INSTITUTO HIDROGRÁFICO

DIVISÃO DE OCEANOGRAFIA

PJ OC 52EO08
RELATÓRIO TÉCNICO PRELIMINAR
REL. TP-OC-07/2007

TRATAMENTO DE DADOS DE AGITAÇÃO MARÍTIMA AÇORES/FLORES – OUT A DEZ 2006

MAR/2007

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EXEMPLAR Nº 1

FOLHA DE DIFUSÃO

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TÍTULO DO RELATÓRIO

Tratamento de dados de agitação marítima
Açores/Flores 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	13 de Março de 2007	112

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 ilha das Flores, 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 52EO08
RELATÓRIO TÉCNICO PRELIMINAR
REL. TP-OC-07/2007

TRATAMENTO DE DADOS DE AGITAÇÃO MARÍTIMA AÇORES/FLORES – 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 ilha das Flores, 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 = 39° 21′ 51″ N, LONGITUDE= 31° 10′ 00″ W, Sonda Reduzida = 80 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 03 de Dezembro.

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 ≥ 4.0 metros.

Adjunto da Divisão de Oceanografia
Responsável pela Secção de Agitação Marítima

Mariana Simões Costa
2007.Abr.10

Mariana Simões Costa
Assessora principal

Visto
O C / OC

16/4/07

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.

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	367	1.18	1.45	1.95	2.44	0.78	5.9	6.1	5.3	4.7	4.9	3.6	14.1
01	03-00	383	1.20	1.48	1.74	1.76	0.77	6.0	5.9	7.0	8.6	4.7	3.4	11.7
01	06-00	375	1.11	1.36	1.82	1.89	0.72	6.1	6.2	6.1	5.5	4.8	3.5	12.5
01	09-00	364	1.31	1.61	1.99	2.25	0.85	6.1	6.0	5.7	5.5	4.9	3.7	11.7
01	12-00	358	1.31	1.66	2.09	2.33	0.84	6.2	6.1	6.2	6.2	5.0	3.8	10.9
01	15-00	357	1.39	1.73	2.32	2.71	0.88	6.3	6.2	6.4	5.5	5.0	3.8	11.7
01	18-00	352	1.43	1.76	2.11	2.28	0.92	6.3	6.4	6.2	6.2	5.1	3.9	11.7
01	21-00	346	1.44	1.87	2.41	2.58	0.93	6.1	6.5	6.0	5.5	5.2	3.7	10.9
02	00-00	342	1.39	1.68	2.13	2.23	0.91	6.4	6.2	5.5	5.5	5.2	3.8	10.2
02	03-00	355	1.38	1.70	2.20	2.40	0.90	6.4	6.8	6.8	7.0	5.0	3.7	12.5
02	06-00	340	1.42	1.74	2.26	2.33	0.92	6.8	7.1	7.6	6.2	5.3	3.9	10.2
02	09-00	342	1.52	1.94	2.47	2.51	0.95	6.8	6.8	7.8	5.5	5.2	4.1	10.9
02	12-00	345	1.45	1.74	2.15	2.24	0.91	6.3	6.4	7.0	8.6	5.2	4.0	10.9
02	15-00	320	1.47	1.77	2.10	2.26	0.96	7.1	7.4	7.3	4.7	5.6	3.9	13.3
02	18-00	342	1.31	1.58	1.94	2.07	0.84	6.8	7.5	7.8	7.0	5.2	3.9	13.3
03	00-00	320	1.17	1.44	1.97	2.07	0.76	7.3	7.5	7.8	7.8	5.6	3.9	12.5
03	03-00	318	1.12	1.43	1.83	1.95	0.70	7.2	7.6	7.0	7.8	5.6	4.0	12.5
03	06-00	316	1.05	1.31	1.59	1.61	0.66	7.4	7.6	8.6	9.4	5.7	4.0	12.5
03	09-00	290	1.09	1.39	1.73	1.92	0.72	7.5	7.8	7.3	8.6	6.2	4.4	12.5
03	12-00	307	1.10	1.36	1.65	1.74	0.70	7.8	7.6	8.9	9.4	5.8	4.0	13.3
03	15-00	306	0.99	1.21	1.50	1.57	0.63	7.8	8.4	8.1	10.2	5.9	3.9	13.3
03	18-00	307	0.91	1.13	1.44	1.55	0.57	7.5	7.6	7.8	8.6	5.8	3.9	12.5
03	21-00	323	0.98	1.20	1.43	1.51	0.61	7.3	8.0	7.8	9.4	5.5	3.8	13.3
04	00-00	317	0.99	1.22	1.45	1.51	0.62	7.6	8.0	8.9	7.8	5.7	3.7	13.3
04	03-00	316	1.10	1.33	1.65	1.68	0.69	7.2	7.2	7.3	6.2	5.7	3.6	14.8
04	06-00	337	1.17	1.49	1.92	1.98	0.73	6.8	7.1	7.0	7.0	5.3	3.7	14.1
04	09-00	314	1.24	1.52	2.01	2.11	0.81	7.1	7.4	7.0	6.2	5.7	4.0	12.5
04	12-00	316	1.24	1.55	2.12	2.45	0.79	7.2	7.7	7.0	6.2	5.7	4.0	14.1
04	15-00	308	1.37	1.66	2.10	2.16	0.89	7.2	7.2	6.5	7.0	5.8	4.1	12.5
04	18-00	331	1.31	1.61	2.09	2.13	0.86	6.7	6.8	6.5	7.0	5.4	3.8	11.7
04	21-00	339	1.22	1.51	1.95	2.02	0.80	6.9	7.4	8.3	7.8	5.3	3.8	14.1
05	00-00	355	1.19	1.45	1.93	2.12	0.78	6.5	7.1	7.0	6.2	5.1	3.6	11.7
05	03-00	306	1.29	1.57	2.09	2.23	0.86	7.1	7.6	7.8	7.8	5.9	4.2	14.1
05	06-00	328	1.40	1.73	2.27	2.41	0.89	7.0	6.9	5.7	5.5	5.4	3.9	12.5
05	09-00	314	1.29	1.62	2.26	2.37	0.82	7.4	6.9	6.8	7.8	5.7	3.8	13.3
05	12-00	294	1.28	1.61	2.05	2.16	0.81	7.6	8.6	7.0	7.0	6.1	4.1	14.8
05	15-00	293	1.28	1.61	2.01	2.31	0.83	7.6	7.5	7.6	7.8	6.1	4.4	13.3
05	18-00	278	1.34	1.69	2.08	2.28	0.84	7.8	7.5	7.0	7.0	6.4	4.5	12.5
05	21-00	272	1.30	1.57	2.07	2.69	0.84	7.9	8.1	6.8	6.2	6.6	4.5	14.8
06	00-00	263	1.26	1.58	2.23	2.76	0.81	8.6	8.2	8.3	7.0	6.8	4.5	16.4
06	03-00	280	1.10	1.42	1.83	1.98	0.68	8.4	8.6	10.4	7.8	6.4	4.5	14.1
06	06-00	284	1.15	1.40	1.56	1.67	0.72	8.1	8.2	8.1	7.0	6.3	4.0	13.3
06	09-00	285	1.07	1.36	1.89	1.98	0.67	8.2	8.2	7.6	8.6	6.3	3.9	16.4
06	12-00	314	1.07	1.35	1.60	1.67	0.67	7.8	8.1	8.3	8.6	5.7	3.8	12.5
06	15-00	315	1.00	1.24	1.54	1.62	0.61	8.5	9.1	8.9	8.6	5.7	3.4	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)
06	18-00	297	0.88	1.09	1.49	1.55	0.55	8.6	9.1	9.6	9.4	6.0	3.7	14.1
06	21-00	263	0.98	1.20	1.45	1.53	0.63	8.9	9.2	7.6	10.2	6.8	4.3	14.1
07	00-00	285	0.95	1.17	1.44	1.55	0.60	8.3	8.6	7.6	6.2	6.3	4.1	13.3
07	03-00	280	1.00	1.27	1.57	1.75	0.62	8.7	8.9	9.4	7.8	6.4	4.3	15.6
07	06-00	263	0.91	1.13	1.46	1.60	0.58	8.8	9.2	10.4	10.9	6.8	4.2	14.8
07	09-00	278	0.89	1.09	1.28	1.30	0.56	8.6	8.6	8.6	9.4	6.4	3.9	15.6
07	12-00	317	0.90	1.15	1.54	1.55	0.56	8.2	9.0	10.2	7.8	5.7	3.4	14.1
07	15-00	296	0.87	1.09	1.43	1.52	0.55	8.4	8.8	9.1	8.6	6.1	3.8	13.3
07	18-00	380	1.05	1.31	1.65	1.78	0.69	5.9	6.3	5.3	5.5	4.7	3.5	13.3
07	21-00	402	1.12	1.39	1.75	1.95	0.73	5.3	5.4	4.9	5.5	4.5	3.5	10.2
08	00-00	380	1.21	1.51	1.78	1.83	0.79	5.9	5.8	5.3	5.5	4.7	3.6	11.7
08	03-00	362	1.05	1.28	1.53	1.55	0.68	6.2	6.5	5.7	5.5	5.0	3.6	10.9
08	06-00	380	0.81	1.04	1.33	1.49	0.50	6.5	7.2	7.4	8.6	4.7	3.0	10.9
08	09-00	354	1.10	1.36	1.83	2.29	0.68	6.7	7.0	7.8	7.0	5.1	3.6	10.2
08	12-00	379	1.11	1.37	1.63	1.69	0.71	5.9	6.2	5.5	5.5	4.7	3.4	10.9
08	15-00	361	1.11	1.39	1.88	1.97	0.72	6.0	5.9	5.7	5.5	5.0	3.7	11.7
08	18-00	358	0.99	1.22	1.57	1.85	0.65	6.4	6.5	6.2	6.2	5.0	3.7	14.1
08	21-00	367	1.00	1.24	1.60	1.65	0.63	6.4	7.2	8.2	10.2	4.9	3.5	11.7
09	00-00	361	1.09	1.40	1.82	2.06	0.69	6.3	6.3	5.7	5.5	5.0	3.6	12.5
09	03-00	337	1.08	1.32	1.61	1.72	0.70	6.4	6.2	6.2	7.8	5.3	4.2	11.7
09	06-00	335	1.01	1.25	1.61	1.77	0.65	6.6	6.7	6.8	6.2	5.4	4.1	12.5
09	09-00	315	0.98	1.17	1.44	1.48	0.66	6.8	7.1	9.1	12.5	5.7	4.3	12.5
09	12-00	349	0.93	1.18	1.52	1.58	0.58	6.3	6.5	5.7	6.2	5.1	4.2	12.5
09	15-00	352	0.84	1.04	1.30	1.46	0.54	6.5	6.2	6.2	6.2	5.1	3.5	11.7
09	18-00	389	0.87	1.09	1.42	1.55	0.56	6.2	7.0	6.4	4.7	4.6	3.3	13.3
10	00-00	374	1.03	1.30	1.57	1.69	0.66	5.8	5.6	5.7	5.5	4.8	3.7	10.2
10	03-00	372	1.25	1.53	1.95	2.03	0.80	5.6	5.6	5.9	5.5	4.8	3.7	10.9
10	06-00	341	0.93	1.17	1.51	1.62	0.60	6.7	6.5	5.2	5.5	5.3	4.0	14.1
10	09-00	319	0.87	1.06	1.33	1.43	0.56	7.1	7.2	6.8	6.2	5.6	3.9	16.4
10	12-00	309	0.87	1.08	1.38	1.46	0.56	7.5	8.3	8.3	10.2	5.8	3.9	14.1
10	15-00	351	0.86	1.06	1.31	1.38	0.56	6.9	7.7	7.8	10.2	5.1	3.5	11.7
10	18-00	342	0.87	1.06	1.34	1.39	0.54	7.1	7.5	9.1	7.0	5.2	3.6	13.3
10	21-00	313	0.80	1.02	1.28	1.32	0.51	7.2	7.8	7.6	6.2	5.7	4.1	12.5
11	00-00	311	0.88	1.11	1.56	1.67	0.56	7.4	7.9	7.8	9.4	5.8	4.0	13.3
11	03-00	352	0.82	1.03	1.31	1.50	0.53	7.3	8.1	8.0	9.4	5.1	3.4	14.1
11	06-00	316	0.72	0.87	0.98	1.01	0.44	8.1	8.5	7.6	9.4	5.7	3.7	14.1
11	09-00	314	0.74	0.93	1.14	1.19	0.46	7.7	8.3	9.1	9.4	5.7	3.7	13.3
11	15-00	359	0.63	0.78	0.90	0.97	0.39	7.1	7.8	8.0	6.2	5.0	3.2	12.5
11	18-00	364	0.65	0.82	1.05	1.15	0.41	7.2	8.7	8.4	7.0	4.9	3.2	14.1
11	21-00	428	0.71	0.89	1.19	1.33	0.47	5.4	5.5	5.5	7.8	4.2	3.1	13.3
12	00-00	426	1.09	1.35	1.58	1.62	0.70	5.0	4.8	4.5	5.5	4.2	3.4	10.9
12	03-00	383	1.22	1.51	1.85	1.93	0.77	5.5	5.5	6.2	6.2	4.7	3.6	10.9
12	06-00	385	1.26	1.56	1.96	2.14	0.80	5.7	5.7	5.3	4.7	4.7	3.6	10.2
12	12-00	286	1.28	1.62	1.94	2.04	0.85	7.1	7.0	6.5	7.0	6.3	4.9	12.5
12	15-00	305	1.25	1.59	2.18	2.51	0.78	7.0	7.1	7.6	7.8	5.9	4.2	11.7

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)
12	18-00	291	1.25	1.54	2.09	2.32	0.79	7.3	7.3	7.6	7.8	6.2	4.3	11.7
12	21-00	315	1.14	1.44	1.76	1.78	0.70	7.2	7.5	7.0	7.0	5.7	4.1	10.2
13	00-00	305	1.07	1.34	1.59	1.65	0.67	7.2	7.1	7.8	7.8	5.9	4.4	11.7
13	03-00	307	0.92	1.11	1.44	1.52	0.62	7.2	7.2	6.5	6.2	5.8	4.1	11.7
13	06-00	325	0.91	1.11	1.51	1.91	0.60	7.0	6.5	7.3	7.8	5.5	3.7	13.3
13	09-00	320	0.96	1.17	1.37	1.43	0.63	7.3	8.1	9.9	9.4	5.6	4.0	14.8
13	12-00	286	1.08	1.34	1.64	1.74	0.69	8.9	10.9	12.5	13.3	6.3	3.9	15.6
13	15-00	317	0.99	1.29	1.65	1.67	0.63	7.8	9.5	9.4	10.2	5.7	3.5	15.6
13	18-00	311	0.88	1.08	1.26	1.31	0.57	7.7	8.4	6.8	4.7	5.8	3.9	16.4
13	21-00	293	0.99	1.28	1.69	1.89	0.63	8.3	9.5	8.9	7.8	6.1	3.9	14.1
14	00-00	266	0.96	1.21	1.50	1.61	0.61	9.4	10.9	12.0	10.2	6.7	4.3	18.0
14	03-00	274	0.96	1.20	1.50	1.53	0.61	8.9	10.0	9.4	8.6	6.5	4.2	15.6
14	06-00	307	0.95	1.20	1.40	1.48	0.61	8.3	10.0	10.9	8.6	5.8	3.7	18.0
14	09-00	338	0.92	1.16	1.55	1.65	0.59	7.2	8.8	8.9	10.2	5.3	3.6	17.2
14	12-00	318	0.93	1.13	1.44	1.64	0.60	7.8	9.2	10.7	11.7	5.6	3.7	14.8
14	15-00	316	0.98	1.15	1.34	1.42	0.64	7.3	7.9	7.0	9.4	5.7	3.6	15.6
14	18-00	312	1.02	1.30	1.59	1.65	0.64	8.1	9.4	10.7	8.6	5.7	3.7	14.1
15	15-00	310	1.20	1.45	1.84	2.03	0.78	7.1	7.3	6.8	9.4	5.8	4.1	17.2
15	18-00	307	1.16	1.44	1.92	1.98	0.74	7.5	7.6	8.6	7.0	5.8	3.8	16.4
15	21-00	300	1.17	1.45	1.88	2.03	0.74	7.5	7.6	8.3	8.6	6.0	4.1	15.6
16	00-00	309	1.25	1.54	2.04	2.21	0.80	7.6	7.6	6.8	7.0	5.8	4.1	12.5
16	03-00	288	1.21	1.51	1.84	1.91	0.76	7.8	7.4	7.3	8.6	6.2	4.6	15.6
16	06-00	289	1.26	1.52	2.09	2.71	0.82	7.4	7.3	7.6	7.0	6.2	4.3	13.3
16	09-00	296	1.23	1.52	1.80	1.88	0.80	7.8	8.2	8.3	7.0	6.1	4.2	13.3
16	12-00	301	1.13	1.41	1.75	1.90	0.73	7.4	8.2	8.9	9.4	5.9	4.1	14.8
16	15-00	296	1.09	1.37	1.72	1.79	0.71	7.7	8.5	8.9	10.9	6.0	4.0	15.6
16	18-00	284	1.40	1.75	2.07	2.23	0.86	8.1	8.6	9.4	9.4	6.3	4.3	12.5
16	21-00	249	1.71	2.10	2.59	2.59	1.09	8.8	9.1	8.6	9.4	7.2	4.7	15.6
17	00-00	248	1.95	2.41	3.04	3.12	1.29	8.6	9.2	9.4	8.6	7.2	5.0	14.1
17	03-00	263	1.73	2.13	2.61	2.87	1.12	8.8	9.0	9.4	10.9	6.8	4.7	14.1
17	06-00	254	1.59	1.97	2.46	2.58	1.01	8.8	8.9	9.1	9.4	7.0	4.7	14.1
17	09-00	240	1.88	2.29	2.74	2.79	1.21	9.3	9.1	8.6	7.0	7.5	4.7	14.8
17	12-00	248	2.08	2.59	2.85	2.87	1.29	9.2	9.2	9.8	10.2	7.2	4.9	13.3
17	15-00	263	1.75	2.17	2.67	2.81	1.08	8.8	9.1	8.6	7.8	6.8	4.5	16.4
17	18-00	268	1.53	1.94	2.44	2.61	0.95	8.6	8.3	9.4	8.6	6.7	4.7	13.3
17	21-00	262	1.60	2.00	2.64	2.77	0.99	8.5	8.9	9.6	9.4	6.8	4.8	14.1
18	00-00	282	1.59	1.98	2.43	2.64	0.99	8.5	8.8	9.4	9.4	6.4	4.3	12.5
18	03-00	241	1.42	1.84	2.56	2.60	0.91	9.0	9.1	8.6	8.6	7.4	4.7	14.8
18	06-00	248	1.57	1.93	2.31	2.35	0.96	9.2	9.3	8.2	7.8	7.2	4.5	13.3
18	12-00	298	1.72	2.21	2.89	3.14	1.06	8.6	8.5	7.8	7.8	6.0	3.6	14.1
18	15-00	350	1.56	1.89	2.39	2.64	1.01	6.4	6.5	7.4	6.2	5.1	3.6	10.9
18	18-00	331	2.28	2.81	3.66	3.84	1.44	6.1	6.2	6.2	6.2	5.4	4.3	10.2
18	21-00	299	2.75	3.47	5.13	5.79	1.74	6.9	7.1	7.0	7.0	6.0	4.5	10.2
19	00-00	280	2.11	2.65	3.27	3.48	1.35	7.6	7.7	7.3	7.0	6.4	4.8	10.9
19	03-00	282	1.60	1.97	2.56	2.73	1.04	7.5	7.5	7.3	7.0	6.3	4.7	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)
19	06-00	279	1.44	1.81	2.36	2.54	0.91	7.6	7.6	8.1	7.0	6.4	5.0	11.7
19	09-00	291	1.43	1.77	2.16	2.24	0.91	7.1	6.8	6.8	7.0	6.1	4.7	10.9
19	12-00	312	1.22	1.47	1.74	1.79	0.78	7.1	7.1	7.8	8.6	5.8	4.2	10.2
19	15-00	291	1.37	1.67	2.09	2.21	0.87	7.7	8.2	8.3	8.6	6.2	4.1	10.9
19	18-00	281	1.45	1.80	2.37	2.66	0.87	8.3	8.3	8.9	7.8	6.4	4.0	12.5
19	21-00	282	1.50	1.88	2.21	2.24	0.93	8.6	9.3	9.6	10.9	6.3	3.9	14.1
20	00-00	326	1.35	1.68	2.07	2.15	0.83	7.6	7.9	8.9	10.9	5.5	3.7	14.1
20	03-00	330	1.48	1.84	2.45	2.49	0.93	6.9	7.0	7.8	7.8	5.4	4.1	12.5
20	06-00	311	1.68	2.15	2.90	3.20	1.11	6.7	7.3	8.6	7.0	5.8	4.5	13.3
20	09-00	301	1.68	2.02	2.45	2.60	1.10	7.4	7.8	9.4	8.6	6.0	4.2	13.3
20	12-00	304	1.52	1.87	2.40	2.74	0.97	7.6	8.3	8.1	5.5	5.9	3.8	13.3
20	18-00	315	1.45	1.76	2.29	2.45	0.94	7.5	8.1	8.1	7.0	5.7	3.9	15.6
20	21-00	320	1.72	2.06	2.43	2.48	1.10	7.2	7.6	7.8	9.4	5.6	4.1	14.1
21	00-00	350	1.67	2.03	2.54	2.71	1.07	6.4	6.9	7.4	5.5	5.1	3.9	13.3
21	03-00	353	1.78	2.17	2.72	3.09	1.16	6.1	6.2	6.2	7.0	5.1	3.9	10.9
21	06-00	325	2.09	2.67	3.49	3.61	1.36	6.5	6.5	6.2	6.2	5.5	4.1	11.7
21	09-00	313	2.20	2.70	3.64	3.90	1.36	7.0	7.3	6.8	7.0	5.7	4.3	10.9
21	12-00	286	2.01	2.51	3.34	3.77	1.31	7.6	7.8	8.3	8.6	6.3	4.5	11.7
21	15-00	263	2.09	2.60	3.32	3.57	1.34	8.1	8.4	8.3	8.6	6.8	5.3	11.7
21	18-00	243	2.13	2.68	3.23	3.24	1.36	8.3	8.3	8.2	8.6	7.4	5.6	16.4
21	21-00	284	1.79	2.27	2.84	3.06	1.11	7.8	8.0	7.6	8.6	6.3	4.8	11.7
22	00-00	275	1.67	2.07	2.49	2.52	1.09	8.1	8.1	8.1	7.8	6.5	4.8	12.5
22	03-00	286	1.63	1.99	2.49	2.66	1.00	8.3	8.3	8.3	8.6	6.2	3.9	13.3
22	06-00	288	1.64	2.06	2.57	2.66	1.00	8.2	8.9	9.6	10.2	6.2	3.8	13.3
22	15-00	291	1.59	2.01	2.66	2.74	0.98	7.7	8.2	7.6	7.8	6.1	4.1	12.5
22	18-00	273	1.48	1.87	2.54	2.60	0.96	7.8	7.8	7.3	7.0	6.6	5.0	12.5
22	21-00	278	1.40	1.77	2.22	2.27	0.89	8.0	7.5	7.8	7.8	6.5	4.6	18.0
23	00-00	271	1.53	1.91	2.27	2.36	1.00	8.2	8.6	7.6	7.0	6.6	4.7	13.3
23	03-00	286	1.50	1.85	2.20	2.27	0.96	8.1	7.9	9.1	11.7	6.3	4.1	14.8
23	06-00	374	1.50	1.87	2.33	2.38	0.95	6.1	6.4	6.4	7.0	4.8	3.7	10.9
23	09-00	297	1.38	1.69	2.11	2.27	0.88	7.7	8.0	9.1	9.4	6.1	4.2	14.1
23	12-00	320	1.41	1.71	2.10	2.29	0.90	7.2	7.3	7.6	7.0	5.6	3.9	12.5
23	15-00	343	1.56	1.89	2.35	2.38	1.00	6.4	6.9	6.5	4.7	5.2	3.8	11.7
23	18-00	308	1.75	2.18	2.64	2.71	1.14	7.0	6.9	6.5	6.2	5.8	4.1	10.9
23	21-00	305	1.92	2.39	3.06	3.09	1.21	7.1	7.2	6.2	6.2	5.9	4.2	10.9
24	00-00	326	2.05	2.51	3.12	3.45	1.28	6.9	6.9	7.0	7.0	5.5	3.9	10.9
24	03-00	286	1.88	2.35	3.04	3.37	1.19	7.7	7.9	8.3	7.8	6.2	4.3	11.7
24	06-00	253	2.53	3.22	4.26	4.84	1.58	8.3	8.4	8.6	7.8	7.1	5.1	11.7
24	09-00	218	3.17	3.95	4.66	4.71	1.98	9.6	9.7	11.3	11.7	8.2	5.8	15.6
24	12-00	198	3.34	4.05	4.70	4.88	2.15	10.5	10.6	9.8	10.2	9.1	5.5	15.6
24	15-00	195	3.64	4.39	5.39	5.47	2.31	11.5	11.6	11.3	10.2	9.2	5.9	16.4
24	18-00	201	3.52	4.51	5.43	5.57	2.19	11.2	11.4	11.3	11.7	8.9	6.3	15.6
24	21-00	227	2.77	3.51	4.39	4.65	1.70	10.7	11.0	9.4	9.4	7.9	5.2	14.8
25	00-00	215	2.75	3.43	4.08	4.09	1.72	10.9	11.3	11.7	12.5	8.3	5.2	15.6
25	03-00	238	2.36	3.04	4.02	4.09	1.44	9.8	10.4	10.9	11.7	7.5	5.1	14.8

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	06-00	221	2.22	2.77	3.30	3.31	1.39	10.2	10.3	11.3	10.2	8.1	5.0	14.8
25	09-00	232	1.85	2.28	3.17	3.22	1.21	9.9	10.0	9.0	8.6	7.7	5.1	14.8
25	12-00	250	1.90	2.36	2.93	3.04	1.19	9.3	10.1	10.9	11.7	7.2	5.0	14.1
25	15-00	252	1.74	2.13	2.41	2.42	1.10	9.1	9.0	9.6	8.6	7.1	4.6	14.1
25	18-00	243	1.74	2.07	2.47	2.64	1.11	9.2	9.3	10.9	10.2	7.4	4.9	14.8
25	21-00	261	1.67	2.10	2.53	2.65	1.05	9.1	9.4	9.9	10.2	6.9	4.2	13.3
26	00-00	304	1.53	1.90	2.44	2.58	0.96	8.2	8.6	8.3	8.6	5.9	3.9	13.3
26	03-00	288	1.73	2.15	2.72	2.90	1.09	8.5	9.1	9.4	10.2	6.2	3.9	13.3
26	06-00	297	1.88	2.36	2.96	3.06	1.16	8.3	8.8	8.3	7.8	6.0	4.0	13.3
26	09-00	298	1.93	2.47	3.11	3.22	1.21	8.2	8.3	8.6	7.8	6.0	4.0	14.8
26	12-00	310	1.82	2.34	3.02	3.19	1.14	7.5	7.9	7.8	7.8	5.8	4.0	12.5
26	15-00	325	1.61	1.95	2.49	2.62	1.02	7.3	7.7	8.1	8.6	5.5	3.9	12.5
26	18-00	320	1.75	2.14	2.70	2.83	1.14	7.3	7.7	6.0	5.5	5.6	4.1	12.5
26	21-00	269	2.13	2.64	3.44	3.77	1.34	8.7	8.7	8.1	6.2	6.7	4.3	13.3
27	00-00	275	2.15	2.76	3.41	3.70	1.35	8.8	9.1	9.4	7.0	6.5	4.4	14.1
27	03-00	275	2.28	2.84	3.55	3.68	1.43	8.9	9.2	9.1	9.4	6.5	4.4	13.3
27	06-00	271	2.10	2.60	3.11	3.19	1.33	9.0	9.3	9.6	9.4	6.6	4.5	13.3
27	09-00	272	2.41	3.09	3.66	3.83	1.45	8.7	8.7	9.4	7.8	6.6	4.7	14.8
27	12-00	293	1.98	2.49	3.40	3.91	1.27	8.4	8.8	8.6	9.4	6.1	4.1	12.5
27	15-00	307	2.05	2.65	3.41	3.53	1.26	7.8	8.5	10.2	9.4	5.8	4.1	13.3
27	18-00	287	2.08	2.57	3.28	3.72	1.31	8.1	8.5	8.3	7.8	6.2	4.1	13.3
27	21-00	291	2.09	2.51	3.29	3.79	1.30	7.9	8.0	8.3	7.8	6.1	4.4	15.6
28	00-00	294	2.01	2.56	3.33	3.99	1.27	7.7	7.8	7.6	8.6	6.1	4.2	15.6
28	03-00	284	1.88	2.40	3.11	3.20	1.18	8.0	8.2	8.9	7.0	6.3	4.3	14.8
28	06-00	267	1.92	2.43	3.31	3.84	1.26	8.5	8.3	7.6	8.6	6.7	4.3	14.1
28	09-00	280	1.89	2.40	3.05	3.09	1.16	8.3	8.7	9.1	7.8	6.4	4.5	13.3
28	12-00	295	1.89	2.34	2.66	2.70	1.18	8.1	8.1	6.5	7.0	6.1	4.2	12.5
28	15-00	290	1.89	2.35	3.23	3.53	1.19	8.2	8.9	8.1	7.8	6.2	4.1	14.1
28	18-00	285	1.74	2.18	2.85	3.05	1.08	8.3	8.5	8.3	7.8	6.3	4.2	12.5
28	21-00	257	1.73	2.12	2.54	2.55	1.12	8.7	9.0	9.4	8.6	7.0	4.8	14.1
29	00-00	293	1.58	1.99	2.38	2.70	0.98	8.2	8.9	9.4	9.4	6.1	4.0	13.3
29	03-00	321	1.65	2.06	2.44	2.55	1.07	7.1	7.9	8.3	10.2	5.6	3.9	11.7
29	06-00	304	1.69	2.06	2.53	2.61	1.10	7.3	7.6	8.6	7.0	5.9	4.0	11.7
29	09-00	276	1.51	1.92	2.58	2.72	0.98	8.2	8.3	7.8	7.8	6.5	4.5	13.3
29	12-00	297	1.32	1.61	1.96	2.04	0.80	8.2	8.2	8.9	10.2	6.0	4.1	12.5
29	15-00	315	1.21	1.57	2.17	2.26	0.73	7.8	8.8	8.9	8.6	5.7	3.7	11.7
29	18-00	331	1.24	1.54	2.01	2.08	0.77	7.6	7.8	6.8	6.2	5.4	3.5	11.7
29	21-00	347	1.24	1.53	1.81	1.88	0.77	7.0	7.9	8.6	8.6	5.2	3.4	10.9
30	00-00	318	1.41	1.74	2.22	2.28	0.87	7.6	7.4	7.8	6.2	5.6	4.0	14.8
30	03-00	312	1.46	1.81	2.51	2.70	0.93	7.4	7.6	7.6	7.8	5.8	3.9	13.3
30	06-00	318	1.67	2.11	2.72	2.87	1.03	7.2	7.6	7.0	7.8	5.6	4.2	10.9
30	09-00	298	1.92	2.44	3.15	3.22	1.25	7.1	7.0	7.0	7.0	6.0	4.2	11.7
30	15-00	323	1.57	1.95	2.46	2.61	0.98	7.2	7.0	6.8	7.0	5.5	4.0	11.7
30	18-00	302	1.46	1.84	2.27	2.50	0.92	7.4	7.7	7.8	7.0	5.9	4.3	11.7
30	21-00	297	1.37	1.75	2.21	2.25	0.89	7.4	7.7	7.3	6.2	6.0	4.1	11.7

PARAMETROS CALCULADOS PELO METODO DIRECTO FLORES 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)
31	00-00	308	1.31	1.65	2.12	2.21	0.82	7.5	7.7	7.6	8.6	5.8	4.0	12.5
31	03-00	358	1.27	1.55	2.02	2.21	0.80	6.6	6.9	7.0	7.8	5.0	3.6	10.2
31	06-00	362	1.30	1.60	2.02	2.34	0.82	6.3	6.5	7.0	5.5	5.0	3.8	10.9
31	09-00	352	1.29	1.63	1.96	2.13	0.83	6.2	6.2	6.2	7.0	5.1	3.9	11.7
31	12-00	333	1.20	1.51	2.05	2.19	0.78	6.6	6.8	6.5	5.5	5.4	3.8	11.7
31	15-00	326	1.33	1.67	2.11	2.15	0.81	6.8	6.8	6.8	7.0	5.5	4.0	10.9
31	18-00	322	1.36	1.69	1.98	2.06	0.85	6.9	7.0	6.8	6.2	5.6	4.1	11.7
31	21-00	315	1.49	1.89	2.53	2.58	0.93	7.0	6.7	7.0	6.2	5.7	4.1	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)
01	00-00	298	1.58	2.02	2.54	2.77	0.99	7.4	7.4	7.6	7.8	6.0	4.4	10.9
01	03-00	281	1.46	1.80	2.36	2.58	0.93	7.7	7.7	7.0	7.0	6.4	4.4	12.5
01	06-00	273	1.44	1.81	2.31	2.47	0.93	7.9	7.8	7.0	7.8	6.6	4.4	12.5
01	09-00	260	1.63	2.03	2.53	2.78	1.03	8.4	8.7	7.8	8.6	6.9	4.8	16.4
01	12-00	247	1.73	2.12	2.65	2.69	1.10	8.9	9.1	8.2	8.6	7.2	4.9	14.1
01	15-00	253	1.50	1.91	2.44	2.96	0.96	8.8	8.5	7.8	7.0	7.1	4.8	17.2
01	18-00	254	1.48	1.87	2.26	2.29	0.95	8.6	9.0	7.0	7.8	7.0	4.9	15.6
01	21-00	232	1.64	2.01	2.63	2.63	1.06	9.3	9.4	7.8	7.8	7.7	5.1	15.6
02	00-00	230	1.64	1.95	2.44	2.52	1.08	9.3	9.1	9.4	9.4	7.7	4.8	14.8
02	03-00	228	1.63	2.04	2.60	2.67	1.07	9.5	9.1	8.2	7.8	7.8	5.5	14.8
02	06-00	226	1.55	1.94	2.54	2.73	0.98	10.1	10.5	9.8	10.2	7.9	4.9	16.4
02	12-00	243	1.76	2.23	2.80	2.85	1.11	10.2	10.1	10.2	10.2	7.4	4.2	15.6
02	15-00	251	1.88	2.40	2.93	3.06	1.10	10.3	11.0	10.7	9.4	7.1	4.1	15.6
02	18-00	270	1.61	2.07	2.72	2.80	0.99	9.3	9.3	10.9	11.7	6.6	4.0	15.6
02	21-00	263	1.55	1.92	2.41	2.52	0.98	9.2	9.6	9.6	9.4	6.8	4.4	14.8
03	00-00	263	1.52	1.92	2.60	2.87	0.95	8.8	8.9	9.1	8.6	6.8	4.2	14.8
03	03-00	289	1.40	1.66	1.93	1.96	0.87	8.4	8.8	9.1	8.6	6.2	4.0	13.3
03	06-00	301	1.37	1.71	2.06	2.23	0.85	8.0	8.4	8.1	7.8	6.0	3.8	12.5
03	09-00	294	1.48	1.83	2.43	2.76	0.94	7.9	8.6	8.3	9.4	6.1	4.2	14.1
03	15-00	293	1.33	1.66	2.01	2.16	0.84	7.9	8.4	7.0	7.8	6.1	4.2	13.3
03	18-00	299	1.46	1.78	2.19	2.35	0.89	8.3	8.0	8.9	8.6	6.0	4.1	11.7
03	21-00	270	1.70	2.11	2.59	2.76	1.10	7.9	8.4	8.3	7.8	6.6	4.5	13.3
04	00-00	303	1.79	2.23	2.96	3.20	1.17	7.2	7.4	6.2	6.2	5.9	4.5	14.1
04	03-00	306	1.84	2.29	2.97	3.31	1.14	7.4	7.5	7.0	7.0	5.9	4.4	10.9
04	06-00	290	1.83	2.27	2.83	3.11	1.18	7.5	7.4	7.0	6.2	6.2	4.4	12.5
04	09-00	296	1.85	2.35	2.85	2.86	1.17	7.7	7.9	7.6	7.0	6.1	4.1	12.5
04	12-00	287	2.23	2.82	3.65	3.76	1.43	7.7	8.0	8.3	8.6	6.2	4.6	11.7
04	15-00	287	2.09	2.59	3.36	3.40	1.29	7.7	8.2	8.3	7.0	6.2	4.2	13.3
04	18-00	283	1.90	2.42	3.30	3.49	1.19	8.1	8.6	8.3	8.6	6.3	4.4	12.5
04	21-00	258	2.01	2.51	3.35	3.58	1.31	8.4	8.4	8.6	8.6	7.0	4.6	12.5
05	00-00	238	2.17	2.68	3.85	4.05	1.40	9.1	9.1	7.8	7.8	7.5	5.1	14.1
05	03-00	253	2.13	2.63	3.29	3.47	1.36	9.0	9.6	9.1	8.6	7.1	4.7	14.1
05	06-00	248	2.04	2.54	3.40	3.67	1.30	8.5	8.8	9.0	9.4	7.2	5.3	13.3
05	09-00	259	2.01	2.52	3.07	3.50	1.25	8.7	9.0	8.9	7.8	6.9	4.9	12.5
05	12-00	237	2.30	2.79	3.28	3.29	1.52	9.3	9.3	8.6	9.4	7.5	5.2	13.3
05	15-00	228	2.04	2.50	3.05	3.17	1.29	9.3	9.1	10.2	9.4	7.8	5.1	13.3
05	18-00	221	1.87	2.36	3.05	3.17	1.19	9.9	9.8	9.4	9.4	8.1	5.5	15.6
05	21-00	237	1.81	2.21	2.76	2.78	1.13	9.2	9.4	9.0	9.4	7.5	5.1	14.1
06	00-00	223	2.18	2.66	3.07	3.07	1.37	9.7	9.0	11.3	12.5	8.1	5.7	14.8
06	03-00	237	2.01	2.51	3.30	3.53	1.27	9.3	9.4	9.8	9.4	7.5	5.4	14.1
06	06-00	225	2.01	2.50	3.16	3.19	1.22	9.7	9.7	10.2	10.9	7.9	5.5	15.6
06	09-00	221	1.62	1.97	2.51	2.68	1.04	9.6	10.0	9.8	9.4	8.1	5.5	15.6
06	12-00	228	1.83	2.24	2.65	2.68	1.17	8.9	9.0	9.4	8.6	7.9	5.7	13.3
06	15-00	222	1.73	2.18	2.62	2.62	1.10	9.6	9.8	8.6	8.6	8.1	5.2	13.3
06	18-00	218	1.46	1.77	2.24	2.30	0.96	9.5	10.2	9.4	9.4	8.2	5.5	14.8

