

Appendix B

Meteorological and Climatic Data for the Project Vicinity
prepared by EcOz Environmental Services



A-1 Meteorological Data Available from Channel Point Weather Station Between 1994 and 2004

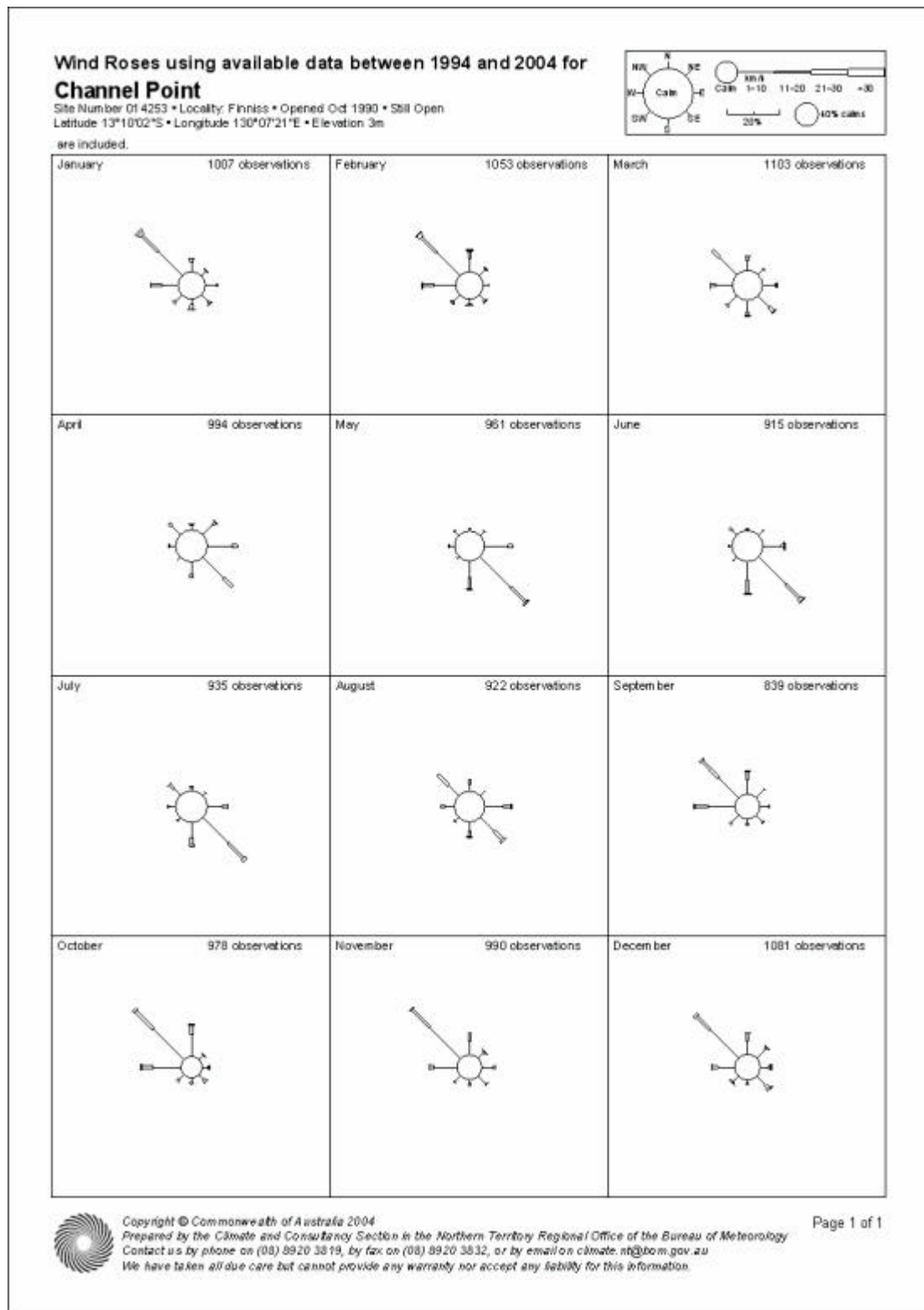


Figure A1-1. Typical Monthly Wind Roses for the Coastal Western Region of Channel Point (using data recorded from Channel Point Weather Station Between 1994 and 2004).

