2	4	3	1						15	7.1	10.9
5.0- 5.5						1	2	3	2	4	4		1					17	8.1	10.9
5.5- 6.0							1		1	5	2							9	4.3	11.4
6.0- 6.5							1	3	3	2	4							13	6.2	11.0
6.5- 7.0									1	2	4	1	1					9	4.3	12.5
7.0- 7.5							2		3	3		2	1					11	5.2	11.3
7.5- 8.0								1			5							6	2.9	12.2
8.0- 8.5									3		2							5	2.4	11.5
8.5- 9.0																				
9.0- 9.5										1	1							2	1.0	12.1
9.5-10.0																				
10.0-10.5																				
10.5-11.0																				
11.0-11.5																				
11.5-12.0																				
12.0-12.5																				
12.5-13.0																				
13.0-13.5																				
13.5-14.0																				
14.0-14.5																				
14.5-15.0																				
>15.0																				
SOMA				1	4	23	41	39	31	28	32	6	5					210	100	
%				0.5	1.9	11.0	19.5	18.6	14.8	13.3	15.2	2.9	2.4					100		
MED				3.2	2.8	3.3	3.6	3.8	4.8	5.3	5.8	5.7	5.3							

TH100

MED 10.1 MIN 5.7 MAX 14.8

DES.PAD 1.9 ASSIM 0.17 CURT 2.26

H100

MED 4.42 MIN 1.69 MAX 9.40

DES.PAD 1.81 ASSIM 0.53 CURT 2.33

TH100 / H100	< 3	3 4	4 5	5 6	6 7	7 8	8 9	9 10	10 11	11 12	12 13	13 14	14 15	15 16	16 17	17 18	>18	SOMA	%	MED
0.0- 0.5																				
0.5- 1.0																				
1.0- 1.5						1	1	3										5	2.6	8.8
1.5- 2.0					1	4		2	1									8	4.2	8.1
2.0- 2.5				1		4	5	3										13	6.8	8.0
2.5- 3.0				1	3	8	7	4	4	5	3							35	18.4	9.1
3.0- 3.5					4	4	3	9	5	5	2	7						39	20.5	10.2
3.5- 4.0					2	2		2	7	1	3	2	1	1				21	11.1	10.7
4.0- 4.5						2	2	3	5	3	3	2						20	10.5	10.6
4.5- 5.0						4	3	1	6	5	4		2					25	13.2	10.7
5.0- 5.5						3	2	1	2	4		1						13	6.8	10.1
5.5- 6.0							3			1								4	2.1	9.0
6.0- 6.5						2		1	1									4	2.1	8.6
6.5- 7.0							2		1									3	1.6	9.3
7.0- 7.5																				
7.5- 8.0																				
8.0- 8.5																				
8.5- 9.0																				
9.0- 9.5																				
9.5-10.0																				
10.0-10.5																				
10.5-11.0																				
11.0-11.5																				
11.5-12.0																				
12.0-12.5																				
12.5-13.0																				
13.0-13.5																				
13.5-14.0																				
14.0-14.5																				
14.5-15.0																				
>15.0																				
SOMA				2	10	34	28	29	32	24	15	12	3	1				190	100	
%				1.1	5.3	17.9	14.7	15.3	16.8	12.6	7.9	6.3	1.6	0.5				100		
MED				2.4	3.0	3.4	3.8	3.1	4.0	4.0	3.9	3.7	4.5	4.0						

TH100

MED 9.8 MIN 5.5 MAX 15.2

DES.PAD 2.1 ASSIM 0.24 CURT 2.27

H100

MED 3.63 MIN 1.26 MAX 6.99

DES.PAD 1.17 ASSIM 0.36 CURT 2.74

TH10 / H10	< 3	3 4	4 5	5 6	6 7	7 8	8 9	9 10	10 11	11 12	12 13	13 14	14 15	15 16	16 17	17 18	>18	SOMA	%	MED
0.0- 0.5																				
0.5- 1.0																				
1.0- 1.5						4	12	6										22	11.3	8.5
1.5- 2.0					5	10	11	12	2	1								41	21.0	8.4
2.0- 2.5						5	5	14	15	3	1							43	22.1	9.7
2.5- 3.0						1	4	11	3	12	1							32	16.4	10.2
3.0- 3.5							2	7	2	9	1							21	10.8	10.5
3.5- 4.0							5	7	3		2	1						18	9.2	9.9
4.0- 4.5								6	4	1								11	5.6	10.2
4.5- 5.0								2	2									4	2.1	10.0
5.0- 5.5									3									3	1.5	10.4
5.5- 6.0																				
6.0- 6.5																				
6.5- 7.0																				
7.0- 7.5																				
7.5- 8.0																				
8.0- 8.5																				
8.5- 9.0																				
9.0- 9.5																				
9.5-10.0																				
10.0-10.5																				
10.5-11.0																				
11.0-11.5																				
11.5-12.0																				
12.0-12.5																				
12.5-13.0																				
13.0-13.5																				
13.5-14.0																				
14.0-14.5																				
14.5-15.0																				
>15.0																				
SOMA					5	20	39	65	34	26	5	1						195	100	
%					2.6	10.3	20.0	33.3	17.4	13.3	2.6	0.5						100		
MED					1.7	1.8	2.1	2.7	3.0	2.9	3.3	3.7								

TH10

MED 9.5 MIN 6.0 MAX 13.4

DES.PAD 1.3 ASSIM 0.06 CURT 2.76

H10

MED 2.55 MIN 1.00 MAX 5.44

DES.PAD 0.96 ASSIM 0.69 CURT 2.83

TABELA DE OCORRENCIAS CONJUNTAS TERCEIRA NOV 2006

TH10 / H10	< 3	3 4	4 5	5 6	6 7	7 8	8 9	9 10	10 11	11 12	12 13	13 14	14 15	15 16	16 17	17 18	>18	SOMA	%	MED
0.0- 0.5																				
0.5- 1.0																				
1.0- 1.5						1	1	1										3	1.4	8.3
1.5- 2.0				1	1	3	10	9	9	5								38	18.1	9.4
2.0- 2.5					1	7	3	4	6	1								22	10.5	9.0
2.5- 3.0						8	6	9	2	1	2							28	13.3	9.0
3.0- 3.5					1	2	9	10	3	2	2							29	13.8	9.3
3.5- 4.0						1	2	3	6	3	6							21	10.0	10.7
4.0- 4.5								3	3	7	2							15	7.1	11.1
4.5- 5.0							1		2	5	5	1						14	6.7	11.6
5.0- 5.5							1	1	1	2	6	1						12	5.7	11.6
5.5- 6.0										8	6	2						16	7.6	12.1
6.0- 6.5								1			6	3						10	4.8	12.4
6.5- 7.0											2							2	1.0	12.1
7.0- 7.5																				
7.5- 8.0																				
8.0- 8.5																				
8.5- 9.0																				
9.0- 9.5																				
9.5-10.0																				
10.0-10.5																				
10.5-11.0																				
11.0-11.5																				
11.5-12.0																				
12.0-12.5																				
12.5-13.0																				
13.0-13.5																				
13.5-14.0																				
14.0-14.5																				
14.5-15.0																				
>15.0																				
SOMA				1	3	22	33	41	32	34	37	7						210	100	
%				0.5	1.4	10.5	15.7	19.5	15.2	16.2	17.6	3.3						100		
MED				1.9	2.5	2.5	2.7	2.9	2.9	4.2	5.0	5.8								

TH10

MED 10.2 MIN 5.8 MAX 13.5

DES.PAD 1.8 ASSIM -0.11 CURT 1.98

H10

MED 3.49 MIN 1.37 MAX 6.75

DES.PAD 1.43 ASSIM 0.49 CURT 2.15

TH10 / H10	< 3	3 4	4 5	5 6	6 7	7 8	8 9	9 10	10 11	11 12	12 13	13 14	14 15	15 16	16 17	17 18	>18	SOMA	%	MED
0.0- 0.5																				
0.5- 1.0																				
1.0- 1.5						5	7	1										13	6.8	8.2
1.5- 2.0					1	5	2	3	2									13	6.8	8.3
2.0- 2.5					4	12	8	12	9	3	2							50	26.3	9.0
2.5- 3.0					3	2	1	6	6	13	4	3	2					40	21.1	10.8
3.0- 3.5						1	4	1	2	9	3	2						22	11.6	10.8
3.5- 4.0						2	4	1	3	11	6	1						28	14.7	10.7
4.0- 4.5							10		1	5								16	8.4	9.6
4.5- 5.0							4			1	1							6	3.2	9.6
5.0- 5.5							2											2	1.1	8.5
5.5- 6.0																				
6.0- 6.5																				
6.5- 7.0																				
7.0- 7.5																				
7.5- 8.0																				
8.0- 8.5																				
8.5- 9.0																				
9.0- 9.5																				
9.5-10.0																				
10.0-10.5																				
10.5-11.0																				
11.0-11.5																				
11.5-12.0																				
12.0-12.5																				
12.5-13.0																				
13.0-13.5																				
13.5-14.0																				
14.0-14.5																				
14.5-15.0																				
>15.0																				
SOMA					8	27	42	24	23	42	16	6	2					190	100	
%					4.2	14.2	22.1	12.6	12.1	22.1	8.4	3.2	1.1					100		
MED					2.4	2.1	3.1	2.4	2.7	3.3	3.3	3.1	2.9							

TH10

MED 9.8 MIN 6.0 MAX 14.0

DES.PAD 1.9 ASSIM 0.13 CURT 1.97

H10

MED 2.86 MIN 1.00 MAX 5.21

DES.PAD 0.91 ASSIM 0.29 CURT 2.51

THS / HS	< 3	3 4	4 5	5 6	6 7	7 8	8 9	9 10	10 11	11 12	12 13	13 14	14 15	15 16	16 17	17 18	>18	SOMA	%	MED
0.0- 0.5																				
0.5- 1.0					2	3	3											8	4.1	7.5
1.0- 1.5				2	5	19	13	4	3									46	23.6	7.9
1.5- 2.0						11	12	14	13	2								52	26.7	9.1
2.0- 2.5						3	4	7	10	10								34	17.4	10.1
2.5- 3.0							5	10	4	4	1	1						25	12.8	9.9
3.0- 3.5							3	11	6	1	2							23	11.8	9.8
3.5- 4.0								2	2									4	2.1	9.9
4.0- 4.5									3									3	1.5	10.2
4.5- 5.0																				
5.0- 5.5																				
5.5- 6.0																				
6.0- 6.5																				
6.5- 7.0																				
7.0- 7.5																				
7.5- 8.0																				
8.0- 8.5																				
8.5- 9.0																				
9.0- 9.5																				
9.5-10.0																				
10.0-10.5																				
10.5-11.0																				
11.0-11.5																				
11.5-12.0																				
12.0-12.5																				
12.5-13.0																				
13.0-13.5																				
13.5-14.0																				
14.0-14.5																				
14.5-15.0																				
>15.0																				
SOMA				2	7	36	40	48	41	17	3	1						195	100	
%				1.0	3.6	18.5	20.5	24.6	21.0	8.7	1.5	0.5						100		
MED				1.4	1.2	1.4	1.8	2.4	2.4	2.3	3.0	3.0								

THS

MED 9.2 MIN 5.6 MAX 13.3

DES.PAD 1.4 ASSIM 0.05 CURT 2.61

HS

MED 2.05 MIN 0.79 MAX 4.42

DES.PAD 0.77 ASSIM 0.71 CURT 2.88

TABELA DE OCORRENCIAS CONJUNTAS TERCEIRA NOV 2006

THS / HS	< 3	3 4	4 5	5 6	6 7	7 8	8 9	9 10	10 11	11 12	12 13	13 14	14 15	15 16	16 17	17 18	>18	SOMA	%	MED
0.0- 0.5																				
0.5- 1.0																				
1.0- 1.5					4	2	7	11	9									33	15.7	9.0
1.5- 2.0				1	1	8	5	7	8									30	14.3	8.8
2.0- 2.5						10	11	8	5	2	2							38	18.1	9.1
2.5- 3.0					1	3	12	8	5	3								32	15.2	9.2
3.0- 3.5								3	8	6	3							20	9.5	10.9
3.5- 4.0							1	1	2	8	2	2						16	7.6	11.4
4.0- 4.5							2		1	6	7							16	7.6	11.5
4.5- 5.0								1		5	9	1						16	7.6	11.9
5.0- 5.5										2	7							9	4.3	12.1
5.5- 6.0																				
6.0- 6.5																				
6.5- 7.0																				
7.0- 7.5																				
7.5- 8.0																				
8.0- 8.5																				
8.5- 9.0																				
9.0- 9.5																				
9.5-10.0																				
10.0-10.5																				
10.5-11.0																				
11.0-11.5																				
11.5-12.0																				
12.0-12.5																				
12.5-13.0																				
13.0-13.5																				
13.5-14.0																				
14.0-14.5																				
14.5-15.0																				
>15.0																				
SOMA				1	6	23	38	39	38	32	30	3						210	100	
%				0.5	2.9	11.0	18.1	18.6	18.1	15.2	14.3	1.4						100		
MED				1.6	1.6	2.1	2.3	2.2	2.4	3.8	4.3	4.1								

THS

MED 9.9 MIN 5.8 MAX 13.1

DES.PAD 1.7 ASSIM -0.11 CURT 2.10

HS

MED 2.79 MIN 1.12 MAX 5.41

DES.PAD 1.15 ASSIM 0.49 CURT 2.15

TABELA DE OCORRENCIAS CONJUNTAS TERCEIRA DEZ 2006

THS / HS	< 3	3 4	4 5	5 6	6 7	7 8	8 9	9 10	10 11	11 12	12 13	13 14	14 15	15 16	16 17	17 18	>18	SOMA	%	MED
0.0- 0.5																				
0.5- 1.0						5												5	2.6	7.3
1.0- 1.5					2	8	5	1										16	8.4	7.7
1.5- 2.0					5	19	14	11	7	2								58	30.5	8.6
2.0- 2.5					3	3	4	6	8	10	6	1						41	21.6	10.2
2.5- 3.0						4	3	1	2	13	6	2						31	16.3	10.7
3.0- 3.5						1	10		6	7	3							27	14.2	10.0
3.5- 4.0							6			3								9	4.7	9.5
4.0- 4.5							3											3	1.6	8.6
4.5- 5.0																				
5.0- 5.5																				
5.5- 6.0																				
6.0- 6.5																				
6.5- 7.0																				
7.0- 7.5																				
7.5- 8.0																				
8.0- 8.5																				
8.5- 9.0																				
9.0- 9.5																				
9.5-10.0																				
10.0-10.5																				
10.5-11.0																				
11.0-11.5																				
11.5-12.0																				
12.0-12.5																				
12.5-13.0																				
13.0-13.5																				
13.5-14.0																				
14.0-14.5																				
14.5-15.0																				
>15.0																				
SOMA					10	40	45	19	23	35	15	3						190	100	
%					5.3	21.1	23.7	10.0	12.1	18.4	7.9	1.6						100		
MED					1.8	1.7	2.5	2.0	2.4	2.7	2.6	2.7								

THS

MED 9.4 MIN 6.0 MAX 13.3

DES.PAD 1.8 ASSIM 0.22 CURT 1.87

HS

MED 2.29 MIN 0.79 MAX 4.16

DES.PAD 0.73 ASSIM 0.27 CURT 2.50

TABELA DE OCORRENCIAS CONJUNTAS TERCEIRA OUT 2006

TZ / HS	< 3	3 4	4 5	5 6	6 7	7 8	8 9	9 10	10 11	11 12	12 13	13 14	14 15	15 16	16 17	17 18	>18	SOMA	%	MED
0.0- 0.5																				
0.5- 1.0			3	4	1													8	4.1	5.3
1.0- 1.5			2	19	19	6												46	23.6	6.1
1.5- 2.0				8	22	12	10											52	26.7	6.9
2.0- 2.5					4	14	13	3										34	17.4	7.8
2.5- 3.0					6	9	5	4	1									25	12.8	7.8
3.0- 3.5					3	13	5		2									23	11.8	7.7
3.5- 4.0						2	2											4	2.1	7.9
4.0- 4.5							3											3	1.5	8.1
4.5- 5.0																				
5.0- 5.5																				
5.5- 6.0																				
6.0- 6.5																				
6.5- 7.0																				
7.0- 7.5																				
7.5- 8.0																				
8.0- 8.5																				
8.5- 9.0																				
9.0- 9.5																				
9.5-10.0																				
10.0-10.5																				
10.5-11.0																				
11.0-11.5																				
11.5-12.0																				
12.0-12.5																				
12.5-13.0																				
13.0-13.5																				
13.5-14.0																				
14.0-14.5																				
14.5-15.0																				
>15.0																				
SOMA			5	31	55	56	38	7	3									195	100	
%			2.6	15.9	28.2	28.7	19.5	3.6	1.5									100		
MED			1.1	1.3	1.8	2.4	2.5	2.4	3.1											

TZ

MED 7.1 MIN 4.6 MAX 10.7

DES.PAD 1.2 ASSIM 0.27 CURT 2.76

HS

MED 2.05 MIN 0.79 MAX 4.42

DES.PAD 0.77 ASSIM 0.71 CURT 2.88

TABELA DE OCORRENCIAS CONJUNTAS TERCEIRA NOV 2006

TZ / HS	< 3	3 4	4 5	5 6	6 7	7 8	8 9	9 10	10 11	11 12	12 13	13 14	14 15	15 16	16 17	17 18	>18	SOMA	%	MED
0.0- 0.5																				
0.5- 1.0																				
1.0- 1.5				5	9	12	7											33	15.7	7.0
1.5- 2.0				3	12	9	6											30	14.3	7.0
2.0- 2.5				1	18	12	6	1										38	18.1	7.1
2.5- 3.0					10	18	4											32	15.2	7.2
3.0- 3.5						3	11	5	1									20	9.5	8.6
3.5- 4.0						3	5	6	2									16	7.6	8.8
4.0- 4.5						3	6	3	4									16	7.6	8.9
4.5- 5.0						1	5	10										16	7.6	9.0
5.0- 5.5							2	6	1									9	4.3	9.4
5.5- 6.0																				
6.0- 6.5																				
6.5- 7.0																				
7.0- 7.5																				
7.5- 8.0																				
8.0- 8.5																				
8.5- 9.0																				
9.0- 9.5																				
9.5-10.0																				
10.0-10.5																				
10.5-11.0																				
11.0-11.5																				
11.5-12.0																				
12.0-12.5																				
12.5-13.0																				
13.0-13.5																				
13.5-14.0																				
14.0-14.5																				
14.5-15.0																				
>15.0																				
SOMA				9	49	61	52	31	8									210	100	
%				4.3	23.3	29.0	24.8	14.8	3.8									100		
MED				1.6	2.1	2.4	3.1	4.2	4.1											

TZ

MED 7.7 MIN 5.0 MAX 10.4

DES.PAD 1.2 ASSIM 0.05 CURT 2.38

HS

MED 2.79 MIN 1.12 MAX 5.41

DES.PAD 1.15 ASSIM 0.49 CURT 2.15

TABELA DE OCORRENCIAS CONJUNTAS TERCEIRA DEZ 2006

TZ / HS	< 3	3 4	4 5	5 6	6 7	7 8	8 9	9 10	10 11	11 12	12 13	13 14	14 15	15 16	16 17	17 18	>18	SOMA	%	MED
0.0- 0.5																				
0.5- 1.0				4	1													5	2.6	5.4
1.0- 1.5			1	6	9													16	8.4	5.9
1.5- 2.0				9	37	10	2											58	30.5	6.5
2.0- 2.5				5	9	12	11	3	1									41	21.6	7.5
2.5- 3.0					7	4	7	12	1									31	16.3	8.3
3.0- 3.5					11	3	6	6	1									27	14.2	7.9
3.5- 4.0					1	5	2	1										9	4.7	7.6
4.0- 4.5						3												3	1.6	7.2
4.5- 5.0																				
5.0- 5.5																				
5.5- 6.0																				
6.0- 6.5																				
6.5- 7.0																				
7.0- 7.5																				
7.5- 8.0																				
8.0- 8.5																				
8.5- 9.0																				
9.0- 9.5																				
9.5-10.0																				
10.0-10.5																				
10.5-11.0																				
11.0-11.5																				
11.5-12.0																				
12.0-12.5																				
12.5-13.0																				
13.0-13.5																				
13.5-14.0																				
14.0-14.5																				
14.5-15.0																				
>15.0																				
SOMA			1	24	75	37	28	22	3									190	100	
%			0.5	12.6	39.5	19.5	14.7	11.6	1.6									100		
MED			1.1	1.6	2.1	2.6	2.6	2.9	2.8											

TZ

MED 7.2 MIN 4.7 MAX 10.4

DES.PAD 1.3 ASSIM 0.46 CURT 2.38

HS

MED 2.29 MIN 0.79 MAX 4.16

DES.PAD 0.73 ASSIM 0.27 CURT 2.50

TABELA DE OCORRENCIAS CONJUNTAS TERCEIRA OUT 2006

TMAX / HMAX	< 3	3 4	4 5	5 6	6 7	7 8	8 9	9 10	10 11	11 12	12 13	13 14	14 15	15 16	16 17	17 18	>18	SOMA	%	MED
0.0- 0.5																				
0.5- 1.0																				
1.0- 1.5											2		2					4	2.1	13.3
1.5- 2.0										1	2	8	7	3				21	10.8	13.9
2.0- 2.5									2	3	5	8	10					28	14.4	13.2
2.5- 3.0											8	12	9	5	3		1	38	19.5	14.1
3.0- 3.5										1	4	6	5	2	4	3		25	12.8	14.5
3.5- 4.0											1	7	7	1	3	3	2	24	12.3	15.0
4.0- 4.5											1	4	1	2		1	2	11	5.6	15.1
4.5- 5.0											1	1	8	5	2	1	1	19	9.7	15.1
5.0- 5.5													6	2	3			11	5.6	15.3
5.5- 6.0												2	2		1	2	1	8	4.1	15.7
6.0- 6.5													1					1	0.5	14.8
6.5- 7.0												1						1	0.5	13.3
7.0- 7.5													1	1				2	1.0	15.2
7.5- 8.0														1				1	0.5	15.6
8.0- 8.5													1					1	0.5	14.8
8.5- 9.0																				
9.0- 9.5																				
9.5-10.0																				
10.0-10.5																				
10.5-11.0																				
11.0-11.5																				
11.5-12.0																				
12.0-12.5																				
12.5-13.0																				
13.0-13.5																				
13.5-14.0																				
14.0-14.5																				
14.5-15.0																				
>15.0																				
SOMA									2	5	24	49	60	22	16	10	7	195	100	
%									1.0	2.6	12.3	25.1	30.8	11.3	8.2	5.1	3.6	100		
MED									2.2	2.3	2.7	3.0	3.5	4.0	3.9	4.1	4.2			

TMAX

MED 14.4 MIN 10.9 MAX 19.5

DES.PAD 1.6 ASSIM 0.65 CURT 3.26

HMAX

MED 3.39 MIN 1.37 MAX 8.36

DES.PAD 1.32 ASSIM 0.93 CURT 3.71

TABELA DE OCORRENCIAS CONJUNTAS TERCEIRA NOV 2006

TMAX / HMAX	< 3	3 4	4 5	5 6	6 7	7 8	8 9	9 10	10 11	11 12	12 13	13 14	14 15	15 16	16 17	17 18	>18	SOMA	%	MED
0.0- 0.5																				
0.5- 1.0																				
1.0- 1.5																				
1.5- 2.0										1	1		1				1	4	1.9	14.2
2.0- 2.5										2	3		4	4	6	4	1	24	11.4	15.3
2.5- 3.0									1		1	5	6	6	2	1		22	10.5	14.5
3.0- 3.5									2	2	3		5	2	2		3	19	9.0	14.4
3.5- 4.0									1	1	3	4	8	2		1	2	22	10.5	14.3
4.0- 4.5									1		3	4	8	3	1		2	22	10.5	14.5
4.5- 5.0										1		4	5		2	3	6	21	10.0	15.9
5.0- 5.5									1	1			3	1	2	1	2	11	5.2	15.2
5.5- 6.0												1	1	3		4	4	13	6.2	16.8
6.0- 6.5												1	3	2	1		4	11	5.2	16.2
6.5- 7.0											1				1		7	9	4.3	18.0
7.0- 7.5														1	3	6	6	16	7.6	17.6
7.5- 8.0																3	1	4	1.9	17.4
8.0- 8.5															1	2	4	7	3.3	18.0
8.5- 9.0																1	1	2	1.0	18.0
9.0- 9.5															1			1	0.5	16.4
9.5-10.0																1		1	0.5	17.2
10.0-10.5																				
10.5-11.0																	1	1	0.5	18.0
11.0-11.5																				
11.5-12.0																				
12.0-12.5																				
12.5-13.0																				
13.0-13.5																				
13.5-14.0																				
14.0-14.5																				
14.5-15.0																				
>15.0																				
SOMA									6	8	15	19	44	24	22	27	45	210	100	
%									2.9	3.8	7.1	9.0	21.0	11.4	10.5	12.9	21.4	100		
MED									3.8	3.3	3.4	4.0	3.9	3.9	4.7	5.9	5.9			

TMAX

MED 15.6 MIN 10.2 MAX 21.1

DES.PAD 2.3 ASSIM -0.04 CURT 2.32

HMAX

MED 4.63 MIN 1.69 MAX 10.60

DES.PAD 1.90 ASSIM 0.59 CURT 2.62

TABELA DE OCORRENCIAS CONJUNTAS TERCEIRA DEZ 2006

TMAX / HMAX	< 3	3 4	4 5	5 6	6 7	7 8	8 9	9 10	10 11	11 12	12 13	13 14	14 15	15 16	16 17	17 18	>18	SOMA	%	MED
0.0- 0.5																				
0.5- 1.0																				
1.0- 1.5											1	1	1					3	1.6	13.3
1.5- 2.0									1		2	2	5					10	5.3	13.3
2.0- 2.5									1	1	2		4					8	4.2	13.1
2.5- 3.0									2	2	3	3	10	5	1	2	1	29	15.3	14.3
3.0- 3.5									2	1	1	3	13	7	6	4	2	39	20.5	15.1
3.5- 4.0								1	2	1	1	1	5	4		3	4	22	11.6	15.1
4.0- 4.5									2	3	1		3	1	4		4	18	9.5	15.0
4.5- 5.0										1	2		6	3	7	4	2	25	13.2	15.7
5.0- 5.5											2	1	4	1	2	5	1	16	8.4	15.6
5.5- 6.0										1	3	1	1	2			1	9	4.7	14.1
6.0- 6.5											1	1	1	3				6	3.2	14.5
6.5- 7.0											1			1		1		3	1.6	15.1
7.0- 7.5												1				1		2	1.1	15.2
7.5- 8.0																				
8.0- 8.5																				
8.5- 9.0																				
9.0- 9.5																				
9.5-10.0																				
10.0-10.5																				
10.5-11.0																				
11.0-11.5																				
11.5-12.0																				
12.0-12.5																				
12.5-13.0																				
13.0-13.5																				
13.5-14.0																				
14.0-14.5																				
14.5-15.0																				
>15.0																				
SOMA								1	10	10	20	14	53	27	20	20	15	190	100	
%								0.5	5.3	5.3	10.5	7.4	27.9	14.2	10.5	10.5	7.9	100		
MED								3.5	3.1	3.8	3.9	3.6	3.4	4.2	4.1	4.5	4.1			

TMAX

MED 14.8 MIN 9.4 MAX 21.1

DES.PAD 2.2 ASSIM 0.08 CURT 2.78

HMAX

MED 3.84 MIN 1.37 MAX 7.48

DES.PAD 1.25 ASSIM 0.43 CURT 2.84

ANEXO D

Listagem dos parâmetros espectrais HM0, T02, TP, SMAX e direccionais THTP1, SPRTP1, THHF1, THLF1 e N

Código de símbolos:

HM0	(m)	-	Altura significativa, $Hm0 = 4\sqrt{M0}$;
T02	(s)	-	Período médio, $T02 = \sqrt{\frac{M0}{M2}}$;
M0	(m^2)	-	Momento espectral de ordem zero;
M2	($m^2.s^{-2}$)	-	Momento espectral de ordem dois;
NG		-	Número de grupos utilizados no cálculo dos espectros;
THHF1	(°)	-	Direcção média relativa às altas frequências (períodos menores que 8 segundos);
THLF1	(°)	-	Direcção média relativa às baixas frequências (períodos maiores que 8 segundos);

Utilizando estimadores dos espectros cruzados em 20 bandas de frequência, são determinados os seguintes parâmetros:

TP	(s)	-	Período de pico;
SMAX	($m^2.s$)	-	Máxima ordenada espectral;
THTP1	(°)	-	Direcção média do período de pico;
SPRTP1	(°)	-	Dispersão no período de pico;
N		-	Expoente da distribuição cosseno no período de pico;

As estimativas das ordenadas dos espectros são calculadas pelo método directo de estimação do espectro, aplicando o algoritmo "FAST FOURIER TRANSFORM" aos dados agrupados em blocos de 200 segundos, e efectuando a média sobre todos os blocos considerados válidos. É aplicada a janela cosseno aos primeiros e últimos 64 pontos de cada bloco.

Intervalo de tempo entre valores..... 0.78 s

Número de ordenadas do espectro 127

Resolução em frequência do espectro..... 0.005 Hz

Frequência de corte do espectro..... 0.635 Hz

Número de graus de liberdade ..... 2 * NG

NOTA: Todas as direcções apresentadas estão referidas ao Norte verdadeiro.

