

Wind Frequency analysis using available data between Nov 2001 and Dec 2005 for Garden Island HSF

Site Number 009256 • Locality: Garden Island • Opened Nov 2001 • Still Open • Latitude 32°14'36"S • Longitude 115°41'02"E • Elevation 6m

Values are percentage frequencies; * indicates the range has occurred but with a frequency of less than 0.5%.

3 pm January

Calm		A total of 120 observations analysed								
km/h	N	NE	E	SE	S	SW	W	NW	All	
1-10										
11-20				2		4	1	1	8	
21-30				2		23	4	1	29	
>30					2	61		1	63	
All				3	2	87	5	2	100	

3 pm June

Calm 3		A total of 117 observations analysed								
km/h	N	NE	E	SE	S	SW	W	NW	All	
1-10		3	1	3	3	2	3	2	15	
11-20	6	9	3	3	3	3	1	3	30	
21-30	12	3		1	3	6	2	2	28	
>30	2				3	3	11	4	24	
All	20	14	3	6	14	15	16	10	100	

3 pm February

Calm		A total of 111 observations analysed								
km/h	N	NE	E	SE	S	SW	W	NW	All	
1-10				1			1		2	
11-20			1	3		8	7	1	20	
21-30			3	5	2	27	1		38	
>30					2	39			41	
All			4	9	4	74	9	1	100	

3 pm July

Calm		A total of 119 observations analysed								
km/h	N	NE	E	SE	S	SW	W	NW	All	
1-10	3	2		3	2	6	3	2	19	
11-20	7	3	5	3	3	2	5	7	34	
21-30	6	2	1		5	3	4	3	24	
>30	1				3	3	8	9	23	
All	17	6	6	6	12	13	19	21	100	

3 pm March

Calm		A total of 123 observations analysed								
km/h	N	NE	E	SE	S	SW	W	NW	All	
1-10				1		1			2	
11-20		2	4		2	12	8	2	30	
21-30		1	2		4	31	4	1	42	
>30					1	25			26	
All		2	6	1	7	69	12	3	100	

3 pm August

Calm		A total of 123 observations analysed								
km/h	N	NE	E	SE	S	SW	W	NW	All	
1-10	2				1	2	3	2	10	
11-20	1	1	2	2	2	15	7	6	34	
21-30	6		2		7	8	5	5	32	
>30	1			1	2	6	8	7	24	
All	9	1	3	2	11	31	24	19	100	

3 pm April

Calm		A total of 119 observations analysed								
km/h	N	NE	E	SE	S	SW	W	NW	All	
1-10				1		1	3	1	6	
11-20	2	3	4	3	4	16	6	6	44	
21-30	3		3	3	3	22	3	1	38	
>30					3	7	2	1	13	
All	4	3	7	8	11	45	14	8	100	

3 pm September

Calm		A total of 119 observations analysed								
km/h	N	NE	E	SE	S	SW	W	NW	All	
1-10						3			3	
11-20	2	2		2	2	13	10	7	37	
21-30	2		1		1	14	8	6	31	
>30	2				6	8	8	5	29	
All	5	2	1	2	8	39	26	18	100	

3 pm May

Calm 1		A total of 121 observations analysed								
km/h	N	NE	E	SE	S	SW	W	NW	All	
1-10		1	1	2	2	2	3	2	14	
11-20	3	5	5	3	4	7	2	7	37	
21-30	11	2		2	9	2	4	2	32	
>30	2				3	3	2	4	16	
All	17	7	6	8	19	14	12	16	100	

3 pm October

Calm		A total of 122 observations analysed								
km/h	N	NE	E	SE	S	SW	W	NW	All	
1-10						2	1		2	
11-20			2	2	1	7	10	2	22	
21-30	2		1	1	2	28	7	5	45	
>30	1				3	20	3	2	30	
All	3		2	2	6	57	20	9	100	



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3 pm November

Calm		A total of 135 observations analysed								
km/h	N	NE	E	SE	S	SW	W	NW	All	
1-10										
11-20		1	2	1	1	4	4	2	14	
21-30			2	2	1	22	1	3	33	
>30					1	48	3	1	53	
All		1	4	3	3	74	8	7	100	

6 pm April

Calm 2		A total of 119 observations analysed								
km/h	N	NE	E	SE	S	SW	W	NW	All	
1-10	1	1				2	1		4	
11-20	3	3	7	3	6	8	3	2	33	
21-30	1		2	3	24	8	2	3	41	
>30			1	2	10	6	2		20	
All	4	4	9	7	40	23	7	4	100	

3 pm December

Calm		A total of 133 observations analysed								
km/h	N	NE	E	SE	S	SW	W	NW	All	
1-10										
11-20	1	1	1	3	1	8	2		17	
21-30			4	1	2	18	5	1	31	
>30				2	1	47	2	1	53	
All	1	1	5	5	4	74	10	2	100	

6 pm May

Calm 3		A total of 120 observations analysed								
km/h	N	NE	E	SE	S	SW	W	NW	All	
1-10	4	3	1	1	5	2	1	2	18	
11-20	4	2	4	8	5	7	3	3	36	
21-30	4		1	2	15		3	7	31	
>30	1				3	3	3	3	13	
All	13	4	6	10	28	11	10	15	100	

6 pm January

Calm 1		A total of 121 observations analysed								
km/h	N	NE	E	SE	S	SW	W	NW	All	
1-10										
11-20			1			2	1	1	5	
21-30				2	7	7	3	1	21	
>30				1	21	51		1	74	
All			1	3	27	61	4	2	100	

6 pm June

Calm 2		A total of 115 observations analysed								
km/h	N	NE	E	SE	S	SW	W	NW	All	
1-10	3	3		3	1	2		2	14	
11-20	4	7	5	6	7	1	2		32	
21-30	7	3			7	3	4	4	29	
>30	3				3	6	7	4	23	
All	17	13	5	10	18	12	13	10	100	

6 pm February

Calm		A total of 113 observations analysed								
km/h	N	NE	E	SE	S	SW	W	NW	All	
1-10	1				1		1		3	
11-20					2	7	1	1	11	
21-30			2	5	7	17	1	1	33	
>30				3	19	32			54	
All	1		2	8	29	56	3	2	100	

6 pm July

Calm 4		A total of 121 observations analysed								
km/h	N	NE	E	SE	S	SW	W	NW	All	
1-10	3	1	3	2	2	1	3	2	19	
11-20	6	2	7	3	7	2	4	3	35	
21-30	2	1	1	1	4	5	4	6	23	
>30	2				2	4	7	4	19	
All	12	4	11	7	16	12	18	16	100	

6 pm March

Calm 1		A total of 124 observations analysed								
km/h	N	NE	E	SE	S	SW	W	NW	All	
1-10	1		1		1				2	
11-20		1	2	1	3	3	6		16	
21-30	1	1	2	2	16	20			43	
>30					18	20			38	
All	2	2	6	3	38	44	6		100	

6 pm August

Calm		A total of 122 observations analysed								
km/h	N	NE	E	SE	S	SW	W	NW	All	
1-10	2	2			1	3	2	1	10	
11-20	1		2	2	8	12	3	2	31	
21-30	4	1	1	2	15	1	7	4	34	
>30					7	4	7	7	25	
All	7	2	3	4	30	20	19	14	100	