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)
06	21-00	222	1.36	1.74	2.10	2.19	0.85	9.7	10.0	9.8	10.2	8.1	5.1	14.8
07	00-00	221	1.57	2.00	2.47	2.48	0.98	9.9	9.8	8.6	7.8	8.1	4.7	16.4
07	03-00	246	1.55	1.93	2.39	2.48	0.97	9.6	9.7	9.0	7.8	7.3	4.1	14.1
07	06-00	275	1.35	1.71	2.32	2.43	0.83	9.2	9.4	10.4	10.9	6.5	4.0	12.5
07	09-00	242	1.46	1.81	2.30	2.49	0.90	9.5	9.6	9.0	8.6	7.4	4.3	14.1
07	12-00	254	1.34	1.69	2.17	2.29	0.81	9.6	9.3	8.6	8.6	7.0	4.1	14.1
07	15-00	287	1.24	1.55	1.83	1.91	0.75	9.0	9.1	8.6	8.6	6.2	3.9	12.5
07	18-00	318	1.04	1.28	1.58	1.69	0.64	8.4	8.9	9.6	8.6	5.6	3.7	12.5
07	21-00	364	1.07	1.35	1.62	1.67	0.70	6.8	7.7	8.8	10.2	4.9	3.5	11.7
08	00-00	363	1.26	1.55	1.86	2.04	0.82	6.5	6.9	6.2	7.8	4.9	3.6	11.7
08	03-00	342	1.53	1.88	2.44	2.72	1.00	6.4	6.6	6.0	5.5	5.2	4.0	11.7
08	06-00	363	1.60	1.98	2.65	2.94	1.03	6.0	6.1	6.2	7.8	4.9	3.9	10.2
08	09-00	350	1.62	2.09	2.52	2.59	1.07	6.1	6.0	6.4	6.2	5.1	3.9	10.2
08	12-00	338	1.79	2.21	2.87	3.08	1.17	6.0	5.9	6.2	6.2	5.3	4.2	10.2
08	15-00	358	1.71	2.18	2.69	2.73	1.10	6.0	6.0	6.2	6.2	5.0	4.1	10.2
08	18-00	347	1.87	2.34	3.07	3.58	1.18	6.1	6.4	6.0	6.2	5.2	4.0	9.4
08	21-00	334	1.63	2.05	2.65	2.86	1.03	6.2	6.2	6.0	6.2	5.4	4.3	10.2
09	00-00	335	1.62	2.01	2.57	2.64	1.05	6.2	6.1	6.2	7.0	5.3	4.2	10.2
09	03-00	312	1.78	2.15	2.99	3.11	1.16	6.6	6.6	6.5	7.0	5.7	4.5	10.2
09	09-00	297	1.90	2.50	3.13	3.37	1.15	7.5	7.5	6.8	7.0	6.0	4.4	10.9
09	12-00	325	1.74	2.15	2.65	2.72	1.10	7.1	7.3	7.3	7.0	5.5	4.1	10.9
09	15-00	330	1.76	2.21	2.86	2.99	1.07	6.8	6.9	7.0	6.2	5.4	3.9	10.9
09	18-00	332	1.44	1.81	2.28	2.39	0.91	6.9	7.2	7.6	7.8	5.4	3.7	10.9
09	21-00	317	1.84	2.35	2.94	3.06	1.12	7.6	7.9	7.0	7.0	5.7	3.8	10.9
10	00-00	346	1.68	2.22	3.47	4.29	1.02	6.9	7.3	6.5	6.2	5.2	3.7	10.9
10	03-00	297	2.01	2.54	3.31	3.43	1.27	7.6	7.4	7.8	7.0	6.0	4.2	10.9
10	06-00	311	2.15	2.67	3.40	3.78	1.33	7.4	7.4	7.6	7.8	5.8	4.3	11.7
10	09-00	313	2.03	2.51	3.19	3.29	1.27	7.4	8.0	7.8	7.8	5.7	4.1	10.9
10	12-00	296	2.06	2.52	3.30	3.53	1.34	7.9	7.9	7.3	7.0	6.0	4.2	14.1
10	15-00	287	2.10	2.68	3.43	3.68	1.31	7.8	8.1	7.3	6.2	6.2	4.6	11.7
10	18-00	292	2.00	2.54	3.66	4.09	1.24	7.6	7.9	7.8	7.8	6.1	4.4	10.9
10	21-00	298	1.85	2.25	2.86	3.05	1.17	7.7	8.0	7.6	7.8	6.0	4.5	11.7
11	03-00	312	1.96	2.43	2.95	3.18	1.25	7.1	7.0	7.0	5.5	5.7	4.4	10.9
11	06-00	315	2.08	2.56	3.30	3.40	1.33	6.9	7.1	6.0	7.0	5.7	4.2	10.9
11	09-00	315	2.15	2.65	3.37	3.43	1.34	7.0	7.2	7.6	7.0	5.7	4.2	11.7
11	12-00	304	2.10	2.63	3.22	3.37	1.27	7.4	7.1	6.8	6.2	5.9	4.4	10.9
11	15-00	304	2.15	2.69	3.54	3.97	1.33	7.4	7.4	7.8	7.8	5.9	4.3	10.9
11	18-00	309	2.36	2.98	3.82	3.85	1.45	7.6	7.8	7.3	7.0	5.8	4.5	10.9
11	21-00	291	2.45	3.06	3.58	3.87	1.53	7.5	7.7	8.1	7.8	6.1	4.6	12.5
12	00-00	277	2.55	3.11	4.05	4.37	1.62	7.9	8.0	7.3	7.0	6.5	4.5	11.7
12	03-00	278	2.66	3.42	4.61	5.71	1.64	8.4	8.1	7.8	7.8	6.4	4.5	12.5
12	06-00	272	2.62	3.13	3.74	4.10	1.70	8.0	7.8	7.8	7.8	6.6	4.8	13.3
12	09-00	275	2.53	3.05	3.77	3.85	1.61	8.1	7.9	8.9	7.8	6.5	4.8	13.3
12	12-00	263	2.69	3.30	4.34	4.98	1.71	8.4	8.5	8.6	9.4	6.8	4.8	12.5
12	15-00	277	2.54	3.14	3.93	4.09	1.59	8.0	8.3	8.1	8.6	6.5	4.5	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)
12	18-00	278	2.48	3.10	3.58	3.63	1.61	7.7	7.7	8.3	6.2	6.4	4.6	11.7
12	21-00	300	2.15	2.58	3.41	3.81	1.37	7.6	7.5	7.6	7.0	6.0	4.3	13.3
13	00-00	292	2.13	2.71	3.57	3.67	1.40	7.4	7.4	7.6	7.0	6.1	4.5	10.9
13	03-00	303	2.10	2.66	3.57	3.93	1.27	7.3	7.5	7.0	6.2	5.9	4.5	13.3
13	06-00	292	2.02	2.47	3.02	3.06	1.28	7.9	8.0	7.6	7.0	6.1	4.3	12.5
13	09-00	284	1.95	2.36	2.73	2.82	1.26	7.7	7.7	7.0	7.8	6.3	4.3	14.1
13	12-00	305	1.88	2.39	2.88	2.97	1.20	7.3	7.5	7.6	7.8	5.9	4.2	11.7
13	15-00	323	1.63	2.11	2.54	2.58	1.01	6.9	6.9	7.0	6.2	5.5	4.3	11.7
13	18-00	314	1.38	1.74	2.28	2.44	0.88	7.2	7.1	8.1	7.8	5.7	4.0	10.9
13	21-00	323	1.37	1.66	2.08	2.13	0.86	7.3	7.4	6.8	6.2	5.5	4.0	11.7
14	00-00	333	1.25	1.56	2.00	2.07	0.79	6.9	7.1	6.8	6.2	5.4	3.9	10.9
14	03-00	314	1.22	1.54	1.85	1.89	0.77	7.3	7.3	7.6	7.8	5.7	4.0	10.9
14	06-00	310	1.07	1.30	1.64	1.71	0.68	7.1	7.1	6.5	7.0	5.8	4.1	11.7
14	09-00	316	1.11	1.40	1.71	1.76	0.69	7.1	7.3	5.5	4.7	5.7	3.9	11.7
14	12-00	327	1.05	1.30	1.62	1.72	0.66	7.0	7.2	6.8	7.0	5.5	3.7	12.5
14	15-00	342	0.96	1.20	1.54	1.70	0.59	6.8	7.4	7.0	7.0	5.2	3.7	11.7
14	18-00	337	0.91	1.15	1.58	1.62	0.57	6.7	7.0	7.3	6.2	5.3	3.8	13.3
14	21-00	308	0.87	1.06	1.31	1.41	0.57	7.2	7.3	8.6	7.8	5.8	4.0	12.5
15	00-00	357	1.13	1.42	1.89	2.09	0.71	6.3	6.4	5.5	5.5	5.0	3.8	11.7
15	06-00	333	1.06	1.32	1.65	1.75	0.67	6.9	7.1	7.3	7.8	5.4	3.9	12.5
15	09-00	311	1.13	1.47	2.21	2.63	0.73	7.3	7.8	6.5	7.0	5.8	4.0	13.3
15	12-00	310	1.07	1.34	1.70	1.79	0.70	7.6	8.2	7.3	7.0	5.8	3.7	14.1
15	15-00	335	1.06	1.33	1.65	1.68	0.67	7.1	7.9	9.6	13.3	5.4	3.7	13.3
15	18-00	295	1.27	1.56	1.89	1.96	0.80	8.3	8.6	9.6	7.0	6.1	4.0	15.6
15	21-00	303	1.24	1.54	1.92	1.98	0.81	7.7	7.3	9.1	7.0	5.9	3.9	16.4
16	00-00	286	1.29	1.60	2.03	2.19	0.83	8.4	8.4	7.8	4.7	6.3	4.3	16.4
16	03-00	280	1.24	1.51	1.87	1.98	0.79	8.8	9.9	9.6	12.5	6.4	4.0	16.4
16	06-00	286	1.33	1.58	1.88	1.88	0.87	7.9	8.7	8.6	11.7	6.3	4.2	14.8
16	09-00	275	1.43	1.82	2.22	2.40	0.92	8.8	9.4	8.3	6.2	6.5	4.3	15.6
16	12-00	280	1.33	1.63	1.92	1.96	0.82	8.8	9.9	10.7	10.2	6.4	4.2	16.4
16	15-00	314	1.09	1.38	1.76	1.79	0.67	8.3	9.1	9.6	12.5	5.7	3.6	16.4
16	18-00	315	1.08	1.35	1.75	1.85	0.67	8.5	9.3	10.7	10.9	5.7	3.4	15.6
16	21-00	297	1.13	1.39	1.80	1.91	0.72	8.1	9.3	10.4	14.1	6.0	3.8	15.6
17	00-00	346	1.07	1.34	1.77	1.85	0.65	7.7	9.8	7.6	7.8	5.2	3.4	15.6
17	03-00	339	1.07	1.31	1.65	1.73	0.70	7.0	6.8	6.8	6.2	5.3	3.6	14.1
17	06-00	340	1.14	1.46	2.02	2.25	0.73	7.4	8.7	10.4	10.2	5.3	3.6	14.1
17	09-00	318	1.22	1.51	2.00	2.16	0.77	8.1	8.9	8.6	7.8	5.6	3.5	16.4
17	12-00	347	1.11	1.43	1.99	2.10	0.71	7.1	8.1	9.9	11.7	5.2	3.4	16.4
17	15-00	339	1.14	1.45	1.79	1.85	0.75	7.5	9.2	10.9	10.9	5.3	3.5	15.6
17	18-00	372	1.36	1.65	2.01	2.19	0.89	5.8	5.7	5.3	5.5	4.8	3.8	14.1
17	21-00	364	1.62	1.97	2.57	3.16	1.06	6.0	6.0	5.9	6.2	4.9	3.8	11.7
18	00-00	341	1.86	2.29	2.94	3.01	1.21	6.3	6.6	6.5	7.8	5.3	4.1	10.9
18	03-00	332	1.46	1.82	2.35	2.37	0.92	6.8	6.9	6.5	7.8	5.4	3.9	11.7
18	06-00	307	1.31	1.68	2.24	2.44	0.81	7.3	7.8	7.6	7.8	5.8	4.1	13.3
18	09-00	311	1.38	1.72	2.24	2.43	0.90	7.5	8.0	9.1	12.5	5.8	3.8	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)
18	12-00	313	1.37	1.73	2.28	2.51	0.87	7.5	7.7	7.6	8.6	5.7	3.7	17.2
18	15-00	304	1.45	1.79	2.10	2.22	0.95	7.8	8.6	8.6	9.4	5.9	3.8	14.8
18	18-00	321	1.47	1.84	2.23	2.45	0.93	7.2	7.8	7.0	6.2	5.6	3.9	14.8
18	21-00	299	1.53	1.87	2.27	2.29	0.96	8.1	8.6	8.9	7.8	6.0	3.9	15.6
19	00-00	267	1.82	2.19	2.50	2.54	1.19	8.4	8.8	8.6	8.6	6.7	4.5	14.8
19	03-00	267	1.81	2.24	2.72	2.81	1.17	8.8	8.7	8.6	7.0	6.7	4.5	14.8
19	06-00	296	1.60	2.01	2.71	2.98	1.02	7.7	8.1	7.3	7.0	6.1	4.1	11.7
19	09-00	285	1.55	1.95	2.45	2.54	0.97	8.8	10.0	8.9	8.6	6.3	4.1	17.2
19	12-00	276	1.53	1.87	2.33	2.42	0.96	8.6	8.9	8.3	7.8	6.5	4.3	14.8
19	15-00	240	1.41	1.74	2.32	2.39	0.91	10.1	11.0	11.3	8.6	7.5	4.1	18.0
19	18-00	286	1.13	1.41	1.84	1.90	0.72	8.4	8.5	6.2	6.2	6.3	4.2	16.4
19	21-00	283	1.27	1.59	1.96	2.00	0.80	8.5	8.8	8.9	10.2	6.3	4.2	14.8
20	00-00	285	1.28	1.59	2.05	2.12	0.81	8.4	9.1	9.4	9.4	6.3	4.3	16.4
20	03-00	259	1.19	1.44	1.92	2.16	0.76	9.2	10.7	12.2	13.3	6.9	4.2	18.8
20	06-00	282	0.93	1.12	1.46	1.60	0.59	8.4	9.5	8.6	9.4	6.3	4.1	15.6
20	09-00	226	0.88	1.09	1.29	1.37	0.56	9.4	11.7	12.1	11.7	6.6	4.0	16.4
20	12-00	267	0.86	1.10	1.55	1.66	0.53	9.5	11.0	13.3	13.3	6.7	4.3	18.0
20	15-00	258	0.83	1.03	1.20	1.27	0.53	9.3	10.6	10.7	14.1	6.9	4.5	17.2
20	18-00	267	0.76	0.94	1.17	1.29	0.50	8.9	10.3	13.3	12.5	6.7	4.1	17.2
20	21-00	277	0.70	0.88	1.23	1.43	0.46	9.0	10.2	12.0	14.8	6.5	4.2	16.4
21	00-00	269	0.68	0.84	1.07	1.24	0.43	9.6	11.1	11.5	9.4	6.7	4.1	17.2
21	03-00	229	0.73	0.95	1.38	1.52	0.46	11.8	13.9	11.7	10.9	7.8	4.4	18.0
21	06-00	263	0.65	0.85	1.10	1.14	0.40	10.9	12.7	15.1	15.6	6.8	3.3	20.3
21	09-00	261	0.63	0.79	0.93	0.94	0.39	10.5	12.3	13.3	11.7	6.9	3.5	18.0
21	12-00	256	0.68	0.85	1.00	1.01	0.41	11.6	13.4	14.8	15.6	7.0	3.4	17.2
21	15-00	255	0.65	0.85	1.13	1.17	0.40	11.2	13.6	13.3	11.7	7.0	3.3	18.8
21	18-00	344	0.62	0.82	1.06	1.08	0.37	8.2	10.6	13.5	13.3	5.2	3.0	18.0
21	21-00	355	0.64	0.86	1.05	1.10	0.39	7.9	10.5	13.3	13.3	5.1	2.9	14.8
22	00-00	387	0.74	0.92	1.22	1.37	0.48	6.8	8.5	10.2	12.5	4.6	2.9	14.8
22	03-00	421	1.09	1.34	1.59	1.64	0.71	5.5	6.0	3.9	3.9	4.3	3.2	13.3
22	06-00	386	1.33	1.62	2.11	2.61	0.86	5.8	5.6	6.2	7.0	4.7	3.5	12.5
22	09-00	350	1.52	1.86	2.33	2.40	1.00	6.3	7.1	5.9	4.7	5.1	3.7	12.5
22	12-00	356	1.77	2.23	2.77	3.13	1.12	6.3	6.6	7.2	7.0	5.0	3.7	13.3
22	15-00	322	2.09	2.56	3.43	3.78	1.38	6.6	6.5	6.5	7.0	5.6	4.0	12.5
22	18-00	284	2.35	2.89	3.61	3.90	1.45	7.4	7.1	7.8	7.0	6.3	4.9	11.7
22	21-00	275	1.83	2.26	3.00	3.16	1.21	7.2	7.2	6.8	6.2	6.5	5.1	12.5
23	03-00	310	1.36	1.70	2.03	2.16	0.85	7.2	7.5	8.1	7.8	5.8	4.1	11.7
23	06-00	302	1.35	1.67	2.06	2.10	0.88	7.5	7.8	6.2	6.2	5.9	4.1	14.8
23	09-00	323	1.50	1.85	2.25	2.27	0.96	7.4	7.3	7.0	6.2	5.5	3.9	13.3
23	12-00	353	1.34	1.69	2.17	2.45	0.86	6.3	6.5	6.8	7.0	5.1	3.6	12.5
23	18-00	305	1.87	2.38	3.03	3.09	1.20	6.8	6.6	6.2	6.2	5.9	4.3	14.8
23	21-00	295	2.40	2.95	3.94	4.14	1.50	7.5	7.8	7.6	8.6	6.1	4.6	12.5
24	00-00	302	2.30	2.93	3.77	3.88	1.41	7.6	7.8	7.8	7.0	5.9	4.4	13.3
24	03-00	251	2.46	3.01	3.56	3.66	1.61	10.0	10.6	11.7	11.7	7.1	4.5	15.6
24	06-00	207	3.09	4.08	4.89	5.02	1.79	12.8	14.4	15.6	16.4	8.6	5.0	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)
24	09-00	174	3.74	4.86	5.69	5.69	2.38	13.7	14.5	13.7	12.5	10.3	5.9	20.3
24	12-00	201	3.16	4.08	5.10	5.11	1.94	13.0	14.9	17.2	18.0	8.9	5.0	18.8
24	15-00	197	3.42	4.37	5.12	5.23	2.00	13.9	15.0	14.1	14.8	9.0	5.0	18.0
24	18-00	201	3.02	3.94	4.89	5.06	1.83	13.5	15.2	14.1	12.5	8.9	4.6	19.5
24	21-00	201	3.08	3.89	4.41	4.49	1.82	13.7	15.0	16.0	17.2	8.9	4.7	19.5
25	00-00	213	2.63	3.57	4.82	4.91	1.55	13.7	16.0	16.8	17.2	8.3	4.8	19.5
25	03-00	192	2.70	3.39	4.28	4.70	1.64	14.2	16.0	15.2	14.8	9.3	5.1	19.5
25	06-00	218	2.26	3.08	4.23	4.32	1.35	12.4	14.2	15.6	16.4	8.2	4.6	18.8
25	09-00	226	1.98	2.64	3.28	3.38	1.22	11.6	14.2	16.0	16.4	7.9	4.4	18.0
25	12-00	285	1.76	2.25	3.07	3.47	1.08	9.8	11.9	13.3	14.1	6.3	3.9	17.2
25	15-00	320	2.06	2.58	3.28	3.30	1.34	7.2	8.3	7.0	7.8	5.6	4.0	16.4
25	18-00	308	2.69	3.39	4.25	4.92	1.67	7.1	7.3	6.5	6.2	5.8	4.4	14.8
25	21-00	267	3.83	4.85	6.22	6.41	2.36	8.2	8.3	8.3	9.4	6.7	5.0	14.1
26	03-00	247	3.56	4.58	6.98	7.07	2.22	8.9	9.4	9.4	9.4	7.2	5.3	14.1
26	06-00	213	3.83	4.71	5.31	5.31	2.48	9.6	9.9	8.2	7.8	8.4	5.6	14.1
26	09-00	209	3.77	4.64	5.32	5.41	2.45	10.1	9.7	9.0	8.6	8.6	6.0	13.3
26	12-00	232	2.81	3.56	4.57	4.77	1.74	9.8	10.1	9.8	9.4	7.7	5.1	15.6
26	15-00	225	2.96	3.76	4.58	4.59	1.79	11.2	12.2	14.1	14.1	8.0	4.7	17.2
26	18-00	227	2.76	3.46	4.68	5.03	1.70	11.2	12.3	9.8	10.9	7.9	4.7	17.2
26	21-00	241	2.29	2.81	3.53	3.67	1.47	9.9	9.9	11.3	14.1	7.4	4.6	17.2
27	00-00	237	2.20	2.70	3.58	4.06	1.38	10.3	11.7	14.1	10.9	7.5	4.4	17.2
27	03-00	220	2.11	2.63	3.04	3.12	1.33	11.5	13.1	13.7	12.5	8.2	4.1	19.5
27	06-00	213	2.39	2.97	3.88	4.28	1.46	12.6	14.4	14.5	12.5	8.4	4.7	18.0
27	09-00	197	2.40	2.98	3.53	3.53	1.51	12.5	13.9	15.6	14.8	9.1	5.3	21.1
27	12-00	224	1.85	2.48	3.13	3.20	1.20	11.0	13.6	14.8	16.4	8.0	4.7	18.8
27	15-00	244	1.72	2.19	3.03	3.06	1.06	10.8	12.3	14.8	15.6	7.3	4.3	18.0
27	18-00	248	1.64	2.03	2.58	2.67	1.04	10.5	11.7	12.9	11.7	7.2	4.3	18.0
27	21-00	259	1.48	1.84	2.26	2.37	0.96	9.3	10.9	11.7	11.7	6.9	4.3	16.4
28	00-00	250	1.37	1.71	2.13	2.22	0.87	10.3	11.5	10.9	12.5	7.2	4.3	17.2
28	03-00	260	1.37	1.73	2.11	2.25	0.85	9.6	10.9	10.2	7.8	6.9	4.2	17.2
28	06-00	271	1.26	1.68	2.10	2.22	0.78	9.4	10.1	9.6	6.2	6.6	4.0	16.4
28	09-00	266	1.12	1.38	1.77	1.86	0.72	9.3	9.3	10.9	12.5	6.7	4.2	14.8
28	12-00	311	1.14	1.46	1.94	2.14	0.71	8.5	9.8	7.3	7.8	5.8	3.5	17.2
28	15-00	377	1.07	1.32	1.62	1.83	0.70	6.2	7.9	7.4	8.6	4.8	3.4	14.1
28	18-00	388	1.23	1.53	1.95	2.25	0.81	5.7	5.8	4.7	4.7	4.6	3.5	14.1
28	21-00	379	1.40	1.73	2.18	2.41	0.93	5.4	5.6	5.5	5.5	4.7	3.7	12.5
29	00-00	310	2.93	3.74	4.80	5.10	1.85	6.6	6.7	6.8	6.2	5.8	4.6	10.2
29	03-00	255	4.21	5.18	6.01	6.46	2.71	7.8	7.8	8.1	7.8	7.0	5.3	11.7
29	11-10	221	4.62	5.80	7.71	8.14	2.98	9.9	10.0	9.8	9.4	8.1	5.6	14.1
29	12-00	205	4.14	4.97	6.27	6.29	2.69	9.8	9.9	10.2	10.2	8.8	5.7	14.1
29	15-00	207	3.80	4.78	6.22	6.86	2.35	10.4	10.6	10.2	9.4	8.6	6.2	14.8
29	18-00	202	3.81	4.81	6.40	6.71	2.31	10.6	10.7	10.2	10.2	8.9	6.7	14.8
29	21-00	212	3.12	3.87	5.28	5.35	1.96	10.1	10.2	10.5	10.2	8.5	6.1	14.1
30	00-00	221	3.12	3.93	5.43	5.43	1.96	9.8	9.6	10.2	10.2	8.1	5.3	14.1
30	03-00	242	2.94	3.89	6.07	6.63	1.78	9.5	10.2	10.5	10.2	7.4	5.0	14.8

PARAMETROS CALCULADOS PELO METODO DIRECTO FLORES 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)
30	06-00	253	2.51	3.10	3.65	3.97	1.61	9.1	9.7	9.9	10.2	7.1	4.3	12.5
30	09-00	260	2.28	2.79	3.28	3.39	1.44	9.2	9.6	9.6	9.4	6.9	4.2	12.5
30	12-00	254	2.38	2.91	3.60	3.82	1.52	8.7	8.9	8.9	9.4	7.1	4.7	12.5
30	15-00	251	2.38	2.96	3.51	3.64	1.55	8.9	9.1	8.1	6.2	7.1	4.8	13.3
30	18-00	254	2.41	3.01	3.80	3.99	1.56	8.6	8.9	8.9	8.6	7.0	5.2	14.1
30	21-00	281	2.23	2.77	3.36	3.73	1.37	8.3	7.9	8.6	7.8	6.4	4.7	13.3

PARAMETROS CALCULADOS PELO METODO DIRECTO FLORES 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	00-00	266	2.04	2.59	3.49	3.81	1.24	9.3	9.8	9.1	8.6	6.7	4.4	15.6
01	03-00	217	2.68	3.40	4.26	4.31	1.65	11.9	12.1	14.5	14.8	8.2	4.7	18.0
01	06-00	208	2.37	2.90	3.67	3.82	1.45	13.0	14.0	13.3	12.5	8.6	4.3	18.0
01	09-00	228	2.21	2.91	3.91	4.11	1.31	11.9	13.0	14.8	14.1	7.9	4.3	17.2
01	12-00	199	2.74	3.47	4.32	4.66	1.59	12.9	13.9	15.2	15.6	8.9	5.1	16.4
01	15-00	205	2.44	2.90	3.60	3.76	1.59	11.1	11.9	13.3	14.1	8.8	5.6	17.2
01	18-00	249	1.77	2.20	2.85	2.88	1.12	10.1	11.6	12.5	13.3	7.2	4.5	16.4
01	21-00	298	1.49	1.86	2.44	2.56	0.94	8.6	10.0	10.7	10.2	6.0	3.6	15.6
02	00-00	327	1.36	1.71	2.15	2.25	0.90	7.3	7.6	7.8	7.0	5.5	3.6	14.8
02	03-00	313	1.24	1.50	1.72	1.77	0.81	7.8	8.4	8.3	7.8	5.7	3.9	14.1
02	09-00	309	1.31	1.65	2.15	2.26	0.82	8.4	11.0	9.6	11.7	5.8	3.6	16.4
02	12-00	317	1.34	1.66	1.99	2.28	0.89	7.7	9.5	10.2	14.1	5.6	3.6	14.8
02	15-00	332	1.52	1.92	2.53	2.65	1.00	6.6	6.7	6.0	7.8	5.4	4.1	14.1
02	18-00	318	1.73	2.14	2.71	3.01	1.10	6.9	6.3	7.0	7.0	5.6	4.2	14.8
02	21-00	344	1.61	2.01	2.50	2.56	1.05	6.5	7.1	6.8	8.6	5.2	3.8	13.3
04	15-00	263	2.45	3.00	3.68	3.76	1.54	8.6	8.6	7.8	7.8	6.8	4.5	14.1
04	21-00	273	2.14	2.61	3.49	4.05	1.35	8.0	8.3	8.9	9.4	6.5	4.8	13.3
05	00-00	274	1.98	2.44	3.04	3.05	1.23	9.0	9.9	9.9	12.5	6.5	4.3	14.8
05	03-00	239	1.96	2.44	3.14	3.25	1.23	10.4	11.9	10.9	10.2	7.5	4.8	15.6
05	06-00	227	2.21	2.92	3.62	3.74	1.36	10.7	11.8	10.5	10.2	7.9	5.0	15.6
05	09-00	216	2.13	2.69	3.29	3.30	1.40	11.3	10.5	9.4	10.2	8.3	5.0	16.4
05	12-00	241	1.98	2.54	3.37	3.57	1.22	10.2	10.3	10.9	9.4	7.4	4.5	15.6
05	15-00	274	1.79	2.28	2.94	3.42	1.09	9.5	10.4	11.5	10.9	6.5	3.8	14.8
05	18-00	297	2.01	2.45	3.29	3.62	1.32	7.7	8.5	7.6	6.2	6.0	4.5	14.8
05	21-00	315	1.96	2.40	2.97	3.36	1.26	7.5	7.7	7.3	7.0	5.7	4.2	14.8
06	00-00	342	2.03	2.51	3.12	3.20	1.30	6.4	6.6	5.7	6.2	5.2	4.0	12.5
06	06-00	321	1.97	2.51	2.96	3.10	1.27	6.9	7.0	7.3	7.8	5.6	4.2	11.7
06	09-00	326	2.15	2.65	3.44	3.56	1.34	6.5	6.4	6.0	6.2	5.5	4.2	13.3
06	12-00	347	2.00	2.60	3.32	3.52	1.27	6.3	6.6	6.2	7.0	5.2	4.1	12.5
06	15-00	310	2.49	3.14	4.26	4.86	1.60	6.9	6.9	7.0	6.2	5.8	4.3	11.7
06	18-00	286	2.65	3.18	4.17	4.32	1.72	7.5	7.5	8.1	8.6	6.3	4.8	12.5
06	21-00	282	2.66	3.30	4.12	4.54	1.74	7.4	7.9	7.3	7.0	6.3	4.7	12.5
07	00-00	276	2.57	3.26	4.22	4.59	1.61	8.5	9.1	9.1	10.9	6.5	4.4	18.0
07	06-00	293	2.54	3.19	4.23	4.58	1.60	7.8	8.1	7.8	8.6	6.1	4.5	18.0
07	09-00	274	2.23	2.74	3.60	4.11	1.39	8.4	8.5	8.1	7.8	6.6	4.5	14.8
07	12-00	268	1.89	2.28	2.79	3.03	1.20	8.3	8.4	8.6	8.6	6.7	4.6	14.8
07	15-00	237	1.83	2.28	2.91	2.92	1.17	9.2	8.9	8.2	8.6	6.9	4.3	17.2
07	18-00	225	2.19	2.80	3.42	3.43	1.39	10.0	10.5	9.4	8.6	7.9	5.1	15.6
07	21-00	216	2.10	2.64	3.35	3.55	1.39	10.2	11.0	10.9	12.5	8.3	5.6	16.4
08	00-00	258	1.66	2.02	2.41	2.61	1.05	9.1	9.8	9.9	7.0	6.9	4.8	14.8
08	03-00	251	1.57	2.01	2.71	2.82	1.00	9.3	9.4	9.1	7.8	7.2	5.0	15.6
08	06-00	248	1.50	1.85	2.22	2.30	0.95	9.2	9.2	9.8	9.4	7.2	4.7	14.1
08	09-00	234	1.36	1.75	2.15	2.26	0.85	10.2	10.8	10.2	10.9	7.6	4.9	14.8
08	12-00	271	1.11	1.40	1.74	1.90	0.70	8.8	9.1	9.1	9.4	6.6	4.7	14.8
08	18-00	257	1.24	1.54	2.08	2.27	0.79	8.8	9.1	9.4	9.4	6.9	4.6	13.3

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	21-00	256	1.19	1.44	1.87	2.22	0.77	8.6	8.6	8.1	6.2	7.0	4.8	13.3
09	00-00	274	1.10	1.41	1.78	1.81	0.70	8.5	8.8	9.9	10.2	6.5	4.1	14.1
09	03-00	324	1.12	1.42	1.69	1.74	0.70	8.0	8.5	7.8	8.6	5.5	3.5	11.7
09	06-00	320	1.19	1.47	2.02	2.18	0.77	7.6	8.6	9.4	9.4	5.6	3.6	15.6
09	09-00	360	0.99	1.26	1.56	1.64	0.65	6.5	7.4	7.4	4.7	5.0	3.4	14.1
09	12-00	397	1.41	1.73	2.23	2.41	0.93	5.1	5.1	4.9	4.7	4.5	3.7	11.7
09	15-00	382	1.70	2.11	2.72	3.14	1.10	5.4	5.3	4.7	4.7	4.7	3.8	10.9
09	18-00	379	1.59	1.99	2.66	2.93	1.01	5.7	5.7	5.7	5.5	4.7	3.9	9.4
09	21-00	350	1.66	2.07	2.72	2.87	1.08	5.9	5.9	6.2	6.2	5.1	4.0	10.2
10	00-00	356	1.80	2.21	2.76	2.85	1.17	5.8	5.9	5.9	6.2	5.0	4.0	10.9
10	03-00	341	1.99	2.43	3.19	3.46	1.29	6.2	6.0	6.0	5.5	5.3	4.2	10.9
10	06-00	346	2.07	2.67	3.19	3.27	1.31	6.2	6.1	6.0	7.0	5.2	4.1	10.2
10	09-00	335	2.07	2.55	3.38	3.69	1.34	6.3	6.4	6.2	6.2	5.4	4.0	9.4
10	12-00	327	2.23	2.79	3.54	3.57	1.40	6.4	6.5	6.0	6.2	5.5	4.2	10.2
10	15-00	319	2.39	3.09	4.08	4.19	1.51	6.5	6.7	6.2	5.5	5.6	4.6	9.4
10	18-00	311	2.44	3.08	3.89	4.06	1.56	6.5	6.7	6.8	6.2	5.8	4.5	10.9
10	21-00	321	2.31	2.92	3.95	4.05	1.49	6.8	6.6	6.2	6.2	5.6	4.5	10.9
11	00-00	310	2.13	2.58	3.14	3.20	1.40	7.0	7.0	7.6	8.6	5.8	4.3	12.5
11	03-00	295	1.80	2.23	3.25	3.55	1.15	7.4	7.2	7.6	7.8	6.1	4.4	11.7
11	06-00	291	1.51	1.87	2.22	2.28	1.00	7.6	7.8	8.9	10.2	6.2	4.5	12.5
11	09-00	287	1.46	1.90	2.57	2.74	0.91	7.4	7.6	7.0	7.0	6.3	4.4	13.3
11	12-00	267	1.38	1.74	2.28	2.54	0.89	8.6	8.3	7.8	7.8	6.7	4.8	14.1
11	15-00	284	1.28	1.65	2.32	2.89	0.82	8.1	8.6	9.1	8.6	6.3	4.5	14.8
11	18-00	232	1.56	1.94	2.45	2.53	0.97	11.2	11.4	12.5	12.5	7.7	4.5	16.4
11	21-00	240	1.54	2.06	2.98	3.33	0.92	10.4	11.7	12.1	11.7	7.4	4.3	17.2
12	00-00	250	1.53	1.93	2.41	2.46	0.94	10.4	12.1	11.2	9.4	7.1	3.7	18.0
12	03-00	307	1.53	1.88	2.21	2.26	0.99	8.1	9.3	8.9	10.9	5.8	3.7	17.2
12	06-00	325	1.65	2.07	2.62	2.75	1.06	7.4	8.3	8.9	4.7	5.5	3.7	15.6
12	09-00	343	1.70	2.09	2.56	2.65	1.10	6.8	7.5	9.6	11.7	5.2	3.8	14.8
12	12-00	308	2.02	2.49	3.16	3.40	1.34	6.8	6.8	5.7	6.2	5.8	4.1	13.3
12	15-00	300	2.67	3.36	4.33	4.78	1.72	6.8	6.7	6.8	6.2	6.0	4.6	12.5
12	18-00	292	3.20	4.07	5.07	5.23	2.04	7.1	7.4	7.0	7.0	6.1	5.0	11.7
13	00-00	268	3.62	4.45	5.29	5.92	2.30	8.0	7.8	8.3	8.6	6.7	4.9	10.9
13	03-00	246	4.33	5.38	6.74	7.42	2.77	8.5	8.2	7.8	8.6	7.3	5.3	11.7
13	06-00	256	4.20	5.28	7.13	7.57	2.67	8.3	8.3	8.3	7.8	7.0	5.3	12.5
13	09-00	246	4.19	5.22	7.04	7.53	2.70	8.8	8.6	8.6	8.6	7.3	5.2	12.5
13	12-00	238	4.10	4.98	5.64	5.66	2.57	8.8	9.0	9.4	10.2	7.5	5.4	12.5
13	15-00	232	3.53	4.42	6.57	6.80	2.26	9.1	9.3	9.0	9.4	7.7	5.6	12.5
13	18-00	238	3.30	4.07	4.80	4.86	2.07	9.0	9.0	8.2	7.0	7.5	5.5	13.3
13	21-00	237	2.79	3.57	4.53	4.71	1.75	9.1	9.0	8.6	8.6	7.5	5.7	13.3
14	00-00	230	2.49	3.18	4.09	4.34	1.55	8.6	8.7	8.2	7.8	7.8	5.3	13.3
14	03-00	252	2.17	2.67	3.49	3.82	1.35	8.6	8.6	7.8	7.8	7.1	5.3	13.3
14	06-00	250	1.97	2.51	3.38	3.52	1.23	8.4	8.2	8.1	7.8	7.2	5.1	14.8
14	09-00	240	1.81	2.29	3.09	3.27	1.16	9.0	9.4	7.8	7.8	7.5	4.9	13.3
14	12-00	275	1.59	1.95	2.36	2.43	1.01	8.6	9.3	8.1	8.6	6.5	4.0	13.3

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)
14	18-00	253	1.72	2.11	2.60	3.00	1.06	9.4	9.9	9.9	9.4	7.1	4.3	15.6
14	21-00	259	1.72	2.21	2.53	2.65	1.06	9.8	10.3	10.2	14.1	6.9	4.1	14.8
15	00-00	282	1.93	2.34	2.94	3.07	1.22	8.4	9.1	9.6	8.6	6.4	4.4	14.8
15	03-00	281	1.79	2.24	2.87	3.07	1.14	7.8	8.3	8.1	6.2	6.4	4.5	14.8
15	06-00	276	1.68	2.12	2.72	2.82	1.08	8.0	8.1	8.1	5.5	6.5	4.7	14.8
15	09-00	299	1.70	2.06	2.61	2.76	1.09	7.1	7.2	6.2	5.5	6.0	4.4	14.1
15	12-00	305	1.60	2.03	2.66	2.88	1.00	8.0	8.7	7.8	10.2	5.9	3.9	14.8
15	15-00	318	1.44	1.76	2.12	2.21	0.93	7.2	7.8	6.8	7.0	5.6	3.8	14.1
15	18-00	350	1.58	1.94	2.56	2.76	1.01	6.4	6.3	6.2	6.2	5.1	3.8	15.6
15	21-00	338	1.79	2.24	2.63	2.71	1.14	6.3	6.6	5.7	5.5	5.3	4.1	10.2
16	03-00	317	2.19	2.72	3.46	3.74	1.40	6.7	6.5	7.6	7.8	5.7	4.5	9.4
16	06-00	315	2.46	3.05	3.84	4.16	1.55	6.7	6.9	7.0	7.0	5.7	4.5	11.7
16	09-00	290	2.69	3.36	4.50	5.13	1.72	7.3	7.0	6.8	7.0	6.2	4.7	11.7
16	12-00	276	3.20	4.03	5.75	7.24	2.04	7.4	7.1	7.8	8.6	6.5	5.0	10.9
16	15-00	269	3.26	4.06	5.21	5.79	2.08	7.8	7.9	8.3	8.6	6.7	4.9	11.7
16	18-00	256	3.47	4.44	5.86	6.27	2.22	8.2	8.1	9.1	9.4	7.0	4.8	12.5
16	21-00	261	3.43	4.21	5.34	5.82	2.18	8.2	8.6	8.6	7.8	6.9	4.9	12.5
17	00-00	240	3.73	4.54	5.59	6.04	2.44	8.8	8.6	8.2	8.6	7.5	5.3	12.5
17	06-00	274	3.31	4.25	5.94	6.24	2.00	8.5	8.5	7.8	7.0	6.5	4.8	12.5
17	09-00	259	3.58	4.30	5.32	6.16	2.26	8.2	7.9	8.1	8.6	6.9	5.1	11.7
17	12-00	262	3.73	4.78	6.39	6.96	2.28	8.3	8.5	8.6	8.6	6.8	4.9	13.3
17	15-00	279	2.80	3.38	4.18	4.23	1.83	7.9	7.8	7.6	7.8	6.4	4.5	11.7
17	21-00	264	2.90	3.72	4.44	4.90	1.81	8.7	8.4	8.3	8.6	6.8	4.9	13.3
18	00-00	260	2.70	3.44	4.34	4.76	1.70	8.4	8.7	8.6	8.6	6.9	4.8	12.5
18	03-00	267	2.71	3.30	3.97	4.59	1.72	8.5	8.5	9.4	8.6	6.7	4.6	12.5
18	06-00	277	2.58	3.20	3.98	4.11	1.64	8.1	8.4	8.1	8.6	6.5	4.7	10.9
18	09-00	278	2.89	3.54	4.47	4.76	1.81	8.2	8.3	8.1	8.6	6.5	4.7	11.7
18	12-00	280	2.73	3.39	4.19	4.61	1.75	7.8	8.0	8.6	8.6	6.4	4.6	13.3
18	15-00	269	2.90	3.55	4.66	5.16	1.83	8.4	8.1	7.6	7.8	6.7	4.7	13.3
18	18-00	258	2.55	3.18	4.03	4.12	1.61	8.6	8.7	8.3	7.8	6.9	5.0	13.3
18	21-00	243	2.77	3.58	4.40	4.45	1.72	9.0	8.9	7.8	8.6	7.4	5.4	13.3
19	00-00	237	2.76	3.38	4.19	4.35	1.79	8.8	8.6	9.0	9.4	7.6	5.5	11.7
19	03-00	245	2.61	3.36	4.07	4.35	1.63	8.9	9.0	8.2	7.8	7.3	4.8	12.5
19	06-00	242	2.31	2.91	4.60	4.99	1.48	8.8	8.8	9.8	9.4	7.4	4.8	12.5
19	09-00	267	2.19	2.70	3.22	3.45	1.35	8.5	8.4	8.1	9.4	6.7	4.7	10.9
19	12-00	260	2.09	2.58	3.09	3.48	1.33	8.5	8.6	8.6	8.6	6.9	4.4	13.3
19	15-00	278	2.10	2.63	3.32	3.83	1.27	8.0	8.4	8.6	7.8	6.4	4.4	11.7
19	18-00	265	2.14	2.66	3.50	3.80	1.35	7.6	7.5	6.8	6.2	6.7	5.1	11.7
19	21-00	251	1.95	2.32	2.69	2.84	1.27	8.1	8.1	8.6	10.9	7.1	5.0	12.5
20	00-00	277	1.81	2.25	2.79	2.92	1.13	7.9	7.8	7.6	7.8	6.5	4.6	12.5
20	03-00	272	1.60	2.01	2.46	2.66	1.01	8.1	8.2	8.3	8.6	6.6	4.3	14.8
20	06-00	294	1.47	1.84	2.37	2.51	0.94	8.0	8.2	8.1	7.0	6.1	4.0	10.9
20	09-00	307	1.42	1.75	2.27	2.32	0.88	7.8	8.1	7.8	7.8	5.8	3.8	11.7
20	12-00	302	1.33	1.70	2.05	2.23	0.85	7.6	7.8	8.3	7.8	5.9	3.9	13.3
20	15-00	307	1.33	1.62	1.93	2.00	0.83	7.5	7.5	7.0	7.8	5.8	3.9	11.7