DIA	HORA	NG	HM0 (m)	T02 (s)	TP (s)	SMAX (m2.s)	THTP1 (graus)	SPRTP1 (graus)	THHF1 (graus)	THLF1 (graus)	N
01	00-00	9	3.30	8.0	14.3	14.664	349	25	12	348	22.1
01	09-00	9	3.57	7.2	12.5	20.114	350	21	22	347	25.8
01	12-00	9	3.43	6.7	12.5	13.691	345	26	25	353	8.9
01	15-00	9	3.38	6.8	12.5	12.733	343	28	23	347	6.8
01	21-00	9	3.25	6.4	12.5	8.487	346	31	28	352	7.8
02	03-00	9	3.05	6.7	12.5	13.423	347	22	28	357	17.1
02	06-00	9	3.23	6.6	11.8	10.710	350	23	23	356	8.3
02	09-00	9	3.12	6.5	11.1	8.593	347	24	24	1	9.3
02	12-00	9	3.03	6.7	11.8	9.221	357	29	34	5	5.9
02	15-00	9	2.72	6.5	11.1	7.108	350	23	27	8	14.3
02	18-00	9	2.85	6.8	11.1	10.625	353	19	33	9	11.6
02	21-00	9	2.70	6.7	11.1	8.826	358	24	49	14	10.5
03	03-00	9	2.19	6.7	10.0	4.790	358	25	46	26	7.0
03	09-00	9	2.02	6.8	10.5	5.682	6	22	44	27	9.4
03	12-00	9	1.91	6.8	11.1	4.478	6	28	67	34	5.0
03	15-00	9	2.08	7.4	11.1	9.087	15	25	72	38	7.1
03	21-00	9	1.85	6.4	10.5	6.081	14	21	77	43	7.9
04	03-00	9	1.72	5.6	10.0	2.777	14	26	117	57	8.0
04	06-00	9	1.62	5.6	10.5	2.975	20	23	116	62	14.9
04	09-00	9	1.52	5.4	10.5	2.112	14	35	113	62	8.7
04	12-00	9	1.60	5.7	10.0	1.994	22	27	118	79	25.1
04	15-00	9	1.53	5.7	10.0	2.212	22	25	138	82	48.8
04	21-00	9	1.35	5.5	9.1	1.193	17	39	145	87	5.4
05	03-00	9	1.45	6.0	7.0	1.363	193	59	159	81	3.0
05	12-00	9	1.53	5.0	12.5	1.260	20	71	171	76	8.5
05	18-00	9	1.39	5.1	11.8	0.939	356	51	179	63	4.9
05	21-00	9	1.31	5.5	11.1	1.263	344	35	164	358	5.7
06	03-00	9	1.26	6.2	11.1	1.286	347	40	175	303	5.7
06	06-00	9	1.35	6.4	11.1	1.750	348	44	161	321	6.5
06	09-00	9	1.20	6.4	11.1	1.085	332	46	174	331	4.2
06	12-00	9	1.24	6.1	10.5	1.459	353	38	243	119	4.8
06	15-00	9	1.32	6.5	10.5	1.232	346	38	334	184	9.9
06	18-00	9	1.38	5.4	10.0	1.778	332	57	56	120	0.4
06	21-00	9	1.33	5.1	10.0	1.309	332	32	2	326	8.2
07	00-00	9	1.33	5.6	10.0	2.087	334	35	24	7	9.5
07	03-00	9	1.19	5.6	10.5	0.966	355	50	64	97	6.0
07	06-00	9	1.33	6.2	10.0	2.247	355	45	37	113	10.6
07	09-00	9	1.20	6.1	10.0	1.176	310	40	53	172	10.4
07	12-00	9	1.22	5.8	10.0	1.337	326	40	46	359	6.5
07	15-00	9	1.16	5.4	10.0	1.237	354	45	352	77	13.1
07	18-00	9	1.33	5.1	10.0	1.886	342	29	307	13	19.3
07	21-00	9	1.23	5.7	10.0	1.630	344	46	321	336	4.7
08	03-00	9	1.10	6.2	12.5	0.970	170	50	323	211	22.9
08	06-00	9	1.14	5.9	9.1	0.899	7	47	319	85	3.8
08	12-00	9	1.46	4.8	7.0	0.831	312	46	343	329	5.2

DIA	HORA	NG	HM0 (m)	T02 (s)	TP (s)	SMAX (m2.s)	THTP1 (graus)	SPRTP1 (graus)	THHF1 (graus)	THLF1 (graus)	N
08	15-00	9	1.35	4.8	11.8	0.926	351	67	4	355	4.8
09	00-00	9	2.19	6.1	9.1	5.381	309	39	33	340	4.7
09	03-00	9	1.98	5.6	10.5	2.667	334	35	45	349	3.8
09	06-00	9	2.18	6.0	10.0	5.373	344	37	56	350	4.0
09	09-00	9	2.53	6.8	10.5	10.625	336	40	46	2	16.3
09	12-00	9	2.04	6.8	10.5	5.841	316	35	28	339	8.0
09	15-00	9	1.77	6.3	10.5	3.406	337	31	30	347	7.5
09	18-00	9	1.81	6.4	10.5	4.714	349	34	13	357	11.8
09	21-00	8	1.75	5.9	10.5	2.966	354	39	1	355	11.0
10	00-00	9	1.53	6.5	10.5	2.329	321	40	347	340	7.9
10	03-00	9	1.57	7.3	10.0	3.573	335	27	346	343	13.5
10	06-00	9	1.56	6.7	10.5	3.146	357	34	333	358	9.4
10	09-00	9	1.73	6.5	10.5	2.326	357	36	337	359	3.9
10	12-00	9	2.43	7.1	11.8	8.793	324	29	314	326	17.0
10	18-00	9	2.95	8.5	11.8	18.290	345	17	344	344	32.6
10	21-00	9	2.80	8.4	12.5	15.255	343	22	359	347	28.1
11	03-00	9	2.08	7.4	11.8	5.903	325	36	335	328	9.1
11	06-00	8	2.33	8.3	11.1	8.715	336	21	357	341	14.2
11	09-00	9	2.29	8.2	10.5	7.156	338	25	1	347	8.7
11	12-00	9	2.37	8.1	11.1	10.380	339	20	345	342	18.1
11	15-00	8	2.03	8.0	11.1	5.897	340	24	337	344	14.5
11	18-00	9	1.78	8.0	11.1	4.737	340	21	341	343	23.9
11	21-00	9	1.78	7.8	11.1	4.520	339	21	337	344	27.6
12	00-00	9	1.68	6.7	11.1	3.920	338	26	290	346	17.2
12	03-00	9	1.74	6.2	10.5	3.429	340	30	216	347	8.8
12	06-00	9	1.91	6.2	15.4	3.923	5	20	186	349	37.8
12	09-00	9	1.98	5.9	11.8	3.346	345	33	184	348	12.7
12	12-00	9	1.80	5.4	11.8	2.178	341	40	183	344	11.4
12	15-00	9	1.86	5.0	14.3	2.557	357	25	184	342	19.6
12	18-00	9	1.79	5.4	11.1	2.760	347	33	177	342	14.5
12	21-00	9	2.11	6.7	11.1	4.707	344	27	217	345	15.1
13	03-00	9	2.07	5.5	11.1	3.225	344	32	323	346	10.9
13	06-00	9	1.85	5.6	11.8	3.116	348	28	327	348	11.3
13	09-00	9	1.85	6.1	11.8	4.810	351	27	342	349	8.7
13	12-00	9	2.05	6.9	11.1	5.363	343	22	354	349	16.0
13	15-00	9	2.43	7.0	10.5	9.088	342	19	341	348	13.2
13	18-00	9	2.35	7.1	10.0	5.216	340	23	343	344	15.3
14	03-00	9	3.14	9.7	14.3	28.536	346	13	343	338	58.3
14	06-00	9	2.97	9.0	13.3	19.876	347	16	344	344	21.2
14	09-00	9	3.27	10.0	12.5	21.155	347	17	347	345	34.6
14	12-00	9	2.73	8.3	11.1	10.250	346	18	347	349	21.3
14	15-00	9	2.45	7.3	14.3	7.422	352	26	332	350	20.2
14	18-00	9	2.44	7.1	14.3	6.830	356	32	330	349	15.9
14	21-00	9	2.67	6.8	13.3	9.087	346	21	332	349	22.0
15	03-00	9	3.33	7.2	13.3	11.716	353	26	334	343	20.0

DIA	HORA	NG	HM0 (m)	T02 (s)	TP (s)	SMAX (m2.s)	THTP1 (graus)	SPRTP1 (graus)	THHF1 (graus)	THLF1 (graus)	N
15	06-00	9	3.69	7.3	12.5	9.863	346	19	335	345	44.7
15	09-00	9	3.26	6.4	9.1	8.325	341	21	344	349	14.5
15	12-00	9	3.46	6.7	13.3	10.541	344	33	346	342	12.8
15	15-00	9	3.30	6.4	10.0	7.652	332	24	340	346	9.5
15	18-00	9	3.54	6.9	12.5	11.145	345	23	345	346	17.6
15	21-00	9	3.33	6.8	10.0	12.789	337	22	350	343	13.7
16	06-00	9	3.09	6.5	9.1	6.207	341	20	338	352	9.7
16	09-00	9	3.32	6.4	8.0	6.570	341	27	336	350	4.9
16	12-00	9	3.20	6.5	10.5	9.680	337	19	335	339	15.4
16	15-00	9	3.72	6.9	10.5	15.139	348	20	331	358	14.2
16	18-00	9	3.99	7.3	11.1	17.463	349	24	335	351	6.8
16	21-00	9	4.04	7.3	11.1	18.246	345	23	344	348	11.5
17	00-00	9	4.10	7.4	11.8	19.828	359	22	345	357	12.5
17	03-00	9	4.86	8.0	11.8	35.079	3	26	347	7	7.3
17	06-00	9	4.65	7.8	11.8	36.598	1	22	347	360	11.7
17	09-00	9	4.31	7.7	11.8	27.276	3	24	343	5	5.5
17	12-00	9	3.92	7.3	11.8	22.158	10	29	353	8	7.2
17	15-00	9	3.71	7.1	11.1	18.373	9	27	354	16	5.9
17	18-00	9	3.78	7.0	11.1	21.987	11	20	351	6	13.0
17	21-00	9	3.40	6.8	10.5	14.676	6	25	351	7	4.7
18	03-00	9	2.73	7.0	10.5	12.650	12	26	360	23	6.2
18	06-00	9	2.75	7.1	10.5	10.678	10	24	4	28	7.4
18	09-00	9	2.82	7.0	10.0	11.231	15	22	354	17	10.8
18	12-00	9	2.46	6.9	10.5	8.283	18	21	354	29	11.5
18	15-00	9	2.22	6.8	10.0	6.264	26	27	347	23	6.7
18	18-00	9	2.27	6.9	10.5	7.940	16	21	335	28	13.1
18	21-00	9	2.10	6.0	10.5	7.633	20	21	276	10	19.8
19	03-00	9	1.55	4.9	10.0	1.660	13	41	272	23	2.7
19	09-00	9	1.42	5.3	13.3	1.637	355	42	328	12	9.7
19	12-00	9	1.75	5.9	11.8	3.213	359	39	327	8	6.9
19	18-00	9	2.12	6.4	12.5	5.933	9	25	335	3	11.4
19	21-00	9	2.87	7.1	10.5	9.644	358	20	334	2	18.9
20	06-00	9	2.81	8.1	12.5	12.827	356	21	333	358	7.9
20	09-00	9	2.69	7.5	11.8	9.601	358	26	328	359	5.6
20	12-00	9	2.60	7.5	12.5	8.879	354	31	318	354	3.2
20	15-00	9	2.57	8.4	11.8	10.614	354	28	272	354	4.9
20	18-00	9	2.70	8.4	13.3	12.684	360	24	236	346	10.4
21	00-00	9	3.20	9.1	12.5	14.660	342	18	276	347	18.4
21	09-00	9	2.73	7.9	11.8	10.763	344	29	266	350	5.8
21	12-00	9	2.50	7.4	11.8	9.581	346	25	236	351	9.3
21	15-00	9	1.74	6.9	12.5	3.260	359	32	248	353	4.2
21	21-00	9	2.11	8.2	13.3	7.595	13	24	308	352	8.5
22	00-00	9	2.29	7.9	11.1	8.281	359	27	298	4	4.4
22	03-00	9	2.11	8.2	11.1	5.647	3	28	252	2	5.8
22	06-00	9	2.25	8.3	14.3	5.599	15	20	316	9	14.9

DIA	HORA	NG	HM0 (m)	T02 (s)	TP (s)	SMAX (m2.s)	THTP1 (graus)	SPRTP1 (graus)	THHF1 (graus)	THLF1 (graus)	N
22	09-00	9	2.54	8.0	14.3	7.549	17	16	333	7	35.8
22	12-00	9	2.52	7.6	14.3	8.512	16	20	318	4	28.8
22	15-00	9	2.26	7.7	14.3	7.107	14	24	315	4	9.9
22	18-00	9	2.17	7.8	14.3	8.584	12	17	321	5	30.5
22	21-00	9	2.03	7.7	14.3	5.972	17	21	333	5	19.9
23	03-00	9	2.18	8.1	14.3	6.221	13	18	346	2	23.0
23	06-00	9	2.24	7.4	14.3	4.702	15	16	321	5	28.2
23	15-00	9	1.94	7.5	13.3	6.431	11	19	192	5	20.9
23	18-00	9	1.89	6.7	11.8	4.559	9	25	195	7	9.5
23	21-00	9	1.80	6.7	12.5	3.903	10	21	195	11	12.7
24	00-00	9	1.79	6.2	12.5	3.923	23	23	195	11	12.3
24	03-00	9	1.46	6.6	12.5	3.154	11	28	180	10	9.6
24	06-00	9	1.75	6.1	12.5	3.824	13	23	243	355	9.9
24	09-00	9	1.88	5.6	11.8	2.853	14	33	313	4	4.0
24	18-00	9	2.49	5.9	8.0	3.390	338	39	325	353	4.0
25	12-00	9	3.22	6.8	11.8	9.977	15	26	344	9	5.8
25	15-00	9	3.31	7.1	10.0	13.399	7	25	347	12	6.2
25	18-00	9	3.16	7.9	11.1	14.614	18	23	349	14	10.9
25	21-00	9	3.26	8.0	11.8	15.623	31	20	3	26	10.2
26	00-00	9	3.34	8.3	11.8	19.240	15	17	360	16	17.1
26	03-00	9	3.31	8.4	12.5	16.954	20	17	350	17	20.1
26	12-00	9	2.63	8.5	12.5	12.857	27	17	358	23	26.8
26	15-00	9	2.14	7.3	11.1	5.287	22	24	315	26	12.1
26	18-00	9	2.13	8.5	11.8	8.245	26	20	283	27	14.5
26	21-00	9	2.31	9.1	11.8	10.426	30	20	186	38	13.5
27	00-00	9	1.97	8.3	12.5	7.102	35	16	194	34	26.9
27	03-00	9	1.77	7.8	10.5	5.498	28	24	224	34	9.0
27	06-00	9	1.80	8.0	11.8	7.402	28	22	213	40	10.7
27	09-00	9	1.72	7.8	11.8	5.602	36	26	206	45	11.1
27	12-00	9	1.47	6.9	11.8	4.555	33	26	267	44	8.6
27	15-00	9	1.38	6.8	11.1	3.238	29	31	255	38	3.8
27	18-00	9	1.36	6.0	10.0	2.907	33	26	188	55	7.7
27	21-00	9	1.32	5.7	10.5	2.984	31	27	180	54	6.5
28	03-00	9	0.98	4.8	11.1	1.352	24	36	200	28	2.7
28	06-00	9	1.06	4.3	10.0	0.940	33	42	166	33	2.2
28	09-00	9	1.02	4.8	10.5	0.967	14	40	172	4	2.0
28	12-00	9	0.87	4.8	9.1	0.545	26	41	176	10	1.3
28	15-00	9	0.93	4.3	10.0	0.717	18	47	180	2	0.9
28	18-00	9	1.05	4.2	11.8	0.833	333	48	164	359	7.4
28	21-00	9	1.15	4.8	12.5	1.242	340	38	157	4	7.3
29	03-00	9	1.51	4.4	4.9	1.371	166	24	159	358	6.4
29	06-00	9	1.55	4.4	5.5	1.297	164	25	154	4	5.2
29	09-00	9	1.61	4.8	5.5	1.798	166	21	159	2	7.9
29	12-00	9	1.58	4.9	11.8	1.576	354	35	157	349	4.0
29	15-00	9	1.41	5.3	11.1	1.147	338	30	145	359	5.9

PARAMETROS ESPECTRAIS E DIRECCIONAIS TERCEIRA OUT 2006

DIA	HORA	NG	HM0 (m)	T02 (s)	TP (s)	SMAX (m2.s)	THTP1 (graus)	SPRTP1 (graus)	THHF1 (graus)	THLF1 (graus)	N
29	18-00	9	1.34	5.6	13.3	1.389	358	39	144	353	3.1
29	21-00	9	1.41	5.6	12.5	1.676	354	39	150	345	3.6
30	03-00	9	1.33	5.8	11.8	1.419	348	29	126	350	12.1
30	06-00	9	1.35	6.4	12.5	2.225	1	26	118	350	10.4
30	09-00	9	1.48	6.0	11.8	2.779	350	21	109	347	10.0
30	12-00	9	1.72	5.8	10.0	2.712	328	18	104	341	17.3
30	18-00	9	1.73	5.9	11.8	2.059	344	30	84	342	9.4
30	21-00	9	1.90	6.1	9.1	2.679	331	22	80	352	17.0
31	03-00	9	1.81	5.7	10.5	1.856	339	30	82	347	7.5
31	06-00	9	1.65	5.4	10.0	1.473	328	36	87	340	7.9
31	09-00	9	1.89	5.7	7.0	2.405	129	63	96	341	3.4
31	12-00	9	1.77	5.8	7.0	2.129	142	60	108	353	5.4
31	15-00	9	1.78	5.4	7.0	1.423	137	65	88	353	5.0
31	18-00	9	2.09	5.8	8.0	3.578	161	42	88	341	16.9
31	21-00	9	2.33	6.1	9.1	5.385	157	44	95	58	8.5

DIA	HORA	NG	HM0 (m)	T02 (s)	TP (s)	SMAX (m2.s)	THTP1 (graus)	SPRTP1 (graus)	THHF1 (graus)	THLF1 (graus)	N
01	03-00	9	2.03	5.9	8.0	2.601	127	55	80	32	2.0
01	06-00	9	2.07	5.9	9.1	3.573	145	58	90	29	6.8
01	09-00	9	2.12	6.0	9.1	4.419	148	42	85	39	8.6
01	12-00	9	2.01	6.2	8.0	3.204	129	46	98	25	2.1
01	15-00	9	1.98	5.8	8.0	3.855	136	41	97	48	4.2
01	18-00	9	2.03	5.8	8.0	3.507	123	41	72	49	2.3
02	03-00	9	1.93	6.4	8.0	3.478	123	31	86	29	3.9
02	06-00	9	1.95	6.4	7.0	2.417	92	39	64	24	1.7
02	09-00	9	2.17	6.6	8.0	4.081	109	32	57	25	5.3
02	12-00	9	2.28	6.8	14.3	5.415	17	21	57	35	15.5
02	15-00	9	2.20	6.6	14.3	4.555	14	23	70	30	15.6
02	18-00	9	2.21	6.4	13.3	4.677	9	28	47	27	5.1
02	21-00	9	2.39	6.3	13.3	5.852	7	25	50	33	7.1
03	03-00	9	2.56	6.5	9.1	5.531	76	32	47	36	4.4
03	06-00	9	2.55	6.6	13.3	6.208	20	19	36	38	18.2
03	09-00	9	2.59	6.3	11.8	5.336	22	26	30	34	7.6
03	12-00	9	2.74	6.0	9.1	4.702	54	44	24	27	1.2
03	18-00	9	2.64	6.1	8.0	6.434	65	39	42	29	2.8
03	21-00	9	2.88	6.4	8.0	6.050	45	41	41	27	1.6
04	00-00	9	2.83	6.3	10.0	6.312	39	32	34	26	3.9
04	03-00	9	2.43	6.2	8.0	4.601	39	34	43	36	2.2
04	06-00	9	3.08	6.4	9.1	6.979	47	31	39	30	4.1
04	09-00	9	3.01	6.7	10.5	7.702	39	32	44	34	3.7
04	12-00	9	2.88	6.4	10.0	6.623	38	33	20	35	3.5
04	18-00	9	2.73	6.7	10.5	9.176	47	31	45	50	3.6
05	00-00	9	2.92	7.1	10.5	9.673	45	25	53	49	9.4
05	03-00	9	2.64	7.1	10.5	6.322	42	30	46	49	4.1
05	06-00	9	2.79	7.1	11.8	8.938	60	22	48	52	15.3
05	09-00	9	2.82	7.1	11.1	10.400	53	17	46	53	20.0
05	12-00	9	2.44	6.5	11.8	5.324	55	27	27	48	9.6
05	15-00	9	2.36	7.6	11.8	6.729	51	27	41	59	10.2
05	18-00	9	2.38	7.4	11.8	6.229	55	24	56	60	19.2
05	21-00	9	2.54	6.8	11.1	6.953	51	24	43	55	12.3
06	03-00	9	2.25	7.4	11.1	6.359	52	25	50	61	15.9
06	06-00	9	2.00	6.9	10.5	4.737	56	22	41	63	12.1
06	09-00	9	2.33	7.4	11.1	9.184	57	17	49	60	22.2
06	12-00	9	1.95	7.0	10.5	4.841	58	21	41	61	13.1
06	15-00	9	1.78	7.5	11.8	4.660	58	31	25	60	14.9
06	18-00	9	1.87	7.7	10.5	4.971	54	22	58	67	13.3
06	21-00	9	2.02	7.6	11.1	8.119	52	24	54	73	10.9
07	03-00	9	1.80	7.9	10.5	5.061	52	27	79	68	11.7
07	06-00	9	1.70	7.6	10.5	3.515	48	34	87	67	6.6
07	09-00	9	1.59	7.2	10.5	3.582	45	32	70	68	4.7
07	12-00	9	1.59	6.9	10.0	4.075	42	31	65	38	4.3
07	15-00	9	1.43	6.0	10.0	2.808	41	39	83	59	1.7

DIA	HORA	NG	HM0 (m)	T02 (s)	TP (s)	SMAX (m2.s)	THTP1 (graus)	SPRTP1 (graus)	THHF1 (graus)	THLF1 (graus)	N
07	18-00	9	1.21	5.9	10.0	1.207	51	44	114	45	2.4
07	21-00	9	1.40	5.9	10.0	1.971	37	33	98	28	2.9
08	00-00	9	1.29	5.3	10.0	1.592	42	38	89	32	2.6
08	06-00	9	1.30	5.0	10.0	1.307	39	45	136	29	1.3
08	12-00	9	1.39	4.7	9.1	1.265	16	42	129	4	0.9
08	15-00	9	1.50	4.8	9.1	1.338	32	42	135	13	1.7
08	18-00	9	1.52	4.8	5.5	1.450	139	32	137	16	2.8
08	21-00	9	1.71	4.8	5.5	2.194	146	35	142	22	2.1
09	00-00	9	2.08	4.9	6.2	3.091	142	38	130	46	1.0
09	03-00	9	2.50	5.7	8.0	6.255	169	37	135	84	4.1
09	06-00	9	2.29	6.0	8.0	4.636	163	34	136	141	4.6
09	09-00	9	2.29	5.7	9.1	4.174	174	25	146	135	11.6
09	12-00	8	2.82	5.6	8.0	6.702	152	36	146	118	3.0
09	15-00	9	2.37	5.5	8.0	3.558	148	39	145	109	1.5
09	18-00	9	2.49	6.1	8.0	6.466	162	31	154	126	7.8
09	21-00	9	2.29	6.3	8.0	7.788	162	25	156	119	7.2
10	03-00	9	2.59	6.0	9.1	6.717	171	26	155	137	8.4
10	06-00	9	2.41	6.3	8.0	5.723	161	29	154	150	5.2
10	09-00	9	2.55	6.5	9.1	8.356	175	35	151	140	6.9
10	15-00	9	2.81	6.9	9.1	11.247	228	71	136	305	6.6
10	18-00	9	2.71	6.8	10.0	6.910	331	38	139	332	13.9
10	21-00	9	2.89	7.1	10.5	10.796	337	24	137	352	27.2
11	00-00	9	2.79	7.2	10.5	10.709	339	21	134	329	25.7
11	03-00	9	2.76	6.8	10.5	9.524	341	26	113	343	15.7
11	06-00	9	2.70	6.5	10.5	9.277	341	20	111	358	24.1
11	09-00	9	2.51	6.2	10.0	6.081	344	26	113	348	18.0
11	12-00	9	2.96	6.2	10.5	7.865	347	23	105	13	19.5
11	15-00	9	2.78	6.0	9.1	5.753	351	68	107	16	11.4
13	12-00	9	1.80	5.8	9.1	2.154	123	51	112	23	2.2
13	15-00	9	1.65	6.3	8.0	2.644	113	35	100	16	4.0
13	18-00	9	1.61	6.3	8.0	1.926	112	40	95	22	1.3
13	21-00	9	1.57	6.2	8.0	2.062	112	36	93	30	3.2
14	00-00	9	1.54	6.1	8.0	1.788	125	32	97	27	3.9
14	03-00	9	1.53	6.1	8.0	1.816	109	34	94	15	2.8
14	06-00	9	1.38	6.4	8.0	1.252	119	41	120	1	4.5
14	09-00	9	1.21	6.5	13.3	0.988	350	26	97	360	11.8
14	12-00	9	1.33	7.0	13.3	1.675	339	31	89	1	11.2
14	15-00	9	1.34	6.8	13.3	2.170	351	27	85	3	11.9
14	18-00	9	1.57	6.9	13.3	3.610	347	27	73	356	22.2
15	03-00	9	2.61	5.6	6.2	4.615	344	25	354	345	8.5
15	06-00	9	3.39	6.4	8.0	8.893	342	23	349	350	9.6
15	09-00	9	3.90	7.2	14.3	14.014	350	23	346	349	20.3
15	12-00	9	3.77	7.3	9.1	12.509	341	24	358	349	5.3
15	15-00	9	4.17	7.9	10.0	18.545	346	18	349	352	12.7
15	18-00	9	4.36	8.5	14.3	30.915	358	22	343	351	23.3

DIA	HORA	NG	HM0 (m)	T02 (s)	TP (s)	SMAX (m2.s)	THTP1 (graus)	SPRTP1 (graus)	THHF1 (graus)	THLF1 (graus)	N
15	21-00	9	4.52	8.2	14.3	35.466	352	24	344	349	31.3
16	00-00	9	4.88	8.3	14.3	31.236	353	20	347	349	32.9
16	03-00	9	4.25	7.7	14.3	20.204	353	24	352	350	21.4
16	06-00	9	4.61	8.2	14.3	24.084	354	22	352	351	18.9
16	09-00	9	4.04	7.9	14.3	19.952	348	29	350	347	14.1
16	12-00	9	3.47	7.9	15.4	13.763	350	25	355	349	36.5
16	15-00	9	3.88	8.6	14.3	23.725	351	21	348	348	21.9
16	18-00	9	3.81	8.3	14.3	23.178	357	22	342	355	9.8
16	21-00	9	4.15	8.4	12.5	25.679	356	19	336	356	24.5
17	00-00	9	3.95	8.3	13.3	20.310	359	21	336	357	17.3
17	03-00	9	3.43	7.7	14.3	13.701	2	25	334	356	10.8
17	06-00	9	3.61	8.2	14.3	15.002	6	33	335	359	8.5
17	09-00	9	3.76	8.9	13.3	21.434	3	18	336	357	13.7
17	12-00	9	3.52	8.5	14.3	13.877	13	26	343	359	7.1
17	15-00	9	3.39	8.6	13.3	19.124	358	19	337	356	20.8
17	18-00	9	3.04	8.2	11.8	11.380	348	23	338	356	8.8
17	21-00	9	3.41	8.7	12.5	17.577	356	20	342	1	9.5
18	03-00	9	2.63	7.4	11.8	9.224	351	25	277	357	5.8
18	06-00	9	3.05	8.3	11.1	11.820	346	22	314	359	6.9
18	09-00	9	3.40	8.8	11.1	15.902	343	19	331	354	11.0
18	12-00	9	3.31	8.2	16.7	11.660	22	26	335	353	11.9
18	15-00	9	2.58	7.8	16.7	8.561	14	24	337	349	12.4
18	18-00	9	3.11	7.3	16.7	13.797	17	21	1	358	21.3
18	21-00	9	3.63	7.1	14.3	11.886	16	25	15	358	21.6
19	03-00	9	3.31	7.5	15.4	11.445	15	36	25	5	12.4
19	06-00	9	3.48	7.7	16.7	11.740	22	37	27	9	16.0
19	09-00	9	3.57	8.4	14.3	17.799	16	18	23	11	22.1
19	12-00	9	2.98	7.5	12.5	8.372	8	21	21	6	14.5
19	15-00	9	2.60	7.5	15.4	9.007	14	32	29	8	21.5
19	18-00	9	2.50	8.2	15.4	11.381	23	38	46	15	14.2
19	21-00	9	2.60	8.5	14.3	10.266	14	19	30	8	33.1
20	03-00	9	1.96	7.3	14.3	3.858	16	48	53	21	8.2
20	06-00	9	1.76	7.4	14.3	4.749	22	44	62	22	15.1
20	09-00	9	1.75	7.3	13.3	3.501	19	28	49	17	13.4
20	12-00	9	1.61	7.4	14.3	2.644	26	57	37	17	7.9
20	15-00	9	1.52	7.5	11.1	2.665	355	26	47	13	9.1
20	18-00	9	1.61	7.8	11.1	2.883	353	26	62	13	9.6
20	21-00	9	1.71	7.8	11.8	3.752	349	23	48	4	17.9
21	03-00	9	1.59	7.8	11.8	3.120	344	22	63	354	15.5
21	06-00	9	1.58	8.1	12.5	2.751	349	29	62	358	13.2
21	09-00	9	1.52	7.8	11.1	2.285	343	22	43	6	11.3
21	12-00	9	1.53	7.7	11.1	2.576	347	22	46	15	9.0
21	15-00	9	1.55	7.7	11.1	2.965	341	25	105	15	11.1
21	18-00	9	1.50	7.4	10.5	2.032	338	30	116	19	8.8
21	21-00	8	1.41	7.3	10.0	1.364	353	41	94	27	7.7