Wind Frequency analysis using available data between 1994 and 2004 for

Channel Point

Site Number 014253 • Locality: Finiss • Opened Oct 1990 • Still Open • Latitude 13°10'02"S • Longitude 130°07'21"E • Elevation 3m are included.

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

January

Calm 41 A total of 1007 observations analysed										
km/h	N	NE	E	SE	S	SW	W	NW	All	
1-10	4	2	4	4	2	3	6	13	38	
11-20	1	*	1	1	2	1	4	8	18	
21-30	*	*		*	*	*	*	1	2	
>30					*			1	1	
All	5	3	5	5	4	4	10	23	100	

February

Calm 41 A total of 1053 observations analysed										
km/h	N	NE	E	SE	S	SW	W	NW	All	
1-10	5	3	2	3	2	3	8	12	38	
11-20	3	*	*	*	*	1	4	8	17	
21-30	*	*		*	*	*	1	2	4	
>30	*				*			*	1	
All	8	4	2	3	2	4	13	22	100	

March

Calm 45 A total of 1103 observations analysed										
km/h	N	NE	E	SE	S	SW	W	NW	All	
1-10	3	3	5	6	4	5	6	9	42	
11-20	2	*	*	2	1	1	2	3	12	
21-30	*		*	*	*	*	*	*	1	
>30										
All	5	3	5	9	6	5	8	13	100	

April

Calm 48 A total of 994 observations analysed										
km/h	N	NE	E	SE	S	SW	W	NW	All	
1-10	2	5	9	11	5	2	2	5	40	
11-20	1	1	2	5	2		1	1	12	
21-30	*	*							*	
>30										
All	2	7	11	15	6	2	3	6	100	

May

Calm 45 A total of 961 observations analysed										
km/h	N	NE	E	SE	S	SW	W	NW	All	
1-10	1	2	9	16	6	1	2	2	39	
11-20	*	*	2	8	4	*	*	*	15	
21-30				1	*				1	
>30				*					*	
All	1	2	11	25	11	1	2	3	100	

June

Calm 47 A total of 915 observations analysed										
km/h	N	NE	E	SE	S	SW	W	NW	All	
1-10	*	3	7	14	7	2	1	3	36	
11-20	*	*	1	8	5	*	*	1	15	
21-30			*	1	*				2	
>30			*	*	*				1	
All	1	3	8	23	12	2	1	3	100	

July

Calm 48 A total of 935 observations analysed										
km/h	N	NE	E	SE	S	SW	W	NW	All	
1-10	1	1	5	13	6	1	3	3	34	
11-20	1	*	2	8	3	*	*	2	16	
21-30			*	1	1			*	2	
>30										
All	2	1	7	22	9	2	3	6	100	

August

Calm 46 A total of 922 observations analysed										
km/h	N	NE	E	SE	S	SW	W	NW	All	
1-10	3	3	7	7	4	2	3	6	34	
11-20	2		3	4	2	*	2	6	18	
21-30			*	1	1				2	
>30				*					*	
All	4	3	10	12	6	2	5	11	100	

September

Calm 38 A total of 839 observations analysed										
km/h	N	NE	E	SE	S	SW	W	NW	All	
1-10	5	4	3	3	1	4	10	10	42	
11-20	3	*	*	*	1	1	5	9	20	
21-30	*						*	*	1	
>30										
All	9	5	3	4	2	5	15	20	100	