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)
20	21-00	289	1.43	1.76	2.28	2.36	0.91	7.7	7.8	7.8	7.8	6.2	4.4	11.7
21	00-00	309	1.47	1.83	2.57	2.94	0.93	7.8	7.8	8.3	7.0	5.8	3.9	12.5
21	03-00	305	1.48	1.84	2.33	2.37	0.92	7.7	8.2	8.1	9.4	5.9	4.0	11.7
21	06-00	330	1.29	1.63	2.01	2.11	0.82	7.2	7.9	8.3	8.6	5.4	3.8	12.5
21	09-00	338	1.61	1.99	2.35	2.42	1.01	7.2	7.3	7.3	7.8	5.3	3.8	12.5
21	12-00	336	1.54	1.93	2.48	2.87	0.99	6.9	7.2	7.3	7.8	5.3	4.0	12.5
21	15-00	341	1.56	1.88	2.31	2.53	1.01	6.7	6.9	8.1	8.6	5.3	3.8	12.5
21	18-00	322	1.65	2.03	2.63	2.68	1.07	7.1	7.3	7.3	7.0	5.6	4.1	12.5
21	21-00	336	1.63	2.01	2.59	2.72	1.05	6.7	7.0	7.3	6.2	5.3	4.1	12.5
22	00-00	342	1.60	1.96	2.39	2.46	1.02	6.6	7.2	6.8	7.0	5.2	4.0	13.3
22	03-00	321	1.78	2.20	2.75	2.94	1.11	7.1	7.3	7.6	4.7	5.6	4.1	10.9
22	06-00	283	1.97	2.45	3.22	3.59	1.24	8.1	8.7	8.6	9.4	6.3	4.3	11.7
22	09-00	267	2.18	2.68	3.34	3.57	1.40	8.6	9.0	8.1	7.8	6.7	4.6	14.8
22	12-00	239	2.51	3.06	3.82	3.98	1.53	10.3	10.1	10.2	8.6	7.5	5.0	14.1
22	15-00	195	3.20	3.93	5.08	5.73	1.97	11.9	12.8	13.3	11.7	9.1	5.5	18.0
22	18-00	210	2.41	3.03	3.57	3.58	1.54	10.8	11.0	10.9	10.9	8.5	5.7	15.6
22	21-00	212	2.64	3.14	3.68	3.85	1.71	10.2	10.3	9.4	9.4	8.4	6.2	15.6
23	00-00	235	2.48	3.08	3.91	3.97	1.54	9.4	9.9	9.8	10.2	7.6	5.3	14.1
23	06-00	270	1.81	2.28	2.85	2.93	1.15	8.3	8.6	8.3	7.8	6.6	4.3	12.5
23	09-00	297	1.88	2.42	3.59	3.95	1.14	7.8	8.1	8.1	7.8	6.0	4.1	12.5
23	12-00	308	1.95	2.36	2.86	3.00	1.25	7.4	7.6	7.6	6.2	5.8	4.3	12.5
23	15-00	323	1.87	2.45	3.13	3.20	1.19	6.9	7.4	7.6	7.8	5.6	4.1	10.9
23	18-00	291	2.06	2.56	3.39	3.90	1.35	7.5	7.2	6.5	6.2	6.2	4.4	11.7
23	21-00	268	2.13	2.60	3.37	3.64	1.36	8.0	7.8	7.8	7.8	6.7	5.1	13.3
24	18-00	209	2.41	2.93	3.34	3.47	1.50	11.2	11.2	9.8	10.9	8.5	5.4	16.4
25	00-00	198	2.17	2.56	2.94	3.00	1.43	11.8	12.0	13.3	13.3	9.0	5.7	18.0
25	03-00	225	1.83	2.33	3.04	3.16	1.16	10.6	10.9	11.7	11.7	8.0	4.9	16.4
25	06-00	228	1.75	2.27	2.74	2.85	1.11	10.8	11.6	12.1	13.3	7.8	5.1	16.4
25	09-00	220	1.71	2.18	2.68	2.70	1.07	11.2	11.4	10.9	10.2	8.1	4.9	16.4
25	12-00	238	1.54	1.91	2.36	2.43	0.95	10.2	10.5	12.5	13.3	7.5	4.3	14.8
25	15-00	244	1.33	1.69	2.03	2.05	0.81	10.1	10.7	11.3	10.9	7.4	4.6	14.1
25	18-00	277	1.22	1.56	2.06	2.24	0.74	9.3	9.8	10.7	10.2	6.4	3.6	14.1
26	12-00	265	3.44	4.29	5.24	5.47	2.24	7.8	8.2	7.8	7.0	6.8	5.2	10.9
26	15-00	245	3.50	4.38	6.10	6.54	2.21	8.5	8.9	9.4	10.2	7.3	5.1	15.6
26	18-00	225	3.36	4.22	5.06	5.22	2.12	9.5	9.0	8.6	8.6	8.0	5.6	14.1
27	00-00	227	3.09	3.76	4.90	4.96	2.03	9.3	9.4	9.0	9.4	7.9	5.5	14.8
27	03-00	221	3.35	4.11	4.93	5.04	2.16	9.6	9.3	9.8	10.2	8.1	5.5	14.1
27	06-00	224	3.20	3.92	4.61	4.92	2.04	9.7	9.6	9.8	10.2	8.0	5.1	13.3
27	09-00	214	3.01	3.89	4.77	4.84	1.89	9.8	9.9	9.0	8.6	8.3	5.1	14.1
27	12-00	218	2.69	3.41	4.41	4.47	1.69	10.1	10.6	11.7	12.5	8.2	5.2	14.1
27	15-00	227	2.84	3.74	4.73	4.90	1.75	10.6	11.4	11.3	11.7	7.9	5.0	16.4
27	18-00	235	2.56	3.17	3.97	3.98	1.61	10.4	10.4	12.1	10.9	7.6	4.8	17.2
27	21-00	238	2.57	3.15	3.80	3.92	1.61	9.8	10.8	11.3	11.7	7.5	4.7	16.4
28	00-00	259	2.51	3.16	4.20	4.39	1.57	9.0	10.2	10.4	9.4	6.9	4.6	14.8
28	03-00	290	2.69	3.36	4.31	4.85	1.70	7.9	7.9	9.6	7.0	6.2	4.6	13.3

PARAMETROS CALCULADOS PELO METODO DIRECTO FLORES DEZ 2006

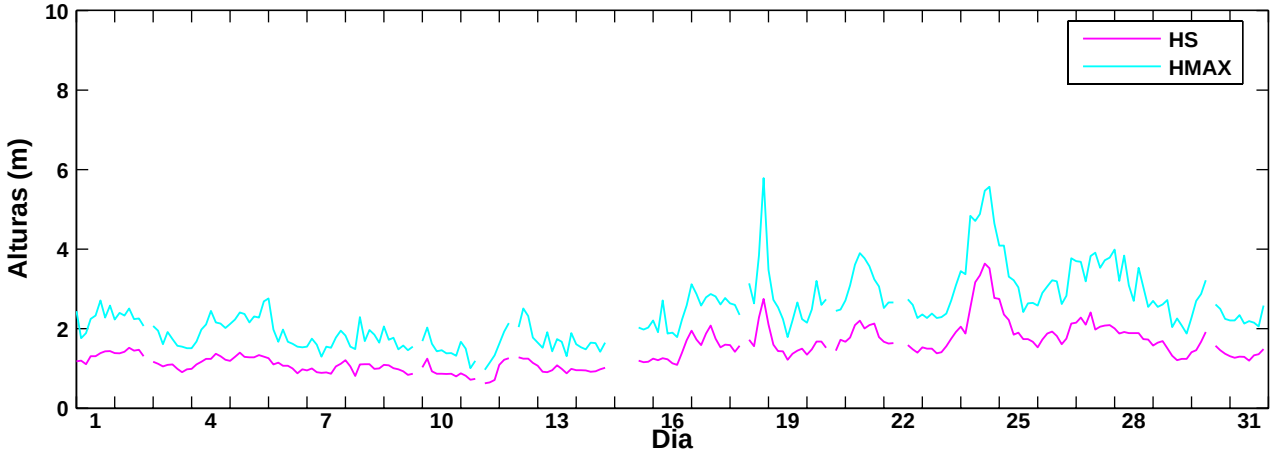
DIA	HORA	NA	HS (m)	H10 (m)	H100 (m)	HMAX (m)	HMED (m)	THS (s)	TH10 (s)	TH100 (s)	THMAX (s)	TZ (s)	TC (s)	TMAX (s)
28	06-00	288	2.60	3.24	4.33	4.66	1.65	7.8	7.5	7.8	7.8	6.2	4.5	14.1
28	09-00	273	2.55	3.16	3.96	4.14	1.67	8.3	8.5	7.6	7.0	6.6	4.4	14.1
28	12-00	280	2.80	3.58	4.85	5.36	1.74	8.2	8.0	8.9	10.9	6.4	4.5	14.1
28	15-00	256	3.03	3.77	4.93	5.10	1.91	8.5	8.3	7.6	7.8	7.0	5.1	15.6
28	18-00	259	3.13	3.85	5.04	5.71	2.05	8.0	7.9	8.3	8.6	6.9	5.0	12.5
28	21-00	270	3.17	4.09	5.50	6.33	1.95	8.4	8.8	9.6	8.6	6.6	4.9	15.6
29	00-00	262	2.96	3.90	5.01	5.04	1.86	8.9	8.4	7.8	7.0	6.8	4.5	15.6
29	03-00	262	2.97	3.73	4.54	4.66	1.86	8.8	8.7	9.6	10.2	6.8	4.6	15.6
29	06-00	259	3.11	3.91	4.91	5.20	1.93	9.1	9.4	9.9	9.4	6.9	4.8	14.1
29	09-00	242	2.85	3.59	4.62	4.81	1.84	9.0	9.1	9.8	10.2	7.4	5.1	14.8
29	15-00	242	3.15	3.91	4.78	4.93	1.99	9.2	10.0	11.3	10.2	7.4	5.2	14.8
29	18-00	245	2.96	3.68	4.32	4.44	1.92	8.9	9.0	8.2	7.0	7.3	5.1	14.1
29	21-00	249	3.09	3.80	4.88	4.91	1.95	9.5	9.5	9.8	10.2	7.2	5.0	15.6
30	00-00	235	3.17	3.85	4.90	5.15	1.99	10.3	10.4	10.2	9.4	7.6	5.1	14.8
30	03-00	215	3.27	4.10	4.94	5.23	1.99	11.4	11.4	14.1	14.8	8.3	4.8	18.8
30	06-00	230	2.87	3.68	4.86	4.91	1.78	10.9	11.6	14.1	13.3	7.8	4.5	17.2
30	09-00	244	2.86	3.72	5.43	5.78	1.70	10.6	11.9	10.5	11.7	7.3	4.4	14.8
30	12-00	223	3.17	3.83	4.41	4.59	2.01	10.8	11.3	11.3	11.7	8.0	4.6	16.4
30	15-00	239	3.51	4.15	4.95	5.26	2.19	10.3	11.1	10.2	12.5	7.5	4.9	15.6
30	18-00	239	3.51	4.32	5.42	5.47	2.24	9.6	9.7	9.0	9.4	7.5	5.0	15.6
30	21-00	242	3.20	4.01	4.80	4.91	2.01	9.4	9.1	8.6	9.4	7.4	4.8	15.6
31	00-00	233	2.83	3.51	4.84	5.25	1.72	10.6	11.7	10.2	7.8	7.7	4.7	16.4
31	03-00	232	2.88	3.63	4.90	5.18	1.80	10.3	10.2	9.4	10.2	7.7	4.9	15.6
31	06-00	238	2.80	3.49	4.74	4.96	1.77	10.0	10.9	10.9	11.7	7.5	5.2	14.8
31	09-00	239	2.84	3.59	4.17	4.26	1.72	10.4	11.6	9.8	11.7	7.5	4.7	14.8
31	12-00	211	3.01	3.83	5.51	5.91	1.81	11.8	11.8	12.1	11.7	8.5	4.8	15.6
31	15-00	229	2.60	3.28	3.76	3.88	1.58	10.5	11.1	9.8	10.9	7.8	4.9	14.8
31	18-00	219	2.46	3.04	3.82	3.89	1.54	11.4	11.3	12.9	11.7	8.2	4.8	16.4
31	21-00	222	2.16	2.68	3.40	3.53	1.37	10.8	12.0	10.9	12.5	8.0	5.0	16.4

ANEXO B

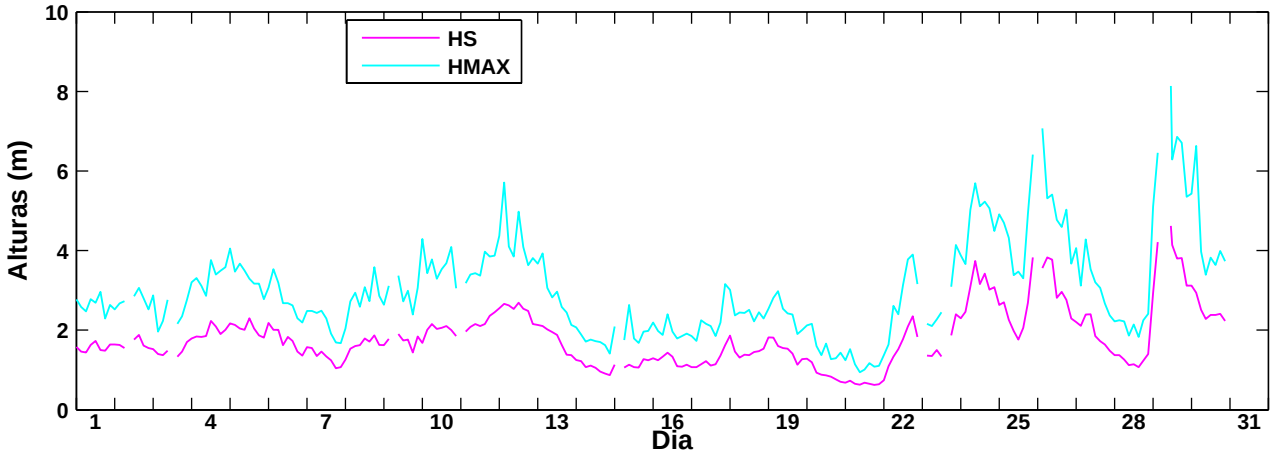
Gráficos temporais de HS, HMAX, TZ, TMAX, THS e THMAX

FLORES

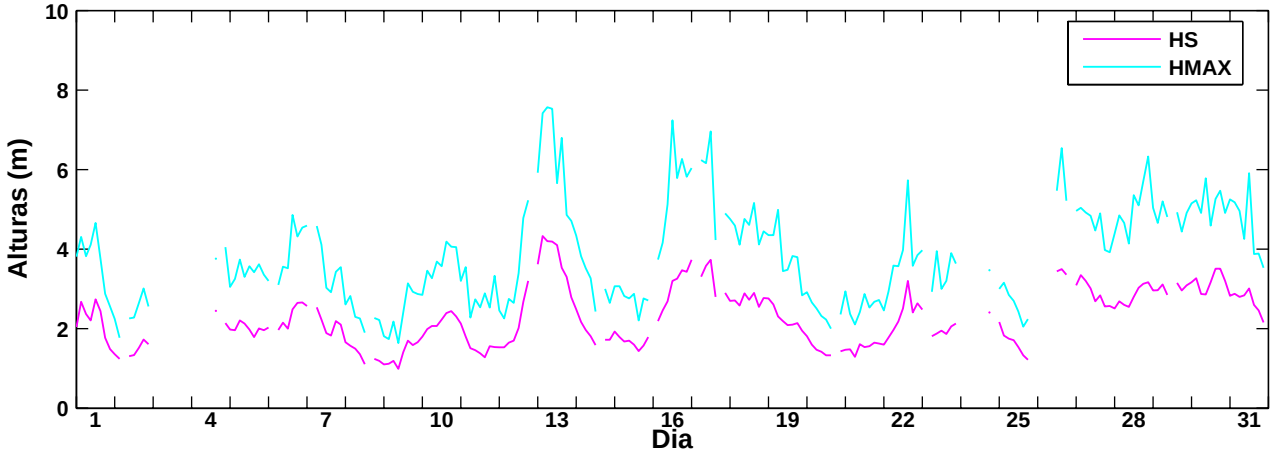
Séries temporais − Outubro 2006



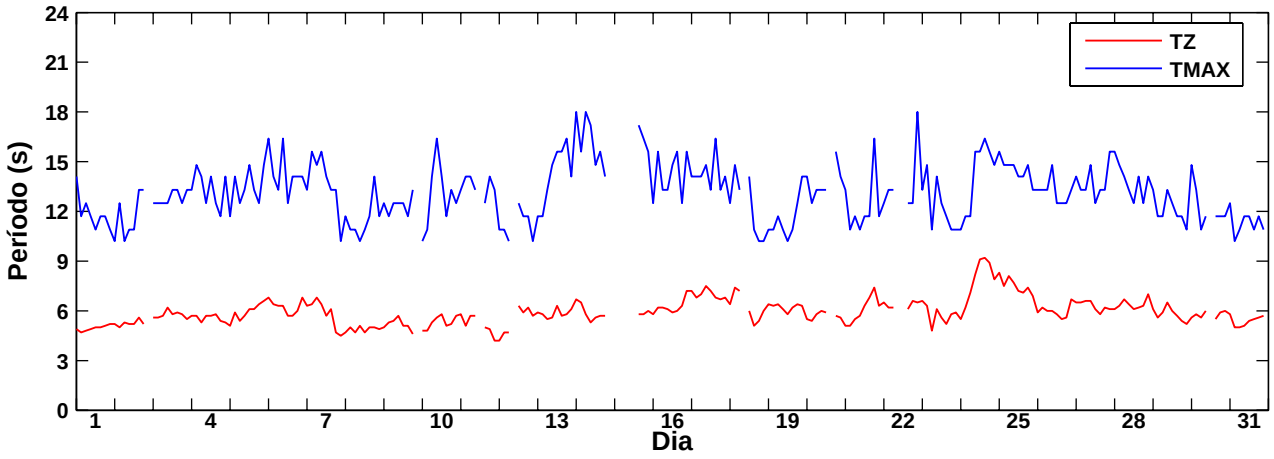
Séries temporais − Novembro 2006



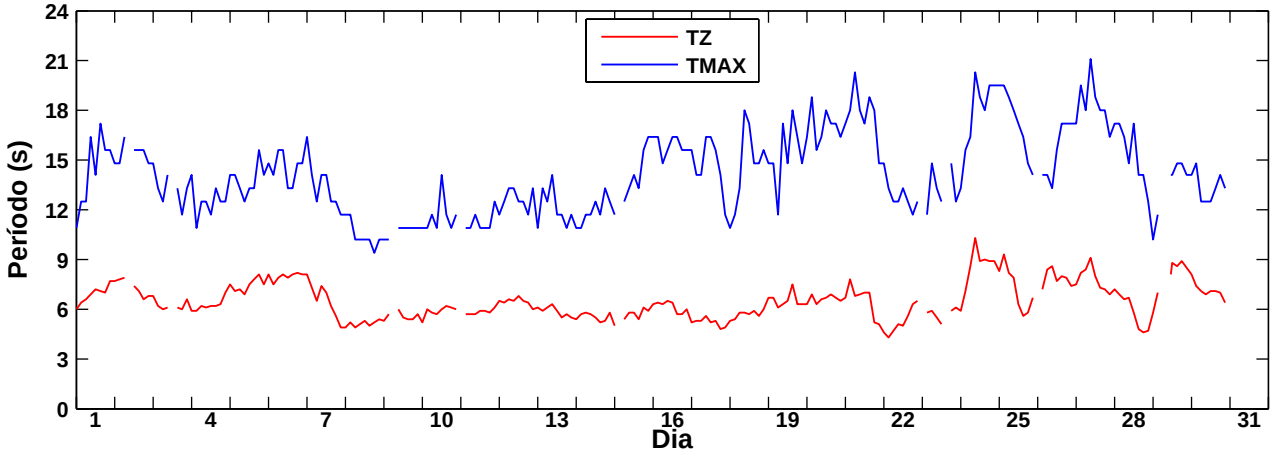
Séries temporais − Dezembro 2006



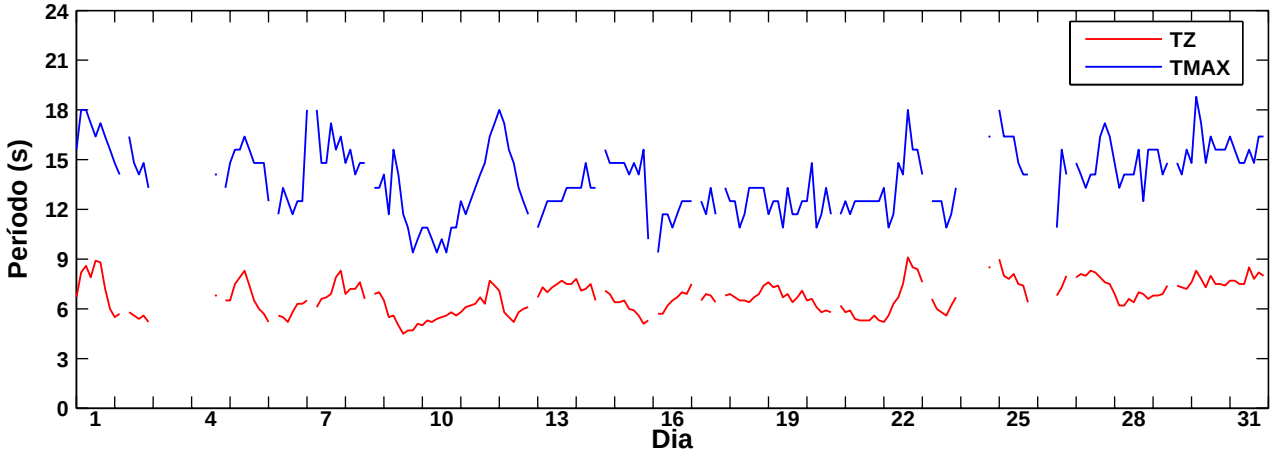
FLORES
Séries temporais − Outubro 2006



Séries temporais − Novembro 2006

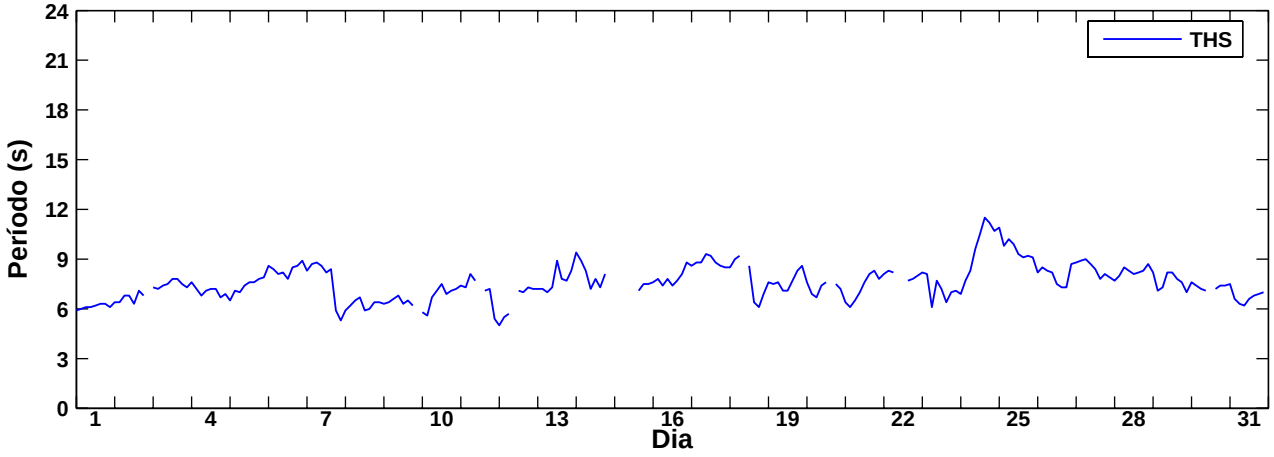


Séries temporais − Dezembro 2006

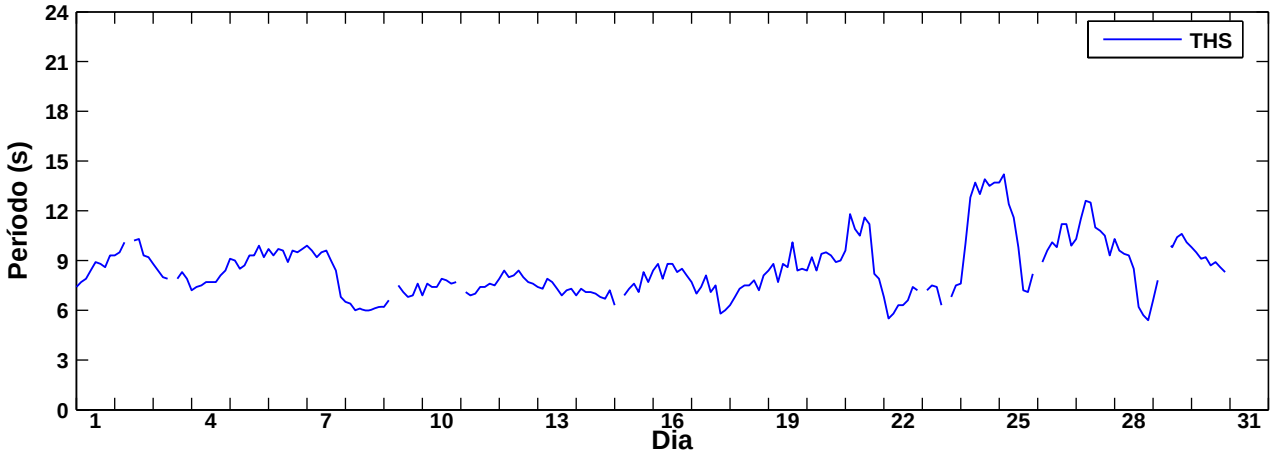


FLORES

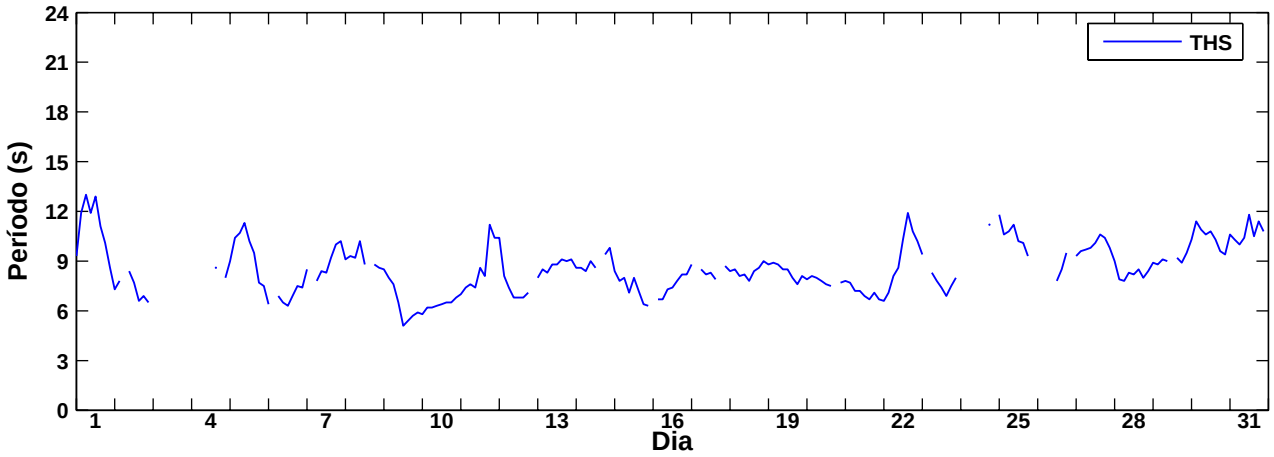
Série temporal − Outubro 2006



Série temporal − Novembro 2006

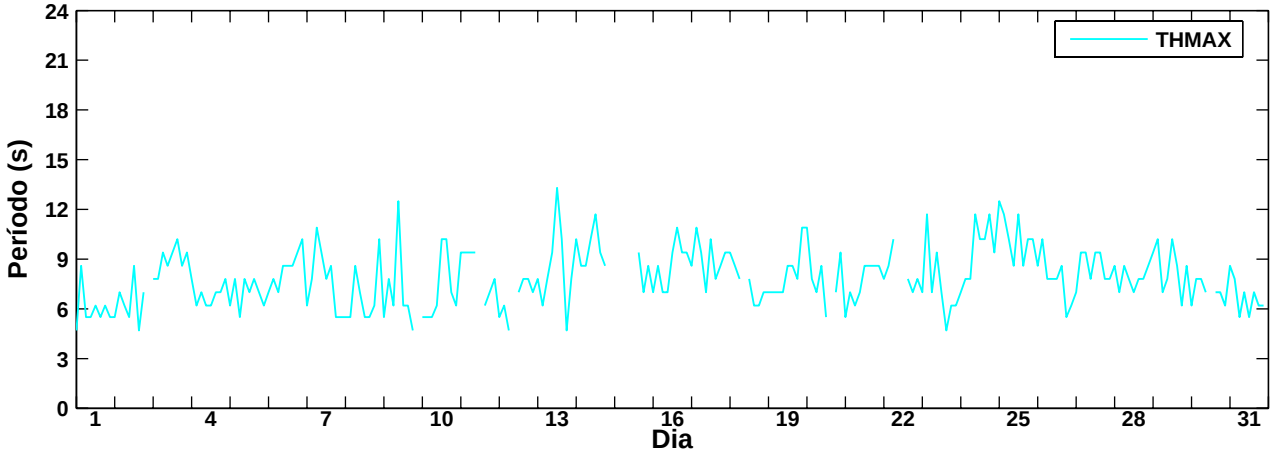


Série temporal − Dezembro 2006

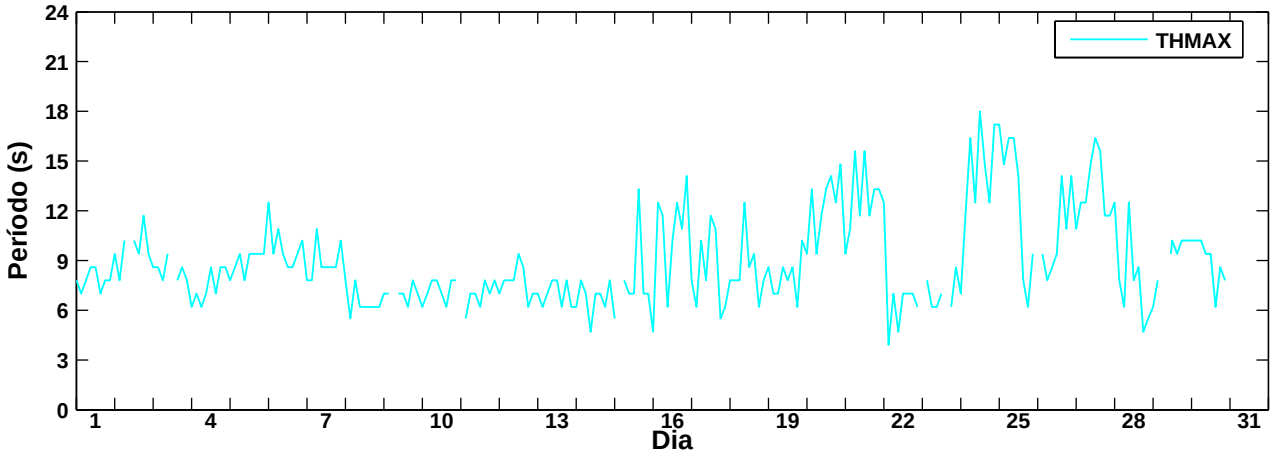


FLORES

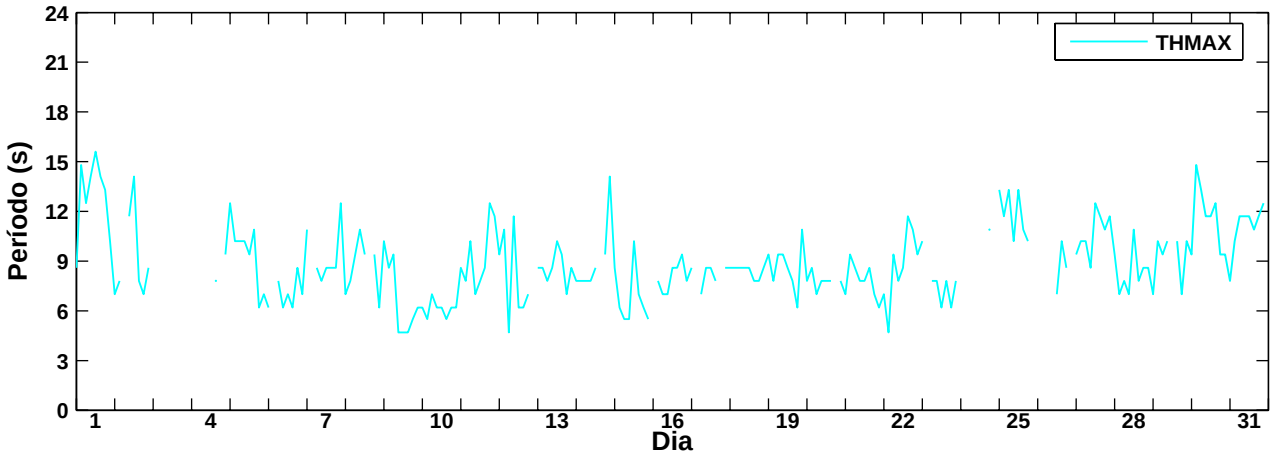
Série temporal − Outubro 2006



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 FLORES 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													1	0.4	6.2
1.0- 1.5			1		3	3	2	5	2		1							17	7.3	8.4
1.5- 2.0			1	10	7	14	12	7	8	1		1						61	26.2	8.0
2.0- 2.5			4	7	10	26	6	4	3	1								61	26.2	7.2
2.5- 3.0				6	4	18	7	5	7									47	20.2	7.9
3.0- 3.5					1	13	4	1	1	1								21	9.0	8.0
3.5- 4.0					3	6	4	3										16	6.9	7.9
4.0- 4.5										1	1							2	0.9	12.1
4.5- 5.0						1		1	1	1								4	1.7	9.8
5.0- 5.5									1									1	0.4	10.2
5.5- 6.0						1				1								2	0.9	9.4
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			6	23	29	82	35	26	23	6	2	1						233	100	
%			2.6	9.9	12.4	35.2	15.0	11.2	9.9	2.6	0.9	0.4						100		
MED			2.0	2.1	2.2	2.6	2.4	2.3	2.4	3.6	2.8	1.7								

THMAX

MED 7.9 MIN 4.7 MAX 13.3

DES.PAD 1.7 ASSIM 0.44 CURT 2.84

HMAX

MED 2.41 MIN 0.97 MAX 5.79

DES.PAD 0.83 ASSIM 1.24 CURT 5.18

TABELA DE OCORRENCIAS CONJUNTAS FLORES 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								1	0.4	11.7
1.0- 1.5						1		1		2	2	2	2	2				12	5.2	12.7
1.5- 2.0		1	1		3	9	4	1	5	1	3	2	1					31	13.4	9.0
2.0- 2.5			3	3	7	18	4	3	4	2	2	1						47	20.3	8.1
2.5- 3.0				1	5	16	8	5	2	2								39	16.9	8.0
3.0- 3.5				1	7	14	2	5	1		2		1	1	2			36	15.6	8.7
3.5- 4.0					5	13	3	3	1	1			2					28	12.1	8.3
4.0- 4.5					1	4	2		1		1				1	1		11	4.8	10.1
4.5- 5.0					1			2					2			1		6	2.6	11.8
5.0- 5.5					1	1	1		3		1		1		1		1	10	4.3	11.6
5.5- 6.0						1					1							2	0.9	10.1
6.0- 6.5						1		1	1									3	1.3	9.1
6.5- 7.0								1	2									3	1.3	9.9
7.0- 7.5								1										1	0.4	9.4
7.5- 8.0																				
8.0- 8.5								1										1	0.4	9.4
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	4	5	30	78	24	24	20	9	12	5	9	3	4	2	1	231	100	
%		0.4	1.7	2.2	13.0	33.8	10.4	10.4	8.7	3.9	5.2	2.2	3.9	1.3	1.7	0.9	0.4	100		
MED		1.6	2.2	2.5	3.0	3.0	2.9	3.7	3.5	2.1	2.8	1.5	3.3	1.7	4.0	4.7	5.1			

THMAX

MED 9.0 MIN 3.9 MAX 18.0

DES.PAD 2.8 ASSIM 1.07 CURT 3.68

HMAX

MED 3.03 MIN 0.94 MAX 8.14

DES.PAD 1.24 ASSIM 1.17 CURT 4.72

TABELA DE OCORRENCIAS CONJUNTAS FLORES 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																				
1.5- 2.0			1			1	1	1	1									5	2.4	8.1
2.0- 2.5			1		1	8	2	5	5	1		1	1					25	12.0	9.1
2.5- 3.0			2	4	4	11	5		4	1	1	2	1					35	16.7	8.2
3.0- 3.5			1	1	4	6	5	2	4	2	1	1						27	12.9	8.6
3.5- 4.0					6	10	2	3	5	2	3		1					32	15.3	9.0
4.0- 4.5				1	2	8	3	3		1	1		2					21	10.0	8.8
4.5- 5.0					2	4	8	3	6	3		1		1				28	13.4	9.4
5.0- 5.5						7	1	3	3		1		1					16	7.7	9.2
5.5- 6.0						1	3		1	3								8	3.8	9.9
6.0- 6.5						1	3	1										5	2.4	8.4
6.5- 7.0							1	1	1									3	1.4	9.4
7.0- 7.5							2											2	1.0	8.6
7.5- 8.0						1	1											2	1.0	8.2
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	6	19	58	37	22	30	13	7	5	6	1				209	100	
%			2.4	2.9	9.1	27.8	17.7	10.5	14.4	6.2	3.3	2.4	2.9	0.5				100		
MED			2.6	3.1	3.5	3.7	4.5	4.0	3.8	4.3	3.7	3.2	3.7	4.7						

THMAX

MED 8.9 MIN 4.7 MAX 15.6

DES.PAD 2.2 ASSIM 0.59 CURT 3.05

HMAX

MED 3.84 MIN 1.64 MAX 7.57

DES.PAD 1.26 ASSIM 0.62 CURT 2.93

TABELA DE OCORRENCIAS CONJUNTAS FLORES OUT 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	1											2	0.9	7.8
1.0- 1.5				1	5	8	5	6	3									28	12.0	8.2
1.5- 2.0			2	13	9	16	17	3	3		2							65	27.9	7.5
2.0- 2.5				2	17	25	14	10	1									69	29.6	7.7
2.5- 3.0					4	10	8	7	1									30	12.9	8.2
3.0- 3.5					2	6	11	5	1	1								26	11.2	8.3
3.5- 4.0					2			2										4	1.7	7.9
4.0- 4.5							1	1	1	1								4	1.7	10.1
4.5- 5.0								1		1								2	0.9	10.6
5.0- 5.5						1				2								3	1.3	9.9
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	16	39	67	57	35	10	5	2							233	100	
%			0.9	6.9	16.7	28.8	24.5	15.0	4.3	2.1	0.9							100		
MED			1.7	1.8	2.2	2.2	2.3	2.5	2.2	4.6	1.6									

TH100

MED 7.9 MIN 4.5 MAX 12.5

DES.PAD 1.4 ASSIM 0.37 CURT 3.09

H100

MED 2.26 MIN 0.90 MAX 5.43

DES.PAD 0.78 ASSIM 1.28 CURT 5.38

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						1	0.4	13.3
1.0- 1.5							2		2	2	2	4	1	1				14	6.1	12.1
1.5- 2.0		1	1	2	5	8	4	8	5		1	1						36	15.6	8.4
2.0- 2.5				3	8	11	13	9	4	2								50	21.6	8.2
2.5- 3.0				1	9	16	6	5	3		1							41	17.7	7.8
3.0- 3.5					8	9	6	5	2	1		2	2		1			36	15.6	8.9
3.5- 4.0						10	8	1		2			2	1				24	10.4	9.2
4.0- 4.5					1	1	1							2	1			6	2.6	11.5
4.5- 5.0					1	1		2					2	1	1			8	3.5	11.9
5.0- 5.5							1	1	2				1			1		6	2.6	11.5
5.5- 6.0												1						1	0.4	13.7
6.0- 6.5							2		4									6	2.6	9.6
6.5- 7.0								1										1	0.4	9.4
7.0- 7.5																				
7.5- 8.0								1										1	0.4	9.8
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	1	6	32	56	43	33	22	7	4	9	8	5	3	1		231	100	
%		0.4	0.4	2.6	13.9	24.2	18.6	14.3	9.5	3.0	1.7	3.9	3.5	2.2	1.3	0.4		100		
MED		1.6	2.0	2.1	2.7	2.8	2.9	2.9	3.2	2.5	1.8	2.1	3.7	3.6	4.2	5.1				

TH100

MED 9.0 MIN 3.9 MAX 17.2

DES.PAD 2.5 ASSIM 1.10 CURT 3.84

H100

MED 2.86 MIN 0.93 MAX 7.71

DES.PAD 1.18 ASSIM 1.21 CURT 4.85

TABELA DE OCORRENCIAS CONJUNTAS FLORES DEZ 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						3	2	2	1									8	3.8	8.5
2.0- 2.5			1		2	6	9	6	3	2	2							31	14.8	8.9
2.5- 3.0			1	3	5	10	8	4	2	1	3	1						38	18.2	8.3
3.0- 3.5				2	6	8	7	5	4	1								33	15.8	8.2
3.5- 4.0					4	3	3	4	3	1	2	2	1					23	11.0	9.6
4.0- 4.5					2	6	9	4	1	2			1	1				26	12.4	9.0
4.5- 5.0					1	2	4	10	4	2			2					25	12.0	9.8
5.0- 5.5						3	6	1	1			1						12	5.7	8.8
5.5- 6.0						2	1	3			1							7	3.3	9.1
6.0- 6.5							1	1										2	1.0	9.0
6.5- 7.0						1		1										2	1.0	8.4
7.0- 7.5							2											2	1.0	8.5
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	5	20	44	52	41	19	9	8	4	4	1				209	100	
%			1.0	2.4	9.6	21.1	24.9	19.6	9.1	4.3	3.8	1.9	1.9	0.5				100		
MED			2.5	2.9	3.3	3.5	3.7	3.9	3.5	3.6	3.3	3.8	4.5	4.3						

TH100

MED 8.9 MIN 4.7 MAX 15.2

DES.PAD 1.9 ASSIM 0.79 CURT 3.72

H100

MED 3.61 MIN 1.56 MAX 7.13

DES.PAD 1.17 ASSIM 0.54 CURT 2.74

TABELA DE OCORRENCIAS CONJUNTAS FLORES OUT 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		1	3											5	2.1	7.8
1.0- 1.5			1	4	13	27	18	9	4									76	32.6	7.7
1.5- 2.0				4	22	34	20	3										83	35.6	7.4
2.0- 2.5					3	11	15	10	2									41	17.6	8.3
2.5- 3.0					3	4	6	4	1									18	7.7	8.2
3.0- 3.5						1	2		1	1								5	2.1	9.2
3.5- 4.0								1		1								2	0.9	10.4
4.0- 4.5									1	1								2	0.9	11.1
4.5- 5.0										1								1	0.4	11.4
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	9	41	78	64	27	9	4								233	100	
%			0.4	3.9	17.6	33.5	27.5	11.6	3.9	1.7								100		
MED			1.4	1.4	1.7	1.7	1.8	2.0	2.2	4.0										