DIA	HORA	NG	HM0 (m)	T02 (s)	TP (s)	SMAX (m2.s)	THTP1 (graus)	SPRTP1 (graus)	THHF1 (graus)	THLF1 (graus)	N
22	00-00	9	1.41	7.5	15.4	1.395	47	65	112	16	5.9
22	03-00	9	1.39	7.8	13.3	1.486	17	48	134	19	9.7
22	06-00	9	1.47	7.2	13.3	2.051	24	41	151	36	7.4
22	09-00	9	1.51	7.4	14.3	2.815	31	55	172	30	7.6
22	12-00	9	1.68	6.9	14.3	3.930	31	41	297	23	6.5
22	15-00	9	1.57	6.5	13.3	3.000	12	41	215	12	10.9
22	18-00	9	1.66	6.1	14.3	2.239	83	69	227	21	3.9
22	21-00	9	1.75	5.7	8.0	2.344	324	42	249	19	9.9
23	00-00	9	2.12	6.2	11.8	2.955	359	34	319	359	6.5
23	03-00	9	1.90	6.1	11.1	3.199	348	32	323	1	15.9
23	06-00	9	1.92	6.6	12.5	3.484	359	43	330	351	4.8
23	09-00	9	2.37	7.5	10.5	5.486	345	25	347	354	7.3
23	12-00	9	2.49	7.7	11.1	8.317	347	18	335	351	19.5
23	15-00	9	3.18	8.5	13.3	18.996	347	23	325	344	18.7
23	21-00	9	3.73	8.4	12.5	25.271	346	20	327	347	15.7
24	00-00	9	3.73	7.8	12.5	22.831	341	19	318	343	21.2
24	03-00	9	4.51	7.7	11.8	32.169	335	22	318	339	17.8
24	05-13	9	5.38	8.7	12.5	56.138	334	16	326	337	33.1
24	05-44	9	4.91	8.6	13.3	40.819	336	23	329	337	12.2
24	06-35	9	5.59	9.3	12.5	57.115	337	15	327	340	28.1
24	07-06	9	5.10	9.1	14.3	36.907	342	18	331	338	20.6
24	07-36	8	5.33	9.2	13.3	49.029	336	17	332	338	16.9
24	08-07	9	5.19	9.2	14.3	41.438	345	17	337	339	28.0
24	08-58	9	5.45	9.2	14.3	57.401	337	16	345	340	22.5
24	09-29	9	5.02	8.6	11.8	33.303	339	16	332	338	16.2
24	10-11	9	5.83	9.2	14.3	61.248	342	16	331	340	28.1
24	10-41	9	5.36	8.9	14.3	39.513	342	16	330	343	33.1
24	11-12	9	5.39	8.9	15.4	40.993	340	15	332	340	37.0
24	12-00	9	4.71	8.4	14.3	33.429	345	23	341	341	16.9
24	12-41	9	4.78	8.5	15.4	35.442	343	21	342	344	31.9
24	13-22	9	5.07	8.7	15.4	36.709	342	20	337	342	32.4
24	14-04	9	4.89	8.3	14.3	33.033	341	21	332	339	20.5
24	15-00	9	4.83	8.4	14.3	29.543	338	18	331	338	33.8
24	15-51	9	5.25	9.0	14.3	51.363	340	17	331	339	50.0
24	17-36	9	5.39	8.9	15.4	44.946	338	15	340	337	55.7
24	20-39	9	5.04	8.7	15.4	30.380	342	18	341	339	33.6
24	21-31	9	4.86	8.3	14.3	25.289	341	23	345	342	19.0
24	22-22	9	5.55	8.7	15.4	35.851	341	18	351	342	68.4
24	22-53	9	4.97	8.6	14.3	32.753	346	21	351	344	50.3
25	01-08	9	5.04	8.7	15.4	33.361	343	19	347	341	57.1
25	02-40	9	5.02	8.8	16.7	35.081	344	20	343	336	39.0
25	03-32	9	4.99	8.7	16.7	25.509	342	23	337	340	57.1
25	05-36	9	4.78	8.6	13.3	27.317	334	23	345	337	28.3
25	09-00	9	4.24	8.8	15.4	26.249	347	23	350	345	29.0
25	15-00	9	4.20	9.7	15.4	26.312	345	18	334	343	23.2

DIA	HORA	NG	HM0 (m)	T02 (s)	TP (s)	SMAX (m2.s)	THTP1 (graus)	SPRTP1 (graus)	THHF1 (graus)	THLF1 (graus)	N
25	18-00	9	4.09	9.5	15.4	25.011	346	19	236	344	28.8
25	21-00	9	4.08	9.2	13.3	27.097	345	19	218	347	24.4
26	03-00	9	2.85	6.9	14.3	11.132	353	19	236	342	18.4
26	06-00	9	2.66	6.6	13.3	7.008	345	25	267	326	14.8
26	09-00	9	2.61	7.1	12.5	9.023	331	20	299	324	20.7
27	09-31	9	4.92	9.3	15.4	48.558	348	22	340	342	23.0
27	12-00	9	4.42	9.0	15.4	27.852	346	23	346	346	19.4
27	15-00	9	4.27	9.2	14.3	34.862	342	20	340	340	32.4
27	18-00	9	4.04	8.9	15.4	24.102	346	22	342	340	29.2
27	21-00	9	3.69	9.1	13.3	20.287	343	21	356	346	12.3
28	00-00	9	4.47	9.7	13.3	33.942	350	20	11	347	17.3
28	03-00	9	4.61	10.0	13.3	40.427	351	12	6	350	37.7
28	06-00	9	4.25	10.3	14.3	38.044	353	13	360	348	39.2
28	09-00	9	3.34	9.4	14.3	21.411	349	15	15	350	36.6
28	18-00	9	3.32	9.6	13.3	17.715	344	16	21	347	26.7
28	21-00	9	2.87	7.3	13.3	13.196	343	19	133	346	20.6
29	03-00	9	3.40	6.1	13.3	10.366	345	21	153	1	17.5
29	06-00	9	4.32	6.9	8.0	26.629	163	21	154	27	12.2
29	12-00	9	4.46	7.0	9.1	26.296	170	20	163	141	14.9
29	13-14	9	4.81	7.4	10.0	40.742	168	18	168	150	16.5
29	15-00	9	4.55	7.2	10.0	36.142	161	20	175	143	10.5
29	21-00	9	3.60	8.1	10.5	23.966	177	31	328	162	10.0
30	00-00	9	3.14	8.0	10.5	18.908	172	29	114	160	12.5
30	03-00	9	3.29	7.7	10.5	13.707	176	36	134	200	9.9
30	06-00	9	3.12	7.5	12.5	9.829	337	43	140	184	15.2
30	09-00	9	3.11	7.6	11.8	10.737	336	39	313	322	13.3
30	12-00	9	3.22	7.5	10.5	13.070	321	55	329	338	9.3
30	15-00	9	2.95	7.3	10.5	9.816	338	36	338	347	13.1
30	18-00	9	3.07	7.8	11.1	13.769	336	22	333	342	13.7
30	21-00	9	2.53	7.4	11.1	7.078	335	25	339	346	8.7

DIA	HORA	NG	HM0 (m)	T02 (s)	TP (s)	SMAX (m2.s)	THTP1 (graus)	SPRTP1 (graus)	THHF1 (graus)	THLF1 (graus)	N
01	03-00	9	3.11	7.8	12.5	13.691	340	17	329	342	32.5
01	06-00	9	4.13	8.7	13.3	28.070	341	14	337	341	40.8
01	09-00	9	3.42	8.2	14.3	14.989	340	21	335	340	24.6
01	12-00	9	3.18	7.9	14.3	18.195	336	17	334	339	24.1
01	15-00	9	3.11	8.7	14.3	16.827	339	16	341	338	28.3
01	18-00	9	3.09	8.5	13.3	17.469	340	24	343	341	19.7
01	21-00	9	3.10	9.0	14.3	13.599	350	19	346	343	19.3
02	03-00	9	2.92	8.6	13.3	12.338	347	17	352	347	20.9
02	06-00	9	2.73	8.5	12.5	11.240	345	17	347	348	19.0
02	12-00	9	2.79	9.4	15.4	10.329	347	21	328	342	27.4
02	15-00	9	3.06	9.6	14.3	15.316	349	21	286	344	16.2
02	18-00	9	2.98	9.1	13.3	13.272	346	20	320	347	15.8
02	21-00	9	3.63	8.9	14.3	19.268	353	11	323	346	37.8
03	00-00	9	2.98	8.4	13.3	11.028	346	18	321	342	20.7
03	03-00	9	3.13	9.0	13.3	14.813	344	19	312	343	17.1
03	06-00	9	3.09	8.8	12.5	16.495	342	14	324	341	29.5
03	09-00	9	3.06	8.8	12.5	12.674	338	13	327	342	36.4
03	12-00	9	3.23	8.8	13.3	16.993	342	13	328	339	31.3
03	15-00	9	2.94	8.6	12.5	12.032	340	20	316	341	13.9
03	18-00	9	3.07	8.6	12.5	14.813	345	18	318	344	17.4
04	00-00	9	2.66	8.1	13.3	12.416	346	16	265	344	24.2
04	03-00	9	2.51	7.5	14.3	8.728	348	21	208	341	13.5
04	06-00	9	2.82	7.9	13.3	12.168	348	17	219	344	16.8
04	12-00	9	2.79	7.4	13.3	15.514	351	17	213	341	22.4
04	15-00	9	2.41	7.1	14.3	5.800	341	24	186	336	9.1
04	18-00	9	2.40	7.1	13.3	8.286	335	22	200	334	20.9
04	21-00	9	2.88	7.3	13.3	15.690	343	19	307	334	21.5
05	03-00	9	3.22	7.4	13.3	13.058	339	22	326	339	16.8
05	06-00	9	3.78	7.9	14.3	21.233	343	19	331	340	35.3
05	09-00	9	4.07	8.3	13.3	22.637	342	16	343	342	23.6
05	15-00	9	3.35	8.4	13.3	13.728	341	18	355	340	19.1
05	21-00	9	2.84	8.1	13.3	12.005	349	17	323	346	26.0
06	00-00	9	2.96	8.2	13.3	17.267	343	21	244	343	13.5
06	03-00	9	2.94	9.1	13.3	17.090	346	15	229	346	19.0
06	06-00	9	2.42	8.2	13.3	11.493	344	21	191	348	19.6
06	09-00	9	2.20	7.0	13.3	8.946	349	17	188	353	22.4
06	18-00	9	1.83	6.8	12.5	5.318	349	27	199	347	5.3
06	21-00	9	1.87	6.2	12.5	4.609	356	28	199	351	7.5
07	00-00	9	2.06	5.8	11.8	6.581	345	20	223	345	9.4
07	03-00	9	2.10	6.0	11.8	7.159	343	18	225	337	16.4
07	06-00	9	2.23	7.1	13.3	7.659	352	22	205	340	11.2
07	09-00	9	2.25	7.0	14.3	6.996	347	22	235	336	13.5
07	12-00	9	2.60	6.3	12.5	5.949	344	29	315	339	7.9
07	15-00	9	2.99	6.4	13.3	6.317	333	25	326	334	14.7
07	18-00	9	3.09	6.9	12.5	10.048	335	20	338	335	10.9

DIA	HORA	NG	HM0 (m)	T02 (s)	TP (s)	SMAX (m2.s)	THTP1 (graus)	SPRTP1 (graus)	THHF1 (graus)	THLF1 (graus)	N
07	21-00	9	3.36	7.1	12.5	11.736	340	21	343	338	15.4
08	03-00	9	3.17	7.4	12.5	13.215	339	16	357	344	23.8
08	06-00	9	3.39	7.7	12.5	16.493	337	18	357	344	14.3
08	09-00	9	3.35	7.9	12.5	14.439	343	18	12	352	13.2
08	15-00	9	2.73	7.2	12.5	8.672	355	27	5	356	4.8
08	18-00	9	2.85	7.9	12.5	17.347	348	21	12	355	29.9
09	03-00	9	3.13	8.8	12.5	14.928	353	18	5	358	16.4
09	09-00	9	3.24	9.3	12.5	15.700	6	21	28	6	12.5
09	12-00	9	3.13	9.3	13.3	18.989	5	14	20	4	27.6
09	15-00	9	3.11	8.9	13.3	22.802	4	15	64	6	26.0
09	18-00	9	2.67	8.6	12.5	14.809	358	17	79	9	13.1
09	21-00	9	2.28	8.4	12.5	9.781	9	21	86	14	8.4
10	03-00	9	1.91	6.6	11.8	5.728	359	24	163	9	7.9
10	06-00	9	1.56	6.2	11.8	4.011	15	27	175	18	5.1
10	15-00	9	1.26	4.5	11.1	1.371	16	31	196	22	3.4
10	18-00	9	1.14	4.7	11.8	1.217	26	29	197	24	6.1
10	21-00	9	0.98	5.1	11.1	0.647	21	41	194	27	1.4
11	00-00	9	0.91	5.1	10.5	0.580	355	43	212	18	1.5
11	03-00	9	0.98	4.5	10.5	0.501	339	43	213	353	4.2
11	06-00	9	1.01	4.5	12.5	0.747	344	43	225	344	3.1
11	15-00	9	1.24	5.5	11.8	1.927	336	26	328	340	12.4
12	00-00	9	2.25	9.5	13.3	8.676	339	14	20	341	32.7
12	03-00	9	2.23	9.2	14.3	7.580	339	16	312	343	19.8
12	12-00	9	2.37	8.8	14.3	9.285	346	20	190	341	21.3
12	15-00	9	2.38	7.5	15.4	9.219	354	16	203	348	30.7
12	18-00	9	2.33	7.1	15.4	8.503	354	18	198	347	13.6
12	21-00	9	2.38	7.1	14.3	8.632	351	19	188	347	16.6
13	00-00	9	2.62	7.5	15.4	10.932	356	16	192	348	23.6
13	03-00	9	2.37	6.2	14.3	9.398	354	22	186	349	11.7
13	06-00	9	2.25	6.7	13.3	7.144	349	21	183	344	16.8
13	09-00	9	1.84	5.7	14.3	3.072	356	28	175	13	11.5
13	12-00	9	1.94	5.7	14.3	2.443	357	33	179	34	8.2
13	15-00	9	2.08	5.4	7.0	2.300	186	18	181	31	14.3
13	18-00	9	1.97	5.4	15.4	1.893	359	29	174	34	13.8
13	21-00	9	1.97	5.6	13.3	2.227	346	33	176	20	12.5
14	03-00	9	2.22	5.5	13.3	3.193	351	25	170	350	13.7
14	06-00	9	2.20	5.8	15.4	3.914	356	21	169	22	22.5
14	09-00	9	2.12	6.4	13.3	4.550	355	20	151	21	13.6
14	12-00	9	2.19	6.0	12.5	4.456	336	29	2	356	8.7
14	15-00	9	2.27	7.2	12.5	7.108	348	21	32	342	10.9
14	18-00	9	2.20	7.4	11.8	6.176	340	21	44	346	11.5
14	21-00	9	2.21	6.7	11.8	4.640	336	21	11	338	18.4
15	03-00	9	3.35	6.1	8.0	6.415	356	33	22	344	4.2
15	06-00	9	3.32	6.6	13.3	9.894	333	21	23	343	11.8
15	09-00	9	3.36	6.3	7.0	7.437	25	34	25	347	2.0

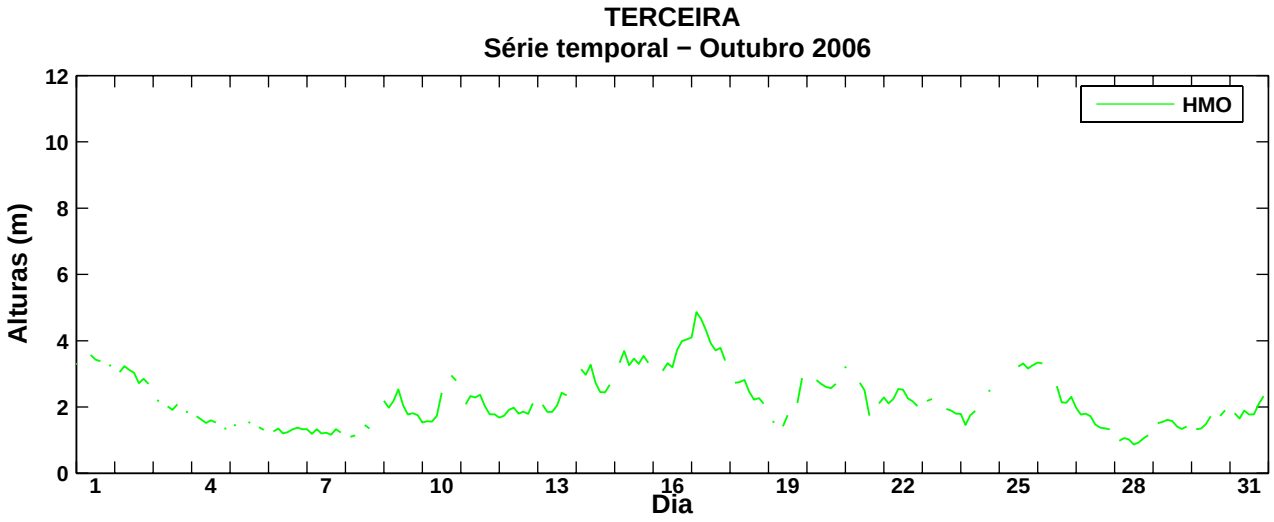
DIA	HORA	NG	HM0 (m)	T02 (s)	TP (s)	SMAX (m2.s)	THTP1 (graus)	SPRTP1 (graus)	THHF1 (graus)	THLF1 (graus)	N
15	12-00	9	3.65	6.5	8.0	10.323	16	30	25	345	4.0
15	15-00	9	3.60	6.4	8.0	10.763	28	32	32	351	2.9
15	18-00	9	3.57	6.3	7.0	10.278	29	31	29	351	3.3
15	21-00	9	3.60	6.4	13.3	12.174	342	19	36	354	14.1
16	03-00	9	3.91	6.5	8.0	16.194	40	32	42	4	2.7
16	06-00	9	4.36	6.9	9.1	21.974	50	30	49	18	4.4
16	09-00	9	4.59	7.0	9.1	30.557	42	29	48	12	3.7
16	18-00	9	4.28	7.1	10.0	22.863	100	71	73	44	4.9
16	21-00	9	4.22	7.1	10.0	22.901	102	67	77	57	2.3
17	00-00	9	3.83	6.6	10.0	13.969	142	61	93	78	4.4
17	03-00	9	3.78	6.7	10.0	15.698	134	66	89	101	4.1
17	06-00	9	3.31	6.5	10.0	11.802	152	50	94	77	4.7
17	09-00	9	3.69	6.7	10.0	15.008	161	38	92	106	9.8
17	15-00	9	3.78	6.8	10.0	20.700	154	31	107	137	11.1
17	18-00	9	3.60	6.7	10.5	16.482	147	38	103	136	8.6
17	21-00	9	3.10	6.7	10.0	10.092	147	30	103	128	9.8
18	03-00	9	2.75	6.3	10.0	8.087	157	29	119	121	14.0
18	09-00	9	2.78	6.0	10.0	7.729	150	37	119	117	6.2
18	12-00	9	3.16	6.2	10.0	8.470	163	39	123	135	3.6
18	15-00	9	3.05	6.1	10.0	7.530	161	38	127	138	2.0
18	18-00	9	3.18	6.1	9.1	8.621	166	27	139	157	5.9
18	21-00	9	3.14	6.0	10.0	7.832	173	33	139	146	3.7
19	03-00	9	2.39	6.2	9.1	6.436	160	34	155	144	1.9
19	09-00	9	2.03	5.9	8.0	3.597	150	34	154	137	2.3
19	12-00	9	1.97	6.2	8.0	3.614	162	35	152	143	3.4
19	15-00	9	1.89	6.6	9.1	3.481	162	40	159	89	1.1
19	21-00	9	1.66	6.0	8.0	2.999	160	33	154	86	4.5
20	03-00	9	1.47	6.5	7.0	2.201	132	35	143	17	2.8
20	06-00	9	1.42	6.3	7.0	1.628	136	39	149	16	2.1
20	09-00	9	1.33	6.1	7.0	1.103	143	44	146	344	1.6
20	15-00	9	1.17	6.4	8.0	0.881	127	60	133	342	2.1
20	18-00	9	1.17	6.3	7.0	0.878	130	56	136	358	1.7
21	03-00	9	1.02	5.6	6.2	0.636	98	59	96	339	0.4
21	06-00	9	1.09	6.1	10.5	0.875	332	29	110	344	8.9
21	12-00	9	1.13	5.2	11.1	1.053	332	23	101	334	13.9
21	15-00	9	1.10	4.8	7.0	0.679	67	48	120	347	1.6
21	18-00	9	1.39	4.8	7.0	0.826	66	40	139	329	1.6
22	00-00	9	1.84	4.8	6.2	2.004	129	36	140	334	1.9
22	03-00	9	2.11	5.1	6.2	3.126	131	38	139	354	1.2
22	06-00	9	2.31	5.5	7.0	6.141	137	31	146	11	3.5
22	09-00	9	2.49	5.5	7.0	5.971	127	32	143	53	3.0
22	12-00	9	2.06	5.1	8.0	2.846	131	44	135	25	1.3
22	15-00	9	2.17	5.5	7.0	3.966	120	39	135	26	0.9
22	18-00	9	2.03	5.7	8.0	3.313	132	38	151	3	1.7
23	00-00	9	1.88	5.8	8.0	2.669	117	51	142	352	0.9

DIA	HORA	NG	HM0 (m)	T02 (s)	TP (s)	SMAX (m2.s)	THTP1 (graus)	SPRTP1 (graus)	THHF1 (graus)	THLF1 (graus)	N
23	03-00	9	1.81	6.2	8.0	2.252	137	51	133	348	2.1
23	06-00	9	2.04	6.6	8.0	3.225	142	39	153	348	2.9
23	09-00	9	2.19	6.5	13.3	3.767	329	25	149	341	17.1
23	12-00	9	2.11	6.2	12.5	5.167	334	16	149	349	28.0
23	15-00	9	1.95	6.4	13.3	4.633	337	14	150	346	36.4
23	21-00	9	1.98	6.3	12.5	3.110	334	24	159	352	16.4
24	03-00	9	1.79	6.4	7.0	2.807	163	40	161	341	3.4
24	06-00	9	2.09	6.7	8.0	6.066	168	37	147	334	9.5
24	09-00	9	2.07	5.9	8.0	4.932	175	41	284	321	9.3
24	15-00	9	1.83	5.5	8.0	3.456	173	42	334	337	5.1
24	18-00	9	1.48	5.3	11.8	1.427	324	21	335	338	12.6
24	21-00	9	1.58	5.8	11.1	1.752	327	24	330	336	12.8
25	03-00	9	1.99	5.7	14.3	2.297	344	21	332	339	20.5
25	06-00	9	2.15	5.9	14.3	4.536	338	23	335	336	17.3
25	12-00	9	2.29	7.3	14.3	7.194	340	19	359	338	28.6
25	18-00	9	2.26	8.2	13.3	10.901	337	13	350	342	57.3
25	21-00	9	1.92	8.0	13.3	6.612	332	19	352	341	26.7
26	03-00	9	1.78	6.6	12.5	5.712	339	22	286	340	19.3
26	06-00	9	1.78	6.7	12.5	5.443	343	16	193	348	33.5
26	09-00	9	1.51	5.8	11.8	2.704	339	29	166	347	6.3
26	12-00	9	1.85	5.0	13.3	1.951	349	29	166	349	15.1
26	15-00	9	2.40	5.2	6.2	4.845	180	21	169	359	8.9
26	18-00	9	2.61	5.6	7.0	5.470	172	24	162	13	7.1
26	21-00	9	3.06	6.5	8.0	14.651	175	18	170	140	11.5
27	03-00	9	2.39	6.3	9.1	6.221	178	39	291	308	10.8
27	06-00	9	1.91	6.1	8.0	2.739	169	46	287	314	7.7
27	12-00	9	1.91	5.8	8.0	2.907	187	57	273	309	5.2
27	15-00	9	2.12	5.6	7.0	3.380	288	67	321	330	4.0
27	18-00	8	1.88	5.8	12.5	2.436	323	27	329	336	18.7
27	21-00	9	1.71	6.2	11.8	2.612	332	29	338	340	11.1
28	00-00	9	1.80	6.6	11.8	2.737	333	26	335	336	11.8
28	03-00	9	1.79	6.6	10.0	2.022	330	24	335	340	11.6
28	09-00	9	1.80	6.1	12.5	3.628	335	27	227	341	13.6
28	12-00	9	1.83	6.0	12.5	3.535	325	28	210	314	11.1
28	15-00	9	1.75	6.0	11.8	2.853	327	31	202	322	19.9
28	18-00	9	1.93	6.4	11.8	4.960	332	19	223	328	38.8
28	21-00	9	1.80	6.4	11.8	3.445	331	18	213	338	42.6
29	03-00	9	2.17	5.6	11.8	4.127	336	20	221	329	30.6
29	06-00	9	2.19	5.8	11.8	7.330	331	16	229	326	28.7
29	09-00	9	2.36	5.5	12.5	4.872	337	20	229	327	18.7
29	12-00	9	2.35	6.6	11.8	6.264	325	21	209	328	24.4
29	18-00	9	2.08	6.0	12.5	4.864	334	21	242	332	28.4
30	06-00	9	2.49	7.6	11.8	6.356	333	20	325	336	27.4
30	09-00	9	2.65	7.7	10.5	6.997	333	17	335	337	20.6
30	12-00	9	2.13	7.3	12.5	4.530	339	22	288	335	10.9

DIA	HORA	NG	HM0 (m)	T02 (s)	TP (s)	SMAX (m2.s)	THTP1 (graus)	SPRTP1 (graus)	THHF1 (graus)	THLF1 (graus)	N
30	15-00	9	2.07	7.3	11.8	4.708	337	23	201	338	9.5
30	18-00	9	2.45	8.0	12.5	10.496	337	14	200	337	42.4
30	21-00	9	2.61	6.1	12.5	8.540	339	17	196	339	30.7
31	00-00	9	2.04	6.6	14.3	3.570	340	21	190	337	28.9
31	03-00	9	1.97	7.3	12.5	4.553	330	22	193	332	37.4
31	06-00	9	2.00	6.7	14.3	5.965	342	22	255	337	32.7
31	12-00	9	2.11	8.0	13.3	7.959	334	19	213	333	29.2
31	15-00	9	2.24	8.3	11.8	6.831	330	18	192	336	20.1
31	18-00	9	2.57	8.4	13.3	11.078	340	15	188	340	32.4
31	21-00	9	2.53	8.6	14.3	6.972	342	20	338	337	17.6

ANEXO E

Gráficos temporais de HM0, T02, TP, THTP1, SPRTP1, THHF1 E THLF1


TERCEIRA
Série temporal − Outubro 2006
HMO
Alturas (m)
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4
6
8
10
12
1
4
7
10
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16
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22
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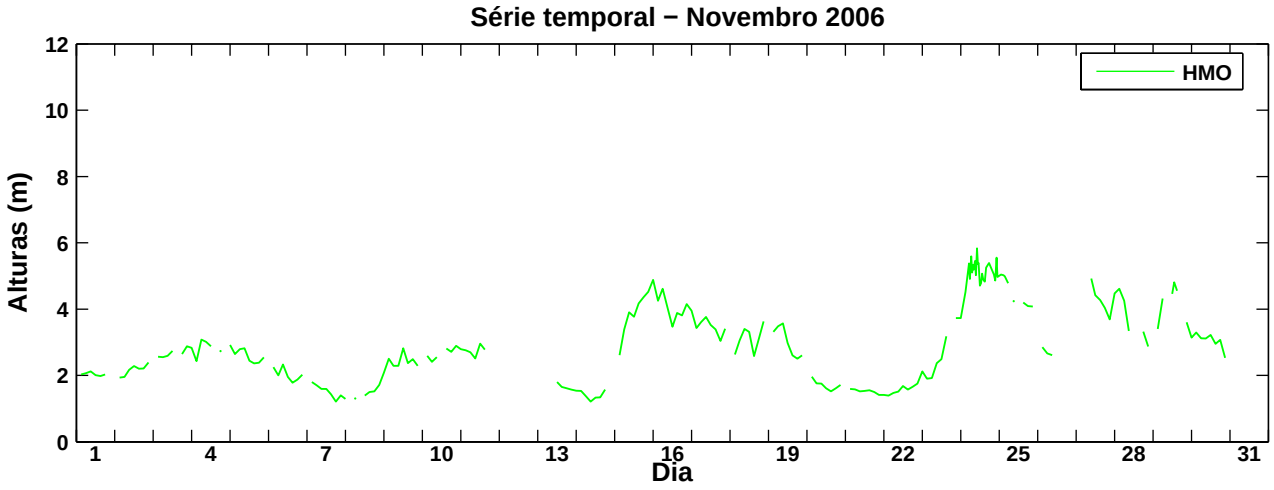
28
31


