

# Wind Frequency analysis using available data between Nov 2001 and Nov 2010 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

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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 274 observations analysed								
km/h	N	NE	E	SE	S	SW	W	NW	All	
1-10										
11-20			1	1	1	4	1	1	10	
21-30			*	1	1	28	3	*	34	
>30				1	2	52		1	56	
All			1	4	4	84	4	3	100	

### 3 pm June

Calm 2		A total of 267 observations analysed								
km/h	N	NE	E	SE	S	SW	W	NW	All	
1-10	*	2	1	2	2	2	3	1	15	
11-20	5	6	5	7	4	3	2	5	37	
21-30	9	1	1	3	5	4	1	2	27	
>30	2	*			1	4	8	3	19	
All	17	10	7	11	13	13	15	12	100	

### 3 pm February

Calm *		A total of 252 observations analysed								
km/h	N	NE	E	SE	S	SW	W	NW	All	
1-10		*		1	*		*		2	
11-20		2	2	2	1	7	4	2	20	
21-30		*	5	4	2	26	3	1	41	
>30					1	35	*		36	
All		3	6	8	4	68	8	3	100	

### 3 pm July

Calm 1		A total of 274 observations analysed								
km/h	N	NE	E	SE	S	SW	W	NW	All	
1-10	2	2	*	1	3	4	2	1	16	
11-20	6	3	3	3	6	3	4	8	34	
21-30	8	1	*	1	5	3	5	4	27	
>30	1				2	3	10	6	21	
All	17	6	3	5	16	12	20	20	100	

### 3 pm March

Calm		A total of 278 observations analysed								
km/h	N	NE	E	SE	S	SW	W	NW	All	
1-10				1		1	1		3	
11-20		1	4	3	2	13	8	3	33	
21-30		*	1	1	3	29	2	1	38	
>30					1	23	1		26	
All		1	5	5	6	67	12	3	100	

### 3 pm August

Calm *		A total of 278 observations analysed								
km/h	N	NE	E	SE	S	SW	W	NW	All	
1-10	1	*			1	3	3	3	10	
11-20	3	2	2	1	3	10	7	9	37	
21-30	6	*	2	1	6	7	5	5	33	
>30	1			*	3	4	6	4	19	
All	11	3	4	2	13	25	21	21	100	

### 3 pm April

Calm *		A total of 269 observations analysed								
km/h	N	NE	E	SE	S	SW	W	NW	All	
1-10			*	1		3	2	*	7	
11-20	1	2	3	4	3	17	7	4	40	
21-30	1		1	2	3	23	3	3	36	
>30					3	11	1	2	17	
All	2	2	4	7	10	53	12	9	100	

### 3 pm September

Calm		A total of 269 observations analysed								
km/h	N	NE	E	SE	S	SW	W	NW	All	
1-10			*		*	1	1	1	4	
11-20	2	1	1	1	2	14	9	8	38	
21-30	1		1	1	2	14	6	5	30	
>30	1				4	9	9	6	28	
All	4	1	3	2	8	39	23	19	100	

### 3 pm May

Calm 1		A total of 276 observations analysed								
km/h	N	NE	E	SE	S	SW	W	NW	All	
1-10		1	1	3	2	1	3	3	13	
11-20	5	4	4	3	4	11	5	6	42	
21-30	5	1		2	10	7	4	3	30	
>30	1				4	4	3	2	13	
All	12	5	5	8	20	22	14	13	100	

### 3 pm October

Calm		A total of 277 observations analysed								
km/h	N	NE	E	SE	S	SW	W	NW	All	
1-10					*	1	1	1	3	
11-20		*	1	2	1	9	6	3	24	
21-30	1		*	1	1	27	5	3	39	
>30	*		*		4	25	4	1	35	
All	2	*	2	4	7	62	15	8	100	



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### 3 pm November

Calm		A total of 284 observations analysed								
km/h	N	NE	E	SE	S	SW	W	NW	All	
1-10				*			*		1	
11-20	1	*	2	1	1	7	5	2	20	
21-30		*	2	2	2	26	3	3	38	
>30					1	37	2	1	41	
All	1	1	4	3	4	70	11	6	100	

### 3 pm December

Calm		A total of 277 observations analysed								
km/h	N	NE	E	SE	S	SW	W	NW	All	
1-10								*	*	
11-20	*	*	1	2	1	11	1	*	17	
21-30			3	1	2	22	4	1	32	
>30				1	*	47	1	1	50	
All	*	*	4	3	3	79	7	3	100	

### 6 pm January

Calm *		A total of 275 observations analysed								
km/h	N	NE	E	SE	S	SW	W	NW	All	
1-10						*			*	
11-20			1	1	1	3	1	*	8	
21-30				3	6	12	2	*	23	
>30				1	17	49	*	*	68	
All			1	4	25	65	3	1	100	

### 6 pm February

Calm		A total of 254 observations analysed								
km/h	N	NE	E	SE	S	SW	W	NW	All	
1-10	*				*	*	*		2	
11-20	*	*	2	1	2	4	1	1	12	
21-30			4	3	7	20	2	1	38	
>30				2	14	31	1		48	
All	1	*	6	7	24	56	4	2	100	

### 6 pm March

Calm *		A total of 279 observations analysed								
km/h	N	NE	E	SE	S	SW	W	NW	All	
1-10	*	*	*	1	1	*	*		4	
11-20		*	3	*	3	6	3		16	
21-30	*	*	3	4	13	21	1		42	
>30				1	18	19	*		38	
All	1	1	6	6	34	47	5		100	

### 6 pm April

Calm 2		A total of 267 observations analysed								
km/h	N	NE	E	SE	S	SW	W	NW	All	
1-10	1	*		*	1	1	1		5	
11-20	2	1	6	2	7	9	3	1	32	
21-30	1		1	2	22	8	2	2	37	
>30			*	1	14	7	1	1	24	
All	3	2	7	6	44	24	7	4	100	

### 6 pm May

Calm 2		A total of 275 observations analysed								
km/h	N	NE	E	SE	S	SW	W	NW	All	
1-10	4	3	1	1	4	1	1	1	15	
11-20	3	2	4	6	10	6	3	3	36	
21-30	3		*	2	19	1	3	4	33	
>30	*				6	3	3	2	13	
All	11	4	5	10	38	11	9	9	100	

### 6 pm June

Calm 2		A total of 265 observations analysed								
km/h	N	NE	E	SE	S	SW	W	NW	All	
1-10	2	2	1	3	2	2	*	1	14	
11-20	5	4	8	11	8	2	2	2	41	
21-30	3	2	1	1	6	4	3	4	25	
>30	2				3	5	5	4	18	
All	13	8	10	14	19	13	10	11	100	

### 6 pm July

Calm 5		A total of 276 observations analysed								
km/h	N	NE	E	SE	S	SW	W	NW	All	
1-10	4	*	3	2	2	1	2	3	17	
11-20	6	3	3	5	9	2	3	2	33	
21-30	2	*	1	1	7	4	4	7	25	
>30	2			*	2	4	8	4	20	
All	14	3	7	9	19	12	17	15	100	

### 6 pm August

Calm 1		A total of 277 observations analysed								
km/h	N	NE	E	SE	S	SW	W	NW	All	
1-10	1	1	*	1	2	3	1	1	10	
11-20	2	1	4	3	9	10	3	4	36	
21-30	4	*	1	1	14	3	6	4	32	
>30	*			*	4	4	5	6	20	
All	7	3	5	5	29	19	16	15	100	