TH10

MED 7.9 MIN 4.8 MAX 11.6

DES.PAD 1.2 ASSIM 0.38 CURT 3.36

H10

MED 1.79 MIN 0.78 MAX 4.51

DES.PAD 0.62 ASSIM 1.41 CURT 6.03

TABELA DE OCORRENCIAS CONJUNTAS FLORES 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		4	1	2	3						11	4.8	11.6
1.0- 1.5					3	11	5	8	2	2								31	13.4	8.5
1.5- 2.0				4	6	15	16	12	8	2								63	27.3	8.4
2.0- 2.5				1	11	12	8	9	1	3	1	1						47	20.3	8.3
2.5- 3.0					1	17	8	11		1		2	2					42	18.2	8.8
3.0- 3.5						5	5	1	1		1		1		1			15	6.5	9.5
3.5- 4.0					1			1	3		1			2	1			9	3.9	11.7
4.0- 4.5													2	1				3	1.3	14.8
4.5- 5.0							1	4	2				1					8	3.5	10.4
5.0- 5.5						1												1	0.4	7.8
5.5- 6.0									1									1	0.4	10.0
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	22	61	44	46	22	9	5	6	6	3	2			231	100	
%				2.2	9.5	26.4	19.0	19.9	9.5	3.9	2.2	2.6	2.6	1.3	0.9			100		
MED				1.7	2.1	2.2	2.2	2.3	2.4	1.8	2.2	1.8	3.6	4.1	3.5					

TH10

MED 9.0 MIN 5.6 MAX 16.0

DES.PAD 2.1 ASSIM 1.18 CURT 4.32

H10

MED 2.25 MIN 0.79 MAX 5.80

DES.PAD 0.92 ASSIM 1.14 CURT 4.51

TABELA DE OCORRENCIAS CONJUNTAS FLORES DEZ 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	4	1										6	2.9	8.5
1.5- 2.0				2	3	12	6	6	4	2	1							36	17.2	8.5
2.0- 2.5				3	4	11	12	6	3	5								44	21.1	8.5
2.5- 3.0					8	5	8	2	3	4	2	1	1					34	16.3	8.9
3.0- 3.5					5	6	10	3	7	3	1	1						36	17.2	9.0
3.5- 4.0						1	8	8	3	7	1							28	13.4	9.8
4.0- 4.5						5	6	6		2								19	9.1	8.8
4.5- 5.0							2	1										3	1.4	8.7
5.0- 5.5							3											3	1.4	8.4
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	41	59	33	20	23	5	2	1					209	100	
%				2.4	9.6	19.6	28.2	15.8	9.6	11.0	2.4	1.0	0.5					100		
MED				2.0	2.6	2.5	3.0	3.0	2.8	3.0	2.9	3.2	2.9							

TH10

MED 8.8 MIN 5.1 MAX 14.0

DES.PAD 1.7 ASSIM 0.50 CURT 2.89

H10

MED 2.84 MIN 1.26 MAX 5.38

DES.PAD 0.89 ASSIM 0.45 CURT 2.47

TABELA DE OCORRENCIAS CONJUNTAS FLORES OUT 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	8	21	11	1										42	18.0	7.5
1.0- 1.5				10	30	50	12	1										103	44.2	7.1
1.5- 2.0					7	17	29	7										60	25.8	8.0
2.0- 2.5					3	6	7	3	1									20	8.6	8.1
2.5- 3.0					1		1		2									4	1.7	9.2
3.0- 3.5								1	1									2	0.9	10.1
3.5- 4.0										2								2	0.9	11.4
4.0- 4.5																				
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				11	49	94	60	13	4	2								233	100	
%				4.7	21.0	40.3	25.8	5.6	1.7	0.9								100		
MED				1.1	1.3	1.3	1.5	1.9	2.8	3.6										

THS

MED 7.6 MIN 5.0 MAX 11.5

DES.PAD 1.1 ASSIM 0.57 CURT 3.94

HS

MED 1.44 MIN 0.63 MAX 3.64

DES.PAD 0.49 ASSIM 1.42 CURT 6.22

TABELA DE OCORRENCIAS CONJUNTAS FLORES 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					3	2	3	5	2	3								18	7.8	9.1
1.0- 1.5				5	9	27	18	11	2									72	31.2	7.8
1.5- 2.0					17	16	11	12	5	2								63	27.3	8.1
2.0- 2.5					2	22	7	9	2	1	3							46	19.9	8.5
2.5- 3.0					1	2	5	3		2		1	1					15	6.5	9.4
3.0- 3.5								1	1		1	4						7	3.0	12.4
3.5- 4.0							2	1	3			1						7	3.0	10.2
4.0- 4.5						1		1										2	0.9	8.8
4.5- 5.0								1										1	0.4	9.9
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				5	32	70	46	44	15	8	4	6	1					231	100	
%				2.2	13.9	30.3	19.9	19.0	6.5	3.5	1.7	2.6	0.4					100		
MED				1.3	1.6	1.7	1.7	1.9	2.1	1.7	2.5	3.2	2.7							

THS

MED 8.5 MIN 5.4 MAX 14.2

DES.PAD 1.7 ASSIM 1.01 CURT 4.18

HS

MED 1.80 MIN 0.62 MAX 4.62

DES.PAD 0.73 ASSIM 1.13 CURT 4.60

TABELA DE OCORRENCIAS CONJUNTAS FLORES 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					1													1	0.5	6.5
1.0- 1.5				1		13	10	1	2									27	12.9	8.1
1.5- 2.0				4	13	12	11	9	8	2								59	28.2	8.1
2.0- 2.5					13	4	11	2	5	6		1						42	20.1	8.6
2.5- 3.0					1	8	15	5	12	1	1							43	20.6	9.1
3.0- 3.5						4	6	10	2	3								25	12.0	9.2
3.5- 4.0							5	2	1									8	3.8	8.9
4.0- 4.5							4											4	1.9	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				5	28	41	62	29	30	12	1	1						209	100	
%				2.4	13.4	19.6	29.7	13.9	14.4	5.7	0.5	0.5						100		
MED				1.6	1.9	2.0	2.5	2.5	2.3	2.4	2.7	2.4								

THS

MED 8.6 MIN 5.1 MAX 13.0

DES.PAD 1.5 ASSIM 0.40 CURT 2.82

HS

MED 2.28 MIN 0.99 MAX 4.33

DES.PAD 0.72 ASSIM 0.47 CURT 2.52

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	29	9													42	18.0	5.6
1.0- 1.5			14	60	28	1												103	44.2	5.6
1.5- 2.0			1	18	31	10												60	25.8	6.2
2.0- 2.5				5	11	3	1											20	8.6	6.4
2.5- 3.0					1	2	1											4	1.7	7.3
3.0- 3.5							1	1										2	0.9	8.6
3.5- 4.0							1	1										2	0.9	9.0
4.0- 4.5																				
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			19	112	80	16	4	2										233	100	
%			8.2	48.1	34.3	6.9	1.7	0.9										100		
MED			1.1	1.3	1.5	1.9	2.9	3.5												

TZ

MED 5.9 MIN 4.2 MAX 9.2

DES.PAD 0.8 ASSIM 1.01 CURT 5.14

HS

MED 1.44 MIN 0.63 MAX 3.64

DES.PAD 0.49 ASSIM 1.42 CURT 6.22

TABELA DE OCORRENCIAS CONJUNTAS FLORES 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	5	9	3												18	7.8	6.3
1.0- 1.5			8	33	24	5	2											72	31.2	5.9
1.5- 2.0			2	22	20	14	5											63	27.3	6.4
2.0- 2.5				11	16	14	4	1										46	19.9	6.7
2.5- 3.0				2	6	4	2	1										15	6.5	7.1
3.0- 3.5							6	1										7	3.0	8.7
3.5- 4.0					1	1	4		1									7	3.0	8.4
4.0- 4.5						1	1											2	0.9	7.9
4.5- 5.0							1											1	0.4	8.1
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			11	73	76	42	25	3	1									231	100	
%			4.8	31.6	32.9	18.2	10.8	1.3	0.4									100		
MED			1.3	1.5	1.7	2.0	2.7	2.8	3.7											

TZ

MED 6.5 MIN 4.3 MAX 10.3

DES.PAD 1.1 ASSIM 0.62 CURT 2.94

HS

MED 1.80 MIN 0.62 MAX 4.62

DES.PAD 0.73 ASSIM 1.13 CURT 4.60

TABELA DE OCORRENCIAS CONJUNTAS FLORES 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				1														1	0.5	5.0
1.0- 1.5			1	13	10	3												27	12.9	6.1
1.5- 2.0			2	23	18	14	2											59	28.2	6.3
2.0- 2.5				14	12	7	8	1										42	20.1	6.8
2.5- 3.0					22	17	4											43	20.6	7.1
3.0- 3.5					9	8	7	1										25	12.0	7.4
3.5- 4.0					3	5												8	3.8	7.2
4.0- 4.5						4												4	1.9	7.3
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			3	51	74	58	21	2										209	100	
%			1.4	24.4	35.4	27.8	10.0	1.0										100		
MED			1.6	1.7	2.3	2.6	2.6	2.7												

TZ

MED 6.7 MIN 4.5 MAX 9.1

DES.PAD 1.0 ASSIM 0.09 CURT 2.31

HS

MED 2.28 MIN 0.99 MAX 4.33

DES.PAD 0.72 ASSIM 0.47 CURT 2.52

TABELA DE OCORRENCIAS CONJUNTAS FLORES 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							1	0.4	12.5
1.0- 1.5									1	2	2	3	4	2	2		1	17	7.3	14.0
1.5- 2.0									9	7	8	12	15	6	2	1	1	61	26.2	13.3
2.0- 2.5									13	12	14	6	12	2		1	1	61	26.2	12.6
2.5- 3.0									7	7	8	14	8	1	2			47	20.2	12.9
3.0- 3.5									4	3	2	4	7		1			21	9.0	13.1
3.5- 4.0									2	3	1	4	4	2				16	6.9	13.1
4.0- 4.5													1	1				2	0.9	15.2
4.5- 5.0										1			1	2				4	1.7	14.4
5.0- 5.5															1			1	0.4	16.4
5.5- 6.0									1					1				2	0.9	12.9
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									37	35	36	43	52	17	8	2	3	233	100	
%									15.9	15.0	15.5	18.5	22.3	7.3	3.4	0.9	1.3	100		
MED									2.5	2.4	2.2	2.4	2.4	2.8	2.6	1.8	1.8			

TMAX

MED 13.1 MIN 10.2 MAX 18.0

DES.PAD 1.7 ASSIM 0.39 CURT 2.72

HMAX

MED 2.41 MIN 0.97 MAX 5.79

DES.PAD 0.83 ASSIM 1.24 CURT 5.18

TABELA DE OCORRENCIAS CONJUNTAS FLORES 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	1	0.4	18.0
1.0- 1.5										1		2		2	4	3	12	5.2	16.7	
1.5- 2.0									1	4	4	4	5	6	5		2	31	13.4	14.3
2.0- 2.5									3	6	6	3	13	3	7	3	3	47	20.3	14.3
2.5- 3.0									8	4	3	4	10	4	2	3	1	39	16.9	13.6
3.0- 3.5									11	3	5	4	4	3	1	1	4	36	15.6	13.4
3.5- 4.0								1	3	5	6	7	3	1		1	1	28	12.1	13.0
4.0- 4.5									2	1	2	1	1			1	3	11	4.8	14.5
4.5- 5.0											1		1	1		1	2	6	2.6	16.5
5.0- 5.5									1			1	3		1	1	3	10	4.3	15.6
5.5- 6.0											1						1	2	0.9	16.4
6.0- 6.5										1			2					3	1.3	13.3
6.5- 7.0													3					3	1.3	14.8
7.0- 7.5													1					1	0.4	14.1
7.5- 8.0																				
8.0- 8.5													1					1	0.4	14.1
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	29	24	29	24	49	18	18	15	24	231	100	
%								0.4	12.6	10.4	12.6	10.4	21.2	7.8	7.8	6.5	10.4	100		
MED								3.6	3.2	2.9	3.1	3.1	3.4	2.6	2.3	2.7	3.2			

TMAX

MED 14.2 MIN 9.4 MAX 21.1

DES.PAD 2.5 ASSIM 0.41 CURT 2.44

HMAX

MED 3.03 MIN 0.94 MAX 8.14

DES.PAD 1.24 ASSIM 1.17 CURT 4.72

TABELA DE OCORRENCIAS CONJUNTAS FLORES 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																				
1.5- 2.0										1			4					5	2.4	13.8
2.0- 2.5										5	3	5	8	1	1	1	1	25	12.0	13.8
2.5- 3.0								1	5		8	2	10	4	4	1		35	16.7	13.7
3.0- 3.5									5	1	3	3	7	3	3	1	1	27	12.9	14.0
3.5- 4.0								2	1	5	2	3	7	5	4	2	1	32	15.3	14.1
4.0- 4.5								1	3	3	2	4	6			1	1	21	10.0	13.2
4.5- 5.0										2	5	6	6	3	3	1	2	28	13.4	14.4
5.0- 5.5									1	2		1	5	5	1		1	16	7.7	14.5
5.5- 6.0									1	1	3		1	1			1	8	3.8	13.6
6.0- 6.5										1	3			1				5	2.4	13.0
6.5- 7.0											1	1		1				3	1.4	13.8
7.0- 7.5									1	1								2	1.0	11.3
7.5- 8.0											2							2	1.0	12.5
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	17	22	32	25	54	24	16	7	8	209	100	
%								1.9	8.1	10.5	15.3	12.0	25.8	11.5	7.7	3.3	3.8	100		
MED								3.6	3.8	4.0	4.3	3.8	3.5	4.2	3.6	3.6	4.2			

TMAX

MED 13.9 MIN 9.4 MAX 18.8

DES.PAD 2.0 ASSIM 0.06 CURT 2.42

HMAX

MED 3.84 MIN 1.64 MAX 7.57

DES.PAD 1.26 ASSIM 0.62 CURT 2.93

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.

PARAMETROS ESPECTRAIS E DIRECCIONAIS FLORES OUT 2006

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	1.32	4.5	5.5	0.742	40	35	49	173	7.9
01	03-00	9	1.32	4.3	4.9	0.612	50	29	51	152	8.7
01	06-00	9	1.24	4.4	6.2	0.674	48	26	52	105	10.7
01	09-00	9	1.48	4.7	7.0	0.979	46	28	51	111	7.4
01	12-00	9	1.49	4.7	5.5	1.195	55	23	61	104	8.1
01	15-00	9	1.51	4.8	7.0	1.128	49	28	55	93	7.1
01	18-00	9	1.58	4.7	6.2	1.094	54	28	55	91	6.3
01	21-00	9	1.55	4.7	7.0	1.328	50	24	54	91	9.6
02	00-00	9	1.50	4.7	6.2	1.173	56	28	55	94	6.3
02	03-00	9	1.54	4.7	6.2	1.079	61	33	57	92	3.7
02	06-00	9	1.57	5.1	7.0	1.405	59	27	58	93	5.9
02	09-00	9	1.67	5.2	7.0	1.415	61	27	64	84	5.2
02	12-00	9	1.58	5.0	7.0	1.109	63	31	58	79	3.8
02	15-00	9	1.60	5.1	11.1	1.207	60	31	58	83	23.3
02	18-00	9	1.44	4.9	11.1	1.134	54	25	66	82	20.5
03	00-00	9	1.23	5.1	7.0	0.640	61	37	68	86	1.8
03	03-00	9	1.22	5.3	10.5	0.681	56	46	68	102	3.9
03	06-00	9	1.18	5.5	10.0	0.956	60	26	82	99	16.3
03	09-00	9	1.16	5.6	10.5	1.119	55	24	78	92	15.6
03	12-00	9	1.25	5.6	10.5	1.153	53	28	72	86	15.4
03	15-00	9	1.07	5.4	10.0	0.600	53	32	79	92	10.4
03	18-00	9	0.97	5.4	8.0	0.476	57	46	97	91	2.1
03	21-00	9	1.12	5.3	10.5	0.972	57	33	99	103	7.3
04	00-00	9	1.08	5.2	10.5	0.788	66	43	99	113	6.8
04	03-00	9	1.18	5.2	7.0	0.729	112	43	113	108	0.9
04	06-00	9	1.26	5.0	7.0	0.821	122	37	123	116	2.4
04	09-00	9	1.38	5.4	7.0	1.238	123	32	129	115	4.3
04	12-00	9	1.33	5.2	7.0	0.889	119	39	118	124	1.9
04	15-00	9	1.51	5.5	8.0	1.461	123	38	123	127	3.0
04	18-00	9	1.46	5.0	7.0	0.990	126	31	141	138	3.5
04	21-00	9	1.38	4.8	6.2	0.813	128	32	146	132	3.0
05	00-00	9	1.36	4.7	7.0	1.132	121	33	153	136	3.0
05	03-00	9	1.41	5.4	7.0	1.052	139	32	160	170	3.7
05	06-00	9	1.51	5.0	7.0	0.987	152	34	164	165	3.4
05	09-00	9	1.39	5.1	8.0	0.999	150	42	160	177	3.1
05	12-00	9	1.38	5.6	16.7	0.850	167	28	163	189	18.6
05	15-00	9	1.41	5.9	8.0	1.391	180	42	169	210	1.9
05	18-00	9	1.46	6.1	7.0	1.287	167	35	177	208	2.9
05	21-00	9	1.38	6.0	7.0	1.285	161	25	189	202	8.5
06	00-00	9	1.33	6.3	7.0	1.299	161	31	126	199	5.0
06	03-00	9	1.22	6.3	8.0	1.150	191	45	114	193	1.1
06	06-00	9	1.25	5.9	8.0	1.693	194	33	101	195	2.5
06	09-00	9	1.15	5.7	8.0	0.920	195	39	76	200	1.8
06	12-00	9	1.20	5.4	12.5	0.778	184	38	61	200	3.4
06	15-00	9	1.13	5.2	11.1	0.965	248	27	72	208	11.1

PARAMETROS ESPECTRAIS E DIRECCIONAIS FLORES OUT 2006

DIA	HORA	NG	HM0 (m)	T02 (s)	TP (s)	SMAX (m2.s)	THTP1 (graus)	SPRTP1 (graus)	THHF1 (graus)	THLF1 (graus)	N
06	18-00	9	1.00	5.7	11.1	0.869	252	33	68	206	6.7
06	21-00	9	1.06	6.1	10.5	0.817	256	27	70	208	12.6
07	00-00	9	1.01	5.7	14.3	0.696	166	30	73	185	10.1
07	03-00	9	1.07	6.1	13.3	0.751	161	24	65	183	15.1
07	06-00	9	0.98	6.2	13.3	0.760	162	18	68	190	34.7
07	09-00	9	0.99	5.8	12.5	0.666	165	24	67	189	11.0
07	12-00	9	1.00	5.0	13.3	0.677	164	35	214	186	5.5
07	15-00	9	0.94	5.5	13.3	0.563	164	34	235	175	6.4
07	18-00	9	1.20	4.4	4.9	0.597	253	21	243	197	14.9
07	21-00	9	1.30	4.2	5.5	0.820	252	26	245	190	7.5
08	00-00	9	1.40	4.4	5.5	1.141	253	24	246	180	7.5
08	03-00	9	1.16	4.5	6.2	0.709	244	35	359	171	3.0
08	06-00	9	0.93	4.2	12.5	0.548	168	31	3	178	7.7
08	09-00	9	1.21	4.8	7.0	0.947	266	35	8	185	10.1
08	12-00	9	1.22	4.3	8.0	0.562	261	43	38	181	5.5
08	15-00	9	1.23	4.6	5.5	0.583	51	42	51	177	5.9
08	18-00	9	1.10	4.6	5.5	0.465	45	51	60	190	3.5
08	21-00	9	1.09	4.5	10.5	0.577	208	54	73	191	0.2
09	00-00	9	1.22	4.6	6.2	0.519	60	44	78	192	2.6
09	03-00	9	1.17	5.0	5.5	0.708	68	36	75	172	2.9
09	06-00	9	1.10	5.1	5.5	0.581	75	48	74	196	2.0
09	09-00	9	1.09	5.4	5.5	0.557	90	50	86	197	2.3
09	12-00	9	1.01	5.0	10.0	0.425	236	57	100	201	0.8
09	15-00	9	0.95	4.6	5.5	0.423	69	46	67	169	1.3
09	18-00	9	0.99	4.2	9.1	0.438	212	65	237	189	1.1
10	00-00	9	1.14	4.6	5.5	0.578	262	40	254	214	5.6
10	03-00	9	1.38	4.5	5.5	1.043	261	29	251	227	5.6
10	06-00	9	1.05	5.0	6.2	0.535	255	29	251	227	8.2
10	09-00	9	0.94	5.0	7.0	0.435	267	32	265	229	9.6
10	12-00	9	0.94	5.3	13.3	0.598	212	37	259	231	2.5
10	15-00	9	1.00	4.7	12.5	0.623	230	42	265	229	2.0
10	18-00	9	0.97	4.7	12.5	0.371	232	58	267	235	0.9
10	21-00	9	0.87	5.4	11.1	0.453	244	48	266	231	4.0
11	00-00	9	0.97	5.3	11.1	0.647	247	35	259	234	7.3
11	03-00	9	0.91	4.5	11.8	0.462	240	52	283	235	2.6
11	06-00	9	0.79	5.2	12.5	0.504	212	47	273	230	1.2
11	09-00	9	0.81	5.1	10.0	0.444	244	64	257	227	2.8
11	15-00	9	0.71	4.4	11.8	0.347	222	55	249	214	0.7
11	18-00	9	0.73	4.2	11.8	0.463	212	52	209	217	0.4
11	21-00	9	0.81	3.8	10.0	0.348	246	51	200	205	2.6
12	00-00	9	1.22	4.1	4.9	0.866	184	34	186	203	2.6
12	03-00	9	1.38	4.4	5.5	1.346	182	31	185	211	5.8
12	06-00	9	1.39	4.4	6.2	1.049	173	31	189	202	4.6
12	12-00	9	1.39	5.9	7.0	2.072	189	26	168	207	6.4
12	15-00	9	1.42	5.6	7.0	2.006	185	28	210	186	4.7

PARAMETROS ESPECTRAIS E DIRECCIONAIS FLORES OUT 2006

DIA	HORA	NG	HM0 (m)	T02 (s)	TP (s)	SMAX (m2.s)	THTP1 (graus)	SPRTP1 (graus)	THHF1 (graus)	THLF1 (graus)	N
12	18-00	9	1.31	5.7	8.0	1.511	198	32	251	207	4.3
12	21-00	9	1.25	5.5	8.0	1.550	191	33	264	191	3.9
13	00-00	9	1.16	5.6	8.0	1.290	197	41	308	188	2.1
13	03-00	9	1.00	5.2	7.0	0.750	203	52	303	204	1.4
13	06-00	9	1.00	4.9	7.0	0.547	226	68	317	179	0.4
13	09-00	9	1.10	5.3	14.3	0.782	231	29	15	214	15.9
13	12-00	9	1.24	5.8	14.3	2.171	231	19	18	234	20.8
13	15-00	9	1.13	5.2	14.3	1.126	226	27	29	234	11.7
13	18-00	9	1.00	5.3	15.4	0.595	213	40	17	240	5.7
13	21-00	9	1.13	5.7	12.5	0.687	244	33	334	230	11.6
14	00-00	9	1.07	6.3	15.4	1.634	227	33	312	238	8.3
14	03-00	9	1.06	6.2	15.4	1.054	217	39	314	239	3.6
14	06-00	9	1.10	5.5	15.4	1.171	180	48	328	220	1.6
14	09-00	9	1.05	4.9	16.7	0.703	169	47	294	229	1.0
14	12-00	9	1.10	5.3	15.4	1.063	183	44	284	242	0.8
14	15-00	9	1.08	5.0	15.4	0.906	189	39	320	235	1.7
14	18-00	9	1.12	5.2	15.4	1.365	197	36	347	235	2.3
15	15-00	9	1.35	5.4	15.4	1.041	178	37	13	206	2.9
15	18-00	9	1.28	5.3	15.4	1.005	175	35	13	118	2.5
15	21-00	9	1.25	5.5	15.4	0.858	171	39	10	135	2.5
16	00-00	9	1.40	5.6	8.0	1.261	47	28	45	111	19.2
16	03-00	9	1.30	5.9	7.0	1.047	36	39	28	107	10.4
16	06-00	9	1.37	5.7	8.0	1.067	45	32	36	107	14.9
16	09-00	9	1.31	5.5	8.0	1.295	43	30	45	105	19.6
16	12-00	9	1.26	5.6	14.3	0.977	158	32	13	107	6.3
16	15-00	9	1.23	5.4	15.4	0.950	159	28	345	109	6.8
16	18-00	9	1.39	5.7	8.0	1.124	38	34	357	96	14.2
16	21-00	9	1.73	6.4	10.0	2.303	50	21	34	70	43.2
17	00-00	9	2.14	6.8	10.0	4.011	51	16	40	77	48.2
17	03-00	9	1.90	6.5	11.8	2.592	62	28	51	76	14.1
17	06-00	9	1.65	6.6	12.5	2.793	74	28	43	80	7.8
17	09-00	9	1.94	6.6	11.8	4.533	67	19	51	72	19.5
17	12-00	9	2.28	7.0	11.1	6.659	62	19	52	73	19.7
17	15-00	9	1.84	6.5	11.8	3.547	62	25	52	79	14.5
17	18-00	9	1.61	6.4	8.0	1.837	51	20	56	90	24.7
17	21-00	9	1.72	6.5	11.1	2.882	63	23	60	82	18.1
18	00-00	9	1.72	6.2	10.5	3.382	55	22	63	84	18.4
18	03-00	9	1.51	6.9	10.5	2.251	60	30	55	95	9.7
18	06-00	9	1.55	6.5	10.5	2.846	60	22	6	88	13.4
18	12-00	9	1.89	5.5	10.0	4.803	47	25	231	84	15.5
18	15-00	9	1.71	4.7	10.0	1.837	58	31	224	107	9.3
18	18-00	9	2.45	5.3	6.2	5.433	226	25	229	139	6.1
18	21-00	9	3.03	5.9	8.0	9.253	245	28	239	178	10.9
19	00-00	9	2.14	6.1	8.0	6.035	237	35	201	165	6.7
19	03-00	9	1.67	5.9	8.0	2.393	237	40	240	182	2.4

PARAMETROS ESPECTRAIS E DIRECCIONAIS FLORES OUT 2006

DIA	HORA	NG	HM0 (m)	T02 (s)	TP (s)	SMAX (m2.s)	THTP1 (graus)	SPRTP1 (graus)	THHF1 (graus)	THLF1 (graus)	N
19	06-00	9	1.53	6.2	8.0	2.735	240	28	244	181	11.4
19	09-00	9	1.49	5.7	8.0	1.739	245	39	252	167	11.0
19	12-00	9	1.32	5.4	7.0	1.280	246	34	268	167	8.2
19	15-00	9	1.47	5.6	8.0	1.683	252	43	259	218	7.6
19	18-00	9	1.54	6.0	10.0	1.666	264	67	262	223	7.5
19	21-00	9	1.67	5.9	10.5	2.537	16	75	266	40	6.0
20	00-00	9	1.50	5.2	8.0	1.232	259	60	251	223	2.6
20	03-00	9	1.63	5.4	8.0	1.411	235	35	246	207	9.1
20	06-00	9	1.87	5.4	6.2	1.799	263	27	256	212	7.3
20	09-00	9	1.85	5.5	7.0	1.545	255	32	250	167	4.8
20	12-00	9	1.67	5.3	8.0	1.321	262	54	256	77	4.1
20	18-00	9	1.63	5.2	14.3	2.330	218	43	234	227	7.5
20	21-00	9	1.96	5.4	14.3	3.494	227	42	249	235	10.6
21	00-00	9	1.83	4.9	6.2	1.756	239	36	236	212	3.0
21	03-00	9	1.98	4.9	6.2	2.061	241	29	231	211	6.6
21	06-00	9	2.29	5.1	7.0	4.412	247	27	240	203	5.3
21	09-00	9	2.34	5.4	7.0	4.446	240	27	247	203	5.2
21	12-00	9	2.16	5.8	8.0	4.015	236	26	237	228	5.1
21	15-00	9	2.27	6.7	9.1	4.998	246	28	227	207	6.0
21	18-00	9	2.25	7.2	9.1	5.998	253	29	234	261	7.2
21	21-00	9	1.98	6.3	8.0	4.247	245	29	240	198	6.3
22	00-00	9	1.78	6.1	9.1	2.345	252	43	241	11	10.9
22	03-00	9	1.75	5.8	9.1	3.150	252	49	246	228	7.4
22	06-00	9	1.85	5.9	10.5	3.681	263	51	240	158	10.1
22	15-00	9	1.71	5.8	9.1	1.579	246	42	234	204	8.4
22	18-00	9	1.61	6.3	7.0	1.652	232	37	246	180	2.5
22	21-00	9	1.54	6.2	8.0	1.358	251	45	251	170	4.0
23	00-00	9	1.66	6.2	8.0	1.775	251	69	223	44	4.5
23	03-00	9	1.57	5.6	9.1	1.413	331	74	215	53	4.9
23	06-00	9	1.75	4.7	8.0	1.232	230	50	223	117	3.4
23	09-00	9	1.53	5.6	7.0	1.216	231	36	223	58	4.0
23	12-00	9	1.52	5.1	7.0	1.484	230	39	224	126	2.8
23	15-00	9	1.69	4.8	7.0	1.552	233	35	232	213	2.7
23	18-00	9	1.87	5.4	7.0	2.373	233	29	241	213	4.6
23	21-00	9	2.08	5.6	8.0	4.394	249	26	249	209	7.1
24	00-00	9	2.22	5.2	8.0	3.648	236	27	247	218	6.0
24	03-00	9	1.99	5.8	9.1	4.056	234	32	239	195	6.9
24	06-00	9	2.74	6.9	9.1	8.722	241	22	239	217	10.8
24	09-00	9	3.36	8.0	10.5	19.840	250	25	254	243	16.7
24	12-00	9	3.64	8.4	11.1	23.863	248	22	257	244	27.9
24	15-00	9	3.87	8.8	12.5	25.409	245	27	259	244	16.9
24	18-00	9	3.44	8.6	13.3	22.661	237	25	266	245	12.0
24	21-00	9	2.98	7.8	12.5	11.209	245	31	266	245	15.0
25	00-00	9	2.90	7.8	12.5	12.690	245	29	288	245	16.3
25	03-00	9	2.50	7.5	12.5	8.851	253	46	340	264	17.2

DIA	HORA	NG	HM0 (m)	T02 (s)	TP (s)	SMAX (m2.s)	THTP1 (graus)	SPRTP1 (graus)	THHF1 (graus)	THLF1 (graus)	N
25	06-00	9	2.40	7.7	12.5	8.654	249	30	318	257	23.5
25	09-00	9	2.00	7.2	12.5	4.191	243	38	272	247	15.9
25	12-00	9	1.95	6.8	9.1	3.012	301	66	267	256	5.2
25	15-00	9	1.83	6.6	11.1	3.809	257	55	299	264	23.4
25	18-00	9	1.81	6.9	11.8	3.059	257	61	252	52	7.2
25	21-00	9	1.75	6.2	10.5	3.691	265	58	241	100	11.3
26	00-00	9	1.71	5.5	11.1	2.605	52	69	251	57	13.4
26	03-00	9	1.99	5.9	10.0	4.090	41	50	236	69	7.7
26	06-00	9	2.04	5.7	10.0	4.304	48	56	236	69	19.8
26	09-00	9	2.15	5.7	10.5	3.274	57	47	239	66	21.5
26	12-00	9	1.97	5.4	11.1	2.156	64	44	230	72	15.5
26	15-00	9	1.78	5.2	10.5	2.083	58	48	222	57	24.4
26	18-00	9	1.97	5.4	10.0	1.884	287	73	222	141	9.3
26	21-00	9	2.28	6.1	11.1	7.306	261	49	227	247	30.4
27	00-00	9	2.34	6.3	11.1	6.560	270	52	226	245	17.0
27	03-00	9	2.56	6.4	11.1	8.258	259	53	217	244	23.2
27	06-00	9	2.26	6.1	11.8	4.937	254	64	215	234	17.2
27	09-00	9	2.56	6.4	11.1	6.557	252	46	216	238	12.3
27	12-00	9	2.20	5.7	11.1	3.647	263	61	213	239	13.0
27	15-00	9	2.22	5.7	10.5	4.827	258	39	208	242	7.5
27	18-00	9	2.19	5.7	11.8	3.574	261	43	213	248	4.1
27	21-00	9	2.29	6.0	9.1	3.427	253	36	206	239	14.6
28	00-00	9	2.23	5.9	8.0	2.931	246	29	198	229	6.6
28	03-00	9	1.99	6.0	11.1	3.048	243	43	192	225	12.1
28	06-00	9	2.15	6.1	11.1	4.020	249	56	197	233	14.8
28	09-00	9	2.08	6.3	11.8	4.160	243	23	203	233	20.7
28	12-00	9	2.00	5.7	11.1	2.747	245	30	210	238	11.6
28	15-00	9	2.08	5.9	10.5	3.454	244	30	205	242	6.7
28	18-00	9	1.89	6.0	11.8	2.577	238	29	208	228	10.9
28	21-00	9	1.86	6.5	11.8	2.736	239	23	202	231	12.3
29	00-00	9	1.76	5.8	11.1	3.089	243	25	205	227	19.3
29	03-00	9	1.84	5.1	9.1	1.938	254	31	206	241	5.6
29	06-00	9	1.85	5.4	9.1	2.004	246	35	224	234	8.0
29	09-00	9	1.62	6.1	9.1	1.939	249	25	224	230	14.5
29	12-00	9	1.41	5.8	10.0	1.519	244	23	234	232	14.7
29	15-00	9	1.37	5.5	10.0	1.341	243	24	21	234	16.7
29	18-00	9	1.38	4.9	10.0	1.582	248	26	33	237	17.4
29	21-00	9	1.40	4.7	9.1	1.198	257	32	28	237	12.7
30	00-00	9	1.53	5.4	10.0	1.722	258	32	41	222	16.8
30	03-00	9	1.57	5.3	7.0	1.322	35	50	50	243	5.2
30	06-00	9	1.83	5.6	8.0	2.733	37	43	47	295	10.4
30	09-00	9	2.05	5.5	8.0	2.936	45	32	50	13	8.6
30	15-00	9	1.71	5.3	8.0	2.582	42	32	57	51	23.7
30	18-00	9	1.60	5.7	8.0	2.156	28	40	63	235	9.9
30	21-00	9	1.46	5.5	9.1	1.561	27	55	58	149	10.5

PARAMETROS ESPECTRAIS E DIRECCIONAIS FLORES OUT 2006

DIA	HORA	NG	HM0 (m)	T02 (s)	TP (s)	SMAX (m2.s)	THTP1 (graus)	SPRTP1 (graus)	THHF1 (graus)	THLF1 (graus)	N
31	00-00	9	1.43	5.4	9.1	1.841	19	55	60	87	5.8
31	03-00	9	1.42	4.8	9.1	1.242	3	64	78	136	3.5
31	06-00	9	1.44	4.7	8.0	1.212	39	44	88	200	10.0
31	09-00	9	1.44	4.8	5.5	1.007	108	42	89	201	0.7
31	12-00	9	1.29	4.8	6.2	1.023	118	45	100	216	1.5
31	15-00	9	1.36	5.2	7.0	1.155	126	54	105	200	0.8
31	18-00	9	1.48	5.4	7.0	2.053	125	42	97	191	2.5
31	21-00	9	1.61	5.5	8.0	2.344	141	38	96	146	2.8

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	1.70	5.8	8.0	3.139	148	34	98	161	5.6
01	03-00	9	1.58	5.9	9.1	2.378	152	41	109	176	2.4
01	06-00	9	1.55	5.9	9.1	2.048	131	37	106	178	4.3
01	09-00	9	1.73	6.5	8.0	2.267	124	39	93	185	2.8
01	12-00	9	1.85	6.8	12.5	2.581	246	22	91	196	19.5
01	15-00	9	1.64	6.7	9.1	2.153	141	37	99	207	4.3
01	18-00	9	1.57	6.5	9.1	1.800	147	42	108	214	2.6
01	21-00	9	1.77	7.3	14.3	4.373	234	17	93	213	19.1
02	00-00	9	1.78	7.1	13.3	2.797	237	24	76	204	17.4
02	03-00	9	1.76	7.5	14.3	2.670	230	21	84	202	22.9
02	06-00	9	1.60	7.3	14.3	2.402	232	21	73	204	28.2
02	12-00	9	1.97	6.7	14.3	5.405	229	31	66	204	24.4
02	15-00	9	2.03	6.9	13.3	7.090	234	33	55	225	29.5
02	18-00	9	1.71	6.2	13.3	3.171	238	30	61	214	30.5
02	21-00	9	1.64	6.3	12.5	3.100	250	36	60	202	10.1
03	00-00	9	1.68	6.4	12.5	3.086	240	50	62	209	12.3
03	03-00	9	1.55	5.9	12.5	2.238	240	54	74	182	10.9
03	06-00	9	1.48	5.6	12.5	1.917	239	60	87	169	13.6
03	09-00	9	1.61	5.7	11.8	1.689	37	80	74	76	11.6
03	15-00	9	1.41	5.7	10.0	1.447	93	65	58	109	6.5
03	18-00	9	1.58	5.8	9.1	2.542	84	37	70	115	5.1
03	21-00	9	1.81	6.0	9.1	2.920	77	34	76	77	5.3
04	00-00	9	1.99	5.6	9.1	2.663	73	36	68	77	5.2
04	03-00	9	2.00	5.7	9.1	3.201	72	28	70	71	8.0
04	06-00	9	1.89	5.6	8.0	2.564	76	26	75	77	6.8
04	09-00	9	1.96	5.7	9.1	3.058	70	28	72	70	10.0
04	12-00	9	2.43	6.0	9.1	4.776	68	25	68	75	12.7
04	15-00	9	2.28	6.0	10.5	4.211	65	31	69	75	14.1
04	18-00	9	2.06	6.1	10.5	3.582	72	30	71	76	14.9
04	21-00	9	2.14	6.4	10.5	3.807	75	22	81	80	20.8
05	00-00	9	2.29	7.0	11.8	4.733	77	14	75	77	53.5
05	03-00	9	2.27	6.6	10.5	4.587	69	21	69	74	17.4
05	06-00	9	2.14	7.0	10.5	5.130	70	17	77	79	23.0
05	09-00	9	2.09	6.7	10.5	3.624	74	21	83	81	12.6
05	12-00	9	2.47	7.0	10.5	7.723	77	18	83	83	22.4
05	15-00	9	2.19	7.4	10.5	6.237	66	16	81	83	25.8
05	18-00	9	2.03	7.7	11.1	6.792	73	18	80	87	36.4
05	21-00	9	1.85	7.1	11.1	3.865	73	18	96	90	12.9
06	00-00	9	2.29	7.8	10.0	5.827	78	20	80	90	14.1
06	03-00	9	2.13	7.5	11.1	4.776	73	17	68	82	23.1
06	06-00	9	2.09	7.8	11.1	5.174	70	18	60	80	32.3
06	09-00	9	1.74	7.9	11.1	4.522	75	22	79	90	28.2
06	12-00	9	1.95	7.5	11.1	3.997	73	48	76	95	15.0
06	15-00	9	1.85	7.7	11.1	5.417	59	45	64	81	24.7
06	18-00	9	1.52	7.6	11.1	3.099	72	44	67	89	26.1

DIA	HORA	NG	HM0 (m)	T02 (s)	TP (s)	SMAX (m2.s)	THTP1 (graus)	SPRTP1 (graus)	THHF1 (graus)	THLF1 (graus)	N
06	21-00	9	1.45	7.6	11.1	3.611	73	35	100	93	32.9
07	00-00	9	1.67	7.6	11.8	4.109	68	18	91	83	39.5
07	03-00	9	1.64	6.5	11.8	3.821	68	18	98	91	33.1
07	06-00	9	1.46	6.2	11.1	2.616	70	28	107	87	22.3
07	09-00	9	1.46	6.5	11.1	3.139	70	28	99	92	11.3
07	12-00	9	1.46	6.8	11.1	4.041	72	19	112	92	29.8
07	15-00	9	1.36	5.8	10.0	2.497	62	42	110	100	11.1
07	18-00	9	1.15	5.4	11.1	1.492	79	46	153	99	7.2
07	21-00	9	1.21	4.5	9.1	1.113	56	78	181	109	8.9
08	00-00	9	1.40	4.6	10.5	1.415	68	34	148	111	10.5
08	03-00	9	1.69	4.9	9.1	1.778	62	48	154	109	4.4
08	06-00	9	1.74	4.8	5.5	1.797	163	44	154	117	1.6
08	09-00	9	1.83	4.9	5.5	2.130	160	35	151	111	2.8
08	12-00	9	1.97	4.9	6.2	3.533	153	33	157	124	2.9
08	15-00	9	1.86	4.9	6.2	2.376	162	42	160	130	2.1
08	18-00	9	2.03	5.0	6.2	3.472	163	37	160	140	2.0
08	21-00	9	1.70	5.1	7.0	2.282	181	54	157	137	0.4
09	00-00	9	1.75	5.1	6.2	2.309	154	47	145	145	0.7
09	03-00	9	1.93	5.5	7.0	3.496	169	54	143	171	0.9
09	09-00	9	2.01	6.0	8.0	3.966	154	53	89	162	0.9
09	12-00	9	1.83	5.2	8.0	2.736	162	49	70	142	0.8
09	15-00	9	1.89	5.1	8.0	3.190	142	41	70	139	2.6
09	18-00	9	1.58	4.9	8.0	1.611	131	50	54	147	1.3
09	21-00	9	1.98	5.3	9.1	3.681	137	31	51	139	6.4
10	00-00	9	1.78	5.0	8.0	2.432	104	47	53	139	0.3
10	03-00	9	2.06	5.5	8.0	2.949	97	48	58	127	0.0
10	06-00	9	2.30	5.6	9.1	4.165	132	43	50	116	1.7
10	09-00	9	2.20	5.4	9.1	4.677	119	51	52	121	0.9
10	12-00	9	2.32	5.8	9.1	5.949	140	39	70	150	3.4
10	15-00	9	2.07	5.7	9.1	3.998	123	54	84	122	1.3
10	18-00	9	2.06	5.8	9.1	3.568	133	43	84	117	2.1
10	21-00	9	1.93	5.9	9.1	4.208	130	44	85	109	1.7
11	03-00	9	2.06	5.4	8.0	3.826	146	38	113	113	3.3
11	06-00	9	2.20	5.3	8.0	3.468	129	40	114	117	1.6
11	09-00	9	2.35	5.5	9.1	3.555	127	43	108	103	1.5
11	12-00	9	2.18	5.6	8.0	3.504	138	45	120	125	1.6
11	15-00	9	2.29	5.7	9.1	4.995	131	45	118	140	1.8
11	18-00	9	2.66	6.0	9.1	8.492	120	38	107	118	1.7
11	21-00	9	2.61	5.9	9.1	6.030	129	46	105	140	2.1
12	00-00	9	2.69	6.0	9.1	7.064	137	47	101	142	2.5
12	03-00	9	2.76	6.2	10.0	5.899	154	30	106	152	9.3
12	06-00	9	2.78	6.2	10.0	6.464	147	24	96	141	9.9
12	09-00	9	2.73	6.2	10.5	5.726	150	20	94	154	17.4
12	12-00	9	2.97	6.5	10.5	9.424	154	20	99	155	14.5
12	15-00	9	2.70	6.1	10.0	5.775	141	24	98	155	10.4