Série temporal − Novembro 2006
HMO
Alturas (m)
Dia
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4
6
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16
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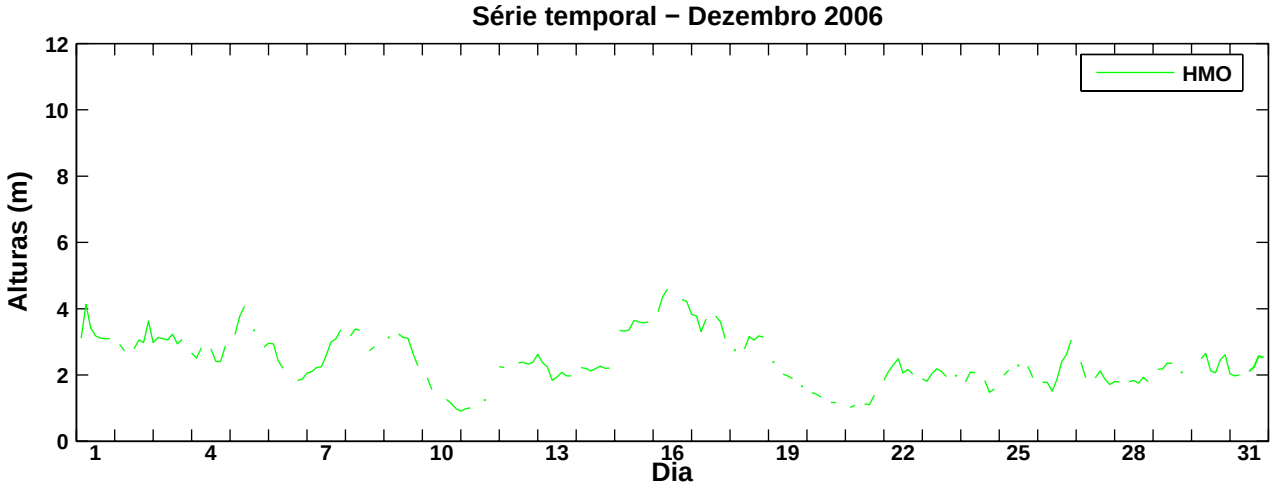
Série temporal − Dezembro 2006
HMO
Alturas (m)
Dia
0
2
4
6
8
10
12
1
4
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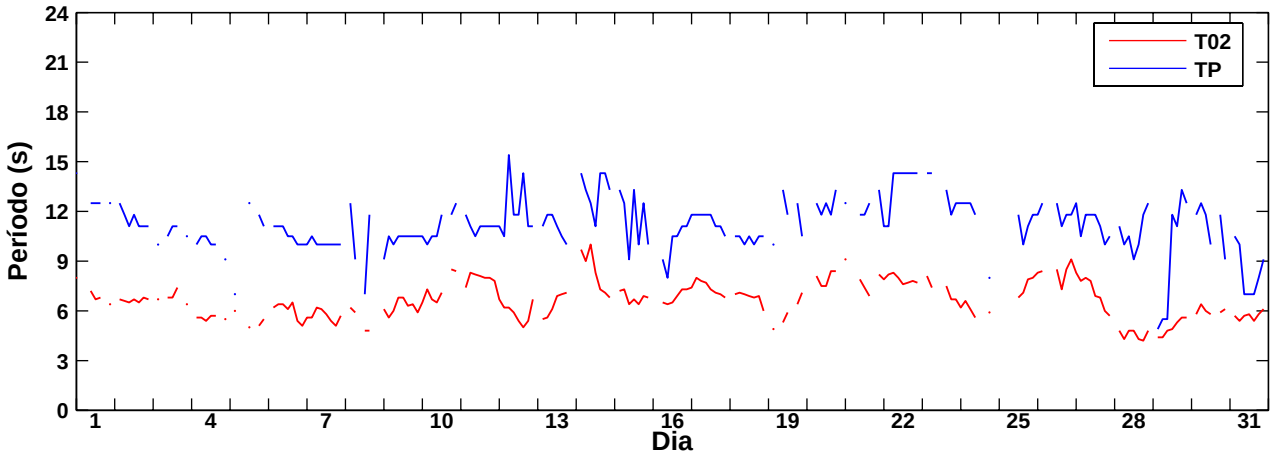
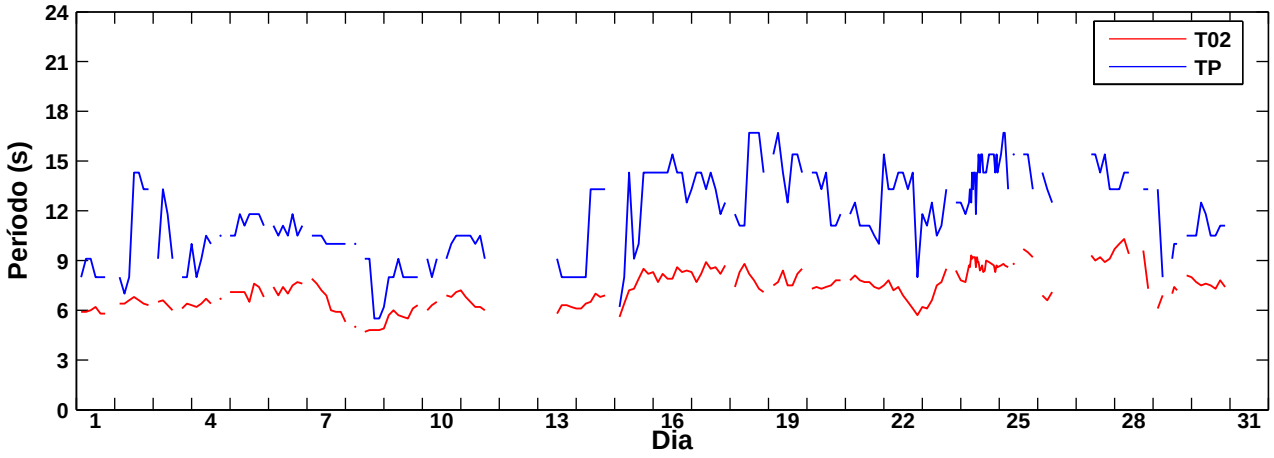
10
13
16
19
22
25
28
31

TERCEIRA

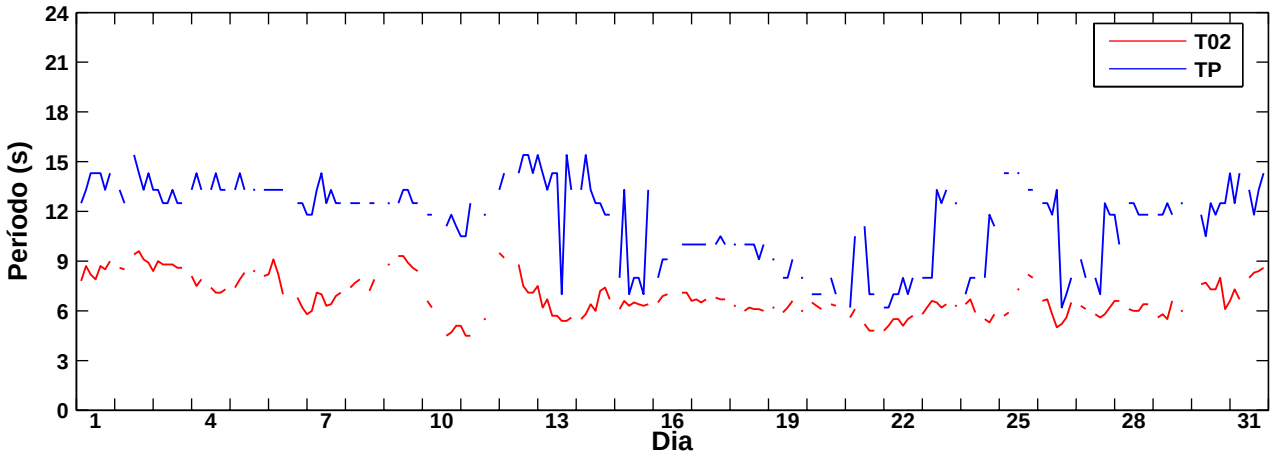
Séries temporais − Outubro 2006



Séries temporais − Novembro 2006



Séries temporais − Dezembro 2006



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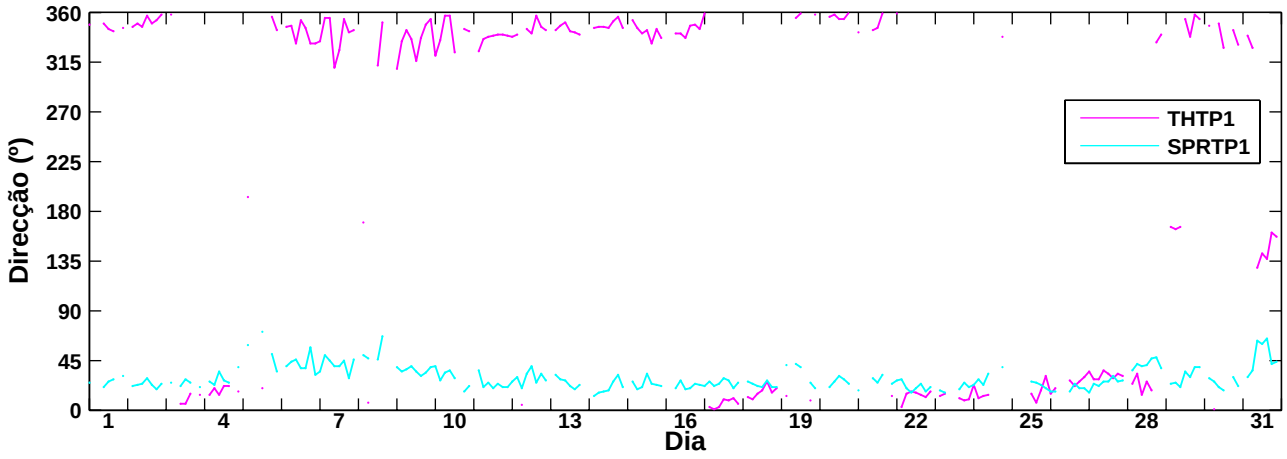
Séries temporais − Outubro 2006



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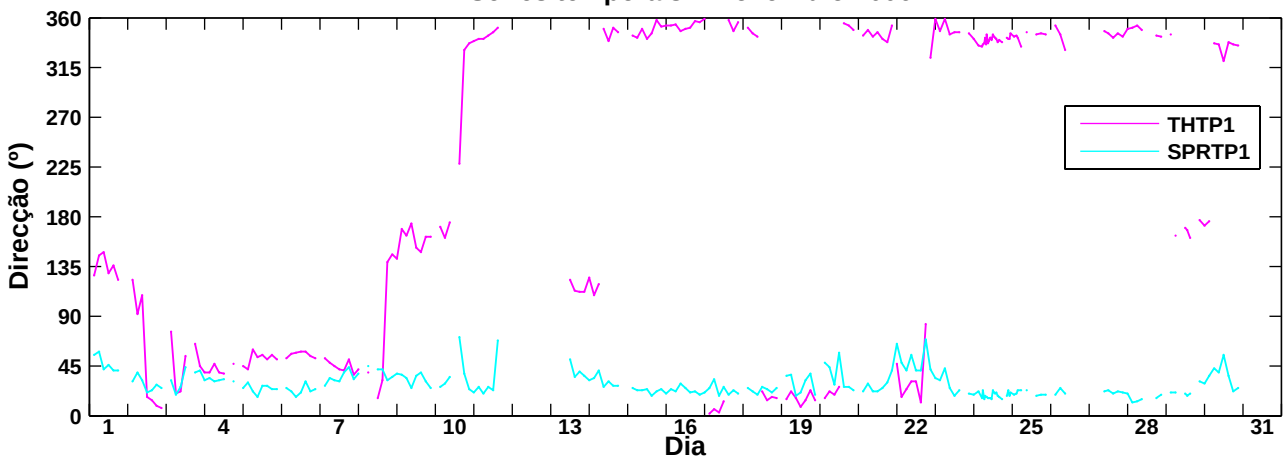

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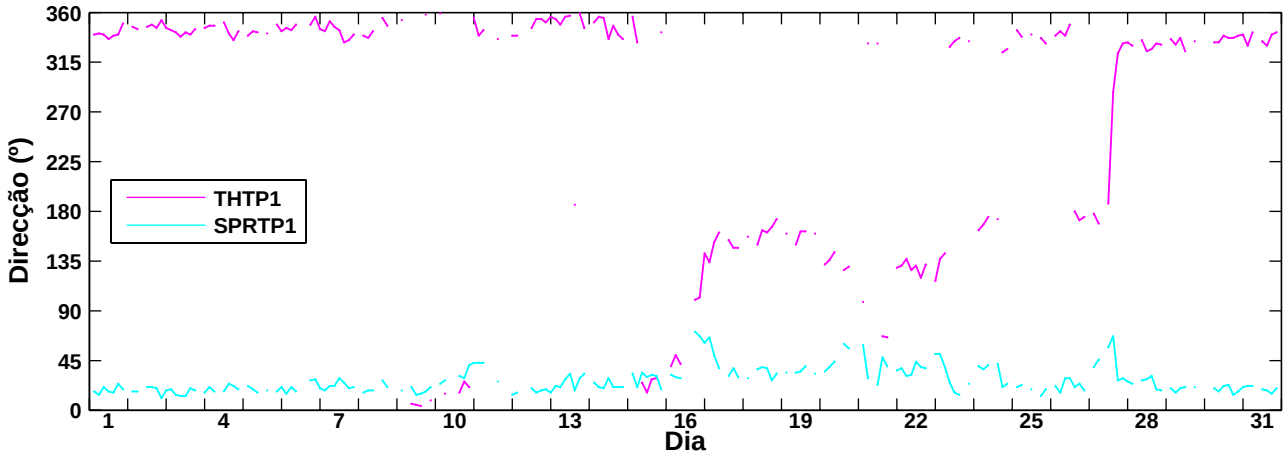
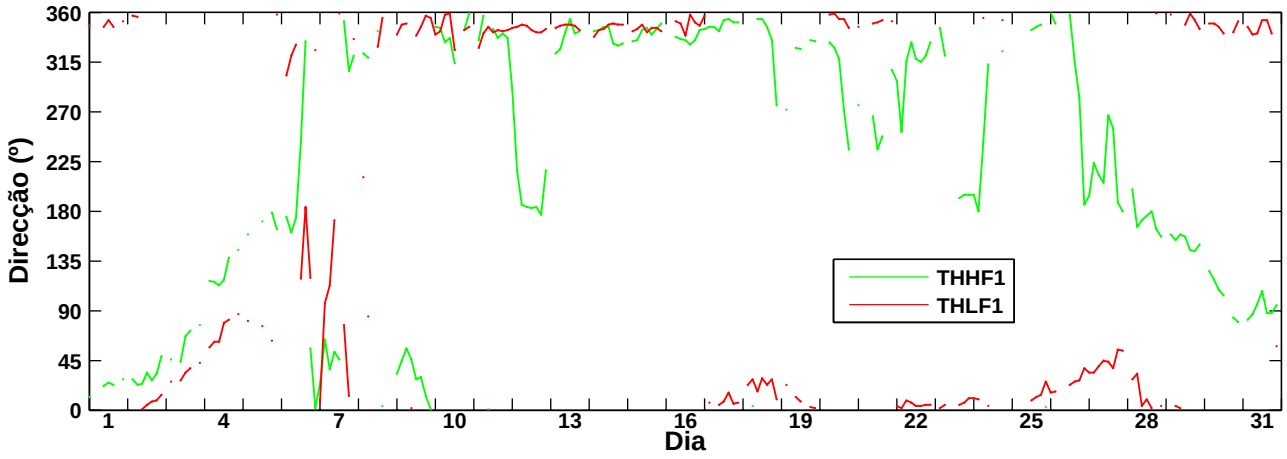
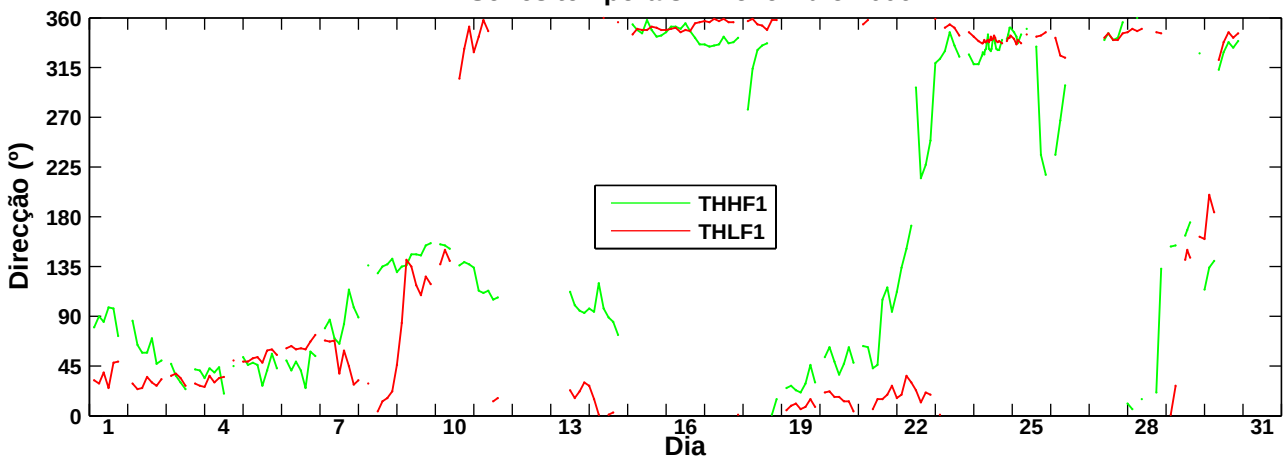


TERCEIRA

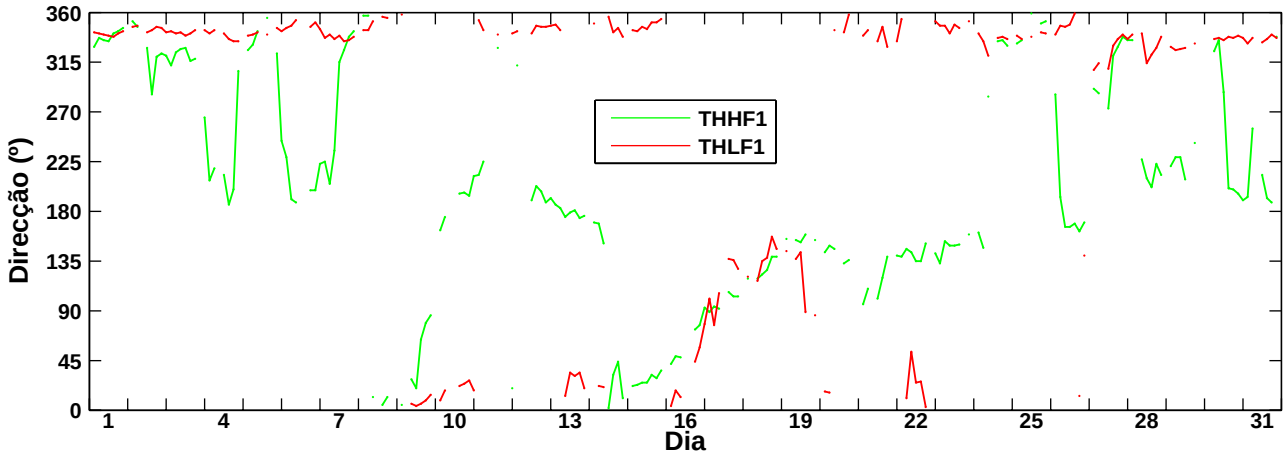
Séries temporais − Outubro 2006



Séries temporais − Novembro 2006



Séries temporais − Dezembro 2006



ANEXO F

Tabelas de ocorrências conjuntas HM0-T02, HM0-TP, HM0-THTP1 e TP-THTP1

TABELA DE OCORRENCIAS CONJUNTAS TERCEIRA OUT 2006

T02 / HM0	< 3	3 4	4 5	5 6	6 7	7 8	8 9	9 10	10 11	11 12	12 13	13 14	14 15	15 16	16 17	17 18	>18	SOMA	%	MED
0.0- 0.5																				
0.5- 1.0			3															3	1.5	4.6
1.0- 1.5			6	18	15													39	20.0	5.7
1.5- 2.0			5	22	17	5	3											52	26.7	6.1
2.0- 2.5				3	13	13	9	1										39	20.0	7.2
2.5- 3.0					5	9	8	1										23	11.8	7.6
3.0- 3.5					16	3	4	2	1									26	13.3	7.3
3.5- 4.0					2	6												8	4.1	7.1
4.0- 4.5						3												3	1.5	7.5
4.5- 5.0						1	1											2	1.0	7.9
5.0- 5.5																				
5.5- 6.0																				
6.0- 6.5																				
6.5- 7.0																				
7.0- 7.5																				
7.5- 8.0																				
8.0- 8.5																				
8.5- 9.0																				
9.0- 9.5																				
9.5-10.0																				
10.0-10.5																				
10.5-11.0																				
11.0-11.5																				
11.5-12.0																				
12.0-12.5																				
12.5-13.0																				
13.0-13.5																				
13.5-14.0																				
14.0-14.5																				
14.5-15.0																				
>15.0																				
SOMA			14	43	68	40	25	4	1									195	100	
%			7.2	22.1	34.9	20.5	12.8	2.1	0.5									100		
MED			1.3	1.6	2.2	2.8	2.6	2.9	3.3											

T02

MED 6.6 MIN 4.2 MAX 10.0

DES.PAD 1.1 ASSIM 0.19 CURT 2.71

HM0

MED 2.20 MIN 0.87 MAX 4.86

DES.PAD 0.82 ASSIM 0.74 CURT 2.95

TABELA DE OCORRENCIAS CONJUNTAS TERCEIRA NOV 2006

T02 / HM0	< 3	3 4	4 5	5 6	6 7	7 8	8 9	9 10	10 11	11 12	12 13	13 14	14 15	15 16	16 17	17 18	>18	SOMA	%	MED
0.0- 0.5																				
0.5- 1.0																				
1.0- 1.5			1	4	4	5												14	6.7	6.4
1.5- 2.0			3	3	14	19	1											40	19.0	6.8
2.0- 2.5			1	5	15	7												28	13.3	6.5
2.5- 3.0				3	21	14	2											40	19.0	6.8
3.0- 3.5					4	10	8	2										24	11.4	7.8
3.5- 4.0						4	9	1										14	6.7	8.2
4.0- 4.5					1	4	4	6	1									16	7.6	8.7
4.5- 5.0						3	12	1	1									17	8.1	8.4
5.0- 5.5							9	5										14	6.7	8.9
5.5- 6.0							1	2										3	1.4	9.1
6.0- 6.5																				
6.5- 7.0																				
7.0- 7.5																				
7.5- 8.0																				
8.0- 8.5																				
8.5- 9.0																				
9.0- 9.5																				
9.5-10.0																				
10.0-10.5																				
10.5-11.0																				
11.0-11.5																				
11.5-12.0																				
12.0-12.5																				
12.5-13.0																				
13.0-13.5																				
13.5-14.0																				
14.0-14.5																				
14.5-15.0																				
>15.0																				
SOMA			5	15	59	66	46	17	2									210	100	
%			2.4	7.1	28.1	31.4	21.9	8.1	1.0									100		
MED			1.6	2.0	2.3	2.6	4.2	4.6	4.4											

T02

MED 7.4 MIN 4.7 MAX 10.3

DES.PAD 1.2 ASSIM 0.03 CURT 2.38

HM0

MED 2.98 MIN 1.21 MAX 5.83

DES.PAD 1.21 ASSIM 0.50 CURT 2.15

T02 / HM0	< 3	3 4	4 5	5 6	6 7	7 8	8 9	9 10	10 11	11 12	12 13	13 14	14 15	15 16	16 17	17 18	>18	SOMA	%	MED
0.0- 0.5																				
0.5- 1.0			1	2														3	1.6	4.9
1.0- 1.5			5	4	6													15	7.9	5.5
1.5- 2.0			1	12	22	1	1											37	19.5	6.1
2.0- 2.5				18	16	14	7	2										57	30.0	6.7
2.5- 3.0				1	5	8	10	3										27	14.2	7.7
3.0- 3.5					11	7	10	5										33	17.4	7.8
3.5- 4.0					10	1	1											12	6.3	6.9
4.0- 4.5					1	2	2											5	2.6	7.6
4.5- 5.0						1												1	0.5	7.0
5.0- 5.5																				
5.5- 6.0																				
6.0- 6.5																				
6.5- 7.0																				
7.0- 7.5																				
7.5- 8.0																				
8.0- 8.5																				
8.5- 9.0																				
9.0- 9.5																				
9.5-10.0																				
10.0-10.5																				
10.5-11.0																				
11.0-11.5																				
11.5-12.0																				
12.0-12.5																				
12.5-13.0																				
13.0-13.5																				
13.5-14.0																				
14.0-14.5																				
14.5-15.0																				
>15.0																				
SOMA			7	37	71	34	31	10										190	100	
%			3.7	19.5	37.4	17.9	16.3	5.3										100		
MED			1.2	1.9	2.4	2.8	2.9	2.9												

T02			HM0		
MED 6.8	MIN 4.5	MAX 9.6	MED 2.45	MIN 0.91	MAX 4.59
DES.PAD 1.2	ASSIM 0.40	CURT 2.33	DES.PAD 0.76	ASSIM 0.32	CURT 2.73

TABELA DE OCORRENCIAS CONJUNTAS TERCEIRA OUT 2006

TP / HM0	< 3	3 4	4 5	5 6	6 7	7 8	8 9	9 10	10 11	11 12	12 13	13 14	14 15	15 16	16 17	17 18	>18	SOMA	%	MED
0.0- 0.5																				
0.5- 1.0								1	1	1								3	1.5	10.1
1.0- 1.5						2		2	16	12	5	2						39	20.0	10.8
1.5- 2.0			1	2		3		1	20	16	6	1	1	1				52	26.7	10.7
2.0- 2.5							2	2	11	14	1	1	8					39	20.0	11.4
2.5- 3.0									5	9	4	3	2					23	11.8	11.9
3.0- 3.5							1	2	5	7	7	2	2					26	13.3	11.6
3.5- 4.0									1	4	3							8	4.1	11.6
4.0- 4.5										3								3	1.5	11.6
4.5- 5.0										2								2	1.0	11.8
5.0- 5.5																				
5.5- 6.0																				
6.0- 6.5																				
6.5- 7.0																				
7.0- 7.5																				
7.5- 8.0																				
8.0- 8.5																				
8.5- 9.0																				
9.0- 9.5																				
9.5-10.0																				
10.0-10.5																				
10.5-11.0																				
11.0-11.5																				
11.5-12.0																				
12.0-12.5																				
12.5-13.0																				
13.0-13.5																				
13.5-14.0																				
14.0-14.5																				
14.5-15.0																				
>15.0																				
SOMA			1	2		5	3	8	59	68	26	9	13	1				195	100	
%			0.5	1.0		2.6	1.5	4.1	30.3	34.9	13.3	4.6	6.7	0.5				100		
MED			1.5	1.6		1.7	2.6	2.0	1.9	2.4	2.5	2.4	2.4	1.9						

TP

MED 11.2 MIN 4.9 MAX 15.4

DES.PAD 1.7 ASSIM -0.61 CURT 4.73

HM0

MED 2.20 MIN 0.87 MAX 4.86

DES.PAD 0.82 ASSIM 0.74 CURT 2.95

TABELA DE OCORRENCIAS CONJUNTAS TERCEIRA NOV 2006

TP / HM0	< 3	3 4	4 5	5 6	6 7	7 8	8 9	9 10	10 11	11 12	12 13	13 14	14 15	15 16	16 17	17 18	>18	SOMA	%	MED
0.0- 0.5																				
0.5- 1.0																				
1.0- 1.5							1	1	6			5		1				14	6.7	11.4
1.5- 2.0				2		1	8	2	7	9	2	3	6					40	19.0	10.6
2.0- 2.5					1		10	3	2	8		2	2					28	13.3	10.0
2.5- 3.0					1		4	6	13	6	2	3	2	2	1			40	19.0	10.9
3.0- 3.5							1	1	4	5	2	4	2	2	3			24	11.4	12.7
3.5- 4.0								1	1		2	3	7					14	6.7	13.2
4.0- 4.5							1	1	1		1	2	5	5				16	7.6	13.4
4.5- 5.0									2	1		3	8	2	1			17	8.1	13.7
5.0- 5.5										1	1	1	5	5	1			14	6.7	14.5
5.5- 6.0											1		1	1				3	1.4	14.1
6.0- 6.5																				
6.5- 7.0																				
7.0- 7.5																				
7.5- 8.0																				
8.0- 8.5																				
8.5- 9.0																				
9.0- 9.5																				
9.5-10.0																				
10.0-10.5																				
10.5-11.0																				
11.0-11.5																				
11.5-12.0																				
12.0-12.5																				
12.5-13.0																				
13.0-13.5																				
13.5-14.0																				
14.0-14.5																				
14.5-15.0																				
>15.0																				
SOMA				2	2	1	25	15	36	30	11	26	38	18	6			210	100	
%				1.0	1.0	0.5	11.9	7.1	17.1	14.3	5.2	12.4	18.1	8.6	2.9			100		
MED				1.6	2.3	2.0	2.2	2.6	2.5	2.5	3.5	3.0	3.8	4.2	3.7					