DIA	HORA	NG	HM0 (m)	T02 (s)	TP (s)	SMAX (m2.s)	THTP1 (graus)	SPRTP1 (graus)	THHF1 (graus)	THLF1 (graus)	N
12	18-00	9	2.70	6.1	10.0	6.772	144	20	99	160	14.2
12	21-00	9	2.33	5.8	9.1	4.342	137	24	99	162	9.2
13	00-00	9	2.32	5.8	9.1	4.208	139	29	105	163	5.0
13	03-00	9	2.15	5.7	9.1	3.138	141	25	111	164	7.2
13	06-00	9	2.12	5.8	9.1	4.657	134	20	103	152	13.0
13	09-00	9	2.08	5.7	9.1	4.314	139	25	91	166	8.4
13	12-00	9	2.04	5.5	9.1	3.764	127	30	97	153	3.6
13	15-00	9	1.85	5.5	9.1	2.343	128	30	108	168	4.3
13	18-00	9	1.50	5.3	9.1	1.420	122	30	100	156	6.0
13	21-00	9	1.50	5.2	8.0	1.880	118	30	81	151	4.2
14	00-00	9	1.34	5.0	8.0	1.127	121	37	85	176	2.4
14	03-00	9	1.31	5.3	8.0	1.376	123	38	104	174	1.9
14	06-00	9	1.12	5.2	8.0	0.706	125	37	101	174	2.1
14	09-00	9	1.21	5.4	8.0	1.065	114	31	76	181	3.7
14	12-00	9	1.13	4.9	8.0	0.730	122	37	65	185	2.6
14	15-00	9	1.09	5.1	8.0	0.978	116	31	66	197	3.5
14	18-00	9	1.01	4.9	8.0	0.626	107	29	61	195	4.6
14	21-00	9	0.95	5.2	8.0	0.606	113	35	62	189	3.3
15	00-00	9	1.29	4.8	7.0	0.903	53	38	47	186	1.4
15	06-00	9	1.16	5.1	8.0	0.720	57	45	52	252	3.0
15	09-00	9	1.20	5.2	14.3	0.645	211	52	46	144	3.6
15	12-00	9	1.23	5.2	14.3	1.083	231	36	38	273	15.2
15	15-00	9	1.23	5.1	14.3	0.958	229	54	5	293	8.7
15	18-00	9	1.43	5.6	15.4	2.160	230	30	31	172	19.0
15	21-00	9	1.37	5.3	15.4	1.065	224	51	43	91	10.5
16	00-00	9	1.44	5.9	14.3	2.106	224	36	38	217	14.2
16	03-00	9	1.39	6.0	15.4	2.693	224	40	16	77	6.6
16	06-00	9	1.49	5.8	15.4	1.636	215	49	23	103	5.3
16	09-00	9	1.56	6.1	15.4	2.342	209	47	44	95	4.0
16	12-00	9	1.45	6.1	15.4	2.469	227	37	42	76	4.8
16	15-00	9	1.25	5.4	15.4	2.087	208	49	354	119	4.6
16	18-00	9	1.23	5.2	15.4	2.261	214	49	310	90	3.8
16	21-00	9	1.21	5.3	15.4	1.198	201	46	320	95	2.2
17	00-00	9	1.28	5.2	15.4	1.909	115	54	288	57	2.6
17	03-00	9	1.24	5.0	15.4	0.947	105	64	284	71	2.3
17	06-00	9	1.36	5.1	15.4	1.147	98	51	289	68	4.4
17	09-00	9	1.35	5.0	15.4	1.705	106	55	311	66	2.3
17	12-00	9	1.27	4.7	14.3	1.686	99	54	281	64	3.3
17	15-00	9	1.33	4.7	14.3	1.925	86	47	266	59	4.6
17	18-00	9	1.54	4.7	4.9	1.067	257	23	262	27	10.2
17	21-00	9	1.79	4.6	6.2	1.809	257	27	253	43	10.7
18	00-00	9	2.08	5.0	7.0	2.854	260	21	250	203	10.7
18	03-00	9	1.56	5.0	8.0	1.341	252	27	248	203	9.3
18	06-00	9	1.45	5.8	8.0	1.397	256	31	253	198	5.8
18	09-00	9	1.61	5.4	18.2	1.643	74	30	358	92	7.0

DIA	HORA	NG	HM0 (m)	T02 (s)	TP (s)	SMAX (m2.s)	THTP1 (graus)	SPRTP1 (graus)	THHF1 (graus)	THLF1 (graus)	N
18	12-00	9	1.53	5.1	16.7	1.084	79	40	21	61	4.7
18	15-00	9	1.59	5.2	16.7	2.009	84	35	10	38	6.2
18	18-00	9	1.59	5.1	16.7	1.050	88	47	35	44	4.2
18	21-00	9	1.64	5.5	14.3	1.378	87	42	57	72	9.5
19	00-00	9	1.95	6.1	8.0	2.074	53	33	61	72	10.1
19	03-00	9	1.88	6.0	8.0	2.458	46	24	59	72	12.1
19	06-00	9	1.75	5.6	8.0	1.787	48	26	67	79	10.5
19	09-00	9	1.75	6.0	16.7	2.567	117	44	65	76	0.4
19	12-00	9	1.70	6.1	8.0	2.097	52	29	65	81	8.6
19	15-00	9	1.48	6.4	15.4	1.854	127	51	69	80	0.3
19	18-00	9	1.25	5.9	10.5	0.945	57	27	76	80	13.8
19	21-00	9	1.39	6.0	15.4	1.023	136	55	84	87	0.9
20	00-00	9	1.42	6.1	15.4	1.470	156	45	78	85	1.5
20	03-00	9	1.25	6.2	15.4	1.439	141	45	82	89	1.3
20	06-00	9	1.01	5.9	15.4	0.716	151	45	67	95	1.8
20	09-00	8	0.97	6.1	15.4	1.139	147	34	102	98	2.9
20	12-00	9	0.91	6.1	14.3	0.781	151	47	99	108	1.5
20	15-00	9	0.92	6.6	15.4	1.152	162	32	82	114	5.4
20	18-00	9	0.86	6.1	14.3	0.876	161	29	86	112	6.8
20	21-00	9	0.81	6.1	15.4	0.670	160	38	106	119	3.9
21	00-00	9	0.76	6.1	14.3	0.636	146	42	103	121	1.8
21	03-00	9	0.79	7.1	14.3	1.077	154	35	98	123	3.0
21	06-00	9	0.73	5.5	14.3	0.731	157	34	122	128	5.1
21	09-00	9	0.72	5.9	16.7	0.783	158	23	127	137	13.0
21	12-00	9	0.76	5.9	14.3	1.051	166	25	135	153	12.4
21	15-00	9	0.72	5.6	16.7	0.839	159	28	153	148	9.5
21	18-00	9	0.74	4.7	16.7	0.680	158	29	171	177	7.9
21	21-00	9	0.76	4.5	14.3	0.760	169	33	177	167	5.5
22	00-00	9	0.89	4.1	15.4	0.761	154	40	188	161	2.8
22	03-00	9	1.26	4.0	14.3	0.817	161	44	206	162	2.1
22	06-00	9	1.51	4.5	4.9	1.195	236	24	223	161	6.8
22	09-00	9	1.71	4.7	5.5	1.610	237	31	231	164	3.3
22	12-00	9	2.00	4.9	6.2	2.809	236	27	230	163	4.1
22	15-00	9	2.31	5.1	7.0	4.118	248	28	236	179	7.5
22	18-00	9	2.57	6.2	8.0	8.426	251	27	241	189	12.2
22	21-00	9	1.95	6.0	7.0	3.317	248	33	243	191	3.5
23	03-00	9	1.50	5.5	7.0	1.831	240	33	240	191	2.8
23	06-00	9	1.54	5.5	14.3	1.605	152	40	247	190	2.4
23	09-00	9	1.62	5.1	14.3	1.783	168	50	254	213	1.1
23	12-00	9	1.43	4.5	14.3	0.823	157	57	251	203	1.1
23	18-00	9	2.00	5.5	7.0	2.216	249	21	252	231	15.2
23	21-00	9	2.57	6.0	9.1	4.188	261	23	262	243	11.8
24	00-00	9	2.53	5.9	11.1	3.050	251	32	267	245	9.3
24	03-00	9	2.82	6.7	14.3	10.788	233	26	275	245	15.2
24	06-00	9	3.40	8.9	15.4	30.092	234	18	267	246	32.0

DIA	HORA	NG	HM0 (m)	T02 (s)	TP (s)	SMAX (m2.s)	THTP1 (graus)	SPRTP1 (graus)	THHF1 (graus)	THLF1 (graus)	N
24	09-00	9	4.03	9.6	15.4	41.202	227	19	273	242	36.1
24	12-00	9	3.56	8.6	16.7	28.344	224	20	278	243	21.3
24	15-00	9	3.67	9.0	16.7	31.832	225	23	276	245	13.9
24	18-00	9	3.35	8.5	16.7	30.121	223	19	276	243	20.0
24	21-00	9	3.33	8.7	16.7	31.432	227	19	281	247	32.7
25	00-00	9	2.98	8.5	16.7	19.715	229	20	306	252	23.2
25	03-00	9	2.91	8.8	16.7	19.581	226	24	333	261	14.4
25	06-00	9	2.66	8.3	16.7	15.937	226	21	279	251	32.1
25	09-00	9	2.20	7.2	16.7	8.064	229	25	265	252	15.5
25	12-00	9	2.08	6.1	15.4	8.870	233	31	261	262	16.9
25	15-00	9	2.28	5.2	15.4	5.240	214	47	235	243	9.0
25	18-00	9	2.93	5.8	7.0	7.728	242	25	227	233	5.1
25	21-00	9	4.04	6.7	9.1	20.358	241	19	224	232	12.6
26	03-00	9	3.88	7.4	11.8	16.481	242	16	252	235	22.5
26	06-00	9	3.89	7.7	10.5	16.840	239	23	253	238	7.6
26	09-00	9	4.05	8.3	11.1	23.802	250	22	252	240	13.0
26	12-00	9	2.92	7.3	11.1	9.288	256	19	251	242	18.1
26	15-00	9	3.16	7.7	14.3	11.034	233	24	245	239	12.2
26	18-00	9	2.92	7.5	15.4	12.436	228	28	251	242	29.5
26	21-00	9	2.55	7.1	15.4	7.216	228	29	252	240	9.0
27	00-00	9	2.39	7.0	15.4	7.748	226	35	254	239	8.3
27	03-00	9	2.33	7.3	15.4	11.273	230	29	265	242	19.3
27	06-00	9	2.58	7.9	15.4	15.391	229	20	257	244	31.1
27	09-00	9	2.70	8.5	16.7	16.947	226	22	264	241	16.4
27	12-00	9	2.09	7.3	16.7	8.195	225	22	266	245	29.4
27	15-00	9	1.91	6.8	15.4	6.727	232	28	277	250	20.6
27	18-00	9	1.88	6.7	15.4	7.875	229	19	297	252	33.0
27	21-00	9	1.67	6.4	14.3	3.318	232	31	10	256	10.6
28	00-00	9	1.56	6.7	14.3	4.378	224	27	303	250	16.3
28	03-00	9	1.51	6.7	14.3	3.360	228	26	284	247	20.5
28	06-00	9	1.45	6.3	14.3	2.649	233	32	258	244	12.7
28	09-00	9	1.23	6.1	14.3	1.431	232	37	242	251	6.9
28	12-00	9	1.27	5.1	14.3	1.693	232	38	221	244	5.1
28	15-00	9	1.25	4.4	14.3	0.677	245	47	179	260	4.0
28	18-00	9	1.42	4.3	14.3	0.946	226	45	170	222	3.4
28	21-00	9	1.59	4.5	4.9	1.674	168	35	155	253	2.6
29	00-00	9	2.99	5.5	7.0	9.036	161	27	157	175	4.9
29	03-00	9	4.43	6.6	9.1	23.260	167	23	174	178	8.4
29	11-10	9	4.75	7.8	10.5	43.302	181	29	214	180	3.3
29	12-00	9	4.10	7.8	10.5	27.490	177	32	214	178	2.7
29	15-00	9	4.11	8.6	11.1	35.906	183	24	249	174	7.2
29	18-00	9	3.90	9.0	11.1	29.110	176	28	253	180	5.8
29	21-00	9	3.28	8.3	10.5	18.875	183	32	249	183	2.8
30	00-00	9	3.38	8.0	10.5	20.704	189	27	255	188	5.9
30	03-00	9	3.16	7.3	10.5	14.955	197	32	254	191	4.8

PARAMETROS ESPECTRAIS E DIRECCIONAIS FLORES NOV 2006

DIA	HORA	NG	HM0 (m)	T02 (s)	TP (s)	SMAX (m2.s)	THTP1 (graus)	SPRTP1 (graus)	THHF1 (graus)	THLF1 (graus)	N
30	06-00	9	2.65	6.5	10.5	10.850	190	38	257	192	1.4
30	09-00	9	2.52	6.5	10.5	11.395	188	38	254	191	2.8
30	12-00	9	2.50	6.5	10.5	7.714	197	44	246	220	1.3
30	15-00	9	2.56	6.7	10.0	7.129	217	36	258	230	1.8
30	18-00	9	2.69	6.7	10.0	6.218	220	37	262	237	2.3
30	21-00	9	2.33	6.2	9.1	4.090	224	42	246	241	1.0

PARAMETROS ESPECTRAIS E DIRECCIONAIS FLORES DEZ 2006

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	2.21	6.6	14.3	6.299	237	23	256	243	21.5
01	03-00	9	2.84	7.6	14.3	14.334	229	17	263	240	28.6
01	06-00	9	2.61	8.0	15.4	17.945	225	16	269	236	19.7
01	09-00	9	2.39	7.7	15.4	13.128	227	19	263	242	33.8
01	12-00	9	3.01	9.2	14.3	27.803	231	12	251	241	64.2
01	15-00	9	2.61	8.0	14.3	12.027	234	22	258	244	14.2
01	18-00	9	1.90	6.7	14.3	5.119	230	30	257	247	6.5
01	21-00	9	1.66	5.4	14.3	3.550	227	28	252	243	6.9
02	00-00	9	1.59	5.1	14.3	2.560	233	31	248	245	8.2
02	03-00	9	1.40	5.1	14.3	1.242	231	40	251	240	6.6
02	09-00	9	1.44	5.2	14.3	2.177	234	32	250	243	15.7
02	12-00	9	1.52	5.0	15.4	2.141	224	43	246	241	14.4
02	15-00	9	1.76	5.2	15.4	1.864	225	35	243	242	13.1
02	18-00	9	1.91	5.4	5.5	2.006	256	24	249	248	5.7
02	21-00	9	1.85	4.9	6.2	1.608	254	22	251	246	10.3
04	15-00	9	2.61	6.4	8.0	4.398	236	25	237	239	4.7
04	21-00	9	2.33	6.4	7.0	3.136	248	30	252	249	4.4
05	00-00	9	2.15	6.2	14.3	3.966	236	31	246	246	7.7
05	03-00	9	2.18	7.3	14.3	6.681	237	23	243	248	12.1
05	06-00	9	2.30	7.4	14.3	8.286	235	19	242	245	19.5
05	09-00	9	2.27	7.4	13.3	7.909	243	20	249	242	14.6
05	12-00	9	2.21	7.1	12.5	6.836	246	20	249	242	20.9
05	15-00	9	1.95	6.0	13.3	4.886	235	31	235	239	14.2
05	18-00	9	2.32	6.0	13.3	4.965	243	27	232	245	19.4
05	21-00	9	2.19	5.5	12.5	2.948	249	30	231	244	9.8
06	00-00	9	2.20	5.0	6.2	2.589	233	35	220	237	1.9
06	06-00	8	2.18	5.3	7.0	2.760	233	30	217	234	3.2
06	09-00	9	2.22	5.1	6.2	2.989	227	31	220	233	3.1
06	12-00	9	2.27	5.0	6.2	2.675	221	36	222	229	2.2
06	15-00	9	2.70	5.5	8.0	4.868	233	25	217	236	5.1
06	18-00	9	2.78	6.0	8.0	6.580	240	23	229	242	8.6
06	21-00	9	2.87	6.0	7.0	5.114	232	27	236	250	3.8
07	00-00	9	2.91	6.3	16.7	6.779	218	26	230	238	14.5
07	06-00	9	2.87	6.0	8.0	6.025	229	24	238	236	5.5
07	09-00	9	2.35	6.3	8.0	3.988	238	28	251	238	3.4
07	12-00	9	2.02	6.3	8.0	3.564	242	24	248	239	7.0
07	15-00	8	1.98	6.3	10.0	2.751	252	28	275	238	9.3
07	18-00	9	2.37	7.5	13.3	6.305	238	18	273	243	27.7
07	21-00	9	2.26	7.6	13.3	8.244	235	19	294	242	24.9
08	00-00	9	1.80	6.7	12.5	3.379	248	29	323	238	18.9
08	03-00	9	1.69	6.7	12.5	3.075	248	28	31	241	21.6
08	06-00	9	1.55	6.6	11.1	2.663	259	35	40	239	21.4
08	09-00	9	1.39	7.1	11.8	3.406	247	20	94	237	37.0
08	12-00	9	1.20	6.4	11.1	1.552	254	39	172	233	23.0
08	18-00	9	1.36	6.5	11.1	2.157	254	30	2	226	14.9

PARAMETROS ESPECTRAIS E DIRECCIONAIS FLORES DEZ 2006

DIA	HORA	NG	HM0 (m)	T02 (s)	TP (s)	SMAX (m2.s)	THTP1 (graus)	SPRTP1 (graus)	THHF1 (graus)	THLF1 (graus)	N
08	21-00	9	1.27	6.5	11.8	1.421	256	44	26	280	13.9
09	00-00	9	1.20	6.1	10.5	1.466	274	60	110	345	5.7
09	03-00	9	1.23	5.0	11.1	1.080	304	77	101	50	9.5
09	06-00	9	1.36	5.1	10.0	1.203	21	68	128	57	3.5
09	09-00	9	1.12	4.5	11.1	0.621	54	78	135	69	9.2
09	12-00	9	1.54	4.3	4.5	1.359	190	28	182	117	5.9
09	15-00	9	1.88	4.5	5.5	2.927	186	31	185	123	3.7
09	18-00	9	1.76	4.6	6.2	2.410	189	36	196	123	2.0
09	21-00	9	1.76	4.8	6.2	2.228	202	34	208	145	2.1
10	00-00	9	1.96	4.8	6.2	3.635	204	29	207	128	3.4
10	03-00	9	2.15	4.9	6.2	4.388	204	30	198	144	3.2
10	06-00	9	2.29	5.0	7.0	4.448	208	31	201	153	2.9
10	09-00	9	2.27	5.1	6.2	4.394	198	30	209	174	3.5
10	12-00	9	2.31	5.2	7.0	5.332	212	31	210	185	2.6
10	15-00	9	2.52	5.4	7.0	5.288	221	30	222	220	2.9
10	18-00	9	2.59	5.5	7.0	6.402	225	29	223	223	3.0
10	21-00	9	2.52	5.4	7.0	5.072	232	26	227	238	4.8
11	00-00	9	2.33	5.4	7.0	3.154	228	41	225	237	0.8
11	03-00	9	1.97	5.8	8.0	3.330	243	27	187	233	4.9
11	06-00	9	1.68	5.8	7.0	2.038	221	31	181	228	2.9
11	09-00	9	1.57	6.0	7.0	1.479	226	33	181	232	2.5
11	12-00	9	1.54	6.4	10.0	2.104	251	25	185	235	10.6
11	15-00	9	1.46	6.1	14.3	1.424	237	28	171	241	25.8
11	18-00	9	1.74	7.4	14.3	6.016	226	17	175	239	39.5
11	21-00	9	1.58	7.1	15.4	3.121	227	24	164	234	15.4
12	00-00	9	1.67	6.3	13.3	3.717	235	25	207	237	13.8
12	03-00	9	1.76	5.3	12.5	2.718	250	29	214	237	7.1
12	06-00	9	1.88	5.2	13.3	3.721	235	27	205	231	6.6
12	09-00	9	1.98	5.0	14.3	2.221	226	33	202	231	5.2
12	12-00	9	2.21	5.2	6.2	3.036	202	35	201	229	1.8
12	15-00	9	2.92	5.7	7.0	9.698	200	26	197	229	4.5
12	18-00	9	3.49	6.1	8.0	12.148	193	24	192	222	6.5
13	00-00	9	3.78	6.4	8.0	16.482	203	31	196	223	2.3
13	03-00	9	4.55	6.9	9.1	28.387	212	26	197	217	5.2
13	06-00	9	4.43	6.9	9.1	29.858	199	25	192	205	5.2
13	09-00	9	4.31	6.8	10.0	30.719	209	27	195	211	4.1
13	12-00	9	4.08	7.2	10.0	24.140	209	30	190	207	3.0
13	15-00	9	3.70	7.3	10.0	19.879	204	26	189	208	4.7
13	18-00	9	3.63	7.5	10.0	21.197	199	30	222	214	4.0
13	21-00	9	2.91	7.4	10.0	14.928	207	26	221	215	6.4
14	00-00	9	2.57	7.3	10.0	9.699	207	26	231	213	5.5
14	03-00	9	2.30	7.0	9.1	6.290	208	34	231	213	1.9
14	06-00	9	2.01	6.9	9.1	5.497	205	39	242	214	1.5
14	09-00	9	1.96	6.9	9.1	4.107	209	41	8	227	1.3
14	12-00	9	1.77	6.1	10.5	2.937	245	37	32	230	6.3

DIA	HORA	NG	HM0 (m)	T02 (s)	TP (s)	SMAX (m2.s)	THTP1 (graus)	SPRTP1 (graus)	THHF1 (graus)	THLF1 (graus)	N
14	18-00	9	1.83	6.7	10.0	2.420	249	41	59	242	4.8
14	21-00	9	1.93	6.6	14.3	3.894	238	24	57	241	10.0
15	00-00	9	2.03	6.0	14.3	3.269	236	29	49	246	20.7
15	03-00	9	1.96	6.2	12.5	2.323	245	34	57	213	7.5
15	06-00	9	1.80	6.2	14.3	2.006	231	30	66	229	13.7
15	09-00	9	1.88	5.8	7.0	1.848	64	38	63	210	2.7
15	12-00	9	1.78	5.6	13.3	2.510	235	34	70	218	15.7
15	15-00	9	1.62	5.2	14.3	1.334	235	34	58	229	6.8
15	18-00	9	1.71	4.9	6.2	1.577	67	33	67	222	3.5
15	21-00	9	1.99	5.2	6.2	3.392	69	27	65	208	5.7
16	03-00	9	2.33	5.4	7.0	4.958	74	26	68	180	4.9
16	06-00	9	2.59	5.6	7.0	6.443	75	27	69	109	4.3
16	09-00	9	2.89	5.9	8.0	7.987	90	25	64	105	4.9
16	12-00	9	3.37	6.2	8.0	12.837	74	23	62	94	7.0
16	15-00	9	3.32	6.3	9.1	11.379	90	23	61	98	7.6
16	18-00	9	3.71	6.5	8.0	12.213	74	21	63	84	8.0
16	21-00	9	3.62	6.5	10.0	14.902	94	26	71	94	5.9
17	00-00	9	4.05	7.1	10.0	27.379	114	28	69	106	3.4
17	06-00	9	3.55	6.6	9.1	16.366	98	27	77	107	3.9
17	09-00	9	3.86	6.6	9.1	15.674	103	37	79	103	1.2
17	12-00	9	3.93	6.7	9.1	23.043	104	32	80	107	2.4
17	15-00	9	3.07	6.1	10.0	9.346	142	28	92	123	6.0
17	21-00	9	3.02	6.5	9.1	9.975	126	40	110	134	1.2
18	00-00	9	2.86	6.6	9.1	8.116	108	36	97	120	1.8
18	03-00	9	2.86	6.3	10.5	8.144	139	30	102	127	7.8
18	06-00	9	2.74	6.2	10.0	7.279	146	29	109	137	4.7
18	09-00	9	3.20	6.3	10.0	11.256	154	31	107	138	4.9
18	12-00	9	2.91	6.2	10.0	9.691	155	32	108	143	4.6
18	15-00	9	3.14	6.5	10.0	12.491	154	26	103	156	5.9
18	18-00	9	2.75	6.7	10.0	9.755	160	32	109	162	5.9
18	21-00	9	3.00	7.2	10.0	18.239	162	22	115	178	11.7
19	00-00	9	2.98	7.2	10.0	9.947	137	29	113	168	6.8
19	03-00	9	2.73	6.9	10.0	10.789	149	33	162	177	3.8
19	06-00	9	2.45	6.8	10.0	7.986	144	35	190	183	3.7
19	09-00	9	2.31	6.6	9.1	6.989	138	35	195	190	3.4
19	12-00	9	2.15	6.3	9.1	6.679	138	32	191	191	5.4
19	15-00	9	2.27	6.4	9.1	7.342	142	37	224	188	3.5
19	18-00	9	2.13	6.4	8.0	4.123	162	51	241	214	0.8
19	21-00	9	2.00	6.4	9.1	2.985	218	60	239	226	1.9
20	00-00	9	1.95	6.2	8.0	2.957	194	59	232	220	0.5
20	03-00	9	1.73	6.2	9.1	2.883	203	63	225	215	1.3
20	06-00	9	1.52	5.5	9.1	2.048	178	60	222	215	1.2
20	09-00	9	1.59	5.6	8.0	2.091	146	65	223	207	2.7
20	12-00	9	1.42	5.3	8.0	1.444	148	64	216	205	0.7
20	15-00	9	1.41	5.3	8.0	1.917	143	55	221	207	1.5

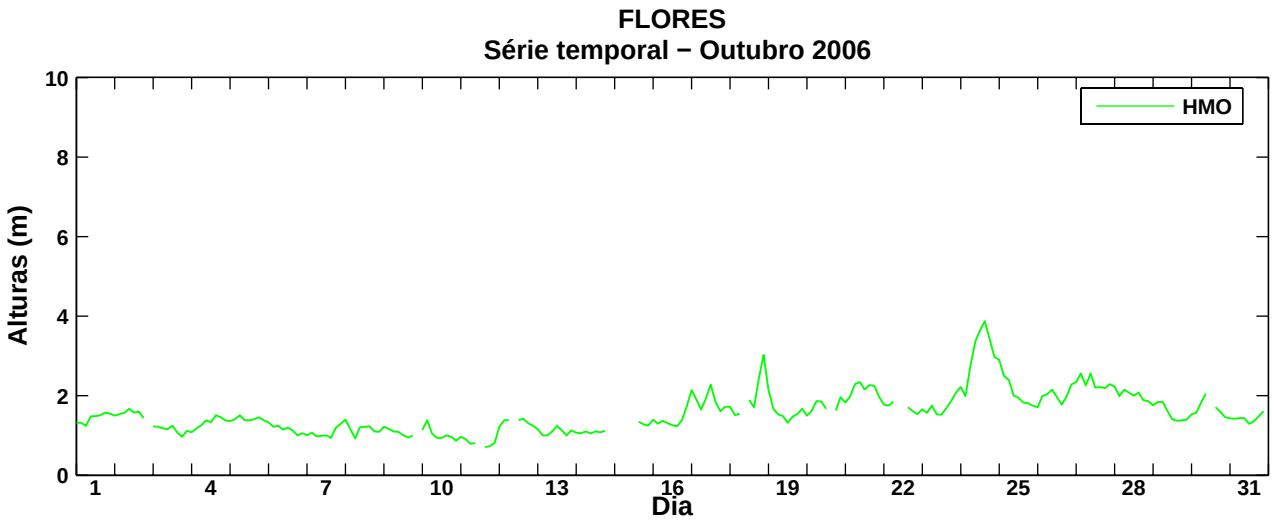
DIA	HORA	NG	HM0 (m)	T02 (s)	TP (s)	SMAX (m2.s)	THTP1 (graus)	SPRTP1 (graus)	THHF1 (graus)	THLF1 (graus)	N
20	21-00	9	1.56	5.9	8.0	2.256	180	59	229	224	0.9
21	00-00	9	1.57	5.4	10.0	1.907	260	28	221	232	11.5
21	03-00	9	1.58	5.5	10.0	1.956	257	26	211	230	15.5
21	06-00	9	1.42	5.1	10.0	1.825	256	24	193	231	17.9
21	09-00	9	1.82	5.2	10.5	2.576	257	22	180	232	15.2
21	12-00	9	1.72	5.1	10.5	2.158	249	26	181	230	10.4
21	15-00	9	1.74	5.0	10.0	2.285	249	28	183	225	6.1
21	18-00	9	1.83	5.3	10.5	2.200	251	23	193	224	12.5
21	21-00	9	1.80	5.2	10.0	2.162	254	22	200	231	12.9
22	00-00	9	1.80	5.1	8.0	1.528	256	40	197	229	12.1
22	03-00	9	1.86	5.3	10.5	2.319	250	23	192	236	10.1
22	06-00	9	2.13	5.9	11.1	4.290	254	16	197	246	24.6
22	09-00	9	2.35	6.4	10.5	4.916	260	18	193	245	18.9
22	12-00	9	2.63	7.3	12.5	7.946	245	20	190	243	20.9
22	15-00	9	3.28	8.7	13.3	20.252	233	15	151	239	32.1
22	18-00	9	2.44	7.9	12.5	6.281	238	20	205	237	11.8
22	21-00	9	2.83	8.0	13.3	7.573	243	18	211	239	17.2
23	00-00	9	2.78	7.6	11.8	11.279	247	15	203	238	19.3
23	06-00	9	1.93	6.2	11.1	2.945	239	28	222	217	6.7
23	09-00	9	2.04	5.8	8.0	4.494	122	48	227	228	2.0
23	12-00	9	2.17	5.6	8.0	3.702	172	56	229	227	0.5
23	15-00	9	2.03	5.3	7.0	2.604	204	65	220	236	1.2
23	18-00	9	2.23	5.8	7.0	3.049	221	50	229	237	1.6
23	21-00	9	2.25	6.4	8.0	3.713	225	52	245	245	1.2
24	18-00	9	2.58	8.2	14.3	11.691	234	15	252	240	45.1
25	00-00	9	2.36	8.4	14.3	11.197	238	15	260	247	29.1
25	03-00	9	2.00	7.5	13.3	5.569	240	17	257	241	19.1
25	06-00	9	1.97	7.6	13.3	5.393	243	23	259	242	10.1
25	09-00	9	1.85	7.8	13.3	6.051	239	16	254	240	29.7
25	12-00	9	1.67	7.0	12.5	4.090	242	24	247	235	16.2
25	15-00	9	1.49	7.4	12.5	3.861	247	21	230	231	20.6
25	18-00	9	1.37	6.0	12.5	2.627	248	20	233	238	18.2
26	12-00	9	3.87	6.6	9.1	20.476	213	26	197	213	5.7
26	15-00	9	3.53	6.9	10.0	14.654	237	24	200	227	6.2
26	18-00	9	3.41	7.5	9.1	14.814	217	31	209	226	2.4
27	00-00	9	3.23	7.3	10.0	9.542	236	30	256	236	3.3
27	03-00	9	3.50	7.5	10.0	17.143	222	31	250	234	2.3
27	06-00	9	3.27	7.4	10.0	15.101	222	30	247	230	2.7
27	09-00	9	3.09	7.6	11.8	12.657	243	19	260	233	17.5
27	12-00	9	2.83	7.9	12.5	8.579	242	21	249	237	13.2
27	15-00	9	3.02	7.9	13.3	12.970	234	17	237	236	17.9
27	18-00	9	2.64	7.2	12.5	8.394	245	19	243	238	14.8
27	21-00	9	2.80	7.3	12.5	10.822	250	21	244	240	15.7
28	00-00	9	2.59	6.5	12.5	6.152	249	24	243	245	9.8
28	03-00	9	2.98	6.1	12.5	5.633	249	25	237	245	7.7

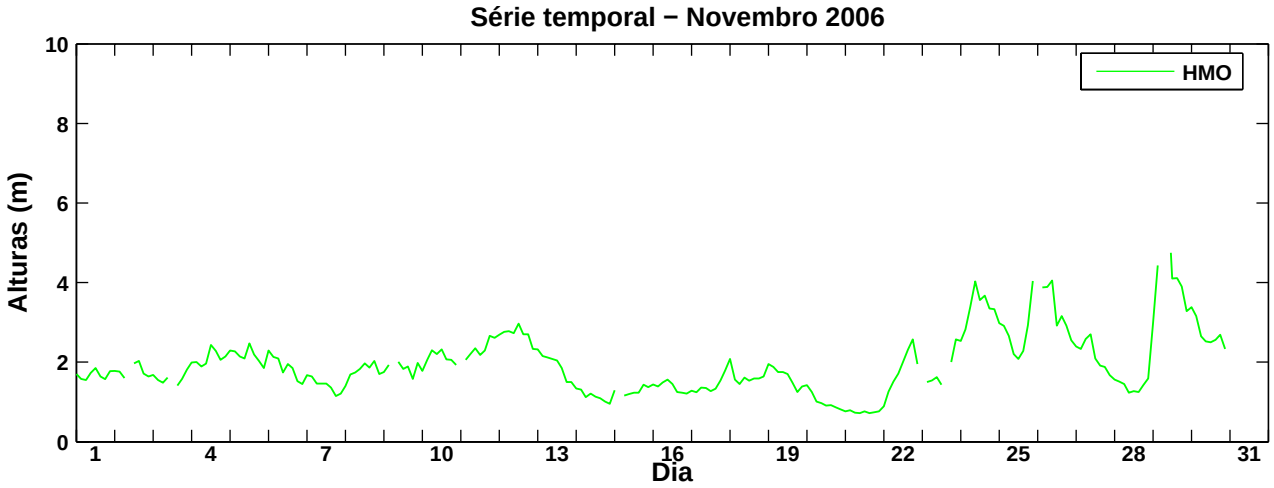
PARAMETROS ESPECTRAIS E DIRECCIONAIS FLORES DEZ 2006

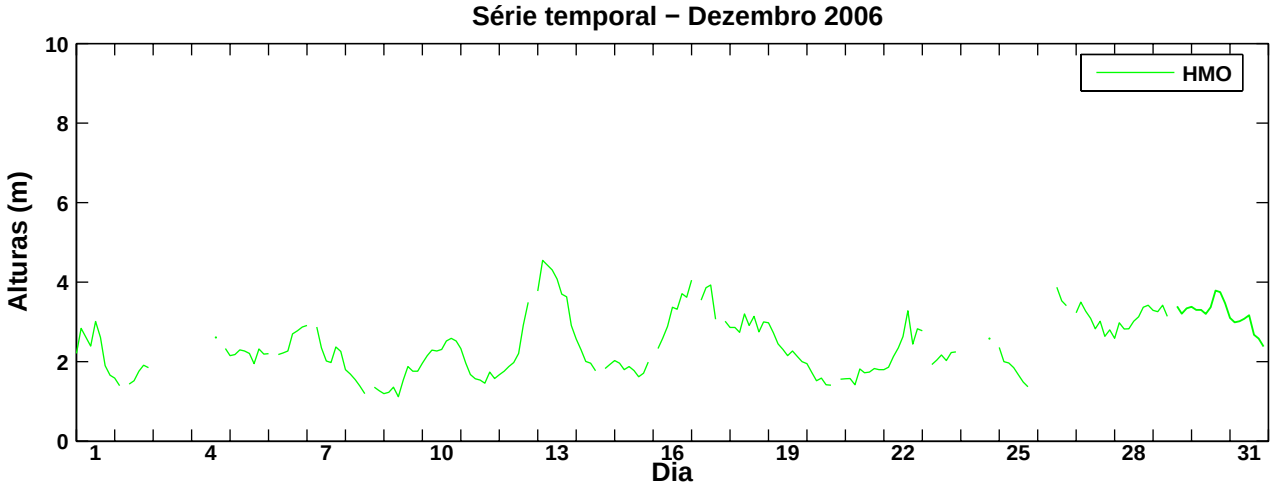
DIA	HORA	NG	HM0 (m)	T02 (s)	TP (s)	SMAX (m2.s)	THTP1 (graus)	SPRTP1 (graus)	THHF1 (graus)	THLF1 (graus)	N
28	06-00	9	2.82	6.0	11.8	4.762	252	29	240	241	7.6
28	09-00	9	2.83	6.1	9.1	5.361	247	22	234	236	10.3
28	12-00	9	3.02	6.2	11.1	6.617	246	21	233	239	16.1
28	15-00	9	3.13	6.5	8.0	7.588	240	26	235	247	5.9
28	18-00	9	3.37	6.5	8.0	10.491	243	23	243	248	7.0
28	21-00	9	3.42	6.6	11.8	8.462	248	21	232	241	17.9
29	00-00	9	3.29	6.6	11.8	10.298	248	21	230	239	22.8
29	03-00	9	3.26	6.6	12.5	8.751	244	22	231	241	16.2
29	06-00	9	3.42	6.9	13.3	8.702	239	21	227	239	16.8
29	09-00	9	3.14	7.1	12.5	7.067	239	22	223	237	9.6
29	15-00	9	3.39	7.2	12.5	10.884	248	21	247	247	16.4
29	18-00	9	3.21	6.8	13.3	8.159	243	21	251	246	12.7
29	21-00	9	3.34	7.1	11.8	10.078	248	19	251	243	17.3
30	00-00	9	3.38	7.3	12.5	12.398	246	18	247	240	15.1
30	03-00	9	3.30	7.5	14.3	17.131	235	19	247	243	12.3
30	06-00	9	3.30	7.7	14.3	20.350	234	18	239	241	27.7
30	09-00	9	3.20	7.3	13.3	20.104	236	17	230	240	26.9
30	12-00	9	3.37	7.2	13.3	22.204	233	19	215	241	34.3
30	15-00	9	3.79	7.1	13.3	21.397	238	21	209	238	14.2
30	18-00	9	3.75	7.1	14.3	15.984	232	18	221	238	23.4
30	21-00	9	3.47	7.0	13.3	13.432	230	20	234	239	16.6
31	00-00	9	3.10	7.5	13.3	14.928	234	19	234	239	23.4
31	03-00	9	2.99	7.3	13.3	11.368	237	18	240	243	15.9
31	06-00	9	3.02	7.4	13.3	13.342	242	19	239	243	14.9
31	09-00	9	3.08	7.4	13.3	15.319	238	19	240	241	22.1
31	12-00	9	3.17	8.0	13.3	18.359	238	19	228	240	20.5
31	15-00	9	2.68	7.2	13.3	13.478	243	19	241	242	16.2
31	18-00	9	2.58	7.5	13.3	11.592	236	17	243	244	15.9
31	21-00	9	2.38	7.8	13.3	9.557	238	20	231	241	12.3

ANEXO E

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

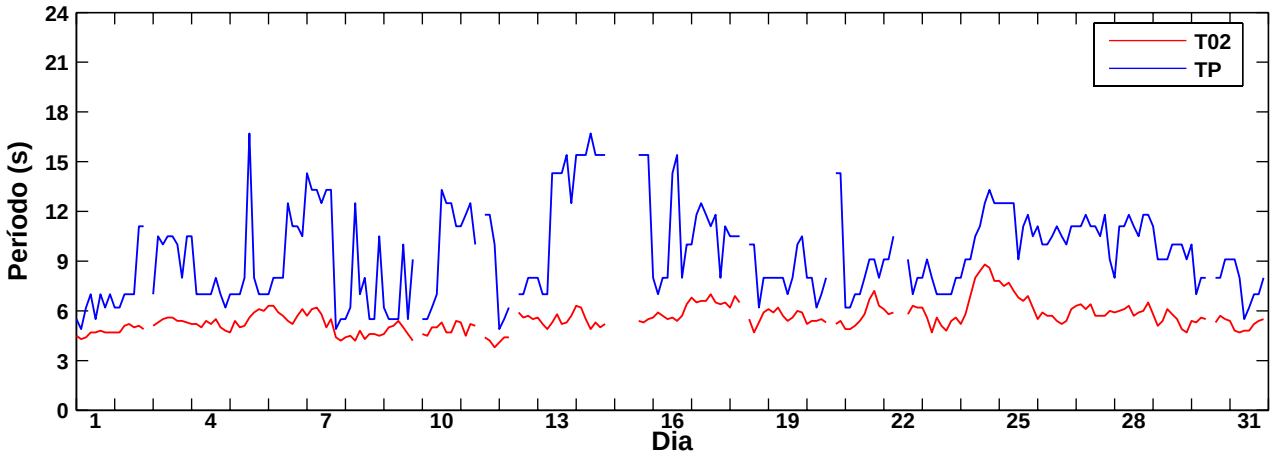

FLORES
Série temporal − Outubro 2006
HMO
Alturas (m)
Dia
0
2
4
6
8
10
1
4
7
10
13
16
19
22
25
28
31


Série temporal − Novembro 2006
HMO
Alturas (m)
Dia
0
2
4
6
8
10
1
4
7
10
13
16
19
22
25
28
31

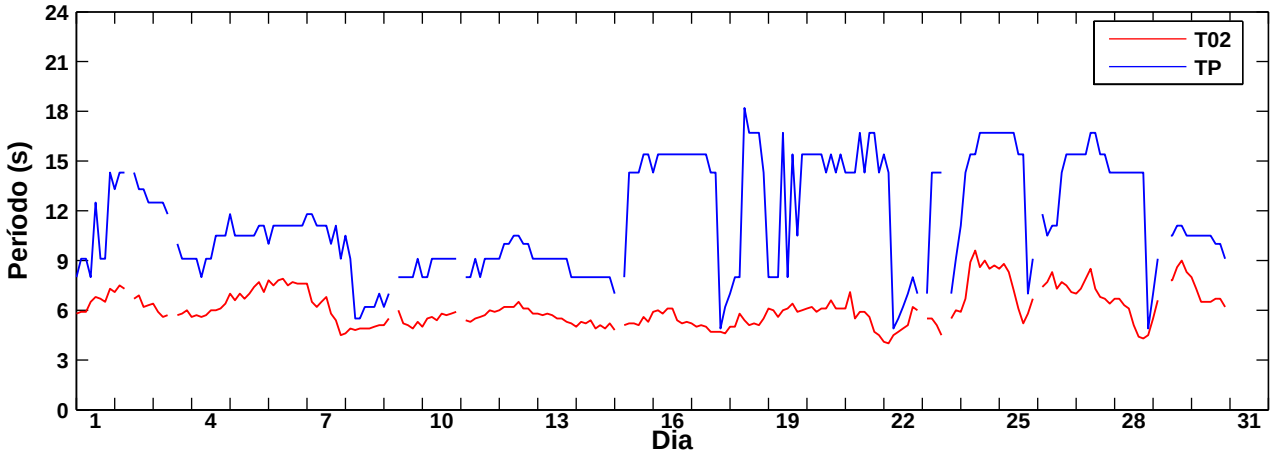

Série temporal − Dezembro 2006
HMO
Alturas (m)
Dia
0
2
4
6
8
10
1
4
7
10
13
16
19
22
25
28
31

FLORES

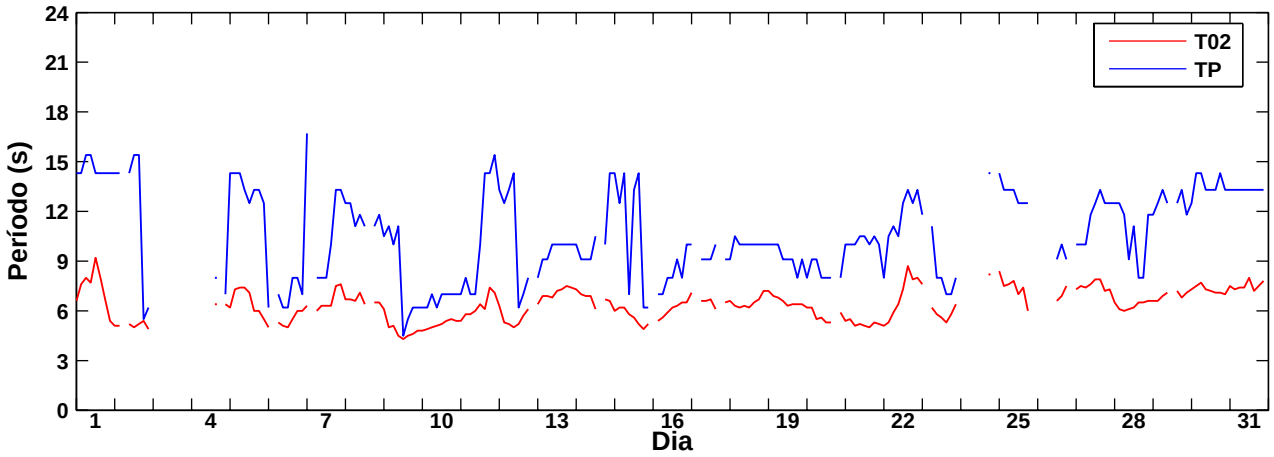
Séries temporais − Outubro 2006



Séries temporais − Novembro 2006

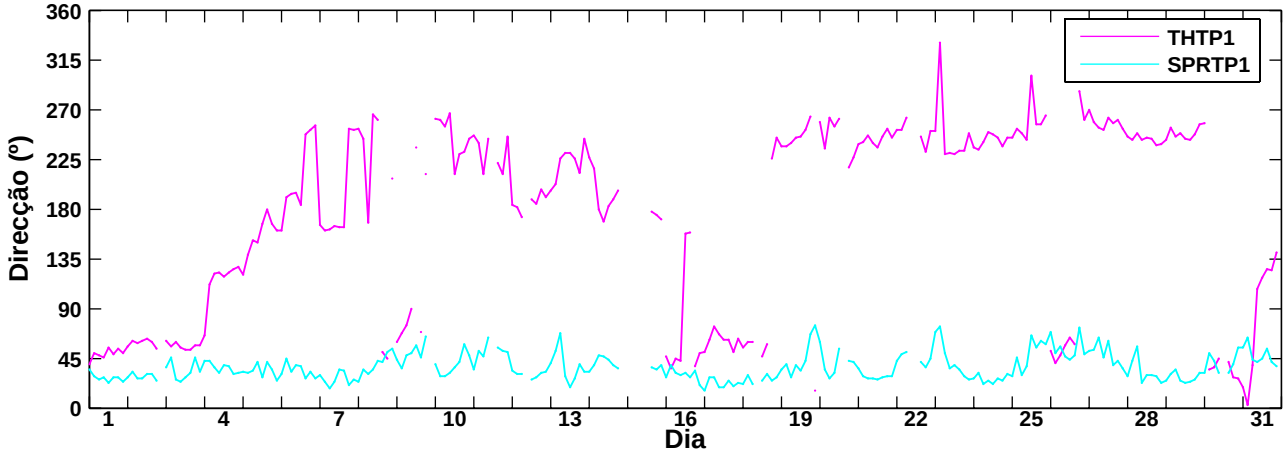


Séries temporais − Dezembro 2006

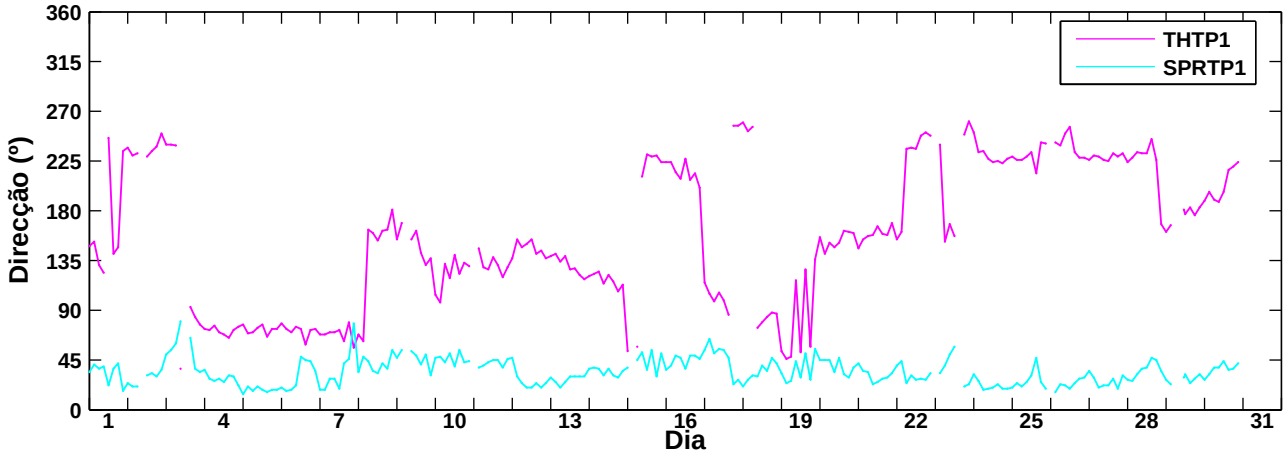


FLORES

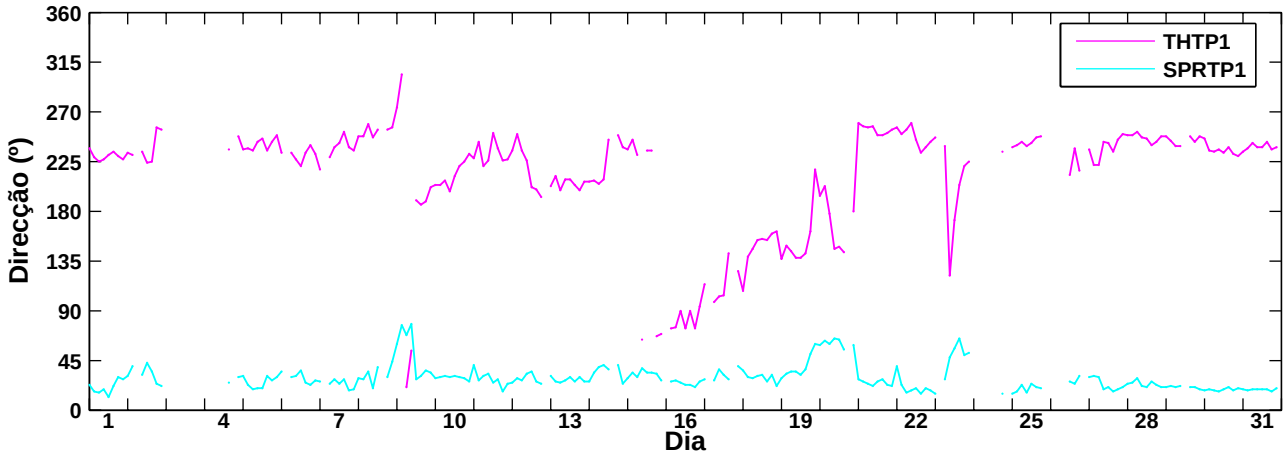
Séries temporais − Outubro 2006



Séries temporais − Novembro 2006

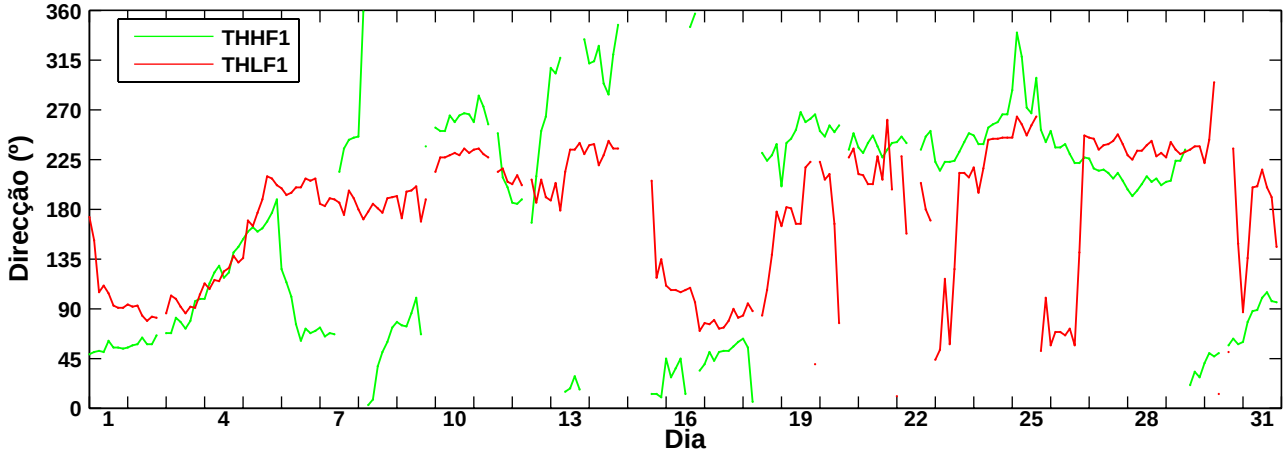


Séries temporais − Dezembro 2006

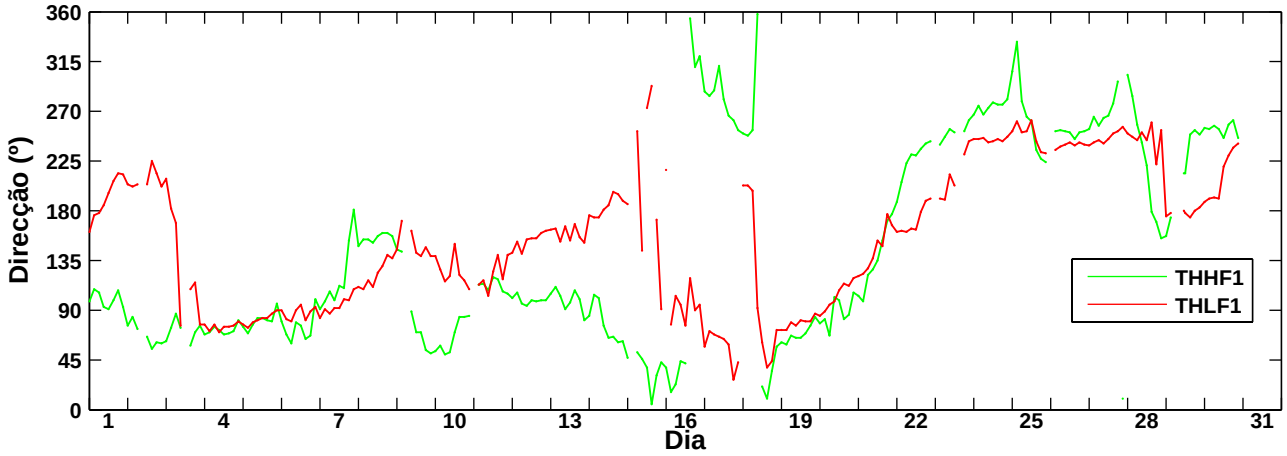


FLORES

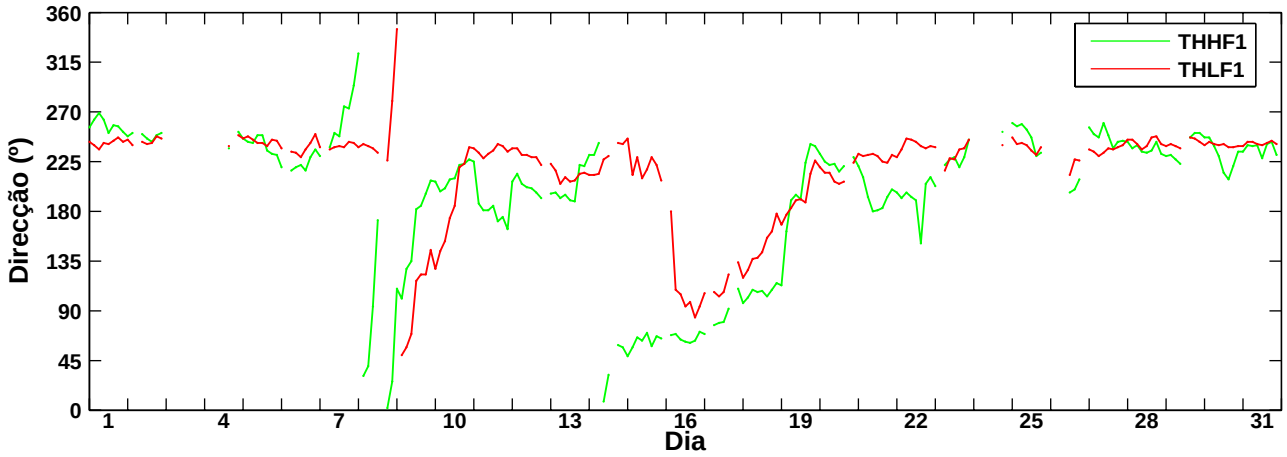
Séries temporais − Outubro 2006



Séries temporais − Novembro 2006



Séries temporais − Dezembro 2006



ANEXO F

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

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	7	9	1													18	7.7	4.9
1.0- 1.5			32	63	8													103	44.2	5.2
1.5- 2.0			10	38	25													73	31.3	5.7
2.0- 2.5				15	9	4												28	12.0	6.1
2.5- 3.0					3	3												6	2.6	7.1
3.0- 3.5				1			2											3	1.3	7.5
3.5- 4.0							2											2	0.9	8.6
4.0- 4.5																				
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	49	126	46	7	4											233	100	
%		0.4	21.0	54.1	19.7	3.0	1.7											100		
MED		0.8	1.3	1.5	1.8	2.5	3.6													

T02

MED 5.6 MIN 3.8 MAX 8.8

DES.PAD 0.8 ASSIM 1.03 CURT 5.10

HM0

MED 1.57 MIN 0.71 MAX 3.87

DES.PAD 0.52 ASSIM 1.36 CURT 5.85

TABELA DE OCORRENCIAS CONJUNTAS FLORES 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			3	5	6	1												15	6.5	5.7
1.0- 1.5			11	28	11	1												51	22.1	5.4
1.5- 2.0			11	30	21	10												72	31.2	5.9
2.0- 2.5			1	23	10	12												46	19.9	6.2
2.5- 3.0				4	16	4	4											28	12.1	6.7
3.0- 3.5						2	5											7	3.0	8.2
3.5- 4.0						2	1	2										5	2.2	8.3
4.0- 4.5					2	1	2	1										6	2.6	7.9
4.5- 5.0						1												1	0.4	7.8
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			26	90	66	34	12	3										231	100	
%			11.3	39.0	28.6	14.7	5.2	1.3										100		
MED			1.4	1.7	2.0	2.4	3.3	3.9												

T02			HM0		
MED 6.1	MIN 4.0	MAX 9.6	MED 1.95	MIN 0.72	MAX 4.75
DES.PAD 1.1	ASSIM 0.75	CURT 3.16	DES.PAD 0.76	ASSIM 1.08	CURT 4.29

TABELA DE OCORRENCIAS CONJUNTAS FLORES DEZ 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	7	6	2												16	7.7	5.8
1.5- 2.0			7	26	18	5												56	26.8	5.8
2.0- 2.5			1	16	16	11	1											45	21.5	6.3
2.5- 3.0				7	15	12	4											38	18.2	6.7
3.0- 3.5					15	18	2	1										36	17.2	7.1
3.5- 4.0					8	5												13	6.2	6.9
4.0- 4.5					2	2												4	1.9	7.0
4.5- 5.0					1													1	0.5	6.9
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			9	56	81	55	7	1										209	100	
%			4.3	26.8	38.8	26.3	3.3	0.5										100		
MED			1.7	1.9	2.6	2.8	2.8	3.0												

T02

MED 6.4 MIN 4.3 MAX 9.2

DES.PAD 0.9 ASSIM 0.07 CURT 2.38

HM0

MED 2.45 MIN 1.12 MAX 4.55

DES.PAD 0.74 ASSIM 0.43 CURT 2.43

TABELA DE OCORRENCIAS CONJUNTAS FLORES 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	1	2	5	4	3						18	7.7	11.0
1.0- 1.5			3	13	7	21	16	4	13	3	3	2	5	11	2			103	44.2	9.2
1.5- 2.0					6	13	15	9	14	13	1		2					73	31.3	9.1
2.0- 2.5					1	2	6	3	5	9	2							28	12.0	9.8
2.5- 3.0								1		2	3							6	2.6	11.5
3.0- 3.5							1		1			1						3	1.3	10.6
3.5- 4.0										1	1							2	0.9	11.8
4.0- 4.5																				
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			3	14	14	37	39	18	35	33	14	6	7	11	2			233	100	
%			1.3	6.0	6.0	15.9	16.7	7.7	15.0	14.2	6.0	2.6	3.0	4.7	0.9			100		
MED			1.2	1.2	1.5	1.5	1.6	1.8	1.6	1.8	1.8	1.4	1.3	1.1	1.2					

TP

MED 9.5 MIN 4.9 MAX 16.7

DES.PAD 2.8 ASSIM 0.52 CURT 2.52

HM0

MED 1.57 MIN 0.71 MAX 3.87

DES.PAD 0.52 ASSIM 1.36 CURT 5.85

TABELA DE OCORRENCIAS CONJUNTAS FLORES 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						7	4	3			15	6.5	14.7
1.0- 1.5						1	9	1	4	5	1		13	17				51	22.1	12.6
1.5- 2.0			3	3	4	4	13	13		8	4	2	10	3	4		1	72	31.2	10.4
2.0- 2.5					2	3	5	16	9	4		1		4	2			46	19.9	10.1
2.5- 3.0						2	1	4	11	2			1	3	4			28	12.1	11.4
3.0- 3.5									3				1	1	2			7	3.0	13.5
3.5- 4.0									1	2					2			5	2.2	13.4
4.0- 4.5								2	1	2				1				6	2.6	11.0
4.5- 5.0									1									1	0.4	10.5
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			3	3	6	10	29	36	30	23	5	3	32	33	17		1	231	100	
%			1.3	1.3	2.6	4.3	12.6	15.6	13.0	10.0	2.2	1.3	13.9	14.3	7.4		0.4	100		
MED			1.5	1.8	1.9	2.1	1.6	2.2	2.6	2.2	1.6	1.8	1.4	1.7	2.2		1.6			

TP

MED 11.4 MIN 4.9 MAX 18.2

DES.PAD 3.3 ASSIM 0.11 CURT 1.79

HM0

MED 1.95 MIN 0.72 MAX 4.75

DES.PAD 0.76 ASSIM 1.08 CURT 4.29

TABELA DE OCORRENCIAS CONJUNTAS FLORES 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																				
1.0- 1.5							2		3	6	2		3					16	7.7	11.4
1.5- 2.0			1	2	6	3	5	3	12	2	5	6	8	3				56	26.8	10.5
2.0- 2.5					6	8	6	6	2	1	3	6	6	1				45	21.5	9.9
2.5- 3.0						6	5	2	8	2	6	4	3	1	1			38	18.2	10.7
3.0- 3.5							4	3	6	5	4	11	3					36	17.2	11.6
3.5- 4.0							2	4	5			1	1					13	6.2	10.0
4.0- 4.5								1	3									4	1.9	9.8
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			1	2	12	17	24	20	39	16	20	28	24	5	1			209	100	
%			0.5	1.0	5.7	8.1	11.5	9.6	18.7	7.7	9.6	13.4	11.5	2.4	0.5			100		
MED			1.5	1.9	2.0	2.3	2.5	2.9	2.6	2.2	2.4	2.7	2.2	2.0	2.9					

TP

MED 10.6 MIN 4.5 MAX 16.7

DES.PAD 2.7 ASSIM -0.05 CURT 1.91

HM0

MED 2.45 MIN 1.12 MAX 4.55

DES.PAD 0.74 ASSIM 0.43 CURT 2.43

TABELA DE OCORRENCIAS CONJUNTAS FLORES OUT 2006

THTP / 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	1			4		6	6				18	7.7	212
1.0- 1.5	3	19	6	5	8	15	18	9	20				103	44.2	169
1.5- 2.0	2	16	12		2	1		14	23	1	1	1	73	31.3	281
2.0- 2.5		4	1					4	18	1			28	12.0	252
2.5- 3.0									6				6	2.6	249
3.0- 3.5								1	2				3	1.3	244
3.5- 4.0									2				2	0.9	246
4.0- 4.5															
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	40	20	5	10	20	18	34	77	2	1	1	233	100	
%	2.1	17.2	8.6	2.1	4.3	8.6	7.7	14.6	33.0	0.9	0.4	0.4	100		
MED	1.5	1.5	1.5	1.3	1.4	1.2	1.2	1.5	1.8	2.2	2.0	1.6			

THTP				HM0			
MED	216	MIN 3	MAX 331	MED	1.57	MIN 0.71	MAX 3.87
DES.PAD	1.63	ASSIM 0.58	CURT 0.75	DES.PAD	0.52	ASSIM 1.36	CURT 5.85

TABELA DE OCORRENCIAS CONJUNTAS FLORES NOV 2006

THTP / 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	12							15	6.5	155
1.0- 1.5		4	8	9	7	4	2	15	2				51	22.1	145
1.5- 2.0		6	17	3	11	11	2	13	9				72	31.2	147
2.0- 2.5			15	2	15	2		9	3				46	19.9	130
2.5- 3.0					6	4	3	10	5				28	12.1	199
3.0- 3.5							3	4					7	3.0	212
3.5- 4.0						1		3	1				5	2.2	222
4.0- 4.5						2	1	1	2				6	2.6	207
4.5- 5.0							1						1	0.4	181
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	15	41	36	12	55	22				231	100	
%		4.3	17.3	6.5	17.7	15.6	5.2	23.8	9.5				100		
MED		1.6	1.8	1.4	1.9	1.7	2.7	2.1	2.3						

THTP			HM0		
MED 160	MIN 37	MAX 261	MED 1.95	MIN 0.72	MAX 4.75
DES.PAD 1.21	ASSIM 0.05	CURT -0.95	DES.PAD 0.76	ASSIM 1.08	CURT 4.29

TABELA DE OCORRENCIAS CONJUNTAS FLORES DEZ 2006

THTP / 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	1	1			2			3	7	1	1		16	7.7	248
1.5- 2.0			3		1	1	9	19	23				56	26.8	231
2.0- 2.5			1		5	2	7	21	9				45	21.5	219
2.5- 3.0			1	2	4	2	3	14	12				38	18.2	218
3.0- 3.5			1	1	2	3	1	16	12				36	17.2	225
3.5- 4.0			1	4			3	5					13	6.2	179
4.0- 4.5				1			3						4	1.9	187
4.5- 5.0								1					1	0.5	212
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	1	7	8	14	8	26	79	63	1	1		209	100	
%	0.5	0.5	3.3	3.8	6.7	3.8	12.4	37.8	30.1	0.5	0.5		100		
MED	1.4	1.1	2.5	3.5	2.4	2.6	2.6	2.5	2.3	1.2	1.2				

THTP				HM0			
MED	223	MIN 21	MAX 304	MED	2.45	MIN 1.12	MAX 4.55
DES.PAD	0.80	ASSIM 1.91	CURT 3.60	DES.PAD	0.74	ASSIM 0.43	CURT 2.43

TABELA DE OCORRENCIAS CONJUNTAS FLORES OUT 2006

THTP / 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		1				3	1.3	202
5.0- 6.0		4	3	2			1		4				14	6.0	69
6.0- 7.0		3	2	1	1	1		2	4				14	6.0	161
7.0- 8.0		6	3	2	7	4	3	6	6				37	15.9	158
8.0- 9.0	1	10			2	1	7	6	12				39	16.7	224
9.0-10.0	3							2	11		1	1	18	7.7	265
10.0-11.0	1	14	4				1	1	13	1			35	15.0	3
11.0-12.0		2	7					4	19	1			33	14.2	252
12.0-13.0			1			2	1	3	7				14	6.0	223
13.0-14.0						4		2					6	2.6	182
14.0-15.0						2		5					7	3.0	209
15.0-16.0						4	4	3					11	4.7	190
16.0-17.0						2							2	0.9	168
17.0-18.0															
>18.0															
SOMA	5	40	20	5	10	20	18	34	77	2	1	1	233	100	
%	2.1	17.2	8.6	2.1	4.3	8.6	7.7	14.6	33.0	0.9	0.4	0.4	100		
MED	9.2	8.3	9.2	6.2	7.1	12.2	9.6	10.6	9.4	10.6	9.1	9.1			

THTP				TP		
MED 216	MIN 3	MAX 331		MED 9.5	MIN 4.9	MAX 16.7
DES.PAD 1.63	ASSIM 0.58	CURT 0.75		DES.PAD 2.76	ASSIM 0.52	CURT 2.52

TABELA DE OCORRENCIAS CONJUNTAS FLORES NOV 2006

THTP / 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	1				3	1.3	222
5.0- 6.0						2		1					3	1.3	185
6.0- 7.0						4		1	1				6	2.6	184
7.0- 8.0		1				2	1		6				10	4.3	223
8.0- 9.0		5	1	7	11	2			3				29	12.6	117
9.0-10.0		1	7	1	22	2		1	2				36	15.6	125
10.0-11.0		1	11	1	3	4	7	3					30	13.0	132
11.0-12.0		2	15			1	1		4				23	10.0	78
12.0-13.0								1	4				5	2.2	243
13.0-14.0								3					3	1.3	236
14.0-15.0			2	1	1	10		17	1				32	13.9	197
15.0-16.0				4	4	5	3	17					33	14.3	192
16.0-17.0			3	1		3		10					17	7.4	193
17.0-18.0															
>18.0			1										1	0.4	74
SOMA		10	40	15	41	36	12	55	22				231	100	
%		4.3	17.3	6.5	17.7	15.6	5.2	23.8	9.5				100		
MED		8.9	11.3	11.2	9.6	11.4	11.5	14.2	9.3						

THTP			TP		
MED 160	MIN 37	MAX 261	MED 11.4	MIN 4.9	MAX 18.2
DES.PAD 1.21	ASSIM 0.05	CURT -0.95	DES.PAD 3.29	ASSIM 0.11	CURT 1.79

TABELA DE OCORRENCIAS CONJUNTAS FLORES DEZ 2006

THTP / 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	190
5.0- 6.0							1		1				2	1.0	221
6.0- 7.0			2				6	3	1				12	5.7	205
7.0- 8.0			3				3	10	1				17	8.1	215
8.0- 9.0			2	1	4	2	4	5	6				24	11.5	197
9.0-10.0				5	4	1	5	4	1				20	9.6	170
10.0-11.0	1			2	6	5	6	4	14	1			39	18.7	210
11.0-12.0		1						1	13		1		16	7.7	254
12.0-13.0								2	18				20	9.6	246
13.0-14.0								20	8				28	13.4	238
14.0-15.0								24					24	11.5	233
15.0-16.0								5					5	2.4	226
16.0-17.0								1					1	0.5	218
17.0-18.0															
>18.0															
SOMA	1	1	7	8	14	8	26	79	63	1	1		209	100	
%	0.5	0.5	3.3	3.8	6.7	3.8	12.4	37.8	30.1	0.5	0.5		100		
MED	10.0	11.1	7.1	9.2	9.2	9.4	7.9	11.9	11.1	10.5	11.1				

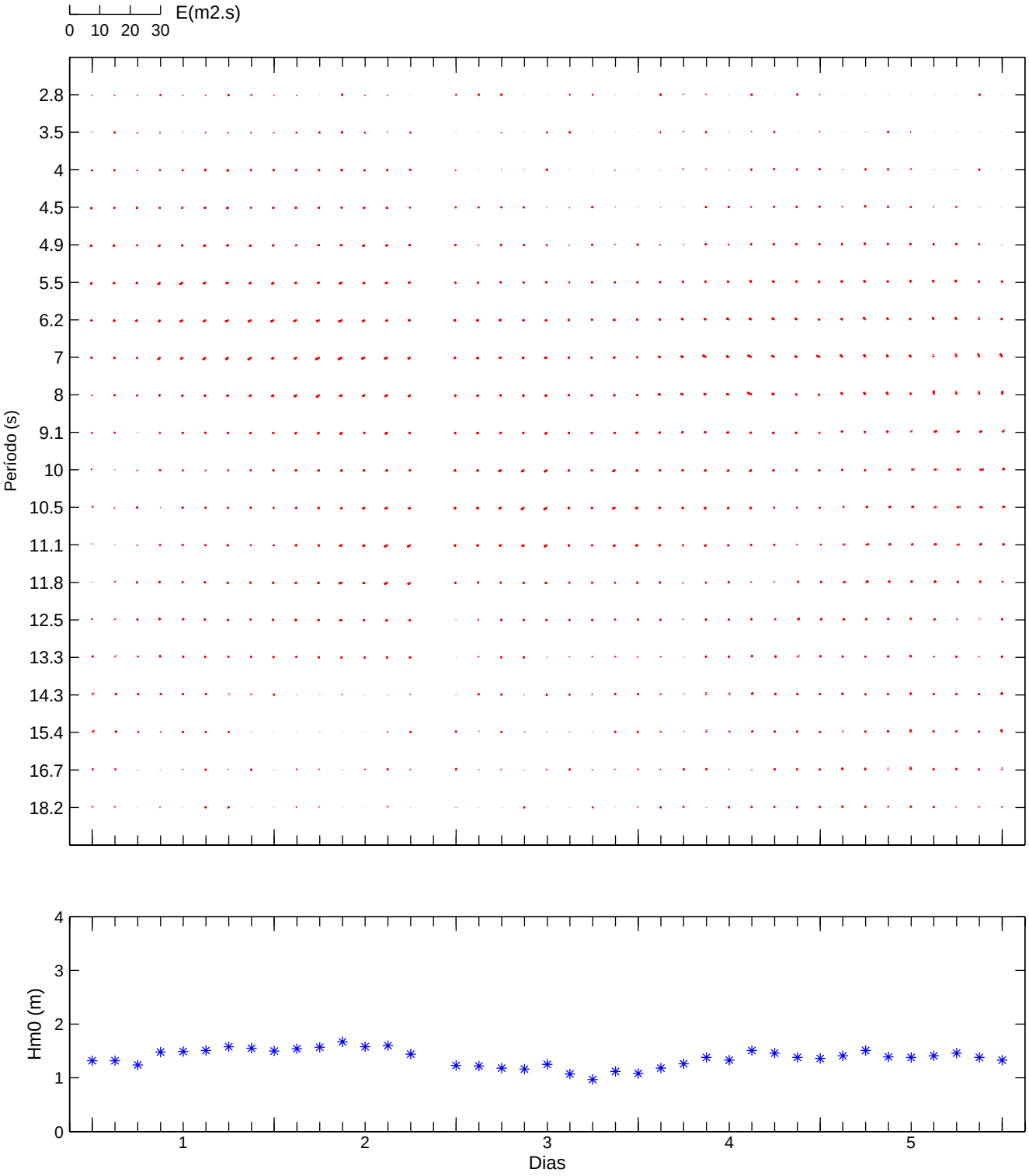
THTP				TP			
MED 223	MIN 21	MAX 304		MED 10.6	MIN 4.5	MAX 16.7	
DES.PAD 0.80	ASSIM 1.91	CURT 3.60		DES.PAD 2.71	ASSIM -0.05	CURT 1.91	