TP

MED 11.8 MIN 5.5 MAX 16.7

DES.PAD 2.6 ASSIM -0.18 CURT 2.11

HM0

MED 2.98 MIN 1.21 MAX 5.83

DES.PAD 1.21 ASSIM 0.50 CURT 2.15

TABELA DE OCORRENCIAS CONJUNTAS TERCEIRA DEZ 2006

TP / HM0	< 3	3 4	4 5	5 6	6 7	7 8	8 9	9 10	10 11	11 12	12 13	13 14	14 15	15 16	16 17	17 18	>18	SOMA	%	MED
0.0- 0.5																				
0.5- 1.0									2	1								3	1.6	10.7
1.0- 1.5					1	6	1		1	5	1							15	7.9	9.1
1.5- 2.0					1	1	7	1	1	9	9	4	3	1				37	19.5	11.3
2.0- 2.5					2	5	6	2		10	8	11	10	3				57	30.0	11.7
2.5- 3.0						1			3		7	12	2	2				27	14.2	12.7
3.0- 3.5						1	2	1	5		11	8	5					33	17.4	12.0
3.5- 4.0						1	3		5			1	2					12	6.3	10.3
4.0- 4.5								1	2			2						5	2.6	11.1
4.5- 5.0								1										1	0.5	9.1
5.0- 5.5																				
5.5- 6.0																				
6.0- 6.5																				
6.5- 7.0																				
7.0- 7.5																				
7.5- 8.0																				
8.0- 8.5																				
8.5- 9.0																				
9.0- 9.5																				
9.5-10.0																				
10.0-10.5																				
10.5-11.0																				
11.0-11.5																				
11.5-12.0																				
12.0-12.5																				
12.5-13.0																				
13.0-13.5																				
13.5-14.0																				
14.0-14.5																				
14.5-15.0																				
>15.0																				
SOMA					4	15	19	6	19	25	36	38	22	6				190	100	
%					2.1	7.9	10.0	3.2	10.0	13.2	18.9	20.0	11.6	3.2				100		
MED					1.8	2.0	2.3	3.1	2.9	1.8	2.5	2.7	2.6	2.4						

TP

MED 11.5 MIN 6.2 MAX 15.4

DES.PAD 2.5 ASSIM -0.63 CURT 2.23

HM0

MED 2.45 MIN 0.91 MAX 4.59

DES.PAD 0.76 ASSIM 0.32 CURT 2.73

TABELA DE OCORRENCIAS CONJUNTAS TERCEIRA OUT 2006

THTP1 / HM0	0 30	30 60	60 90	90 120	120 150	150 180	180 210	210 240	240 270	270 300	300 330	330 360	SOMA	%	MED
0.0- 0.5															
0.5- 1.0	3												3	1.5	23
1.0- 1.5	6	4				1	1				3	24	39	20.0	352
1.5- 2.0	18	2			3	3					3	23	52	26.7	2
2.0- 2.5	17	1				2					4	15	39	20.0	359
2.5- 3.0	6											17	23	11.8	357
3.0- 3.5	6	1										19	26	13.3	353
3.5- 4.0	3											5	8	4.1	356
4.0- 4.5	1											2	3	1.5	356
4.5- 5.0	2												2	1.0	2
5.0- 5.5															
5.5- 6.0															
6.0- 6.5															
6.5- 7.0															
7.0- 7.5															
7.5- 8.0															
8.0- 8.5															
8.5- 9.0															
9.0- 9.5															
9.5-10.0															
10.0-10.5															
10.5-11.0															
11.0-11.5															
11.5-12.0															
12.0-12.5															
12.5-13.0															
13.0-13.5															
13.5-14.0															
14.0-14.5															
14.5-15.0															
>15.0															
SOMA	62	8			3	6	1				10	105	195	100	
%	31.8	4.1			1.5	3.1	0.5				5.1	53.8	100		
MED	2.3	1.8			1.8	1.7	1.5				1.8	2.3			

THTP1			HM0		
MED 357	MIN 0	MAX 359	MED 2.20	MIN 0.87	MAX 4.86
DES.PAD 0.56	ASSIM -0.99	CURT 12.32	DES.PAD 0.82	ASSIM 0.74	CURT 2.95

TABELA DE OCORRENCIAS CONJUNTAS TERCEIRA NOV 2006

THTP1 / HM0	0 30	30 60	60 90	90 120	120 150	150 180	180 210	210 240	240 270	270 300	300 330	330 360	SOMA	%	MED
0.0- 0.5															
0.5- 1.0															
1.0- 1.5	3	6		1								4	14	6.7	26
1.5- 2.0	5	10	1	5	6						1	12	40	19.0	40
2.0- 2.5	4	8		1	7	5						3	28	13.3	84
2.5- 3.0	7	9	3			4		1				16	40	19.0	15
3.0- 3.5	5	2				2					1	14	24	11.4	356
3.5- 4.0	5					1						8	14	6.7	357
4.0- 4.5						2						14	16	7.6	349
4.5- 5.0						2						15	17	8.1	344
5.0- 5.5												14	14	6.7	340
5.5- 6.0												3	3	1.4	340
6.0- 6.5															
6.5- 7.0															
7.0- 7.5															
7.5- 8.0															
8.0- 8.5															
8.5- 9.0															
9.0- 9.5															
9.5-10.0															
10.0-10.5															
10.5-11.0															
11.0-11.5															
11.5-12.0															
12.0-12.5															
12.5-13.0															
13.0-13.5															
13.5-14.0															
14.0-14.5															
14.5-15.0															
>15.0															
SOMA	29	35	4	7	13	16		1			2	103	210	100	
%	13.8	16.7	1.9	3.3	6.2	7.6		0.5			1.0	49.0	100		
MED	2.6	2.1	2.4	1.7	1.9	3.1		2.8			2.5	3.6			

THTP1				HM0			
MED	12	MIN 2	MAX 359	MED	2.98	MIN 1.21	MAX 5.83
DES.PAD	0.99	ASSIM -1.38	CURT 2.10	DES.PAD	1.21	ASSIM 0.50	CURT 2.15

TABELA DE OCORRENCIAS CONJUNTAS TERCEIRA DEZ 2006

THTP1 / HM0	0 30	30 60	60 90	90 120	120 150	150 180	180 210	210 240	240 270	270 300	300 330	330 360	SOMA	%	MED
0.0- 0.5															
0.5- 1.0	1											2	3	1.6	358
1.0- 1.5	2		2	1	5						1	4	15	7.9	54
1.5- 2.0	1			1	2	6	1				4	22	37	19.5	343
2.0- 2.5	1				7	5	2			1	2	39	57	30.0	345
2.5- 3.0						3						24	27	14.2	346
3.0- 3.5	4				1	6						22	33	17.4	347
3.5- 4.0	3	1			3	2						3	12	6.3	60
4.0- 4.5		1		2								2	5	2.6	44
4.5- 5.0		1											1	0.5	42
5.0- 5.5															
5.5- 6.0															
6.0- 6.5															
6.5- 7.0															
7.0- 7.5															
7.5- 8.0															
8.0- 8.5															
8.5- 9.0															
9.0- 9.5															
9.5-10.0															
10.0-10.5															
10.5-11.0															
11.0-11.5															
11.5-12.0															
12.0-12.5															
12.5-13.0															
13.0-13.5															
13.5-14.0															
14.0-14.5															
14.5-15.0															
>15.0															
SOMA	12	3	2	4	18	22	3			1	7	118	190	100	
%	6.3	1.6	1.1	2.1	9.5	11.6	1.6			0.5	3.7	62.1	100		
MED	2.6	4.3	1.2	2.9	2.2	2.6	2.1			2.1	1.9	2.5			

THTP1				HM0			
MED	354	MIN 4	MAX 359	MED	2.45	MIN 0.91	MAX 4.59
DES.PAD	1.18	ASSIM -0.96	CURT 2.65	DES.PAD	0.76	ASSIM 0.32	CURT 2.73

TABELA DE OCORRENCIAS CONJUNTAS TERCEIRA OUT 2006

THTP1 / TP	0 30	30 60	60 90	90 120	120 150	150 180	180 210	210 240	240 270	270 300	300 330	330 360	SOMA	%	MED
0.0- 1.0															
1.0- 2.0															
2.0- 3.0															
3.0- 4.0															
4.0- 5.0						1							1	0.5	166
5.0- 6.0						2							2	1.0	165
6.0- 7.0															
7.0- 8.0					3		1				1		5	2.6	156
8.0- 9.0						1						2	3	1.5	338
9.0-10.0	3					1					1	3	8	4.1	353
10.0-11.0	20	3									6	30	59	30.3	355
11.0-12.0	19	4									2	43	68	34.9	356
12.0-13.0	9	1				1						15	26	13.3	360
13.0-14.0	2											7	9	4.6	356
14.0-15.0	8											5	13	6.7	6
15.0-16.0	1												1	0.5	5
16.0-17.0															
17.0-18.0															
>18.0															
SOMA	62	8			3	6	1				10	105	195	100	
%	31.8	4.1			1.5	3.1	0.5				5.1	53.8	100		
MED	11.6	11.3			7.0	7.6	7.0				10.1	11.4			

THTP1			TP		
MED 357	MIN 0	MAX 359	MED 11.2	MIN 4.9	MAX 15.4
DES.PAD 0.56	ASSIM -0.99	CURT 12.32	DES.PAD 1.69	ASSIM -0.61	CURT 4.73

TABELA DE OCORRENCIAS CONJUNTAS TERCEIRA NOV 2006

THTP1 / TP	0 30	30 60	60 90	90 120	120 150	150 180	180 210	210 240	240 270	270 300	300 330	330 360	SOMA	%	MED
0.0- 1.0															
1.0- 2.0															
2.0- 3.0															
3.0- 4.0															
4.0- 5.0															
5.0- 6.0					2								2	1.0	143
6.0- 7.0					1							1	2	1.0	63
7.0- 8.0				1									1	0.5	92
8.0- 9.0		2	1	6	7	7					1	1	25	11.9	124
9.0-10.0	1	3	1		3	4		1				2	15	7.1	109
10.0-11.0		18				5					1	12	36	17.1	25
11.0-12.0	1	9	1									19	30	14.3	8
12.0-13.0	1											10	11	5.2	347
13.0-14.0	8											18	26	12.4	354
14.0-15.0	11	2	1									24	38	18.1	359
15.0-16.0	3	1										14	18	8.6	353
16.0-17.0	4											2	6	2.9	7
17.0-18.0															
>18.0															
SOMA	29	35	4	7	13	16		1			2	103	210	100	
%	13.8	16.7	1.9	3.3	6.2	7.6		0.5			1.0	49.0	100		
MED	14.1	10.7	10.8	7.9	7.7	9.0		9.1			9.2	12.9			

THTP1			TP		
MED 12	MIN 2	MAX 359	MED 11.8	MIN 5.5	MAX 16.7
DES.PAD 0.99	ASSIM -1.38	CURT 2.10	DES.PAD 2.59	ASSIM -0.18	CURT 2.11

TABELA DE OCORRENCIAS CONJUNTAS TERCEIRA DEZ 2006

THTP1 / TP	0 30	30 60	60 90	90 120	120 150	150 180	180 210	210 240	240 270	270 300	300 330	330 360	SOMA	%	MED
0.0- 1.0															
1.0- 2.0															
2.0- 3.0															
3.0- 4.0															
4.0- 5.0															
5.0- 6.0															
6.0- 7.0				1	2		1						4	2.1	134
7.0- 8.0	2		2		7	2	1			1			15	7.9	123
8.0- 9.0	2	1		1	5	8	1					1	19	10.0	140
9.0-10.0		2				4							6	3.2	136
10.0-11.0				2	4	8						5	19	10.0	140
11.0-12.0	4										4	17	25	13.2	341
12.0-13.0	2										2	32	36	18.9	342
13.0-14.0	2										1	35	38	20.0	344
14.0-15.0												22	22	11.6	345
15.0-16.0												6	6	3.2	354
16.0-17.0															
17.0-18.0															
>18.0															
SOMA	12	3	2	4	18	22	3			1	7	118	190	100	
%	6.3	1.6	1.1	2.1	9.5	11.6	1.6			0.5	3.7	62.1	100		
MED	10.6	8.7	7.0	8.6	7.9	8.8	7.1			7.0	12.1	13.0			

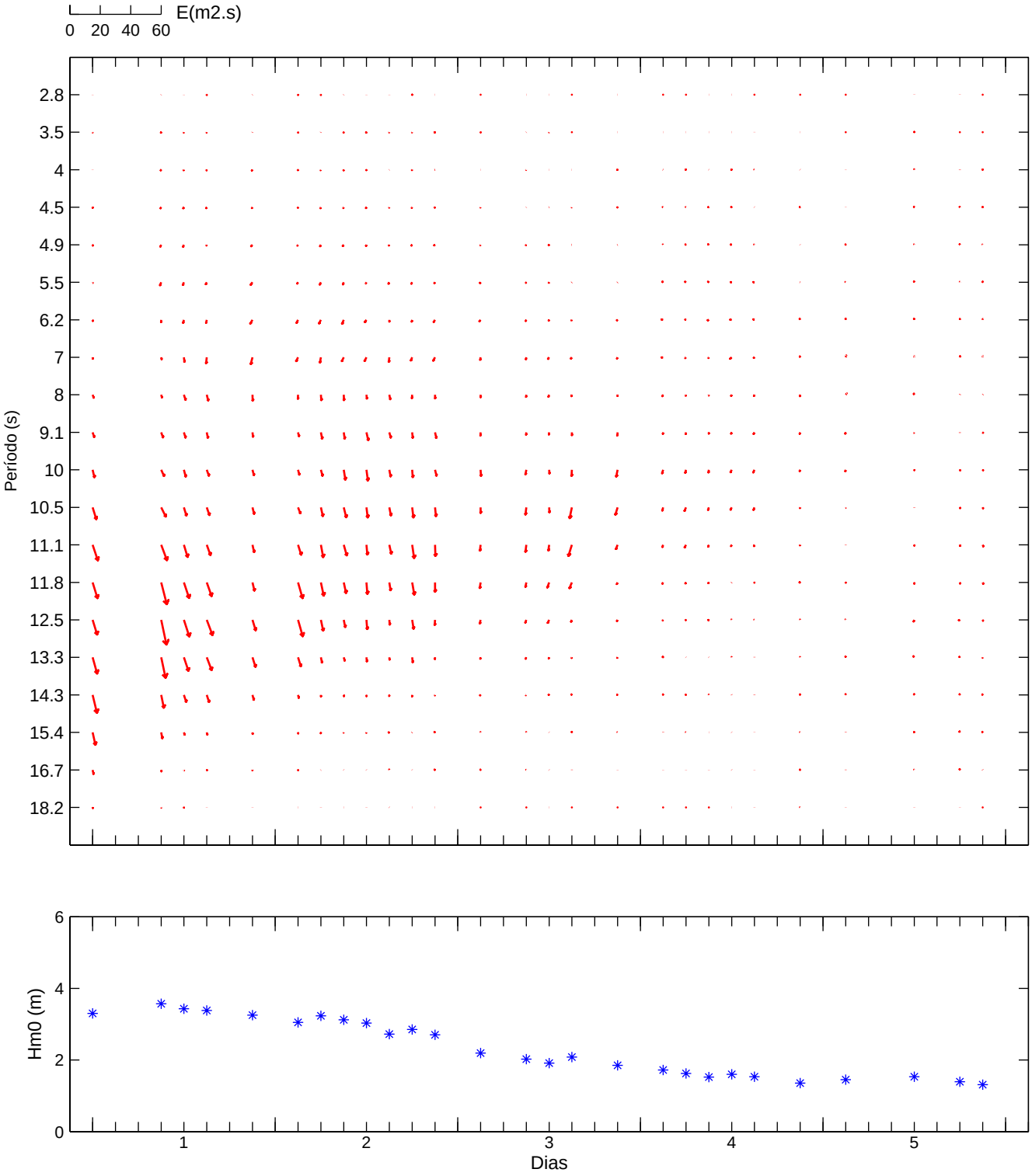
THTP1			TP		
MED 354	MIN 4	MAX 359	MED 11.5	MIN 6.2	MAX 15.4
DES.PAD 1.18	ASSIM -0.96	CURT 2.65	DES.PAD 2.46	ASSIM -0.63	CURT 2.23

ANEXO G

Evolução temporal da distribuição de energia e da direcção média por banda de frequência