ANEXO G

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

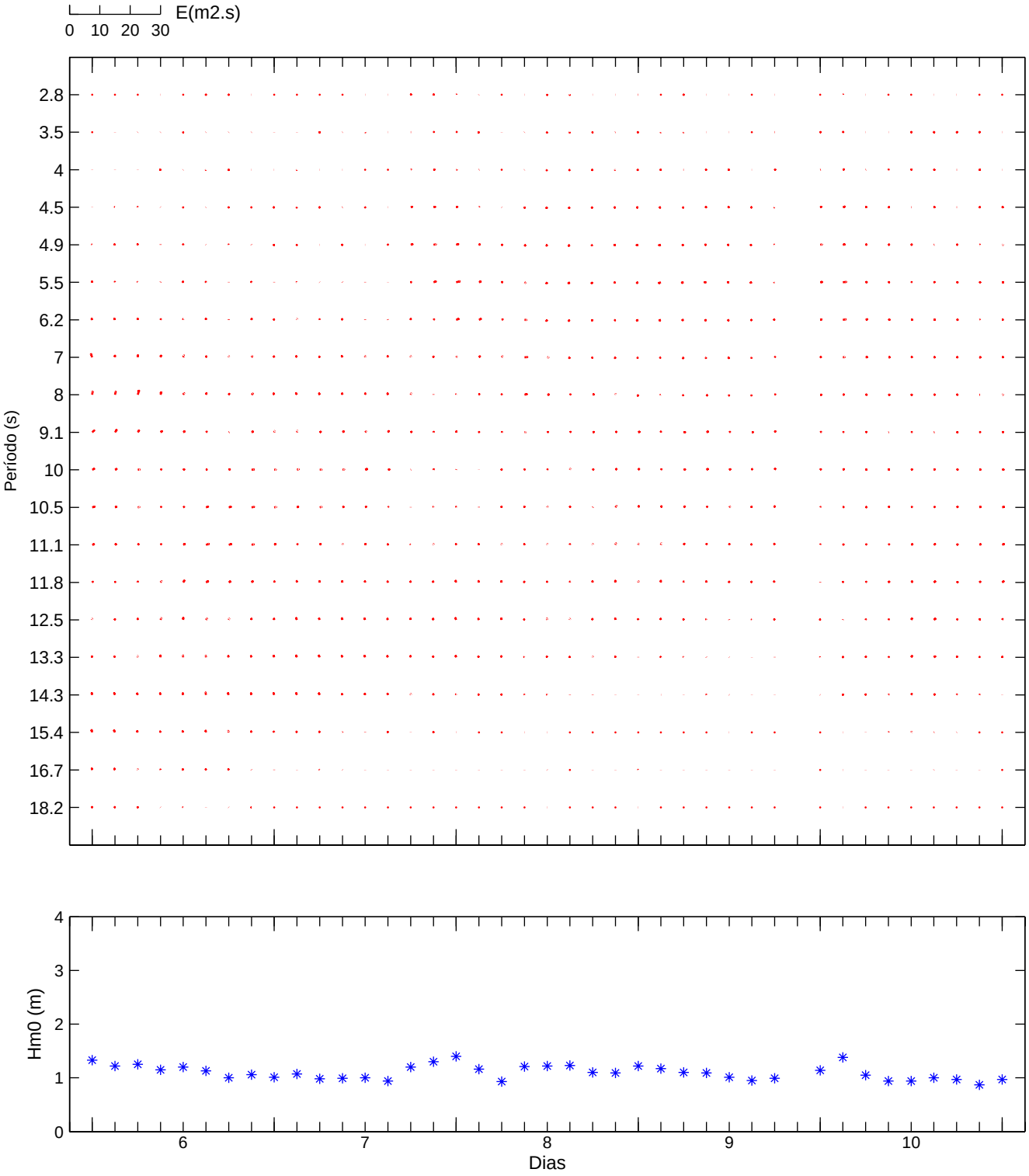
EVOLUÇÃO TEMPORAL DA DISTRIBUIÇÃO DE ENERGIA E DA DIRECÇÃO MÉDIA

POR BANDA DE FREQUÊNCIA − FLORES 2006 OUT 1−5



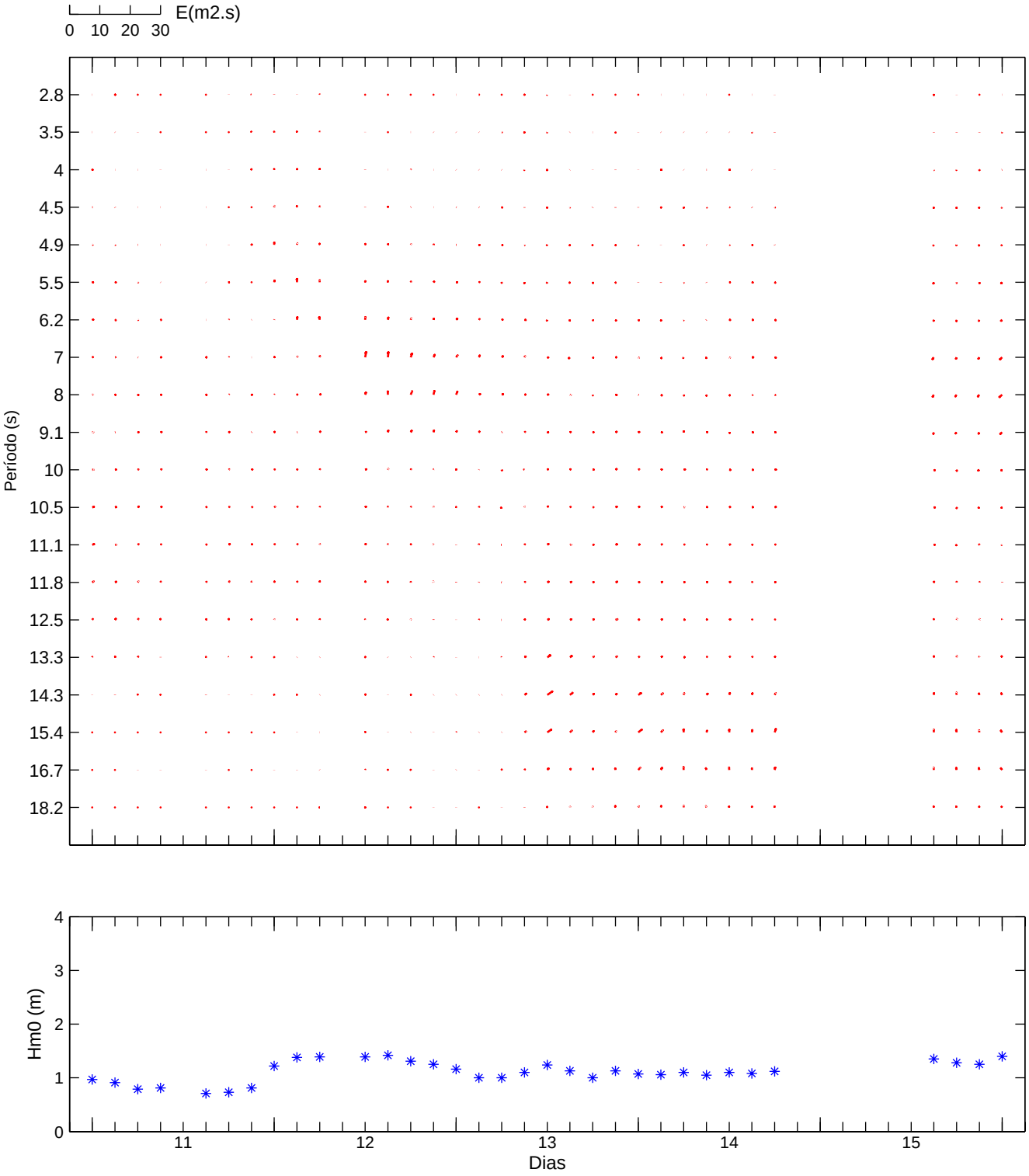
EVOLUÇÃO TEMPORAL DA DISTRIBUIÇÃO DE ENERGIA E DA DIRECÇÃO MÉDIA

POR BANDA DE FREQUÊNCIA − FLORES 2006 OUT 6−10



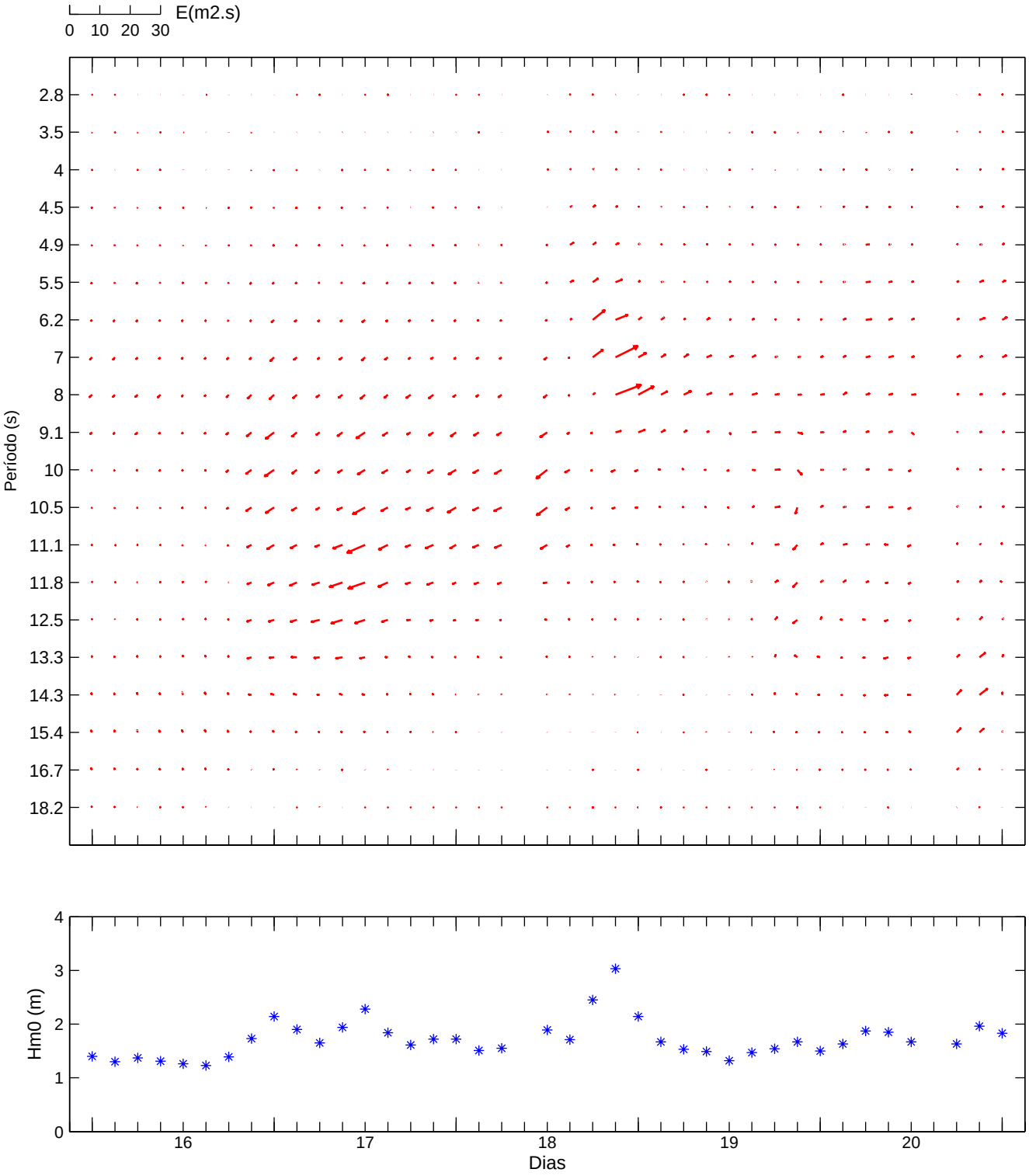
EVOLUÇÃO TEMPORAL DA DISTRIBUIÇÃO DE ENERGIA E DA DIRECÇÃO MÉDIA

POR BANDA DE FREQUÊNCIA − FLORES 2006 OUT 11−15



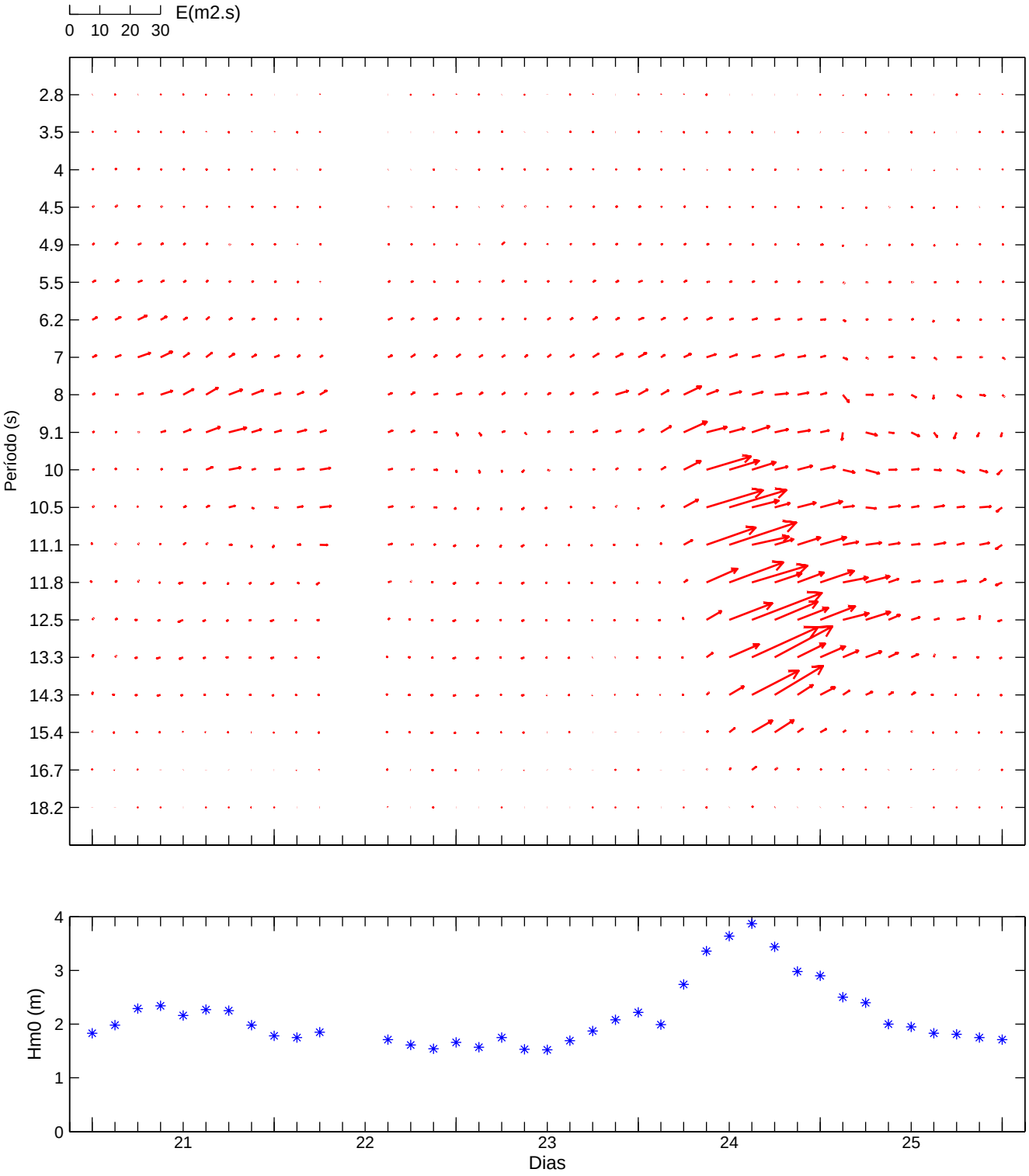
EVOLUÇÃO TEMPORAL DA DISTRIBUIÇÃO DE ENERGIA E DA DIRECÇÃO MÉDIA

POR BANDA DE FREQUÊNCIA − FLORES 2006 OUT 16−20



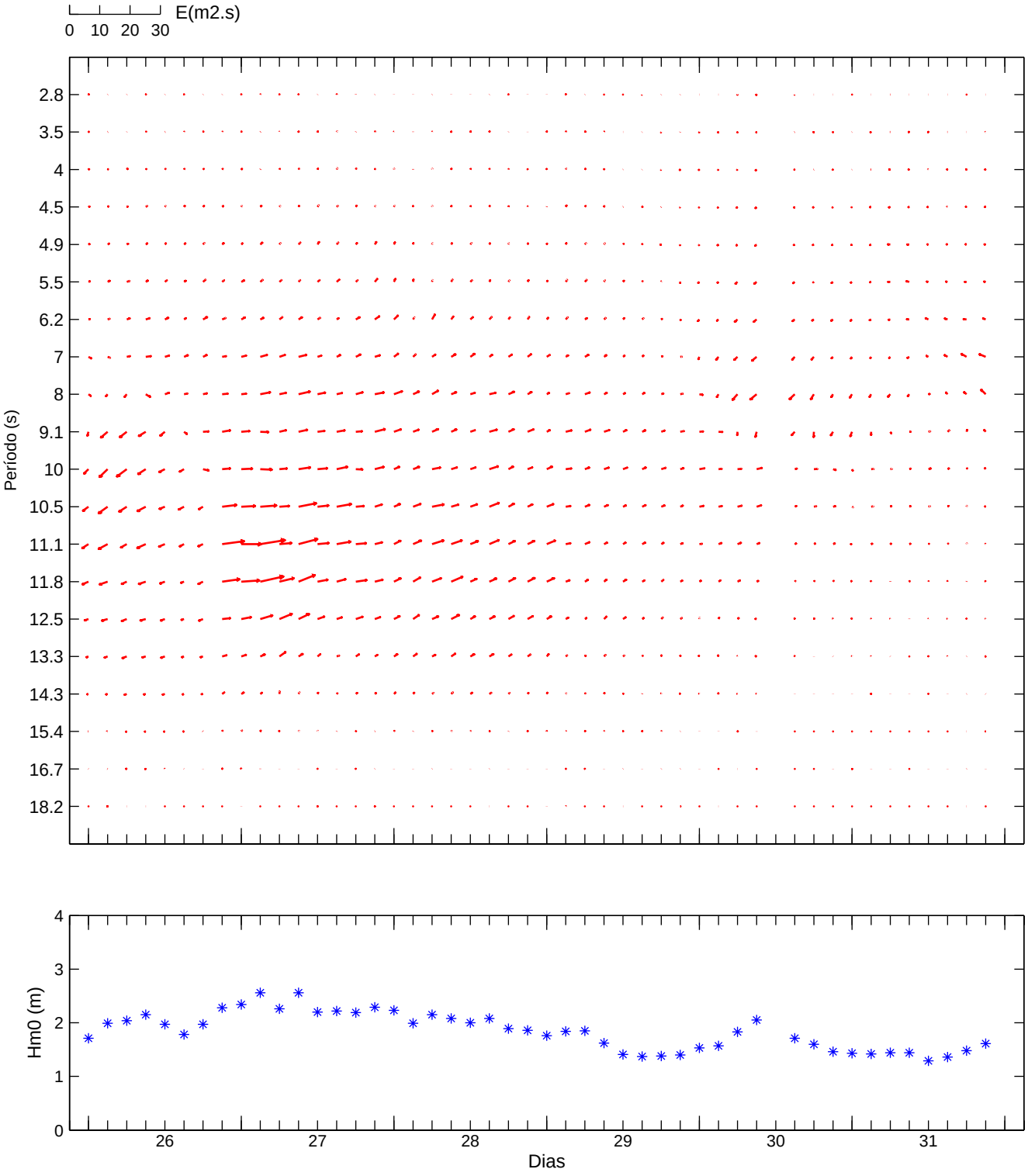
EVOLUÇÃO TEMPORAL DA DISTRIBUIÇÃO DE ENERGIA E DA DIRECÇÃO MÉDIA

POR BANDA DE FREQUÊNCIA − FLORES 2006 OUT 21−25



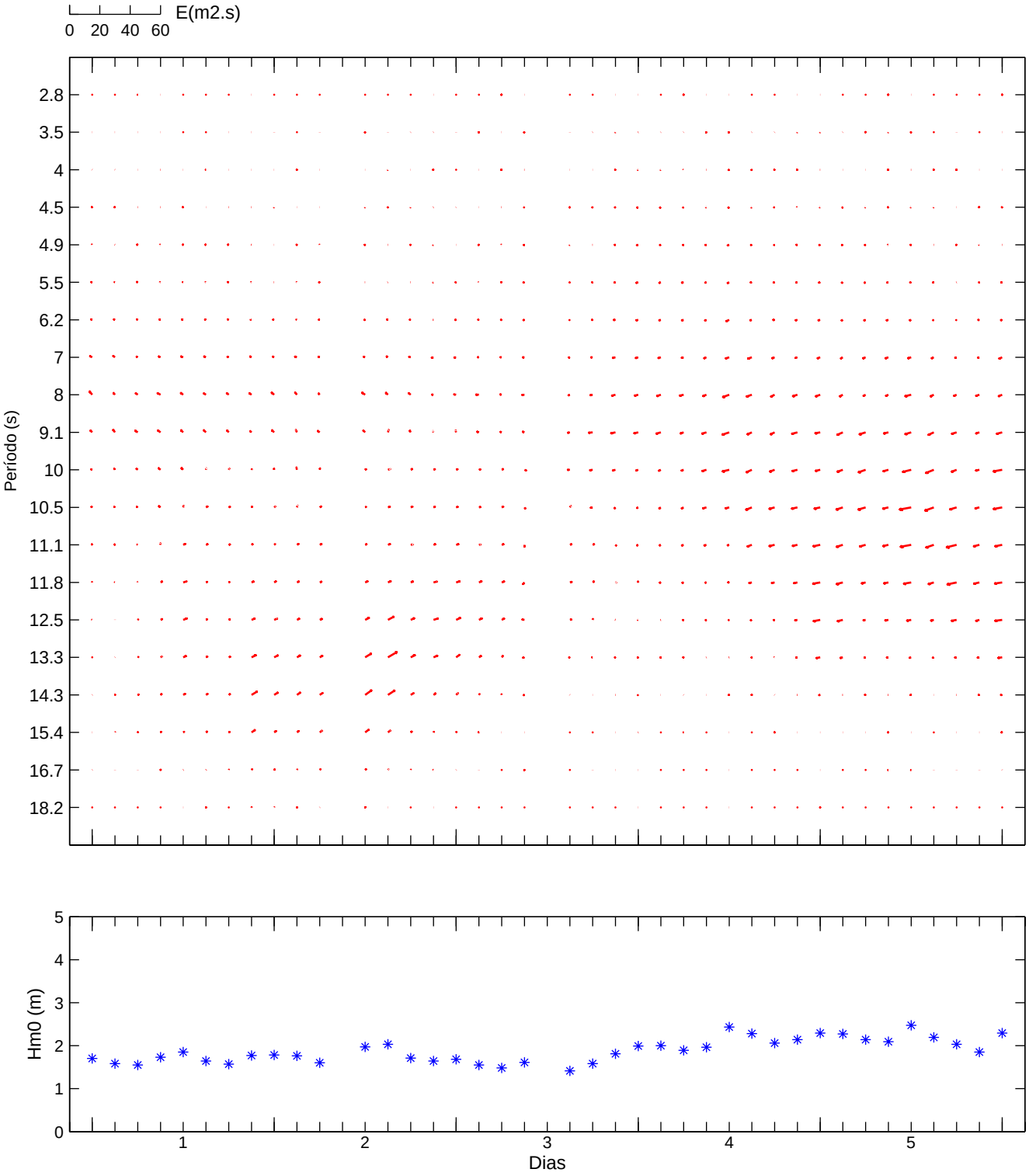
EVOLUÇÃO TEMPORAL DA DISTRIBUIÇÃO DE ENERGIA E DA DIRECÇÃO MÉDIA

POR BANDA DE FREQUÊNCIA − FLORES 2006 OUT 26−31



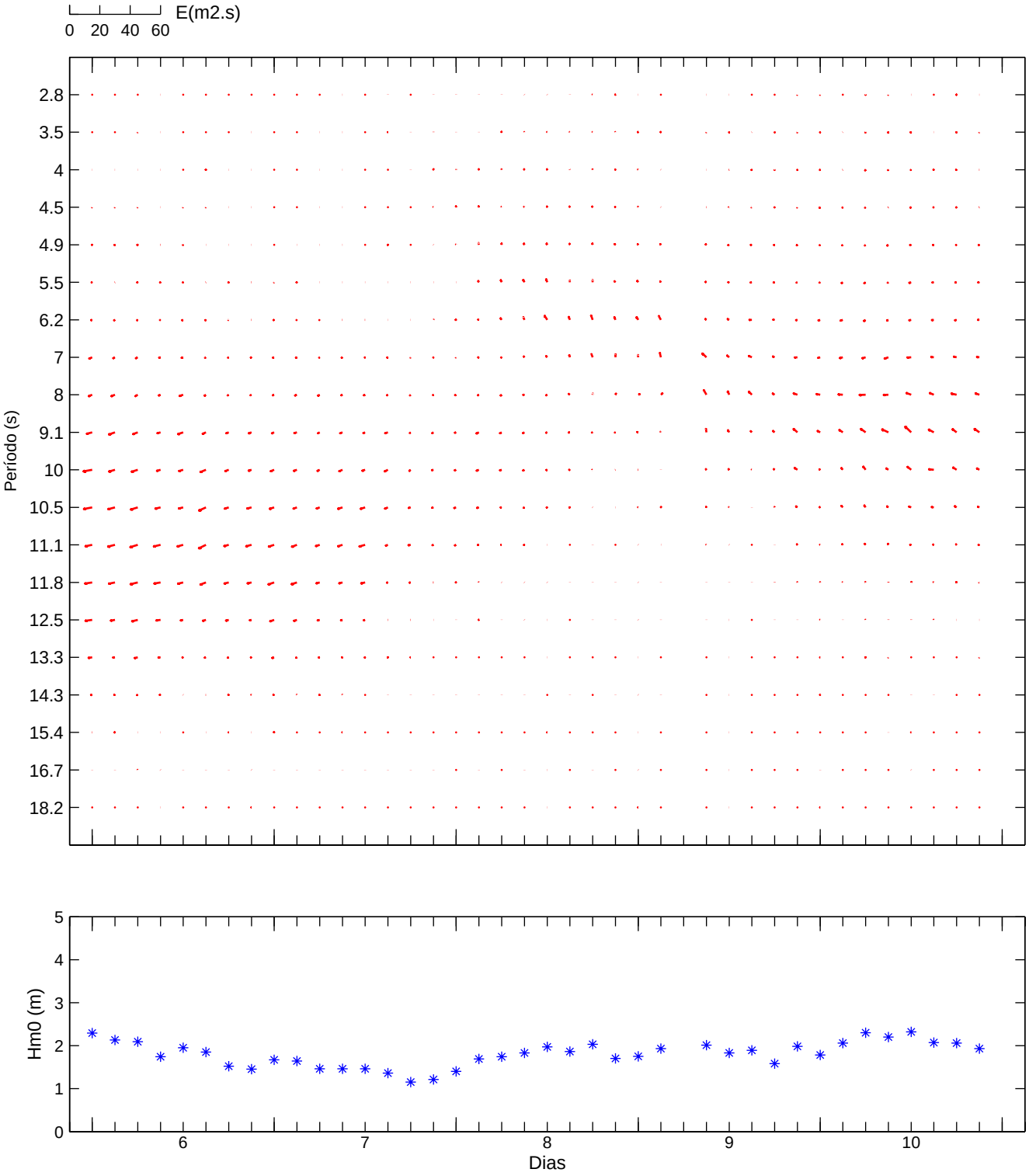
EVOLUÇÃO TEMPORAL DA DISTRIBUIÇÃO DE ENERGIA E DA DIRECÇÃO MÉDIA

POR BANDA DE FREQUÊNCIA − FLORES 2006 NOV 1−5



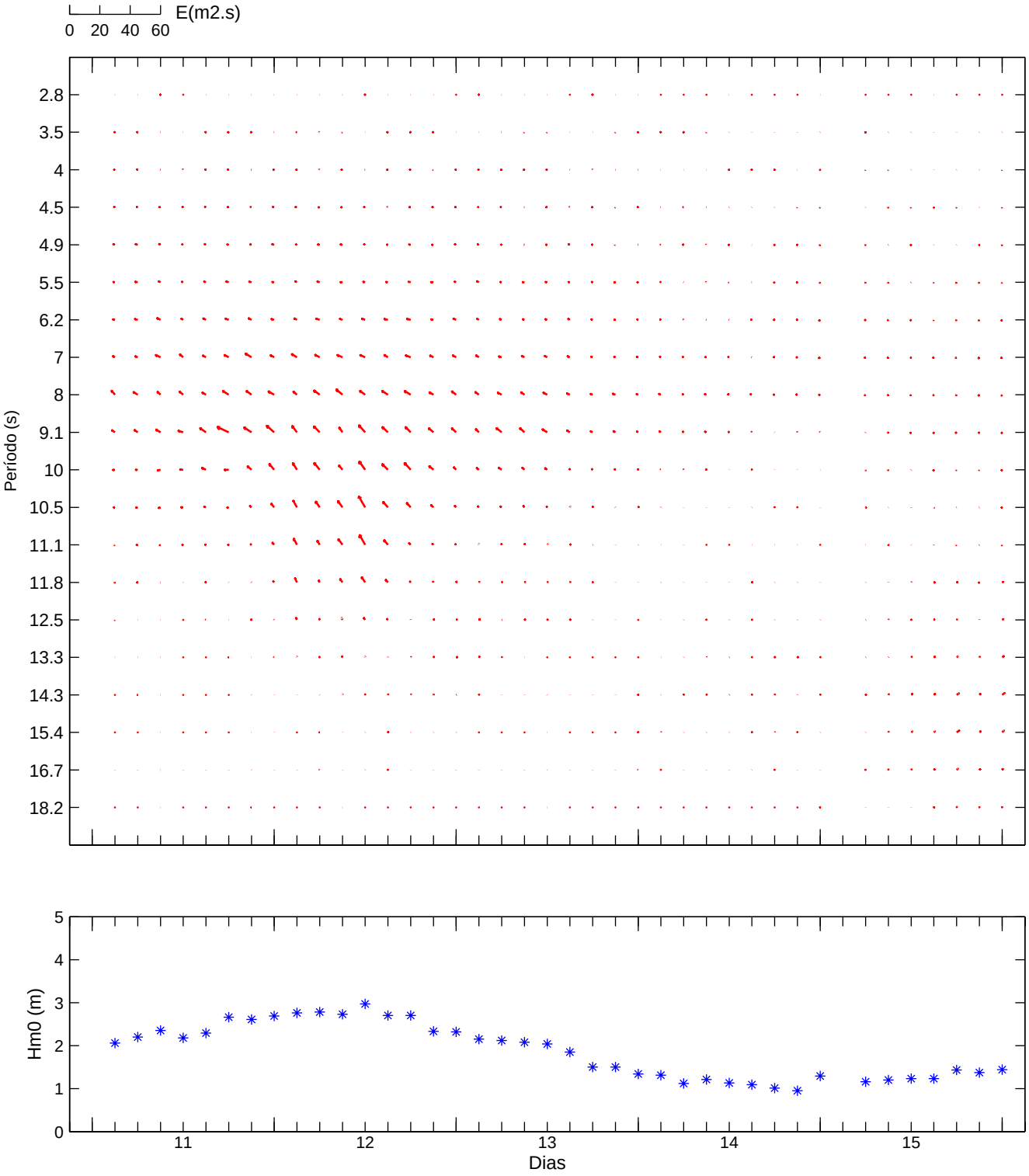
EVOLUÇÃO TEMPORAL DA DISTRIBUIÇÃO DE ENERGIA E DA DIRECÇÃO MÉDIA

POR BANDA DE FREQUÊNCIA − FLORES 2006 NOV 6−10



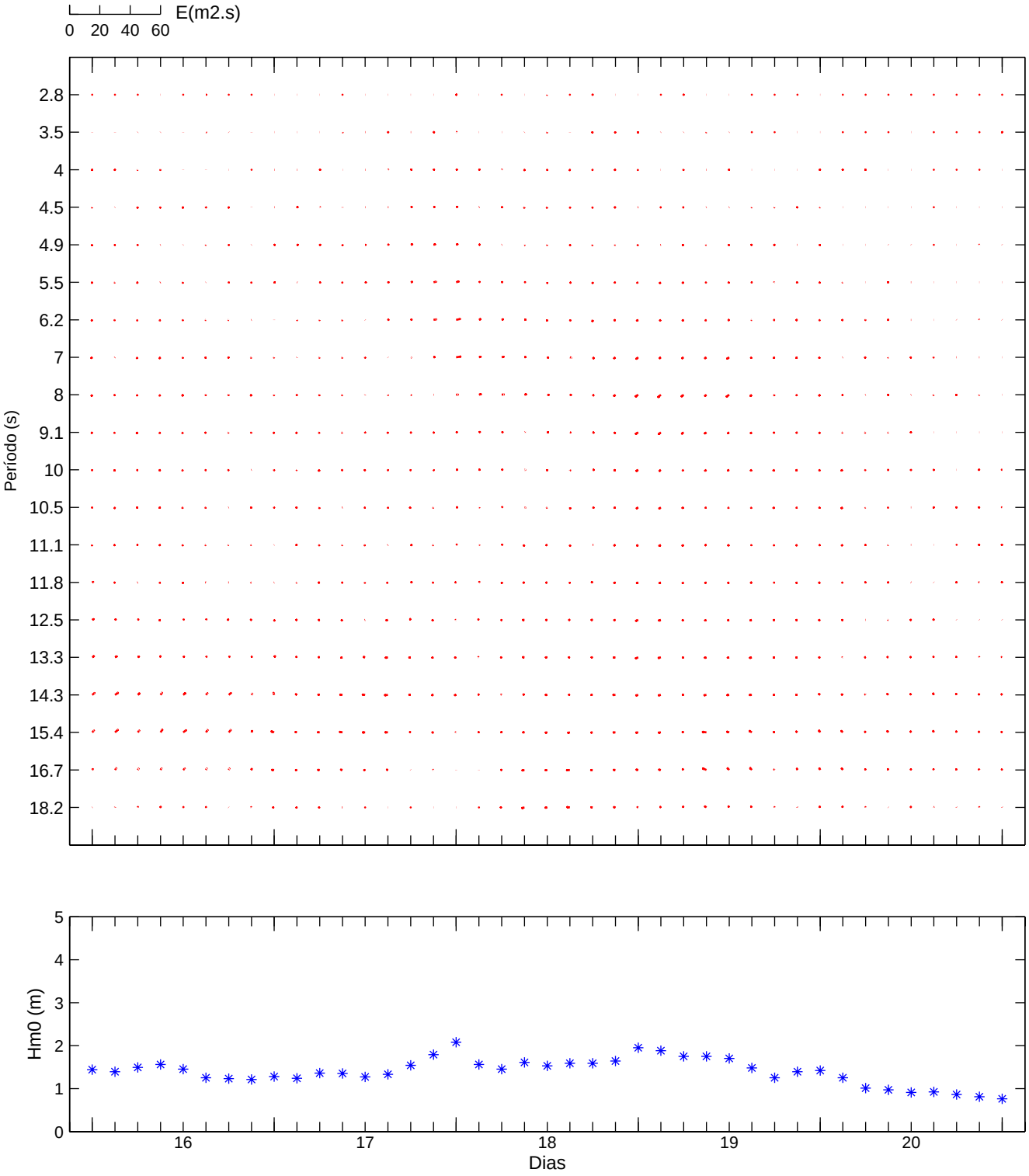
EVOLUÇÃO TEMPORAL DA DISTRIBUIÇÃO DE ENERGIA E DA DIRECÇÃO MÉDIA

POR BANDA DE FREQUÊNCIA − FLORES 2006 NOV 11−15



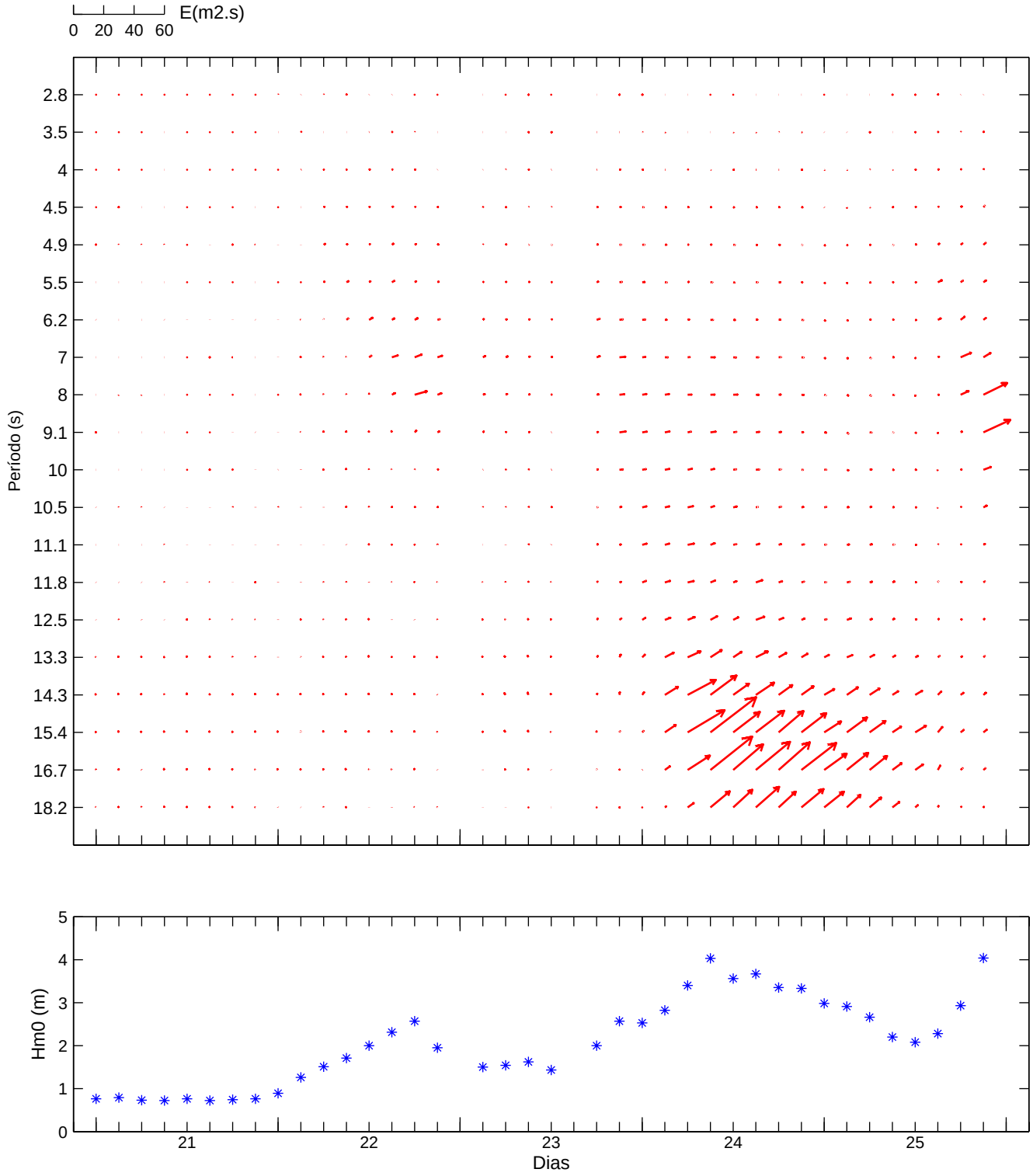
EVOLUÇÃO TEMPORAL DA DISTRIBUIÇÃO DE ENERGIA E DA DIRECÇÃO MÉDIA

POR BANDA DE FREQUÊNCIA − FLORES 2006 NOV 16−20



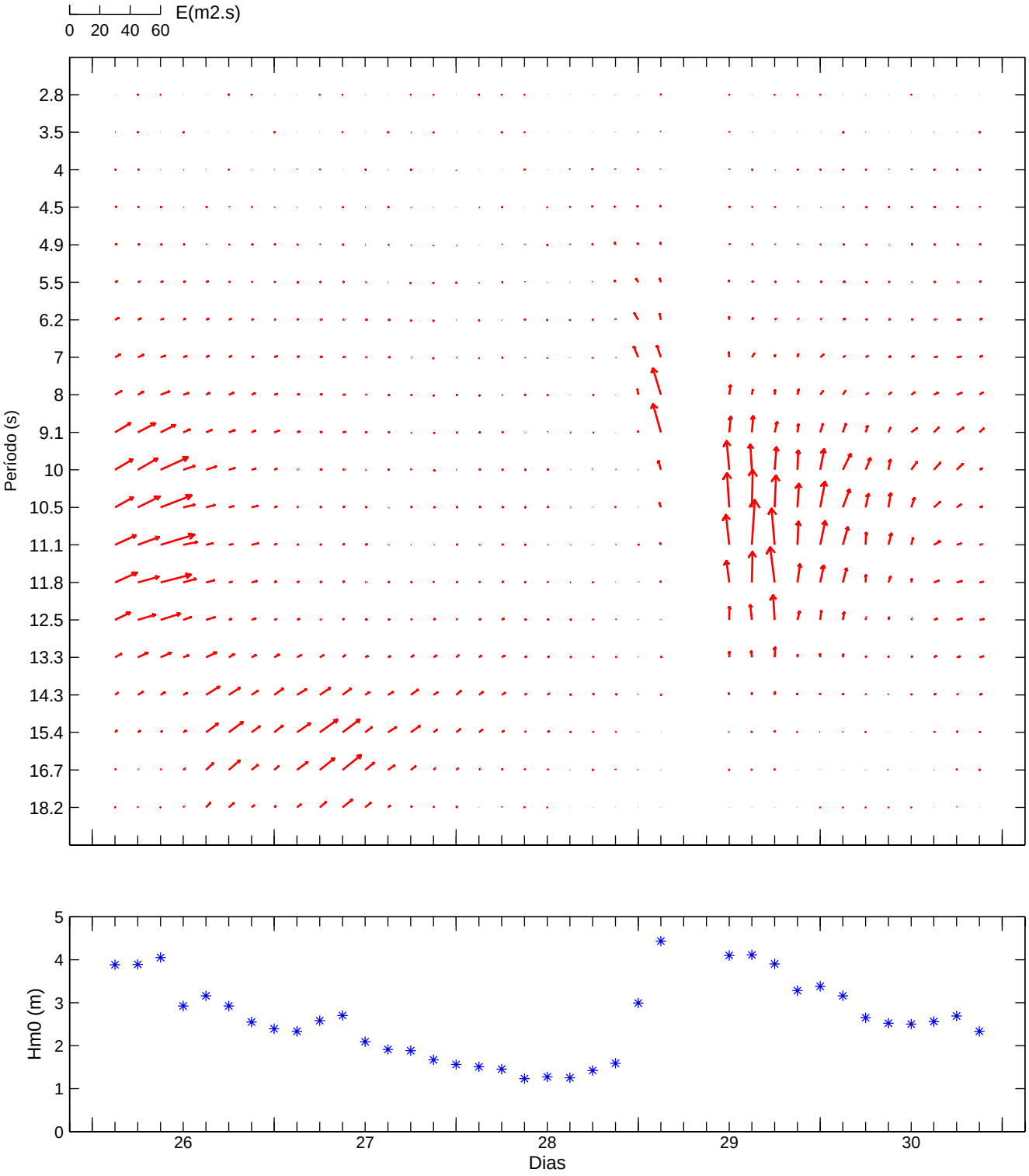
EVOLUÇÃO TEMPORAL DA DISTRIBUIÇÃO DE ENERGIA E DA DIRECÇÃO MÉDIA

POR BANDA DE FREQUÊNCIA − FLORES 2006 NOV 21−25



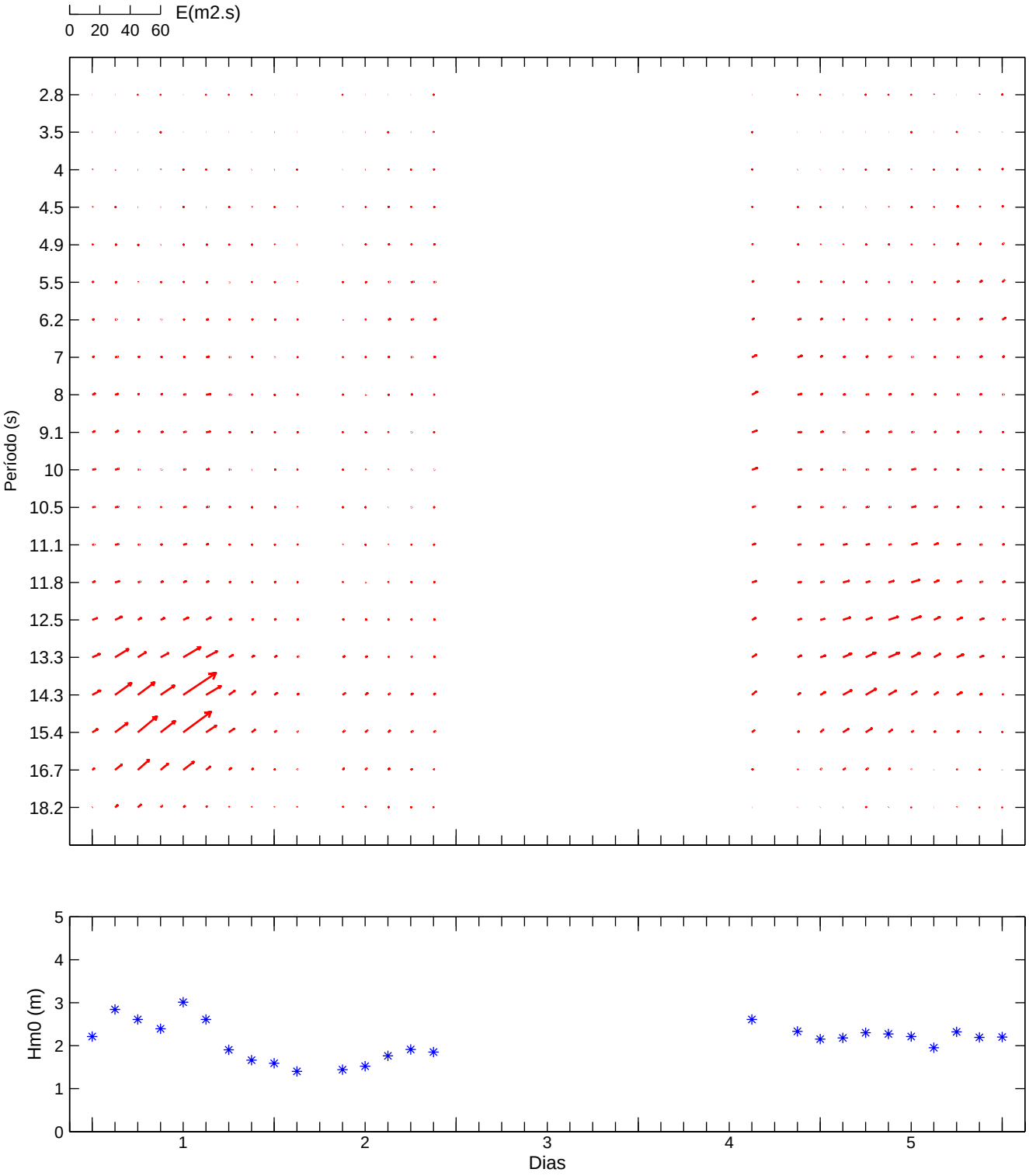
EVOLUÇÃO TEMPORAL DA DISTRIBUIÇÃO DE ENERGIA E DA DIRECÇÃO MÉDIA

POR BANDA DE FREQUÊNCIA − FLORES 2006 NOV 26−30



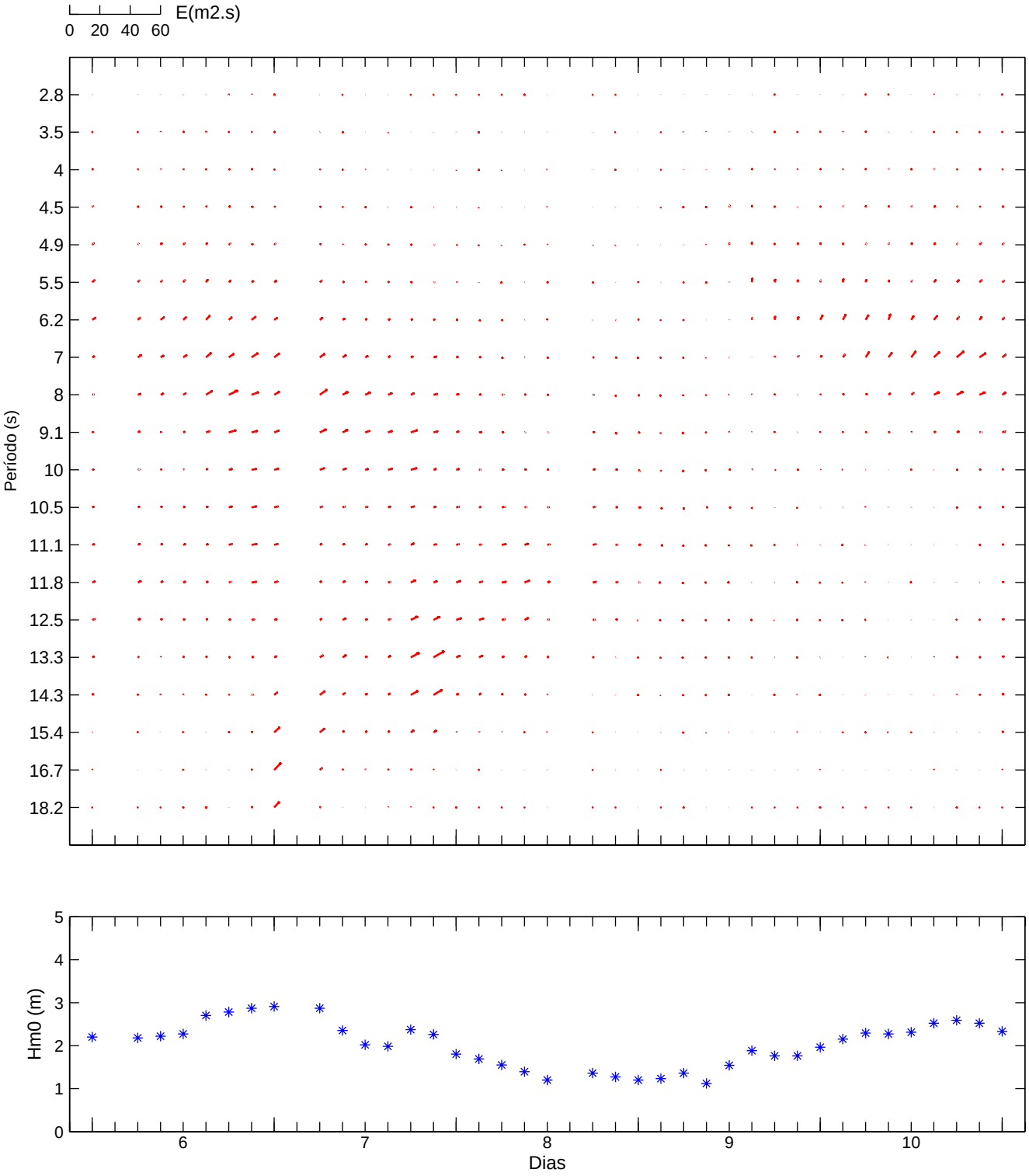
EVOLUÇÃO TEMPORAL DA DISTRIBUIÇÃO DE ENERGIA E DA DIRECÇÃO MÉDIA

POR BANDA DE FREQUÊNCIA − FLORES 2006 DEZ 1−5



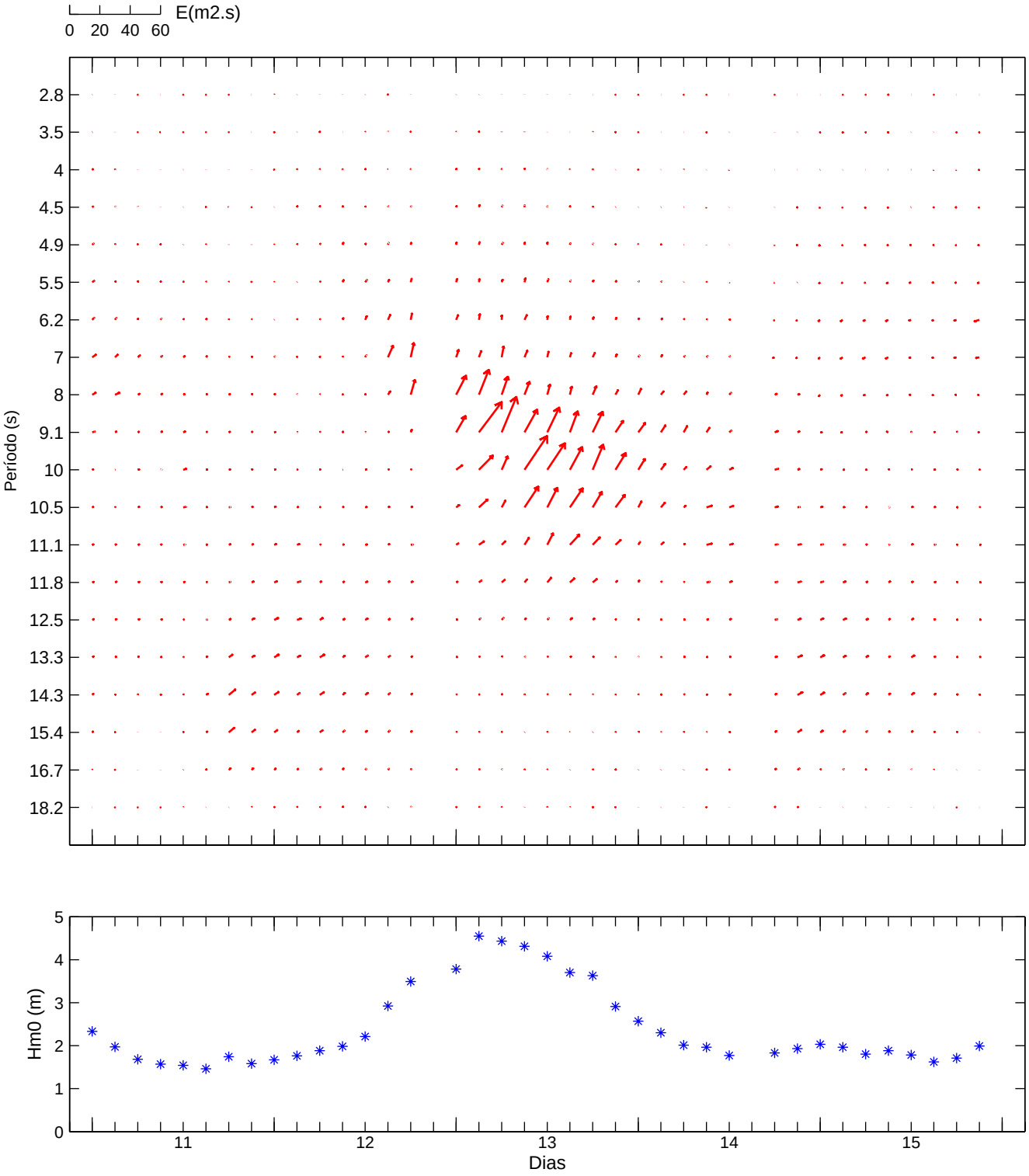
EVOLUÇÃO TEMPORAL DA DISTRIBUIÇÃO DE ENERGIA E DA DIRECÇÃO MÉDIA

POR BANDA DE FREQUÊNCIA − FLORES 2006 DEZ 6−10



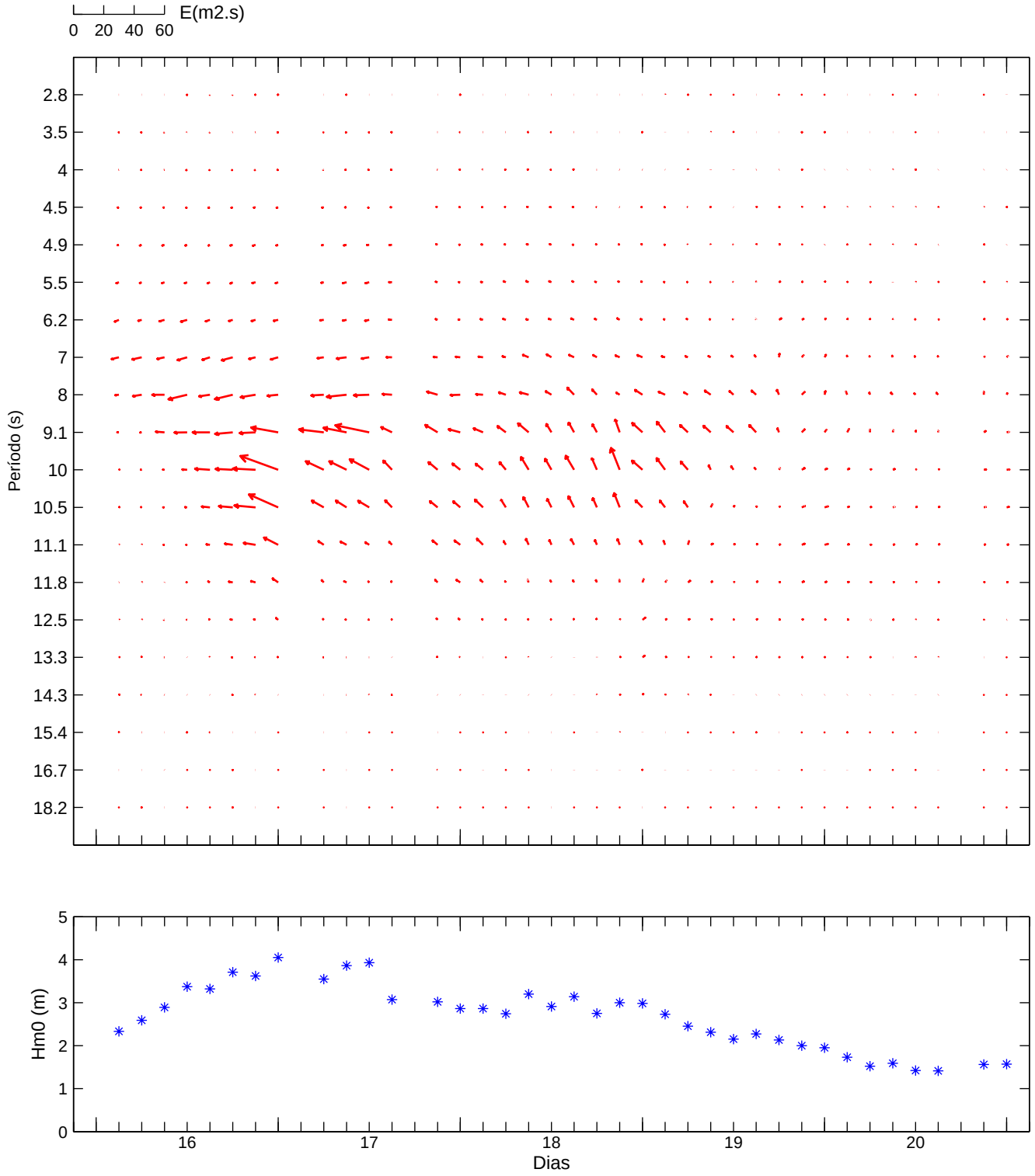
EVOLUÇÃO TEMPORAL DA DISTRIBUIÇÃO DE ENERGIA E DA DIRECÇÃO MÉDIA

POR BANDA DE FREQUÊNCIA − FLORES 2006 DEZ 11−15



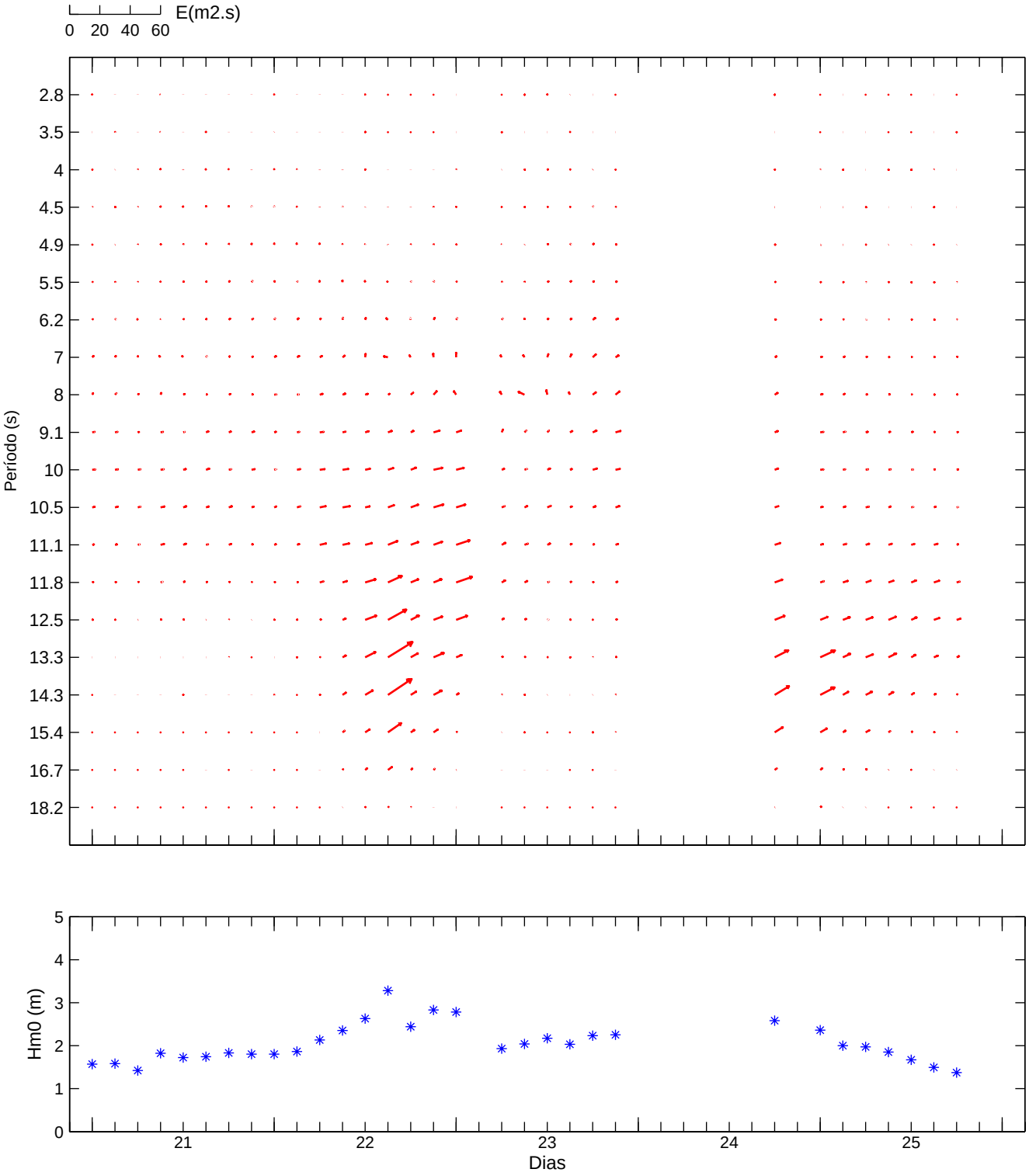
EVOLUÇÃO TEMPORAL DA DISTRIBUIÇÃO DE ENERGIA E DA DIRECÇÃO MÉDIA

POR BANDA DE FREQUÊNCIA − FLORES 2006 DEZ 16−20



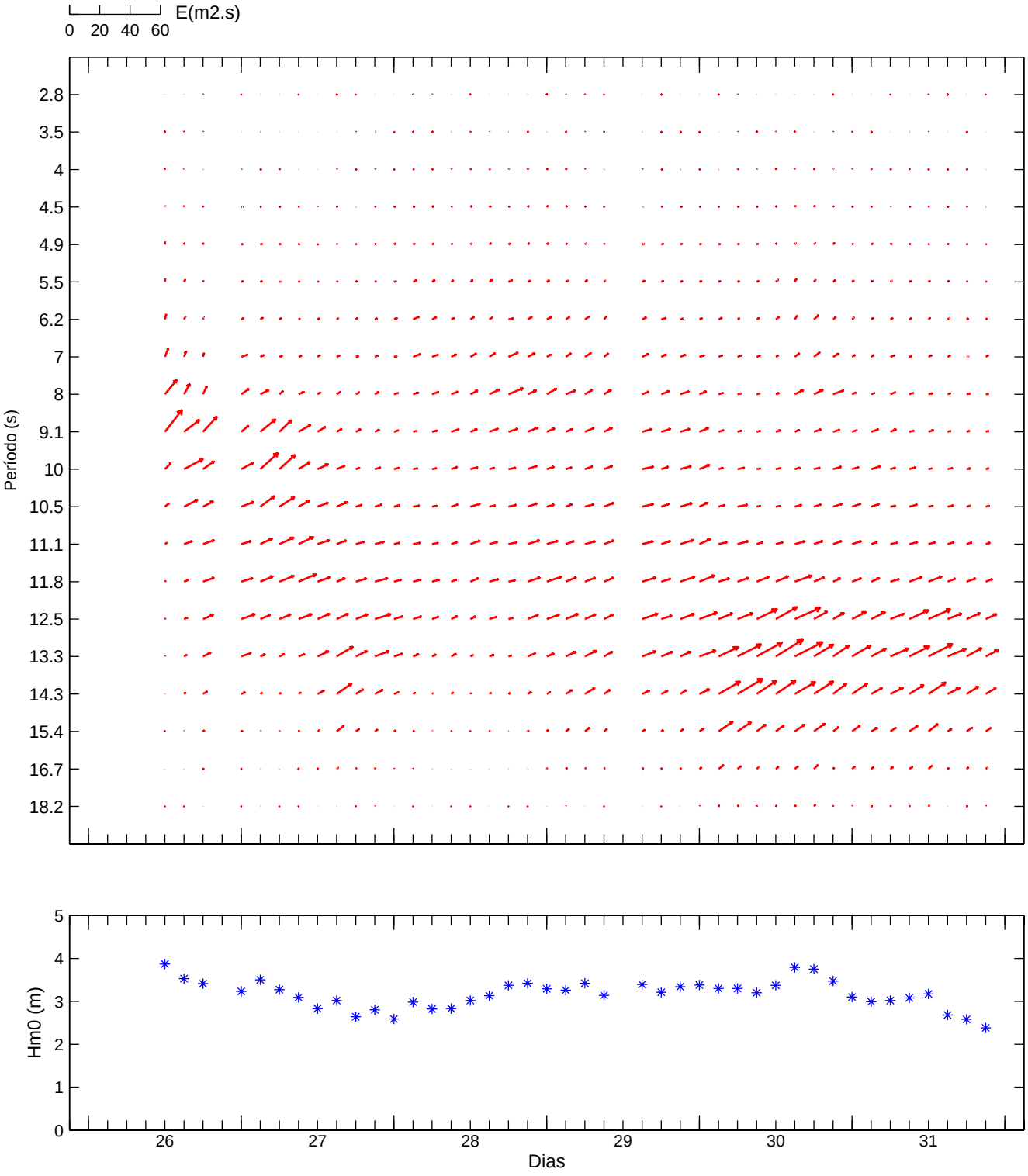
EVOLUÇÃO TEMPORAL DA DISTRIBUIÇÃO DE ENERGIA E DA DIRECÇÃO MÉDIA

POR BANDA DE FREQUÊNCIA − FLORES 2006 DEZ 21−25