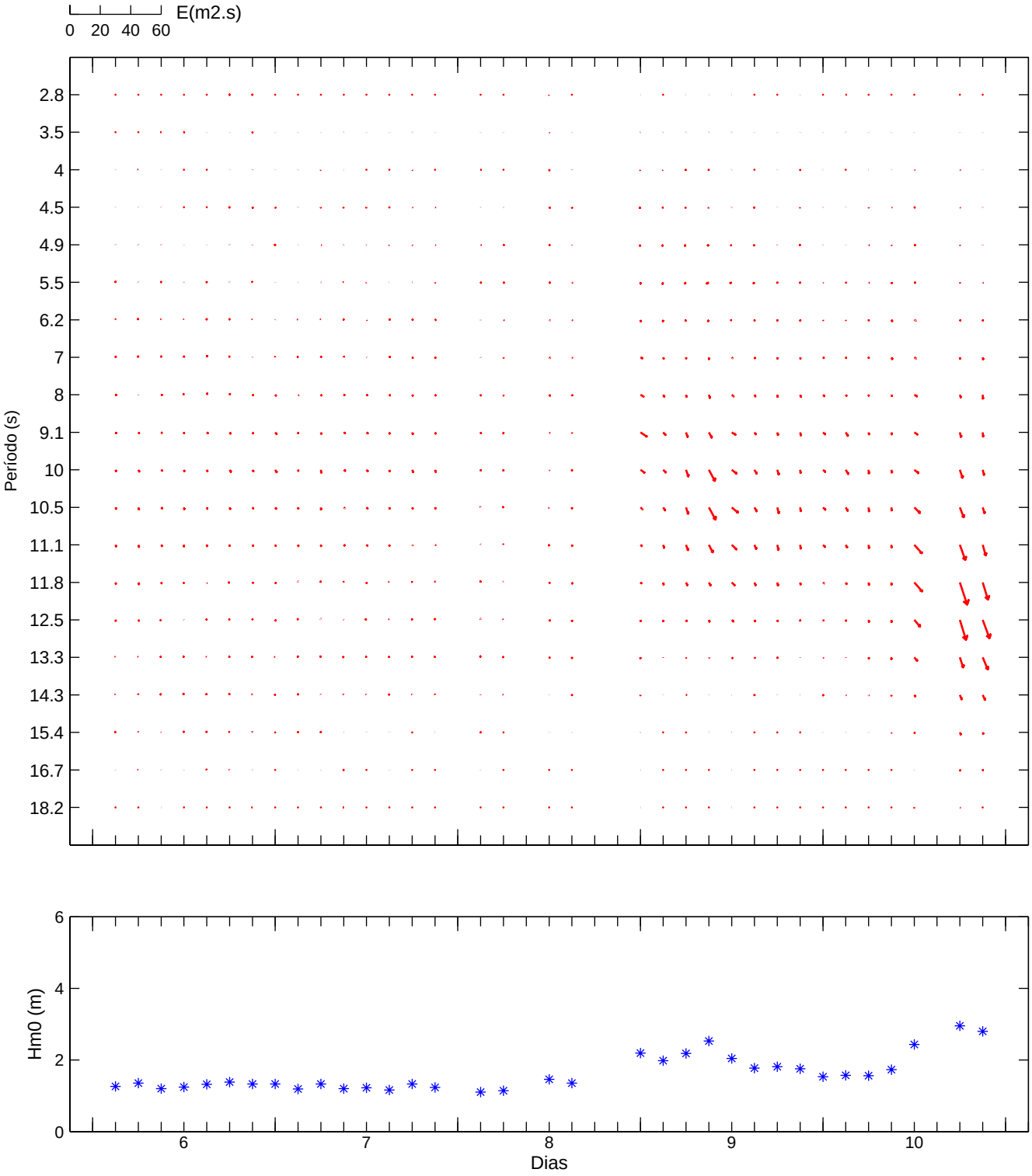
EVOLUÇÃO TEMPORAL DA DISTRIBUIÇÃO DE ENERGIA E DA DIRECÇÃO MÉDIA

POR BANDA DE FREQUÊNCIA − TERCEIRA 2006 OUT 1−5



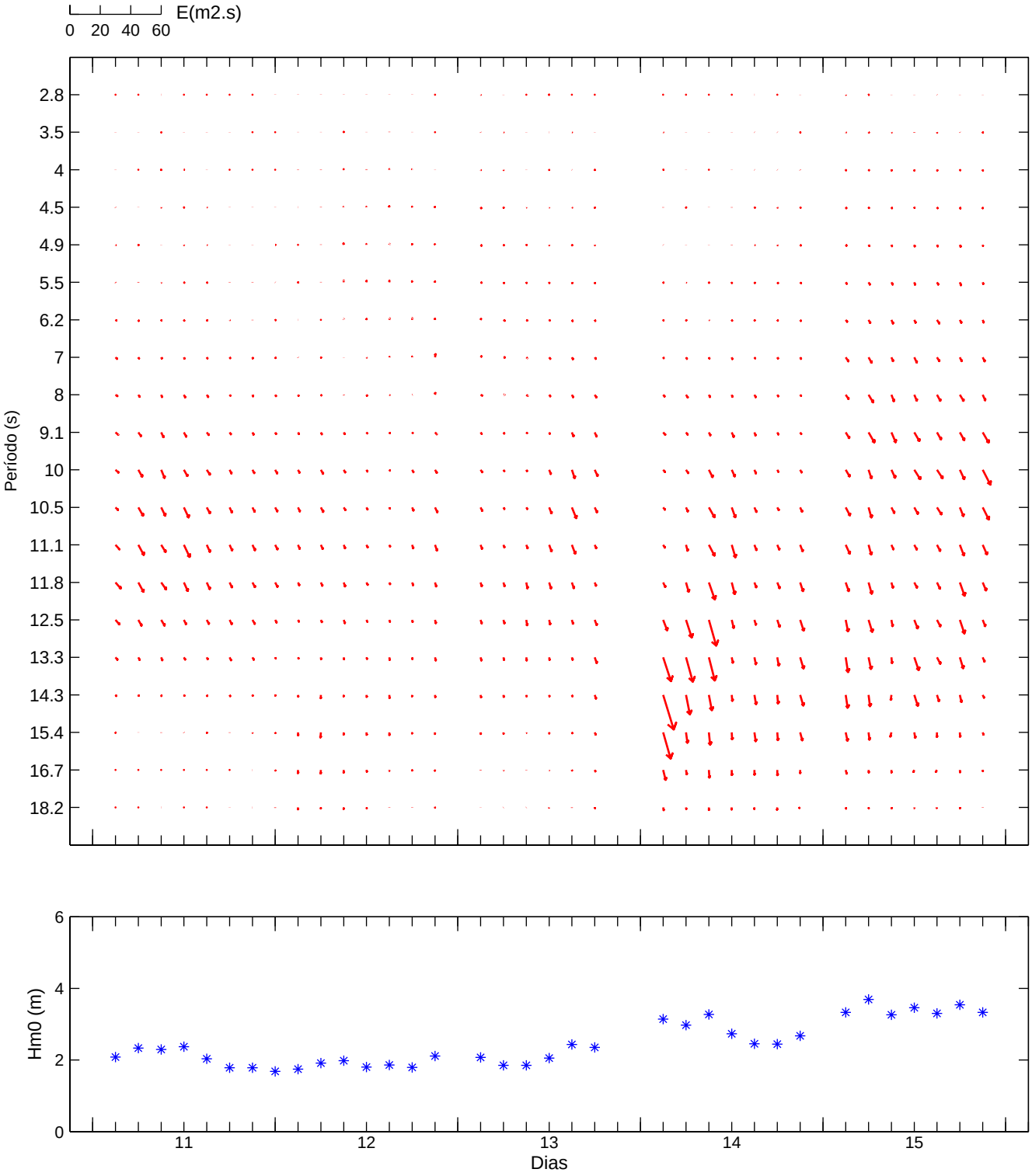
EVOLUÇÃO TEMPORAL DA DISTRIBUIÇÃO DE ENERGIA E DA DIRECÇÃO MÉDIA

POR BANDA DE FREQUÊNCIA − TERCEIRA 2006 OUT 6−10



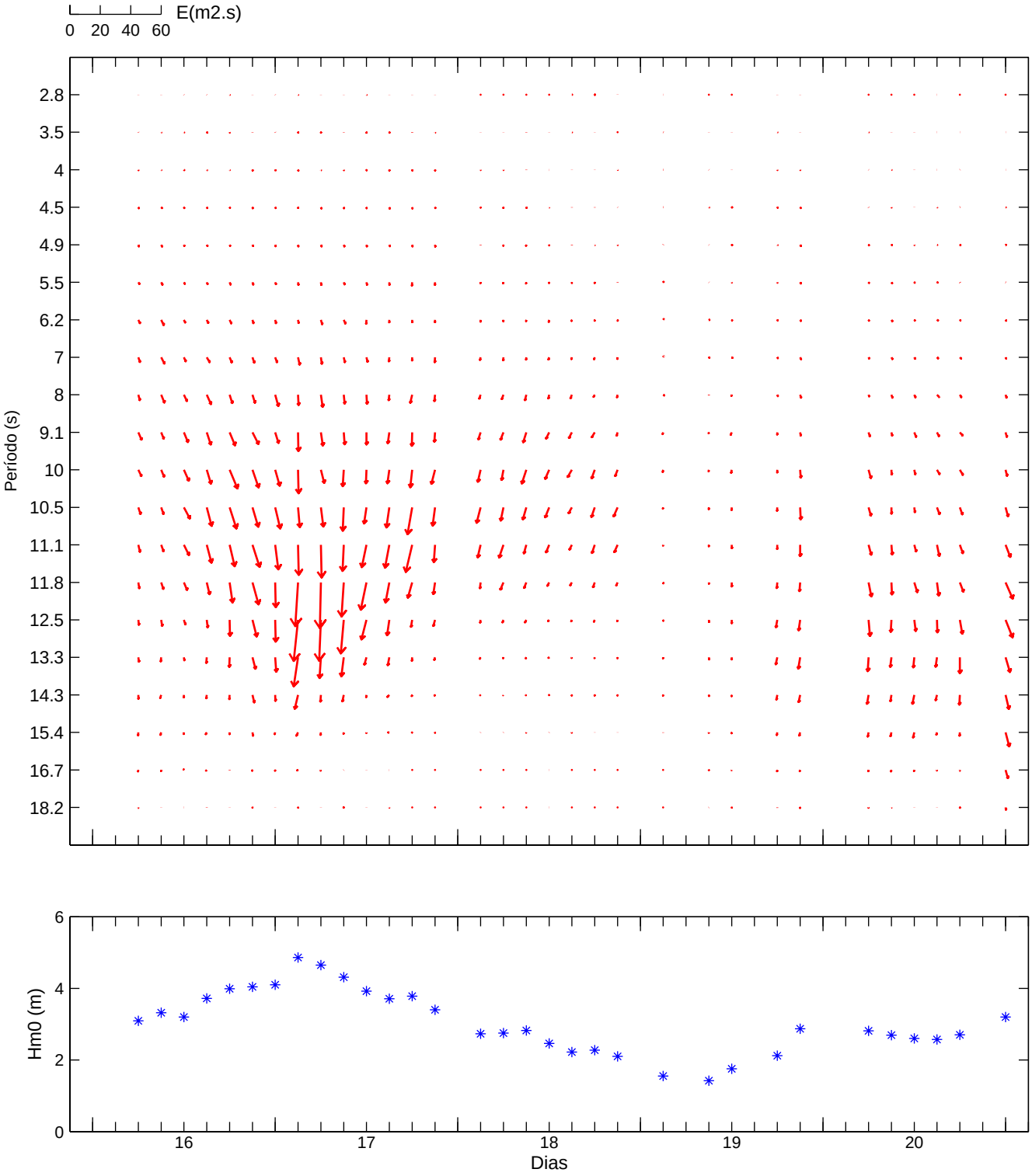
EVOLUÇÃO TEMPORAL DA DISTRIBUIÇÃO DE ENERGIA E DA DIRECÇÃO MÉDIA

POR BANDA DE FREQUÊNCIA − TERCEIRA 2006 OUT 11−15



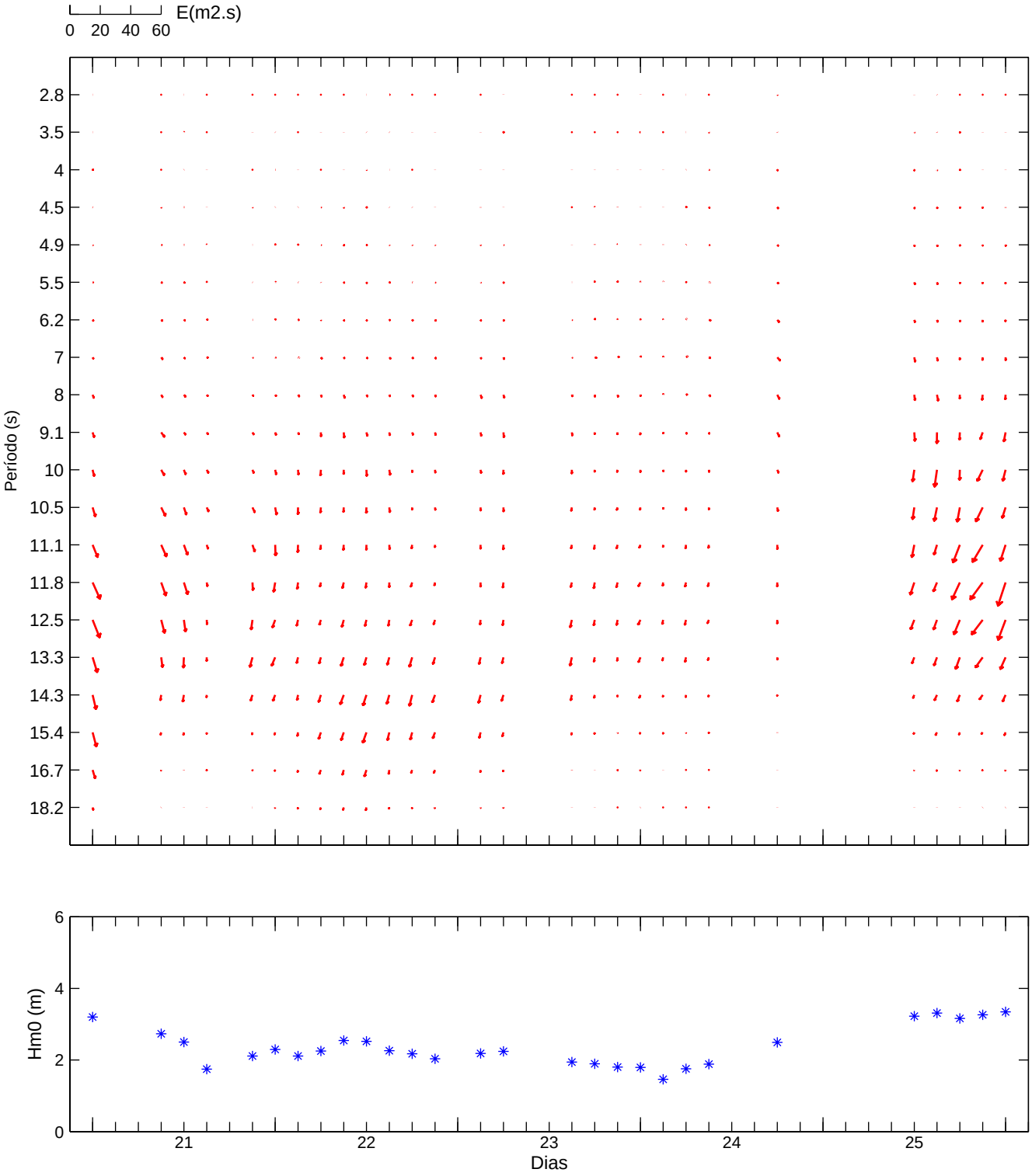
EVOLUÇÃO TEMPORAL DA DISTRIBUIÇÃO DE ENERGIA E DA DIRECÇÃO MÉDIA

POR BANDA DE FREQUÊNCIA − TERCEIRA 2006 OUT 16−20



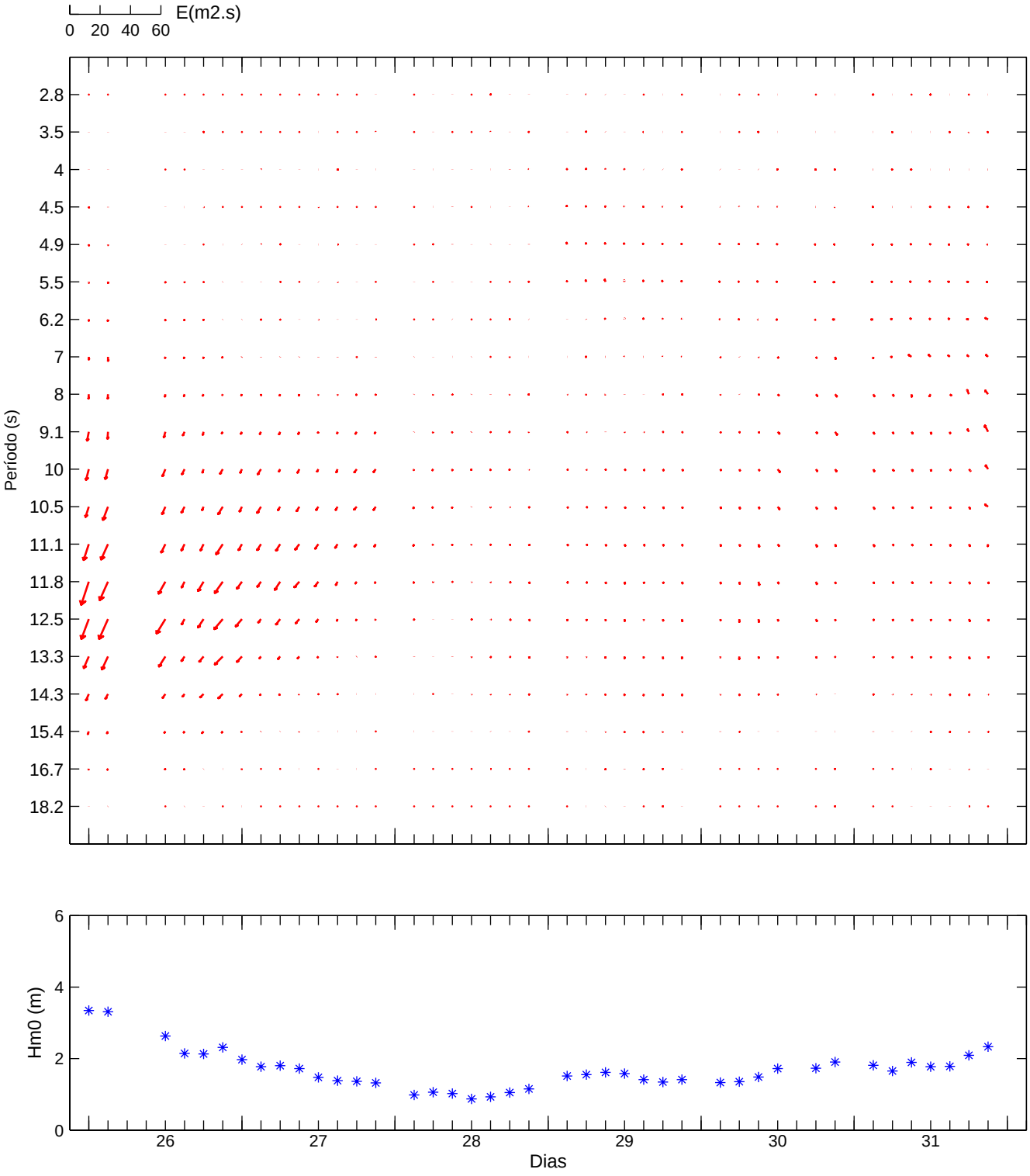
EVOLUÇÃO TEMPORAL DA DISTRIBUIÇÃO DE ENERGIA E DA DIRECÇÃO MÉDIA

POR BANDA DE FREQUÊNCIA − TERCEIRA 2006 OUT 21−25



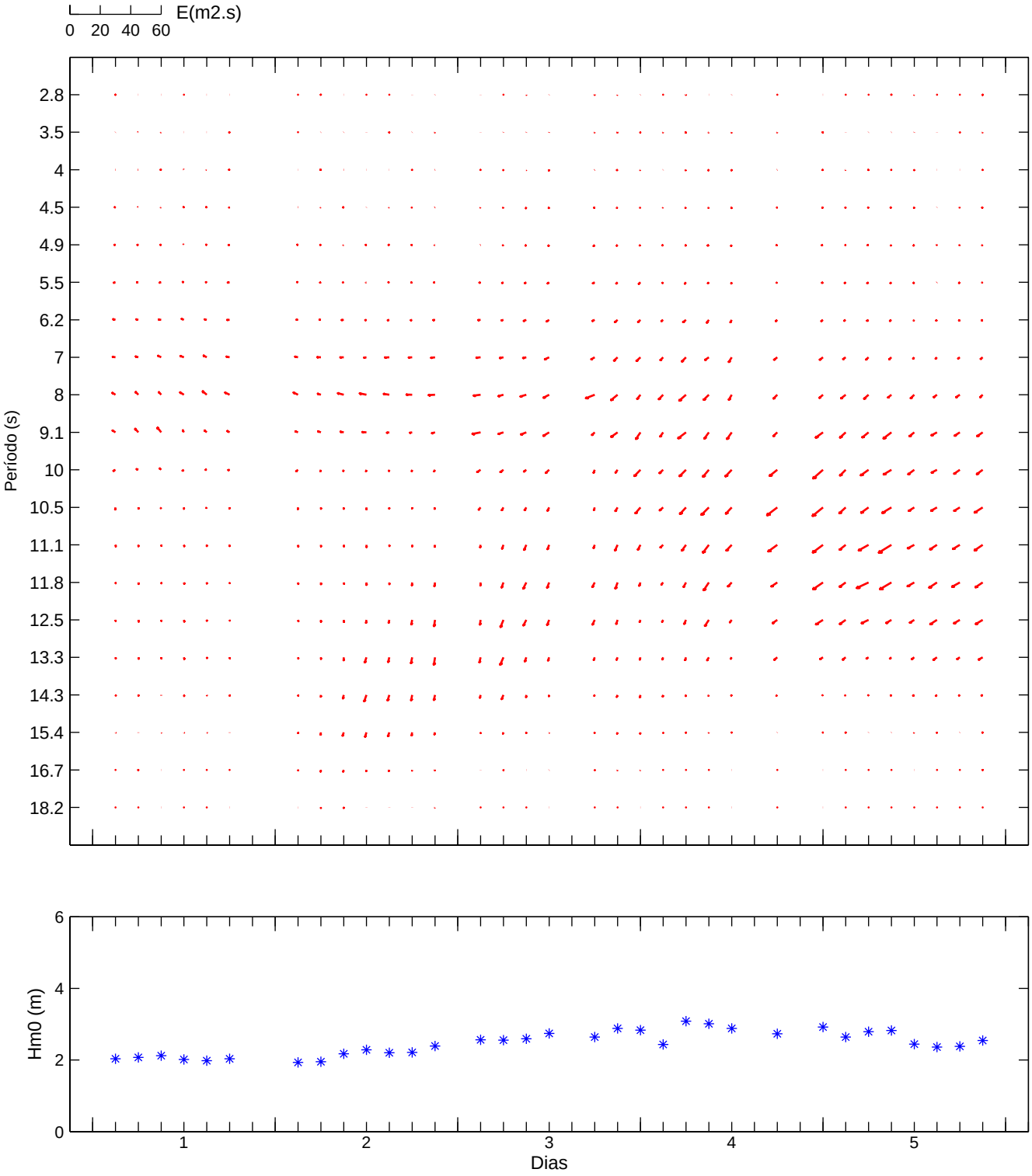
EVOLUÇÃO TEMPORAL DA DISTRIBUIÇÃO DE ENERGIA E DA DIRECÇÃO MÉDIA

POR BANDA DE FREQUÊNCIA − TERCEIRA 2006 OUT 26−31



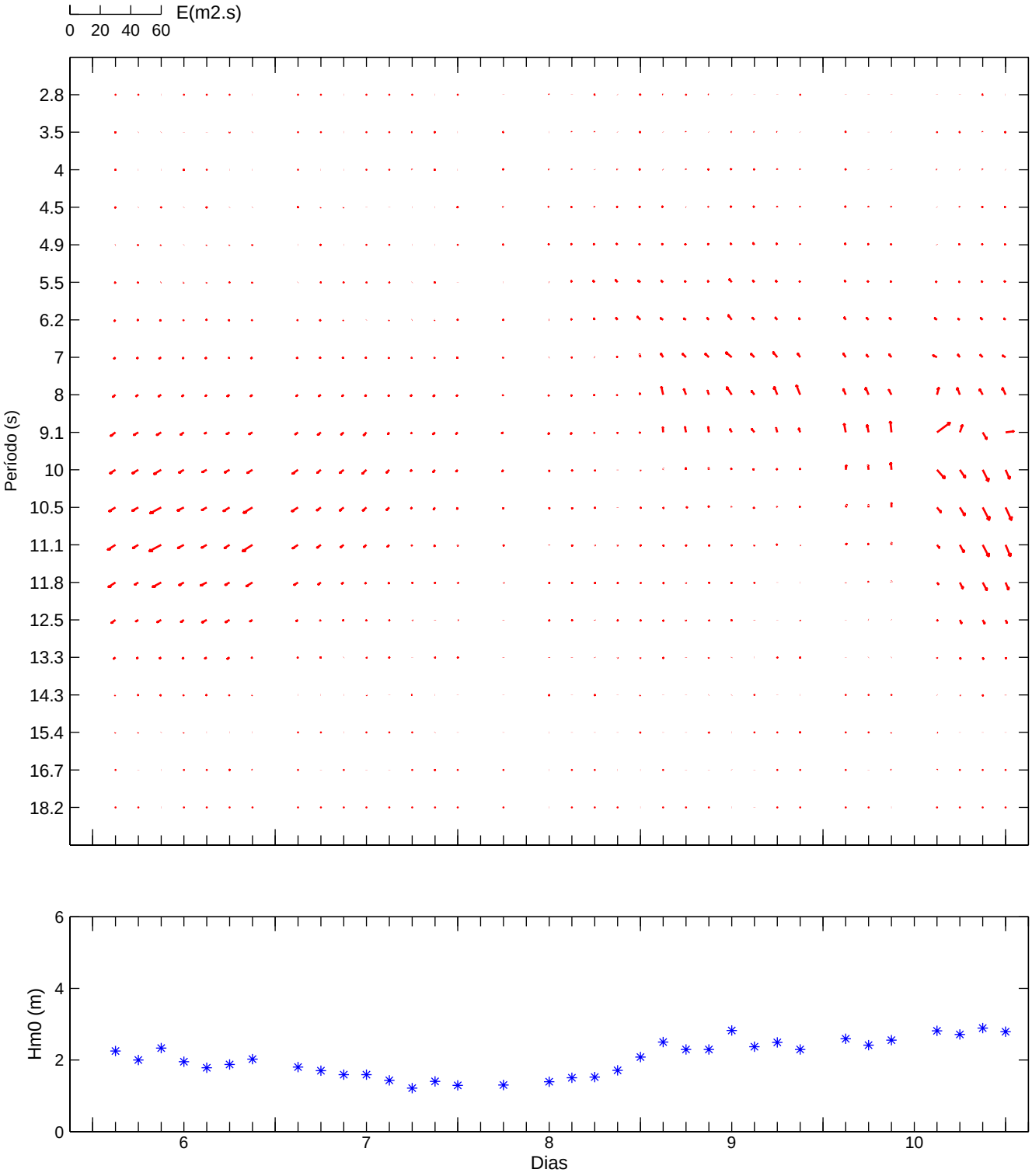
EVOLUÇÃO TEMPORAL DA DISTRIBUIÇÃO DE ENERGIA E DA DIRECÇÃO MÉDIA

POR BANDA DE FREQUÊNCIA − TERCEIRA 2006 NOV 1−5



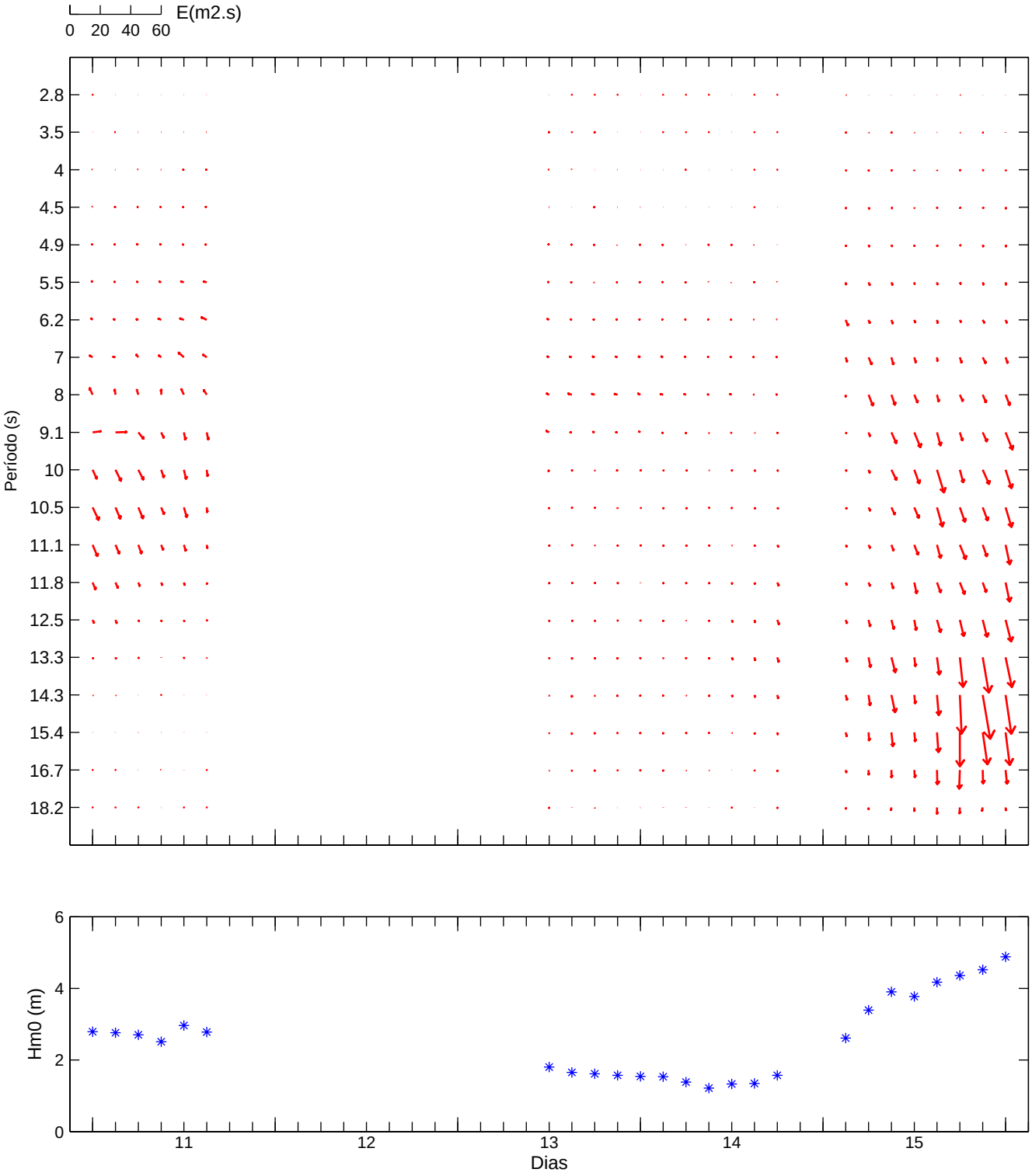
EVOLUÇÃO TEMPORAL DA DISTRIBUIÇÃO DE ENERGIA E DA DIRECÇÃO MÉDIA

POR BANDA DE FREQUÊNCIA − TERCEIRA 2006 NOV 6−10



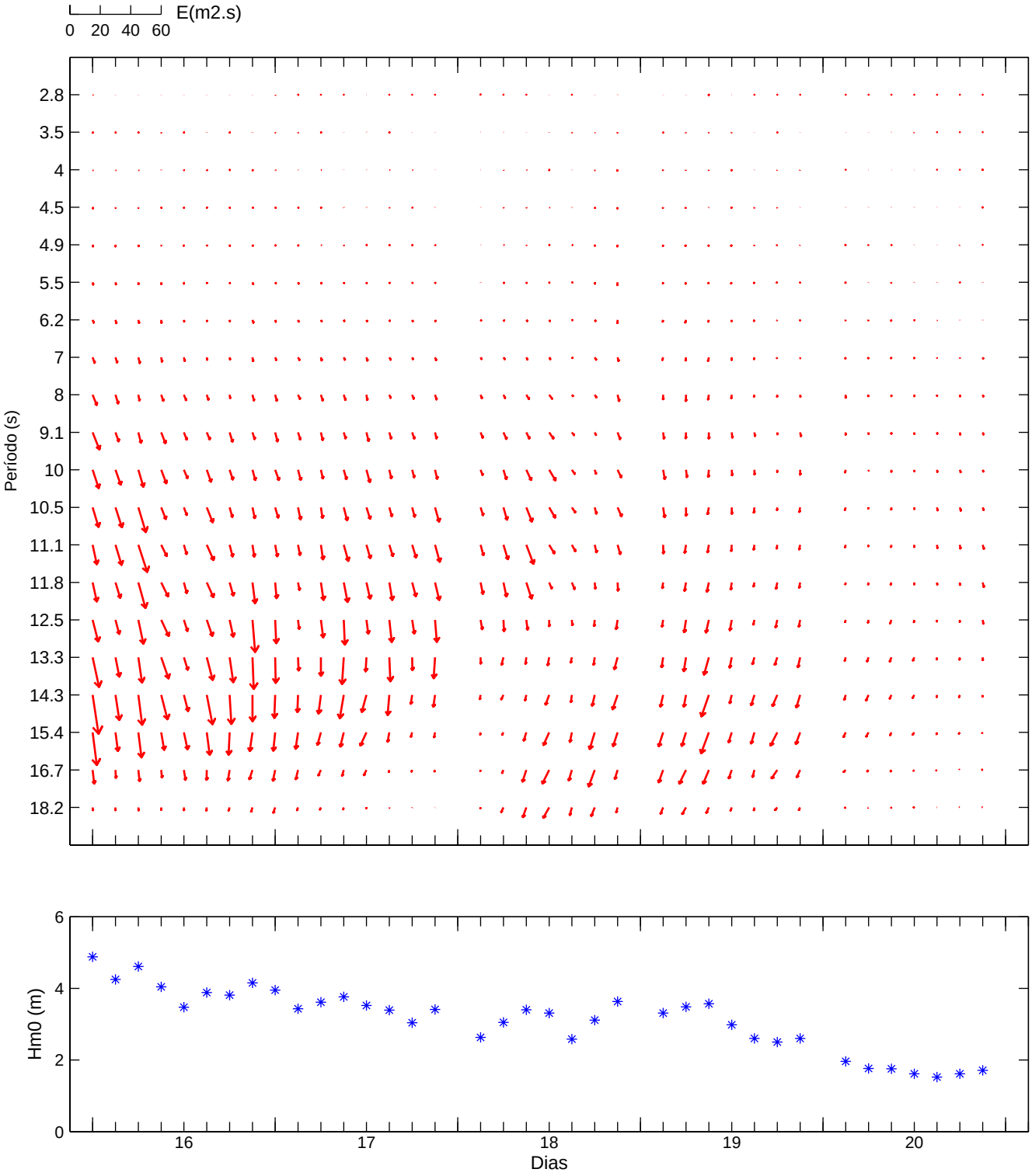
EVOLUÇÃO TEMPORAL DA DISTRIBUIÇÃO DE ENERGIA E DA DIRECÇÃO MÉDIA

POR BANDA DE FREQUÊNCIA − TERCEIRA 2006 NOV 11−15



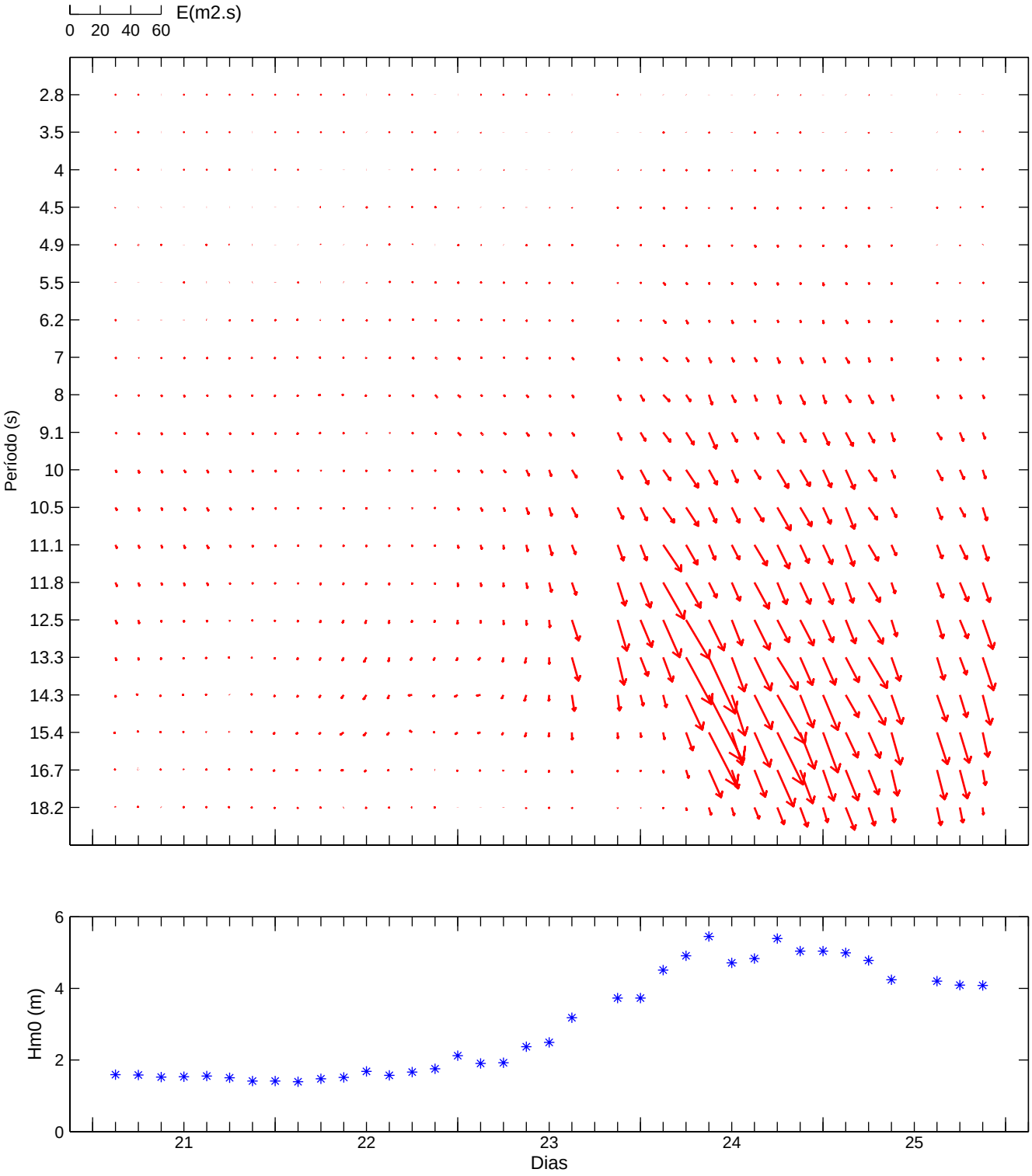
EVOLUÇÃO TEMPORAL DA DISTRIBUIÇÃO DE ENERGIA E DA DIRECÇÃO MÉDIA

POR BANDA DE FREQUÊNCIA − TERCEIRA 2006 NOV 16−20



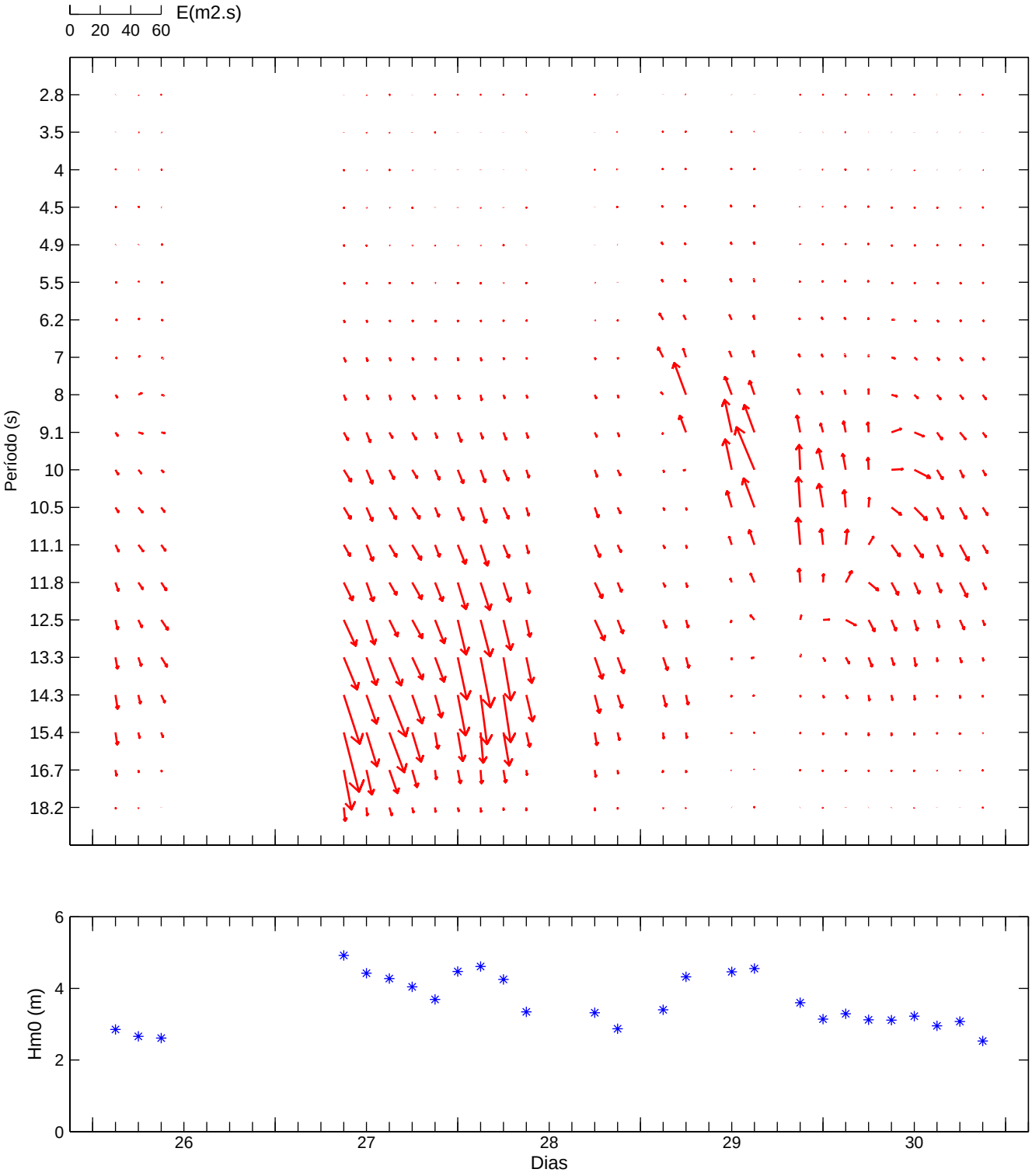
EVOLUÇÃO TEMPORAL DA DISTRIBUIÇÃO DE ENERGIA E DA DIRECÇÃO MÉDIA

POR BANDA DE FREQUÊNCIA − TERCEIRA 2006 NOV 21−25



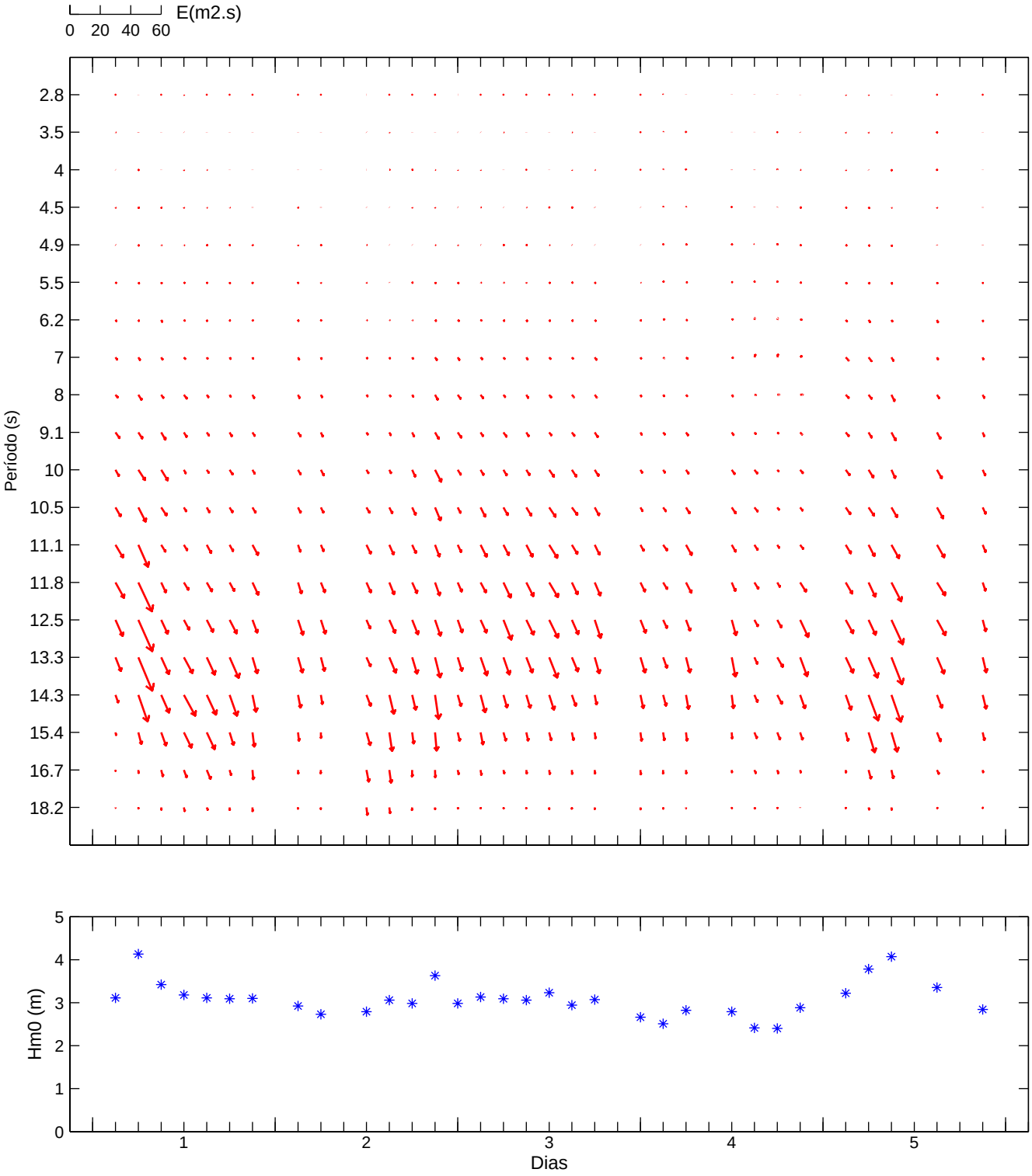
EVOLUÇÃO TEMPORAL DA DISTRIBUIÇÃO DE ENERGIA E DA DIRECÇÃO MÉDIA

POR BANDA DE FREQUÊNCIA − TERCEIRA 2006 NOV 26−30



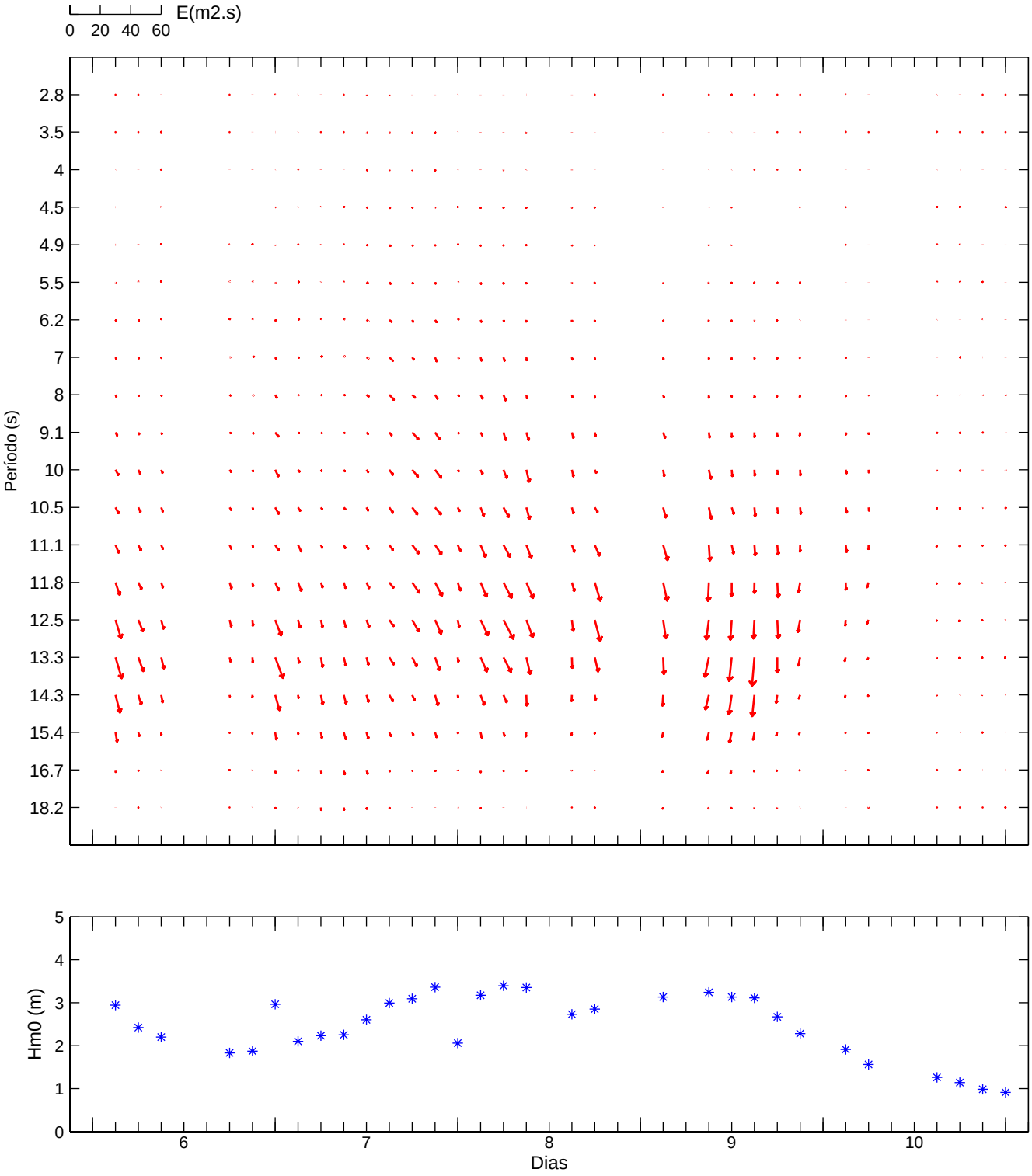
EVOLUÇÃO TEMPORAL DA DISTRIBUIÇÃO DE ENERGIA E DA DIRECÇÃO MÉDIA

POR BANDA DE FREQUÊNCIA − TERCEIRA 2006 DEZ 1−5



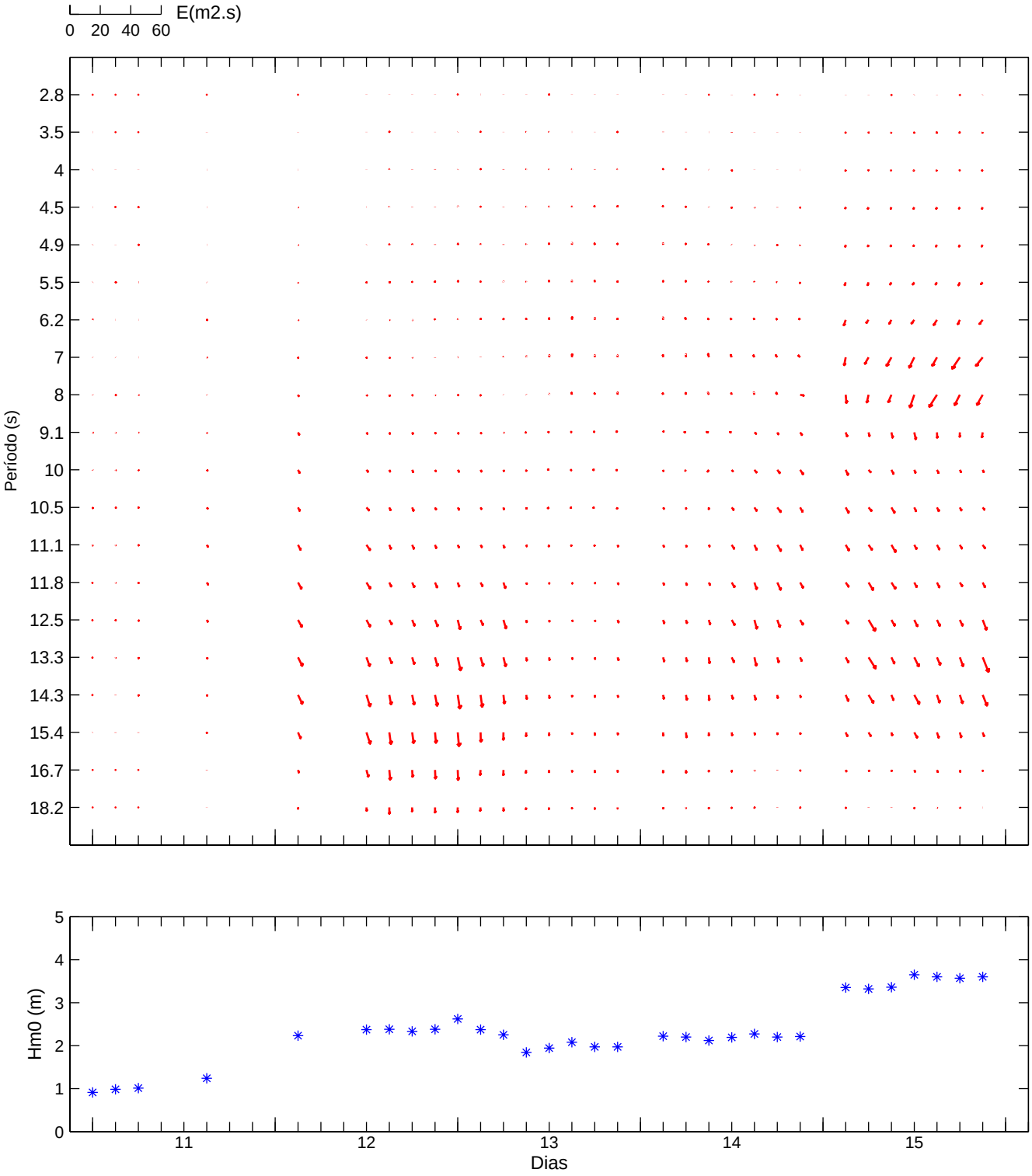
EVOLUÇÃO TEMPORAL DA DISTRIBUIÇÃO DE ENERGIA E DA DIRECÇÃO MÉDIA

POR BANDA DE FREQUÊNCIA − TERCEIRA 2006 DEZ 6−10



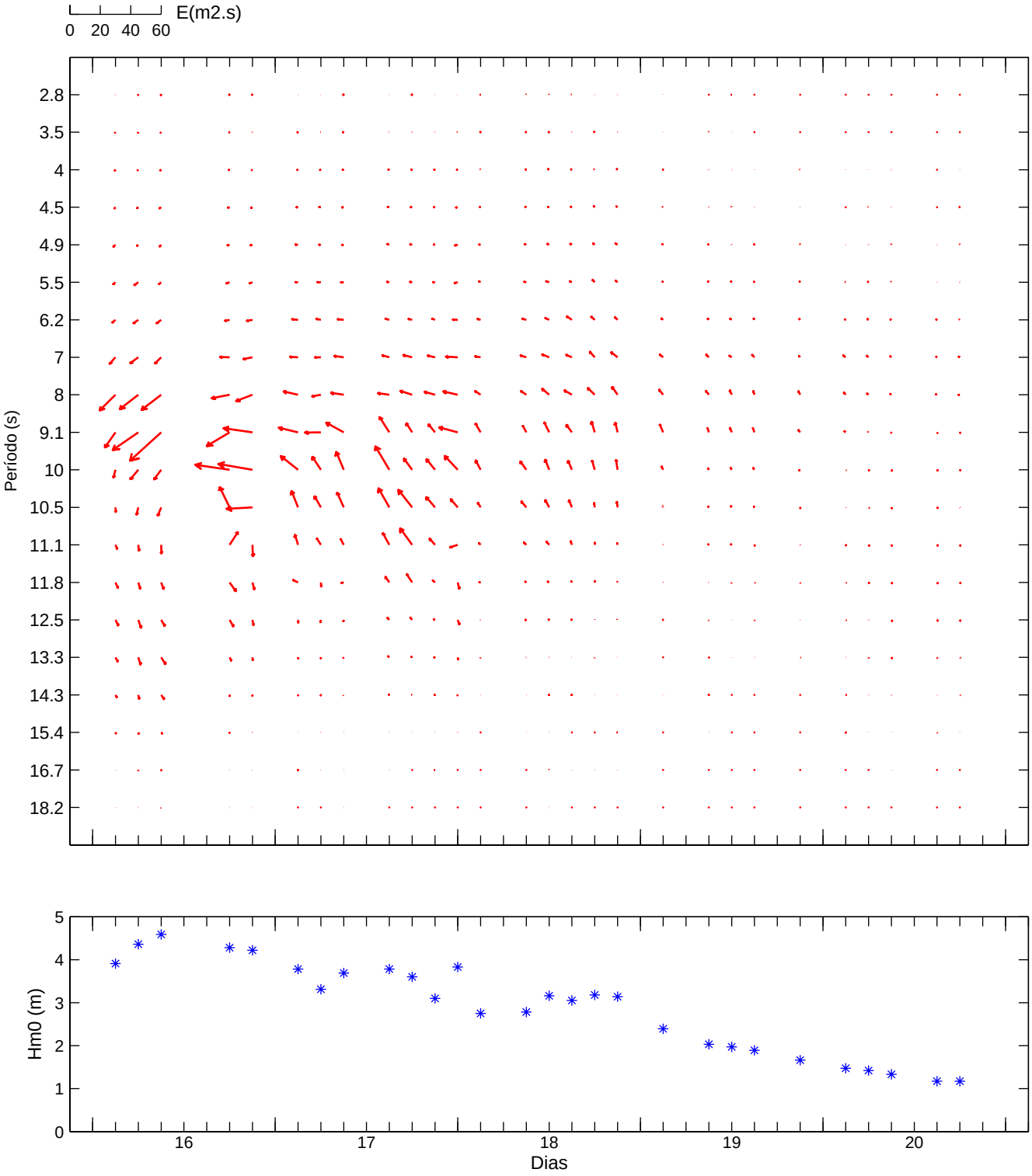
EVOLUÇÃO TEMPORAL DA DISTRIBUIÇÃO DE ENERGIA E DA DIRECÇÃO MÉDIA

POR BANDA DE FREQUÊNCIA − TERCEIRA 2006 DEZ 11−15



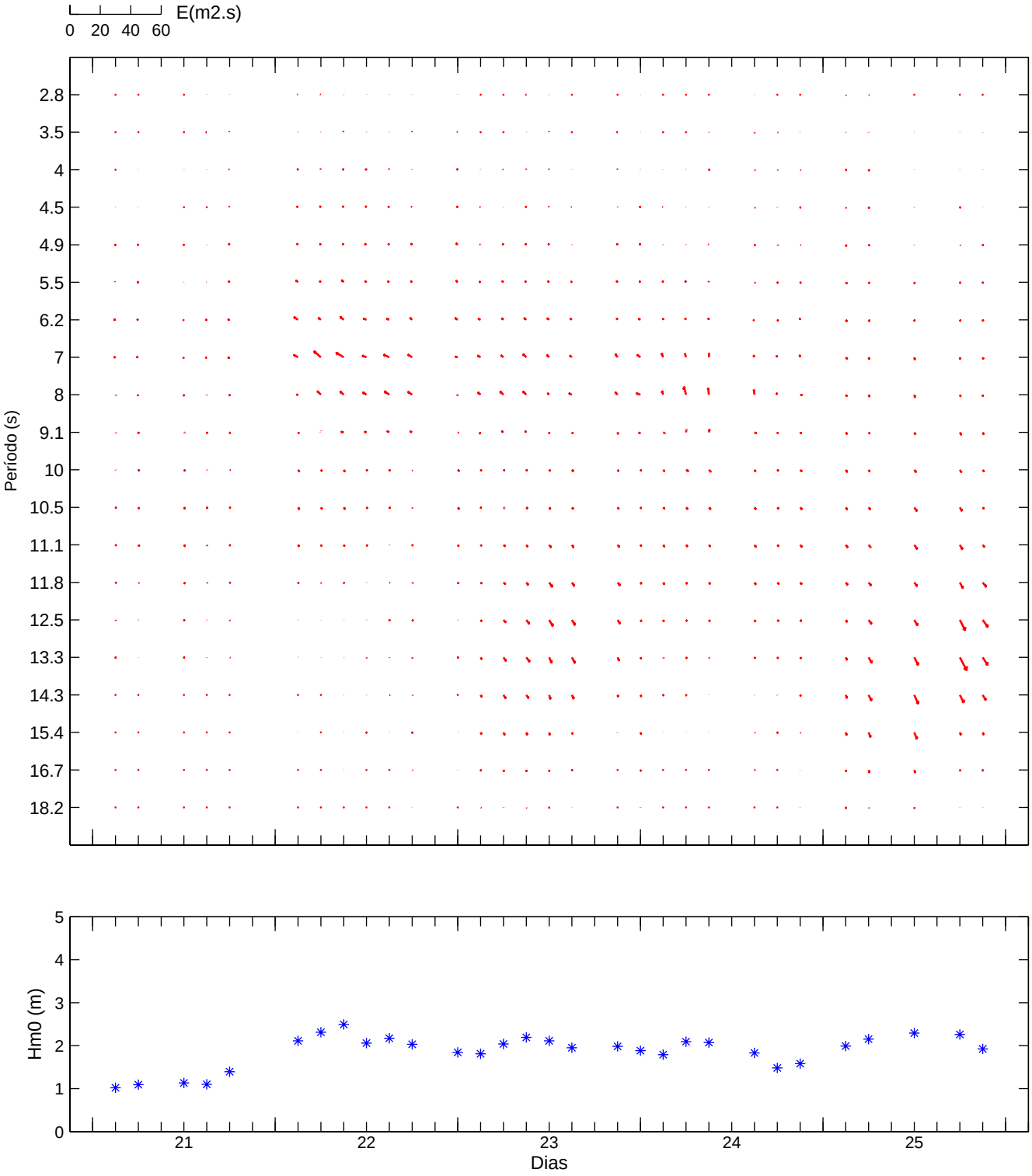
EVOLUÇÃO TEMPORAL DA DISTRIBUIÇÃO DE ENERGIA E DA DIRECÇÃO MÉDIA

POR BANDA DE FREQUÊNCIA − TERCEIRA 2006 DEZ 16−20



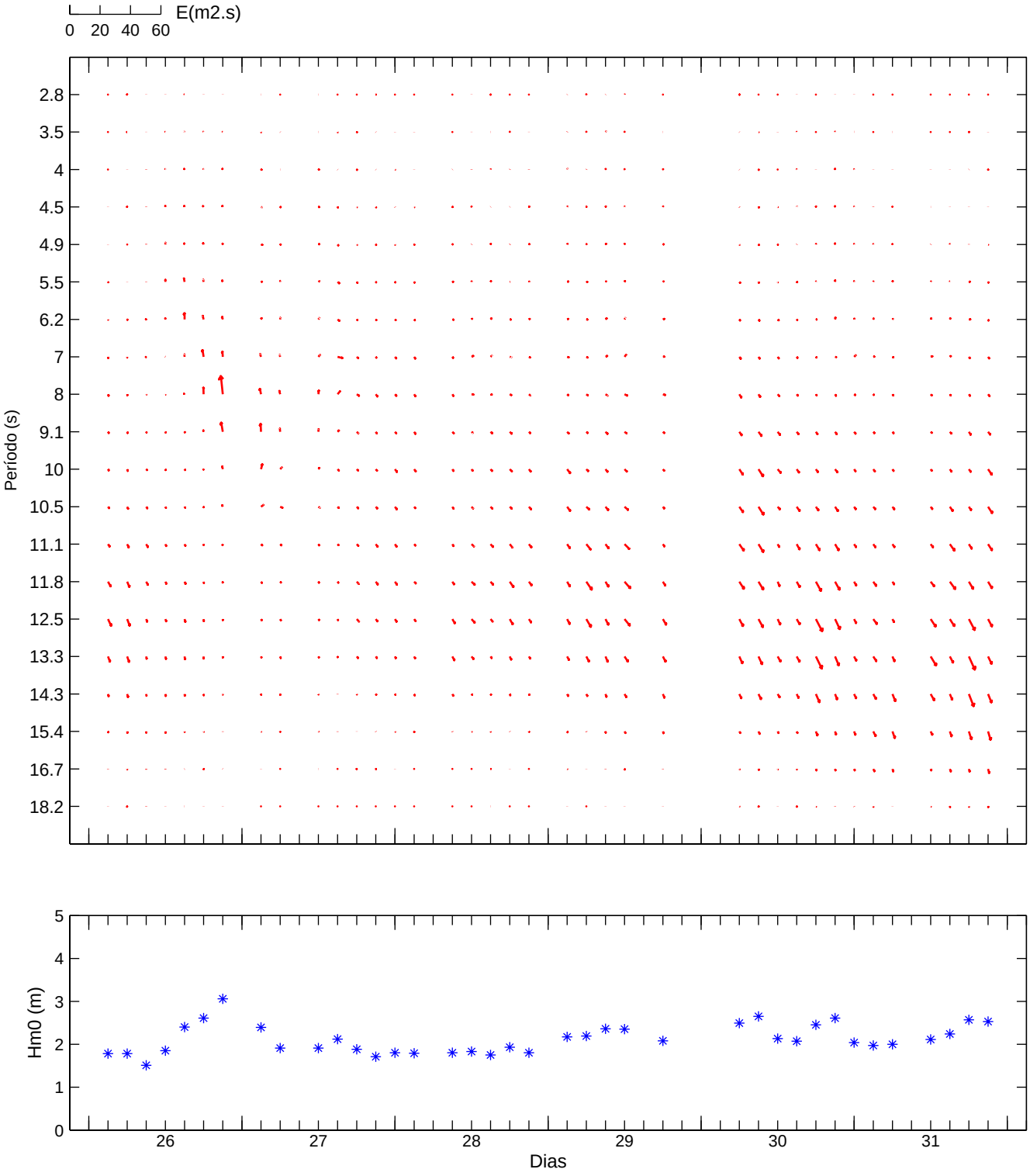
EVOLUÇÃO TEMPORAL DA DISTRIBUIÇÃO DE ENERGIA E DA DIRECÇÃO MÉDIA

POR BANDA DE FREQUÊNCIA − TERCEIRA 2006 DEZ 21−25



EVOLUÇÃO TEMPORAL DA DISTRIBUIÇÃO DE ENERGIA E DA DIRECÇÃO MÉDIA

POR BANDA DE FREQUÊNCIA − TERCEIRA 2006 DEZ 26−31

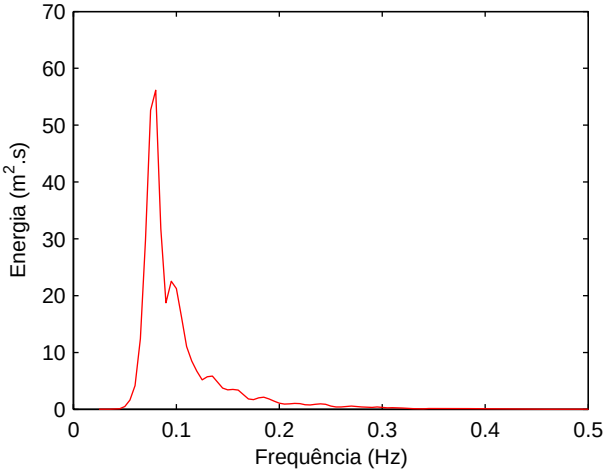


ANEXO H

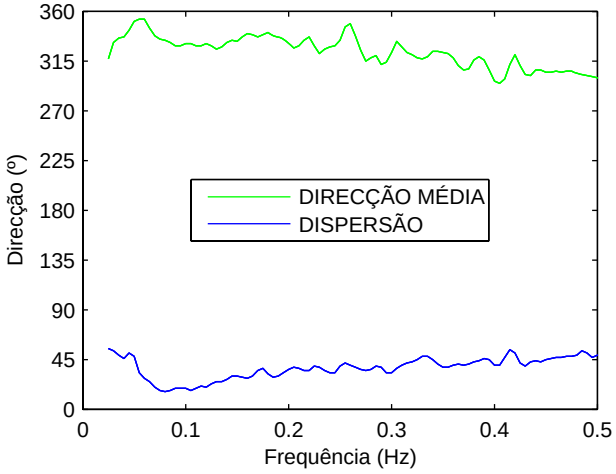
Gráficos de distribuição de energia, direcção média e dispersão,
para os registos em que HM0 ≥ 5.0 metros

NOTA: Em Outubro e Dezembro não se verificaram nenhumas ocorrências de HM0 ≥ 5.0 metros.