EVOLUÇÃO TEMPORAL DA DISTRIBUIÇÃO DE ENERGIA E DA DIRECÇÃO MÉDIA

POR BANDA DE FREQUÊNCIA − FLORES 2006 DEZ 26−31

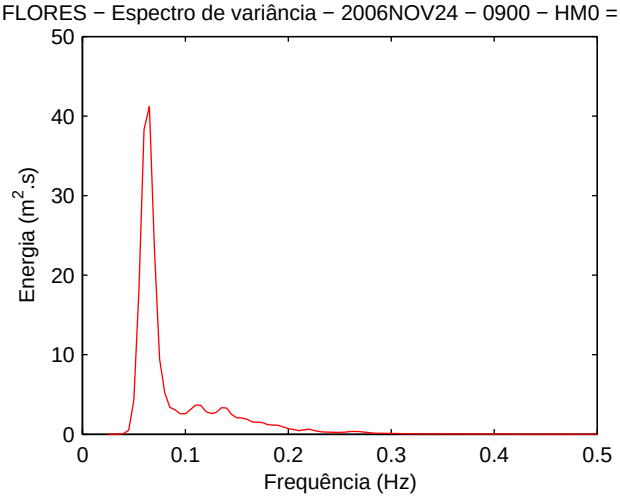


ANEXO H

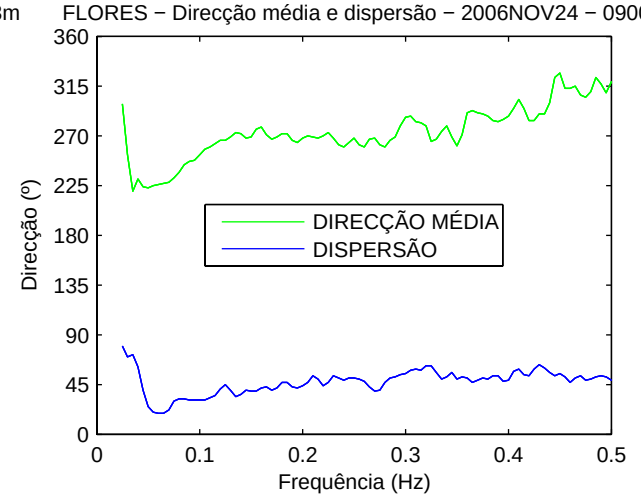
Gráficos de distribuição de energia, direcção média e dispersão,
para os registos em que HM0 ≥ 4.0metros

NOTA: No mês de Outubro não se verificaram nenhumas ocorrências de HM0 ≥ 4.0 metros.

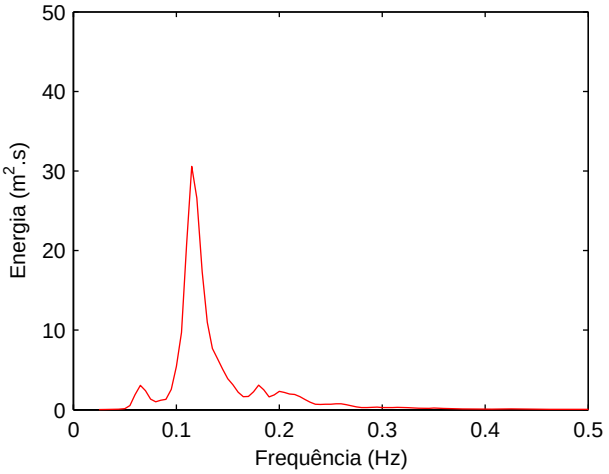
FLORES − Espectro de variância − 2006NOV24 − 0900 − HM0 = 4.03m



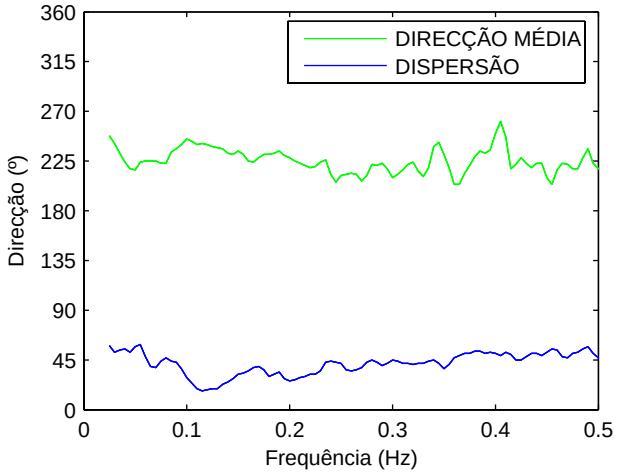
FLORES − Direcção média e dispersão − 2006NOV24 − 0900



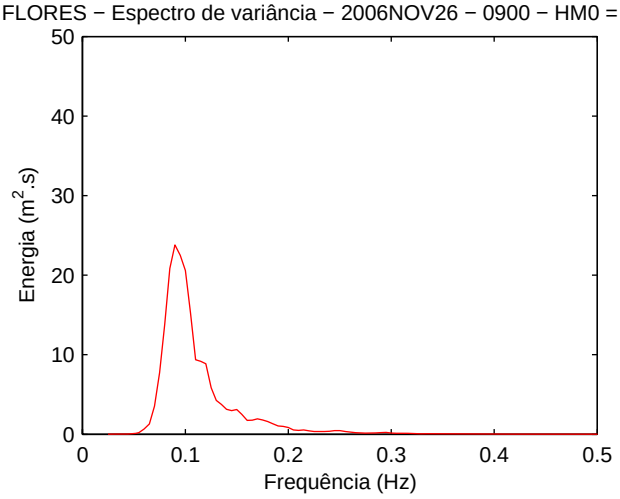
FLORES − Espectro de variância − 2006NOV25 − 2100 − HM0 = 4.04m



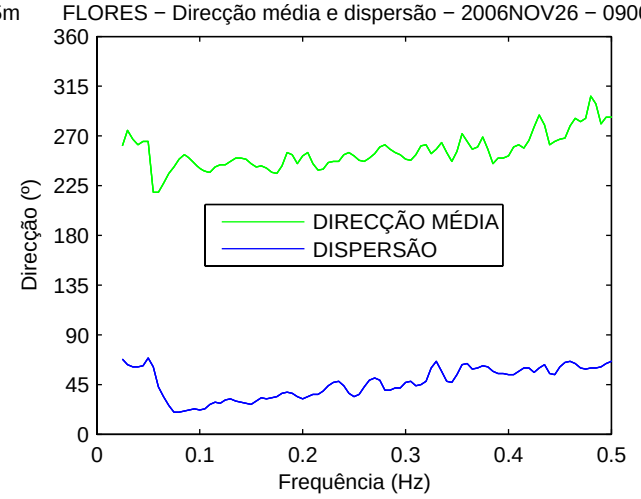
FLORES − Direcção média e dispersão − 2006NOV25 − 2100



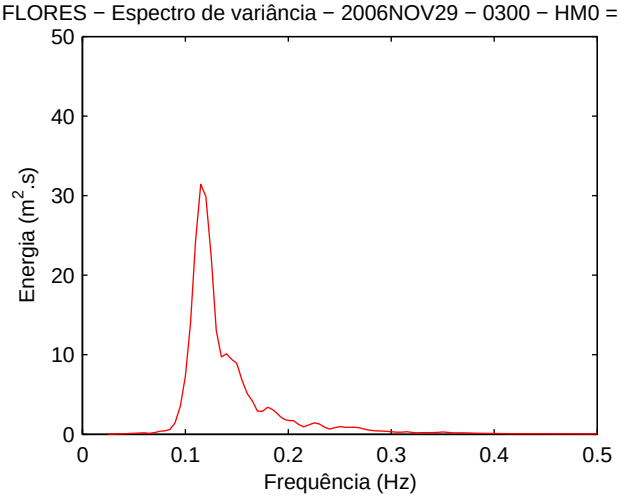
FLORES − Espectro de variância − 2006NOV26 − 0900 − HM0 = 4.05m



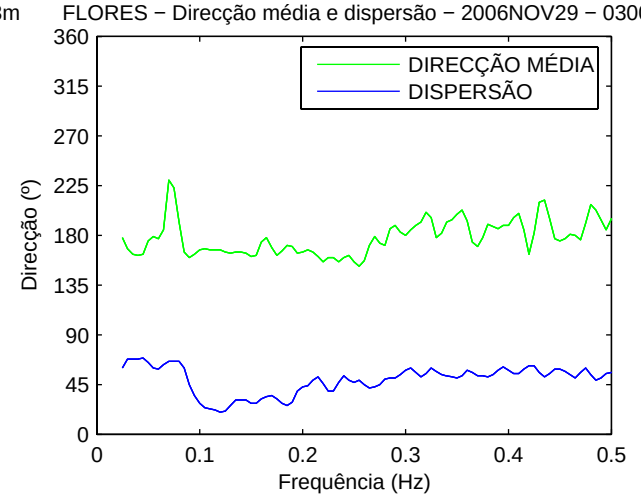
FLORES − Direcção média e dispersão − 2006NOV26 − 0900



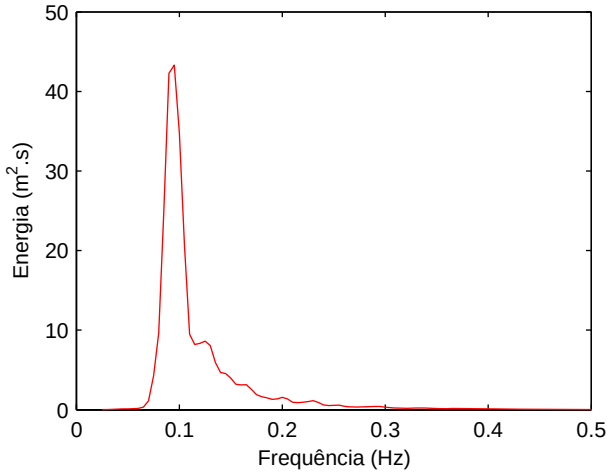
FLORES − Espectro de variância − 2006NOV29 − 0300 − HM0 = 4.43m



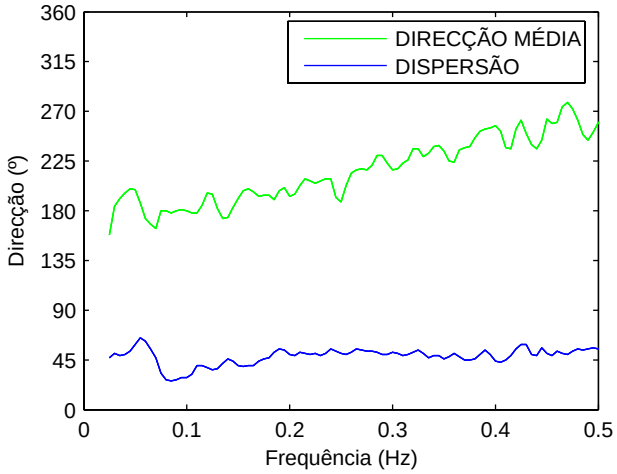
FLORES − Direcção média e dispersão − 2006NOV29 − 0300



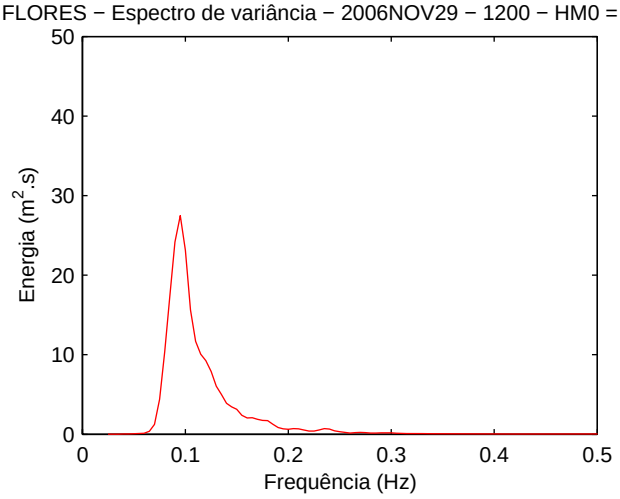
FLORES − Espectro de variância − 2006NOV29 − 1110 − HM0 = 4.75m



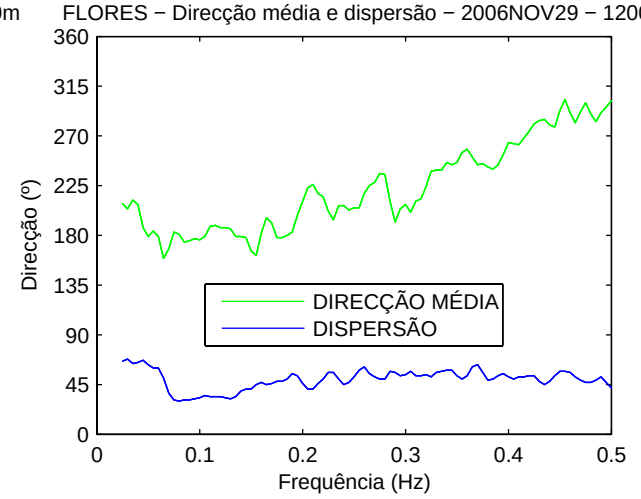
FLORES − Direcção média e dispersão − 2006NOV29 − 1110



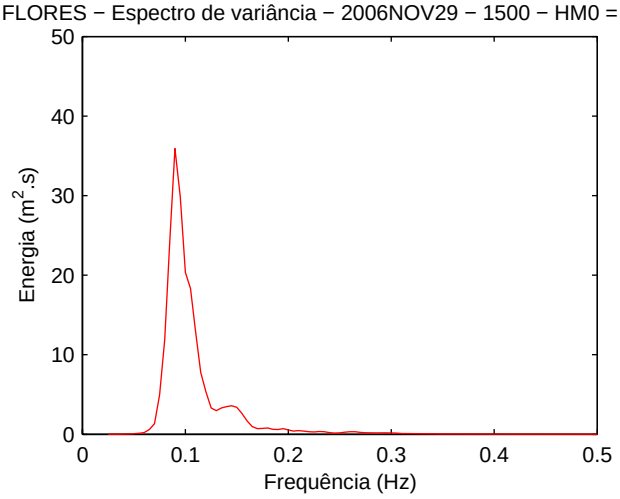
FLORES − Espectro de variância − 2006NOV29 − 1200 − HM0 = 4.10m



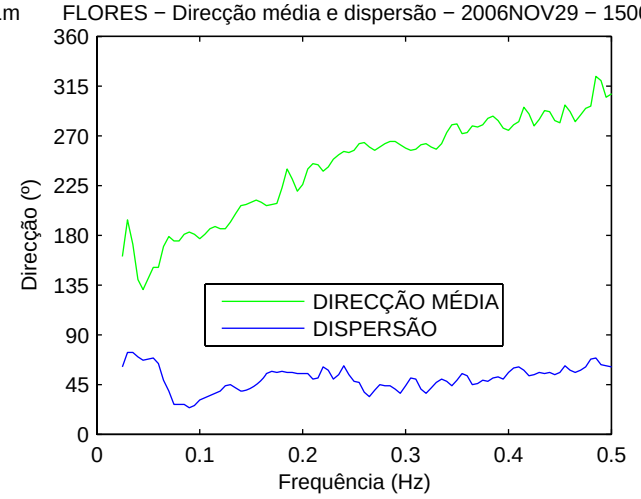
FLORES − Direcção média e dispersão − 2006NOV29 − 1200



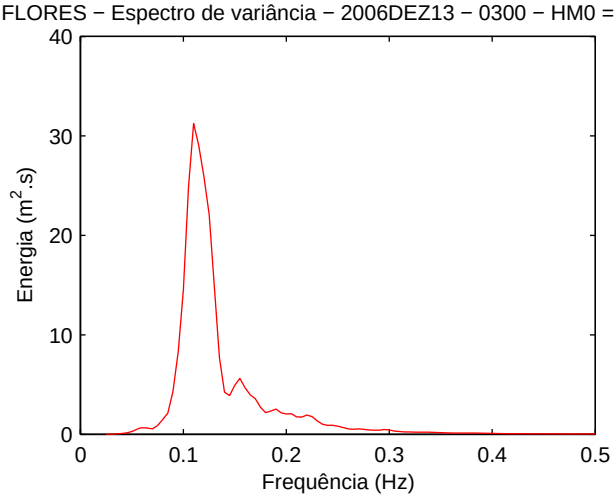
FLORES − Espectro de variância − 2006NOV29 − 1500 − HM0 = 4.11m



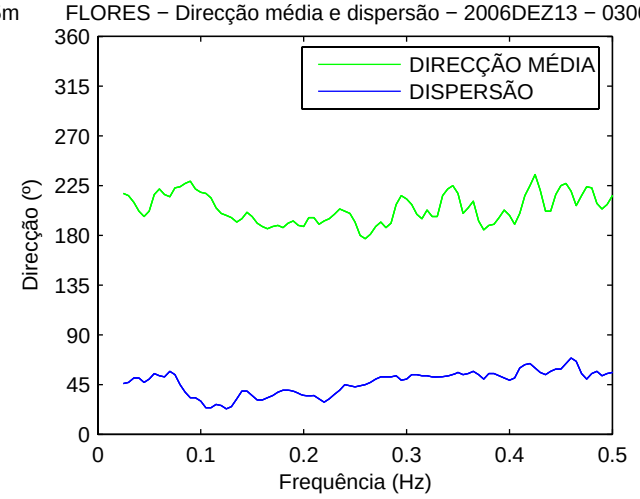
FLORES − Direcção média e dispersão − 2006NOV29 − 1500



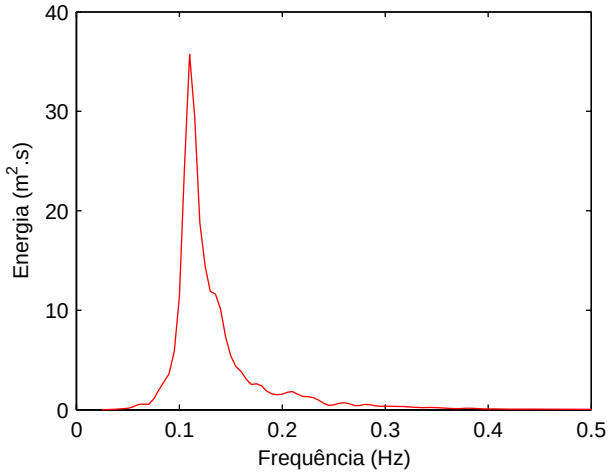
FLORES − Espectro de variância − 2006DEZ13 − 0300 − HM0 = 4.55m



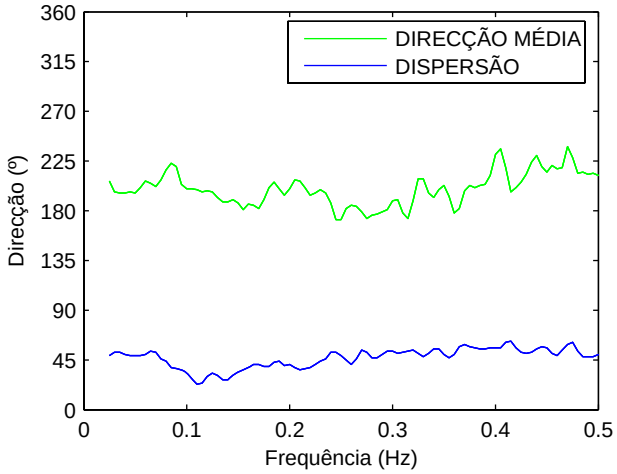
FLORES − Direcção média e dispersão − 2006DEZ13 − 0300



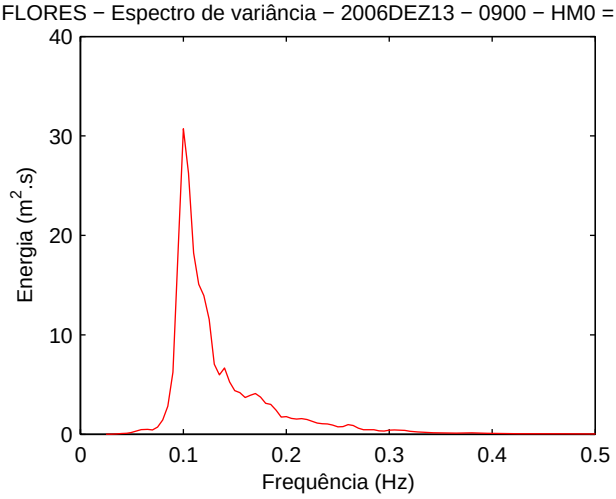
FLORES − Espectro de variância − 2006DEZ13 − 0600 − HM0 = 4.43m



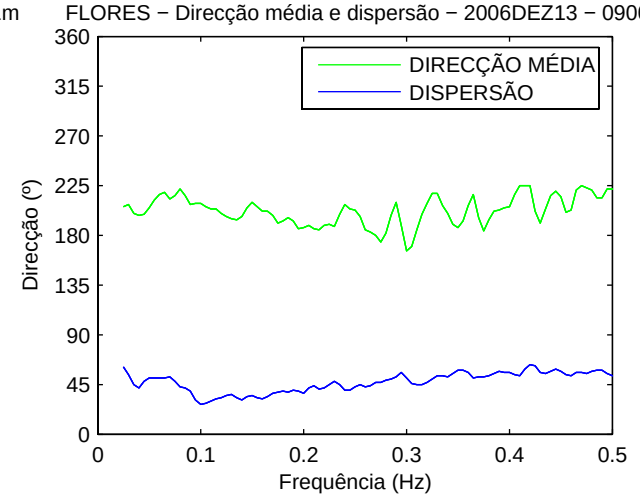
FLORES − Direcção média e dispersão − 2006DEZ13 − 0600



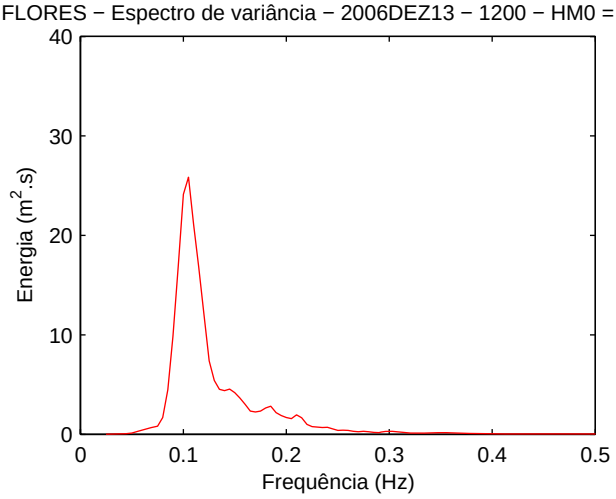
FLORES − Espectro de variância − 2006DEZ13 − 0900 − HM0 = 4.31m



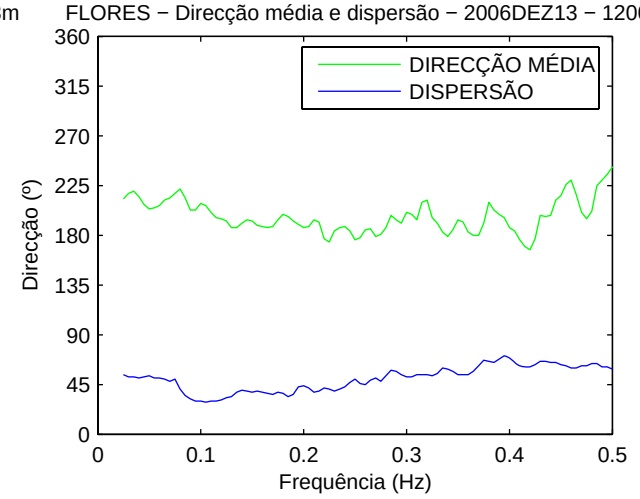
FLORES − Direcção média e dispersão − 2006DEZ13 − 0900



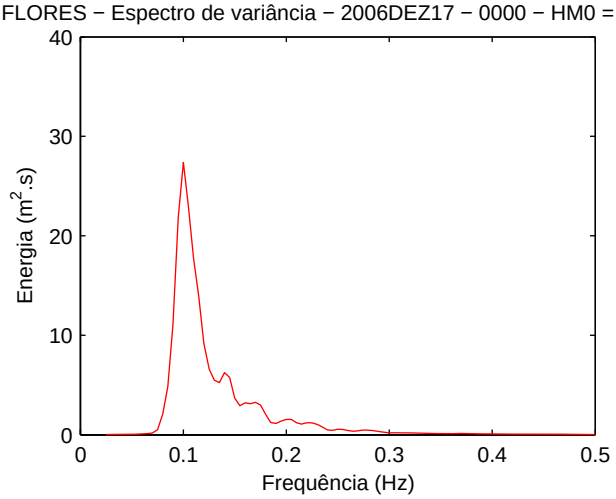
FLORES − Espectro de variância − 2006DEZ13 − 1200 − HM0 = 4.08m



FLORES − Direcção média e dispersão − 2006DEZ13 − 1200



FLORES − Espectro de variância − 2006DEZ17 − 0000 − HM0 = 4.05m



FLORES − Direcção média e dispersão − 2006DEZ17 − 0000