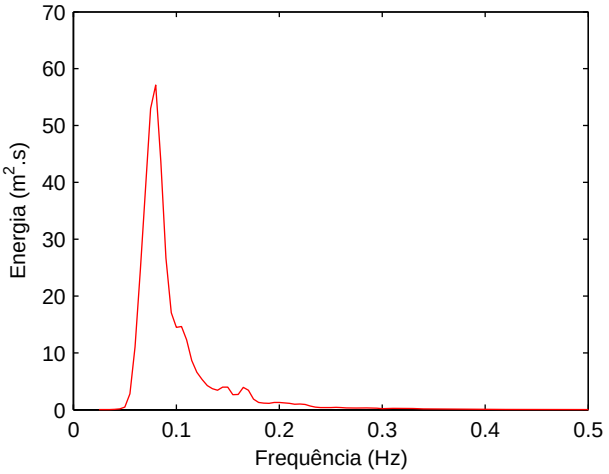
TERCEIRA − Espectro de variância − 2006NOV24 − 0513 − HM0 = 5.38m



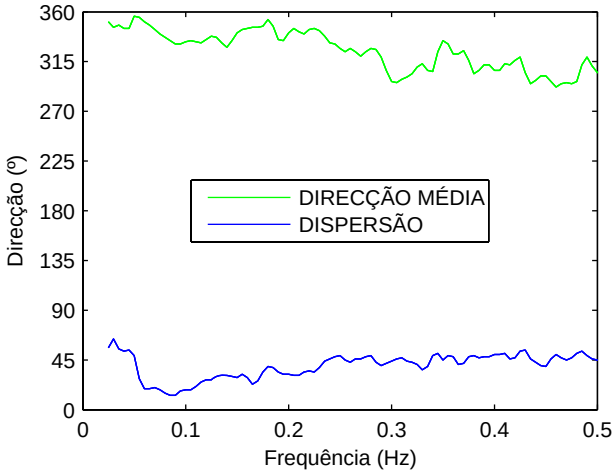
TERCEIRA − Direcção média e dispersão − 2006NOV24 − 0513



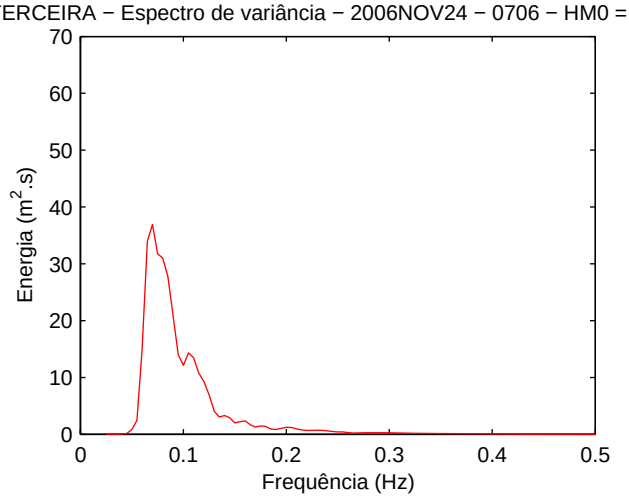
TERCEIRA − Espectro de variância − 2006NOV24 − 0635 − HM0 = 5.59m



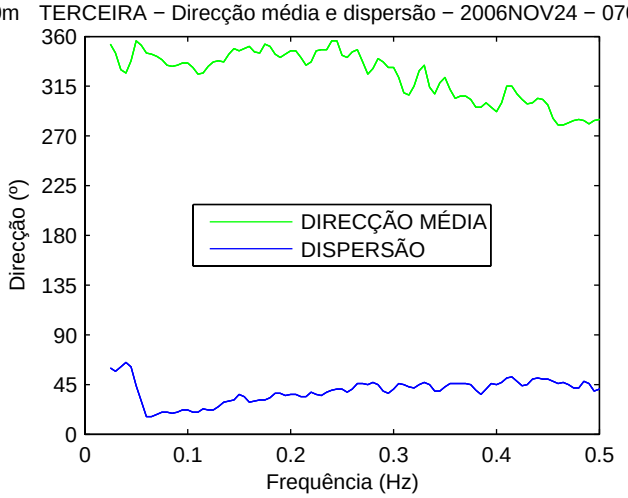
TERCEIRA − Direcção média e dispersão − 2006NOV24 − 0635



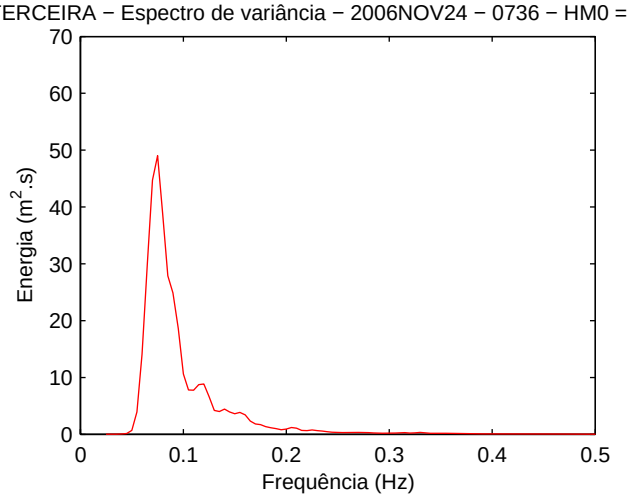
TERCEIRA − Espectro de variância − 2006NOV24 − 0706 − HM0 = 5.10m



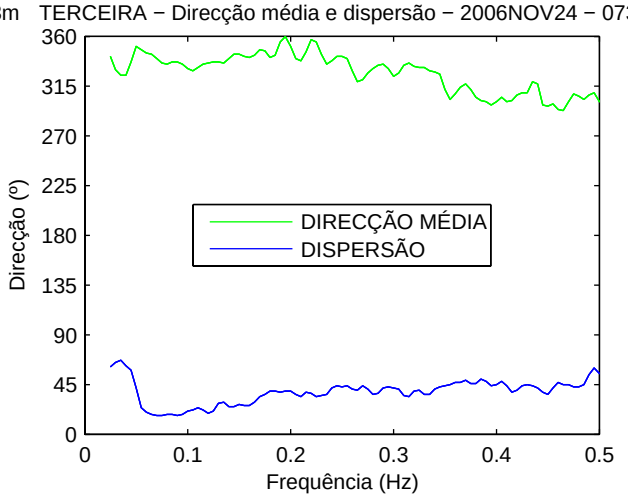
TERCEIRA − Direcção média e dispersão − 2006NOV24 − 0706



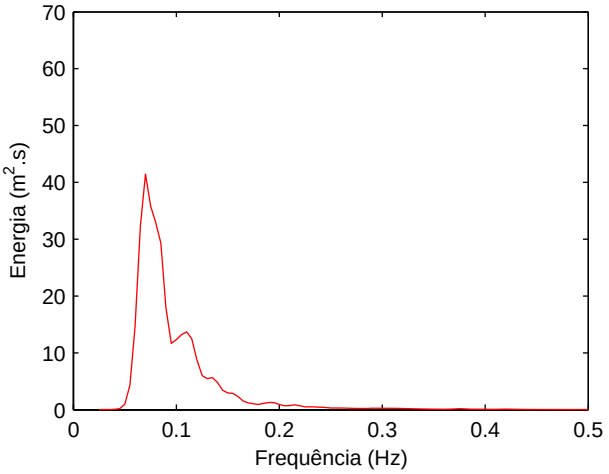
TERCEIRA − Espectro de variância − 2006NOV24 − 0736 − HM0 = 5.33m



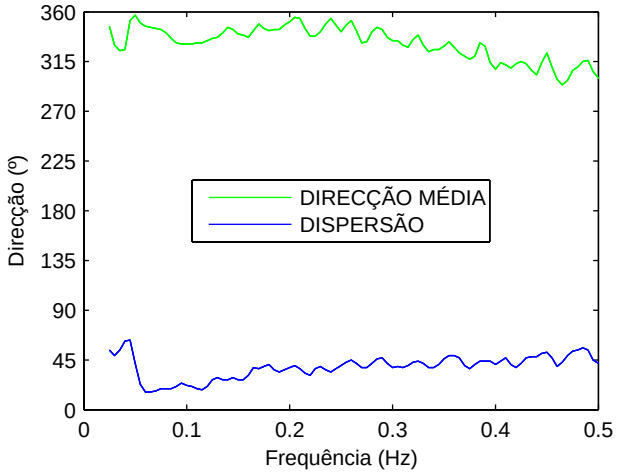
TERCEIRA − Direcção média e dispersão − 2006NOV24 − 0736



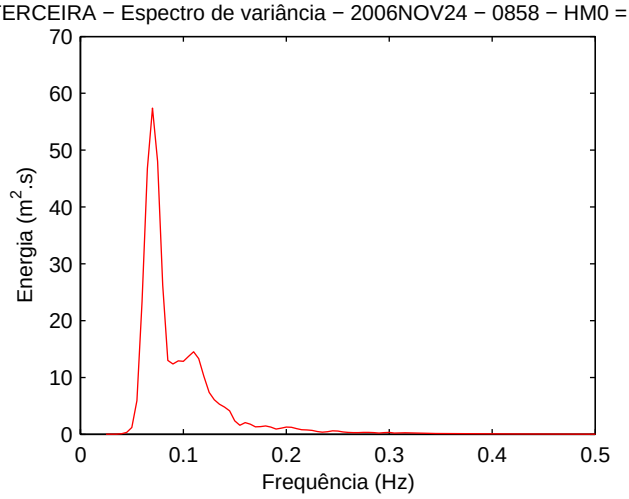
TERCEIRA − Espectro de variância − 2006NOV24 − 0807 − HM0 = 5.19m



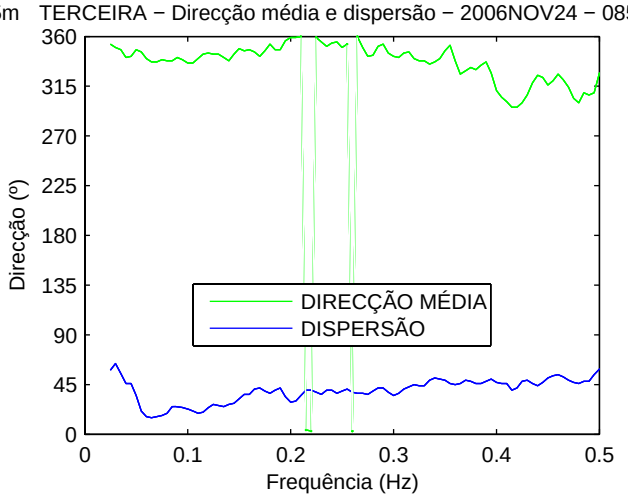
TERCEIRA − Direcção média e dispersão − 2006NOV24 − 0807



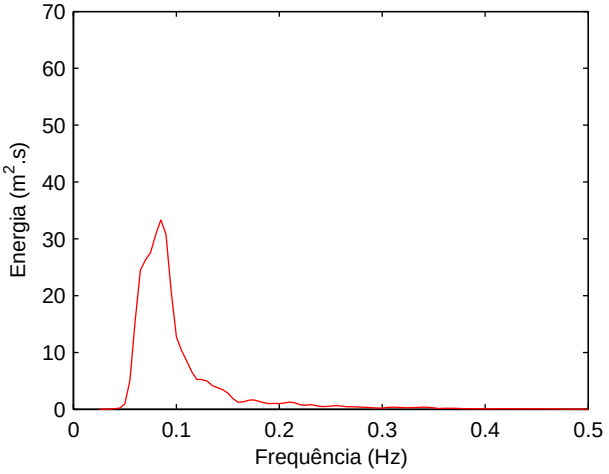
TERCEIRA − Espectro de variância − 2006NOV24 − 0858 − HM0 = 5.45m



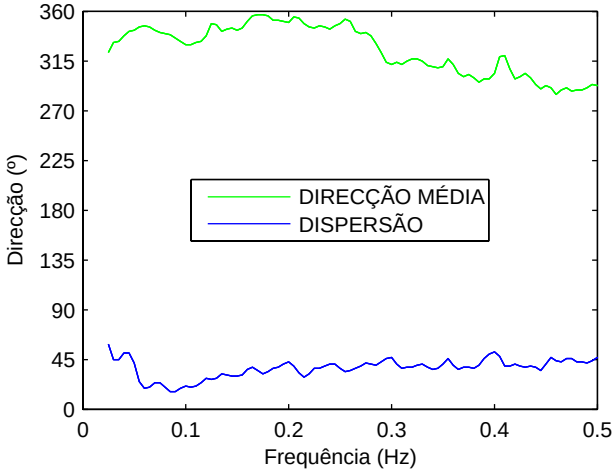
TERCEIRA − Direcção média e dispersão − 2006NOV24 − 0858



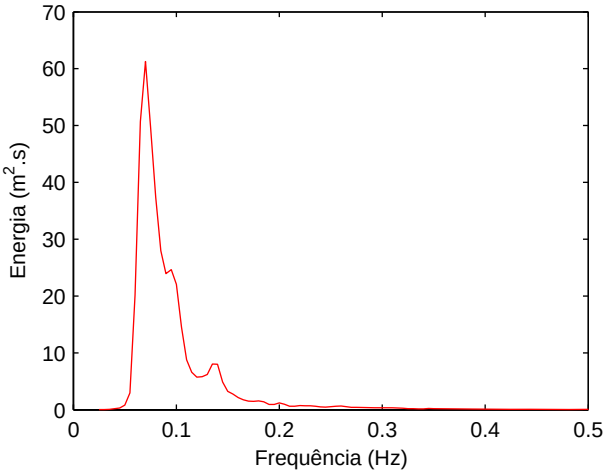
TERCEIRA − Espectro de variância − 2006NOV24 − 0929 − HM0 = 5.02m



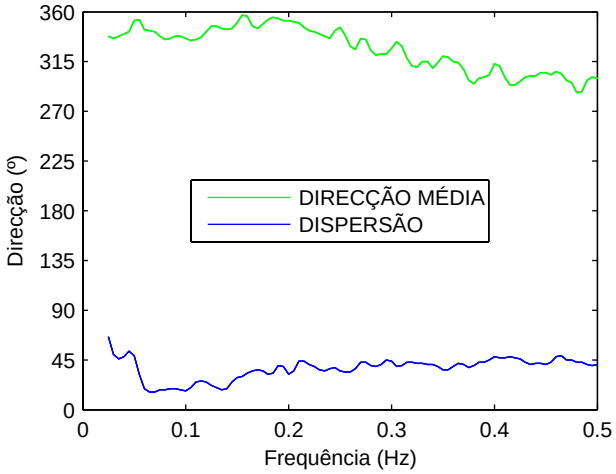
TERCEIRA − Direcção média e dispersão − 2006NOV24 − 0929



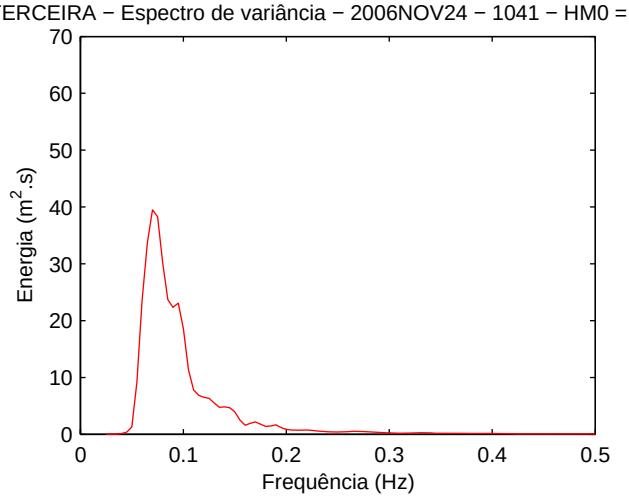
TERCEIRA − Espectro de variância − 2006NOV24 − 1011 − HM0 = 5.83m



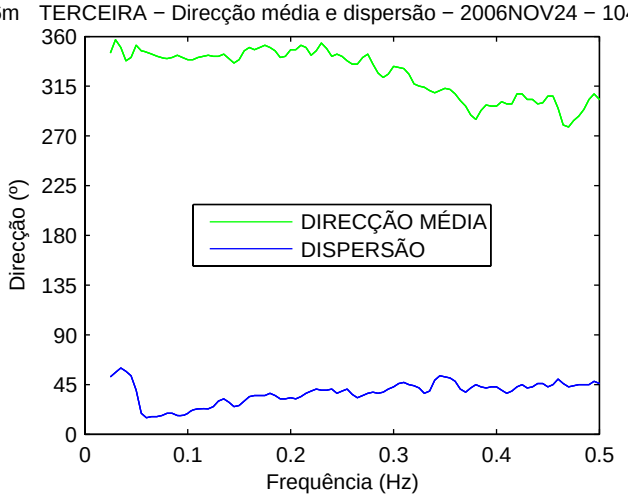
TERCEIRA − Direcção média e dispersão − 2006NOV24 − 1011



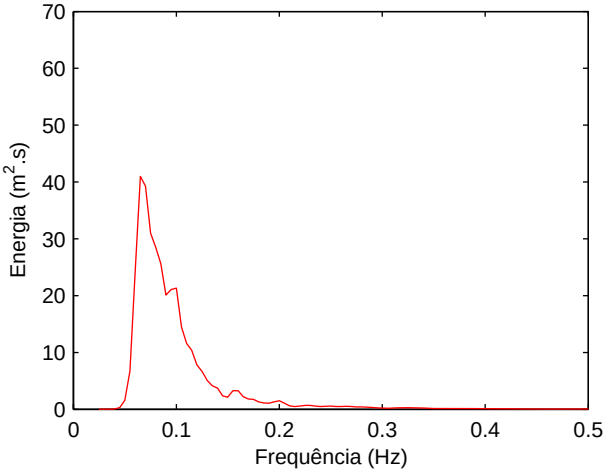
TERCEIRA − Espectro de variância − 2006NOV24 − 1041 − HM0 = 5.36m



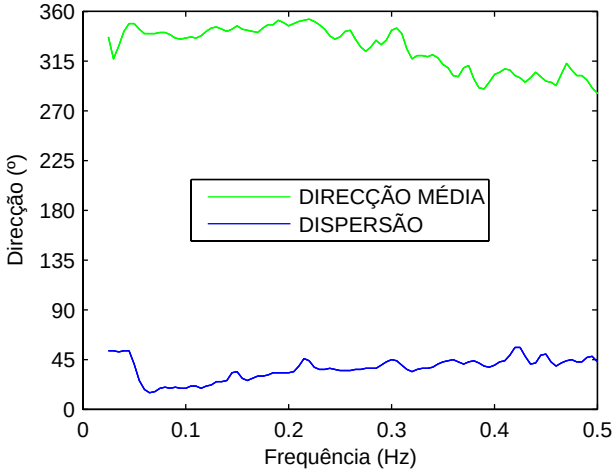
TERCEIRA − Direcção média e dispersão − 2006NOV24 − 1041



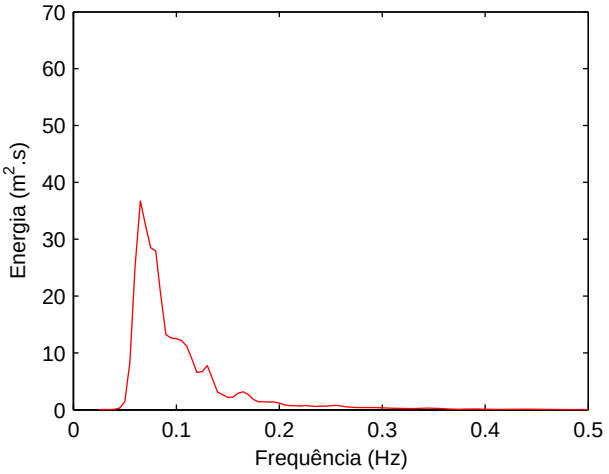
TERCEIRA − Espectro de variância − 2006NOV24 − 1112 − HM0 = 5.39m



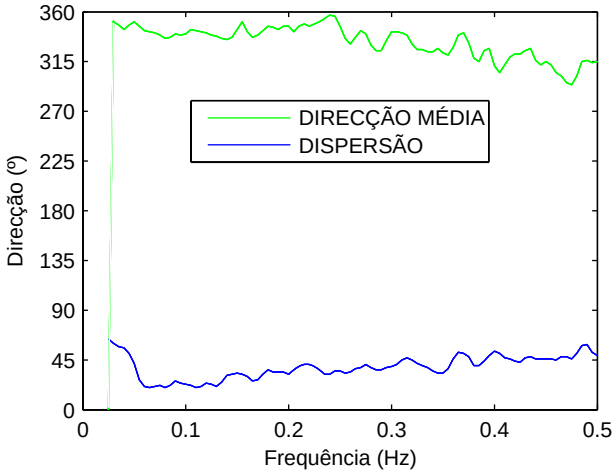
TERCEIRA − Direcção média e dispersão − 2006NOV24 − 1112



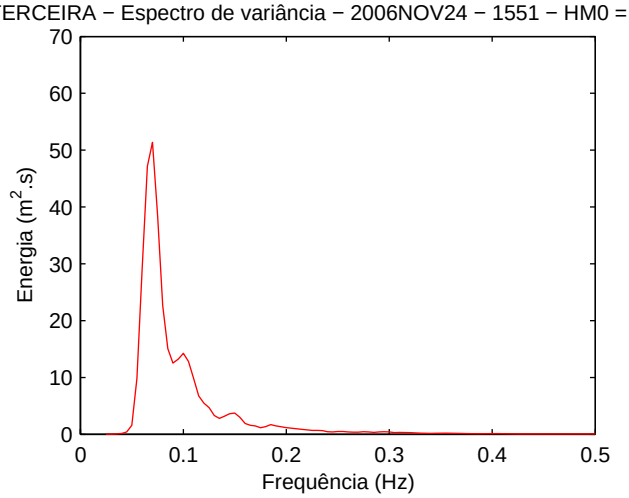
TERCEIRA − Espectro de variância − 2006NOV24 − 1322 − HM0 = 5.07m



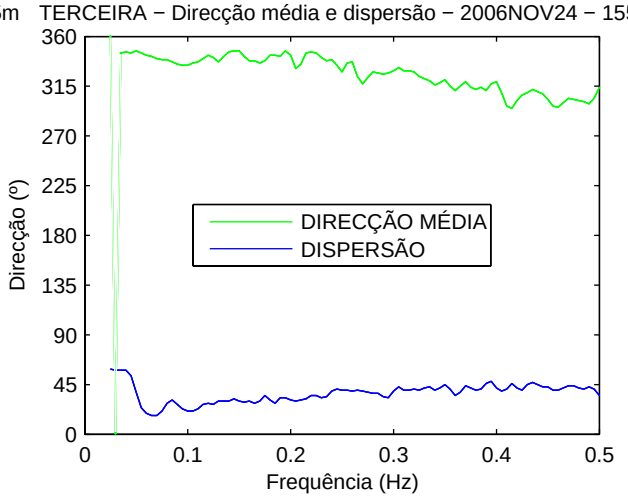
TERCEIRA − Direcção média e dispersão − 2006NOV24 − 1322



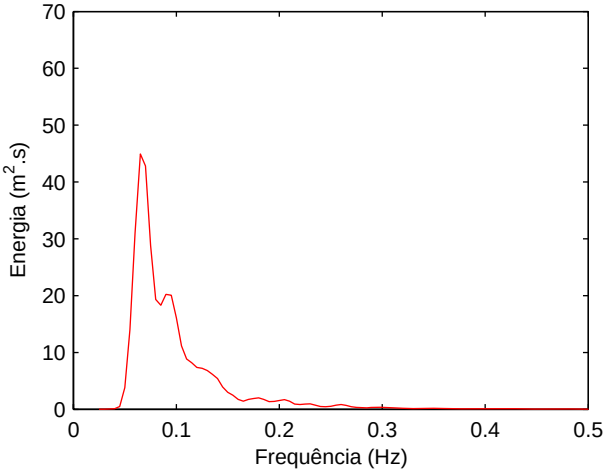
TERCEIRA − Espectro de variância − 2006NOV24 − 1551 − HM0 = 5.25m



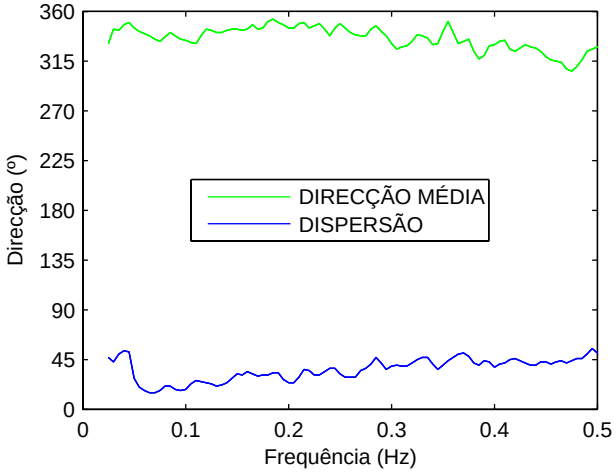
TERCEIRA − Direcção média e dispersão − 2006NOV24 − 1551



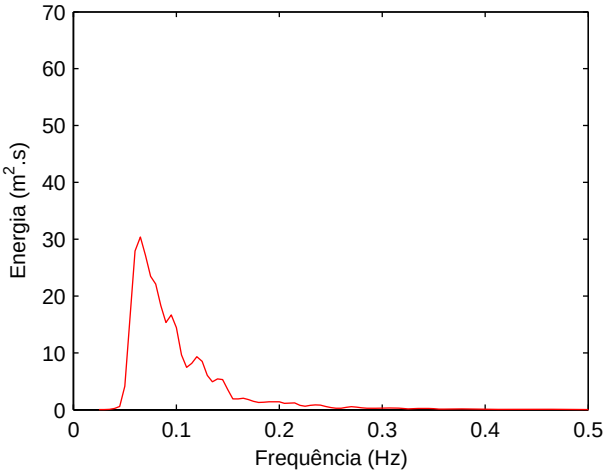
TERCEIRA − Espectro de variância − 2006NOV24 − 1736 − HM0 = 5.39m



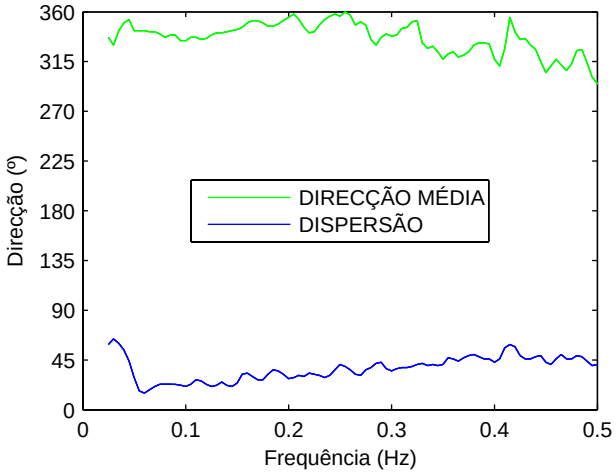
TERCEIRA − Direcção média e dispersão − 2006NOV24 − 1736



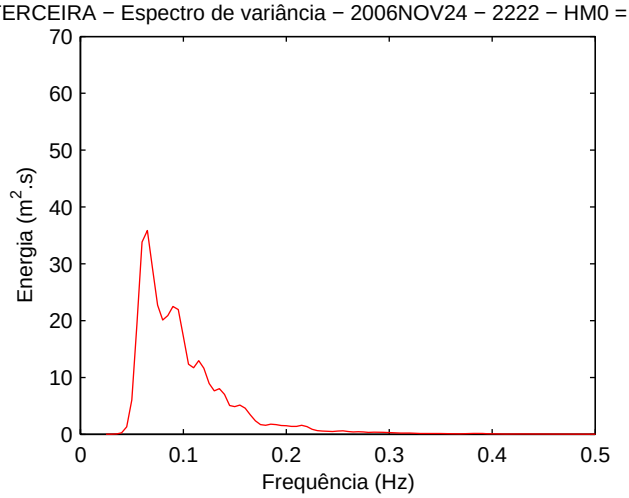
TERCEIRA − Espectro de variância − 2006NOV24 − 2039 − HM0 = 5.04m



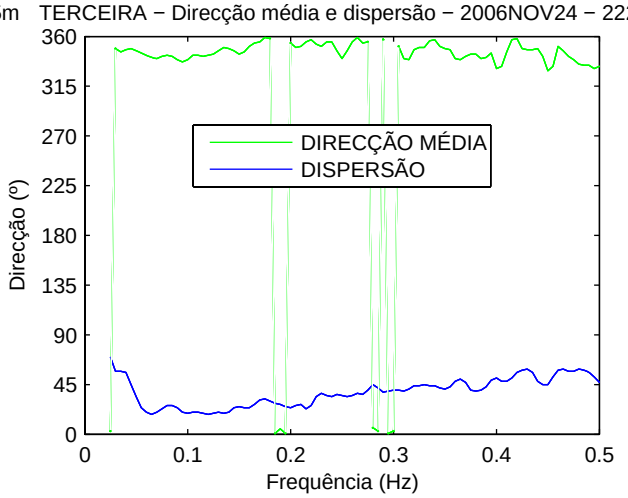
TERCEIRA − Direcção média e dispersão − 2006NOV24 − 2039



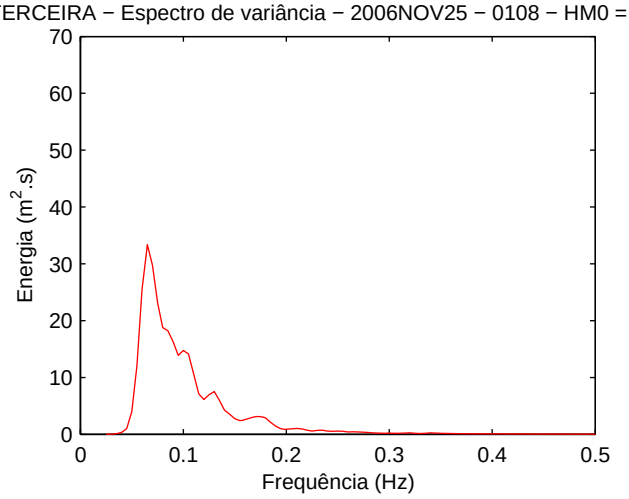
TERCEIRA − Espectro de variância − 2006NOV24 − 2222 − HM0 = 5.55m



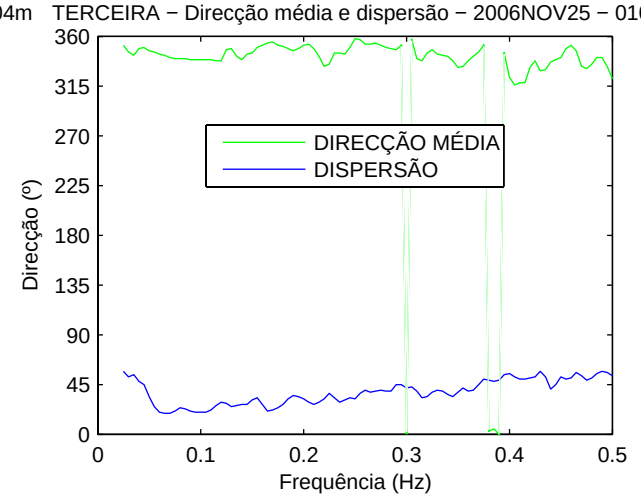
TERCEIRA − Direcção média e dispersão − 2006NOV24 − 2222



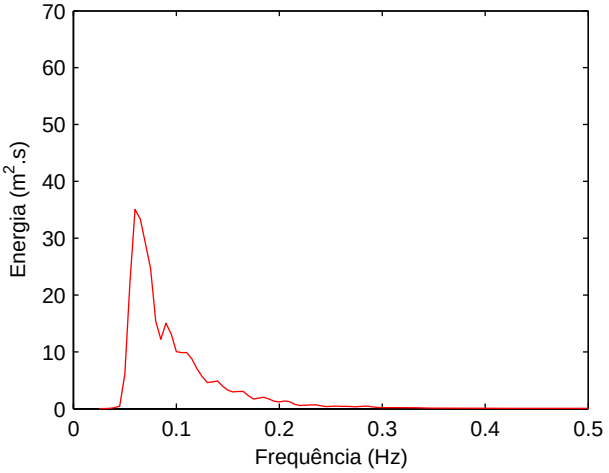
TERCEIRA − Espectro de variância − 2006NOV25 − 0108 − HM0 = 5.04m



TERCEIRA − Direcção média e dispersão − 2006NOV25 − 0108



TERCEIRA − Espectro de variância − 2006NOV25 − 0240 − HM0 = 5.02m



TERCEIRA − Direcção média e dispersão − 2006NOV25 − 0240