October

Calm 32 A total of 978 observations analysed										
km/h	N	NE	E	SE	S	SW	W	NW	All	
1-10	8	2	2	3	2	2	10	16	45	
11-20	4	*	1	1	1	1	4	9	20	
21-30	*	*	*	*			*	1	2	
>30										
All	12	2	3	4	2	3	15	27	100	

November

Calm 37 A total of 990 observations analysed										
km/h	N	NE	E	SE	S	SW	W	NW	All	
1-10	5	3	4	4	2	3	8	17	45	
11-20	3	1	1	*	1	1	2	9	17	
21-30	*	*	*	*			*	*	1	
>30	*								*	
All	8	4	5	4	2	4	10	26	100	

December

Calm 39 A total of 1081 observations analysed										
km/h	N	NE	E	SE	S	SW	W	NW	All	
1-10	5	4	3	4	1	2	6	15	41	
11-20	3	1	1	2	*	1	2	7	17	
21-30	*	*	*	*		*	*	1	2	
>30		*		*		*			1	
All	8	6	4	7	2	3	9	23	100	



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Figure A1-2. Analysis of Wind Frequency for the Coastal Western Region at Channel Point
(using data recorded from Channel Point Weather Station Between 1994 and 2004).

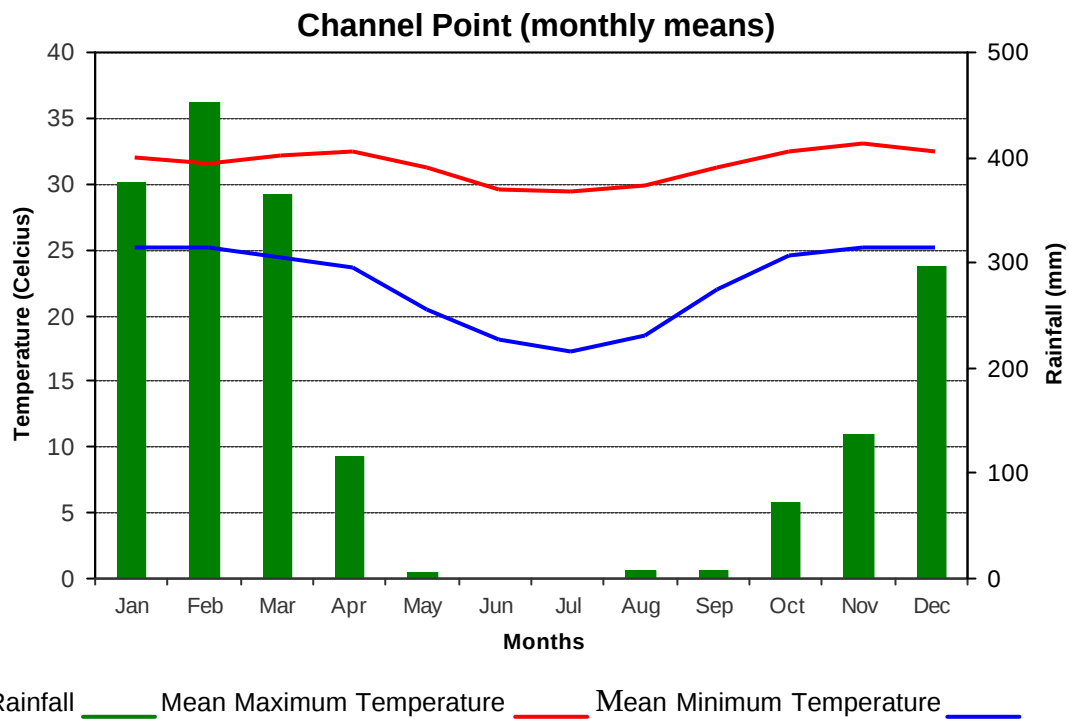


Figure A1-3. Monthly Means for Temperature and Rainfall for the Coastal Western Region at Channel Point

(using data recorded from Channel Point Weather Station Between 1994 and 2004).

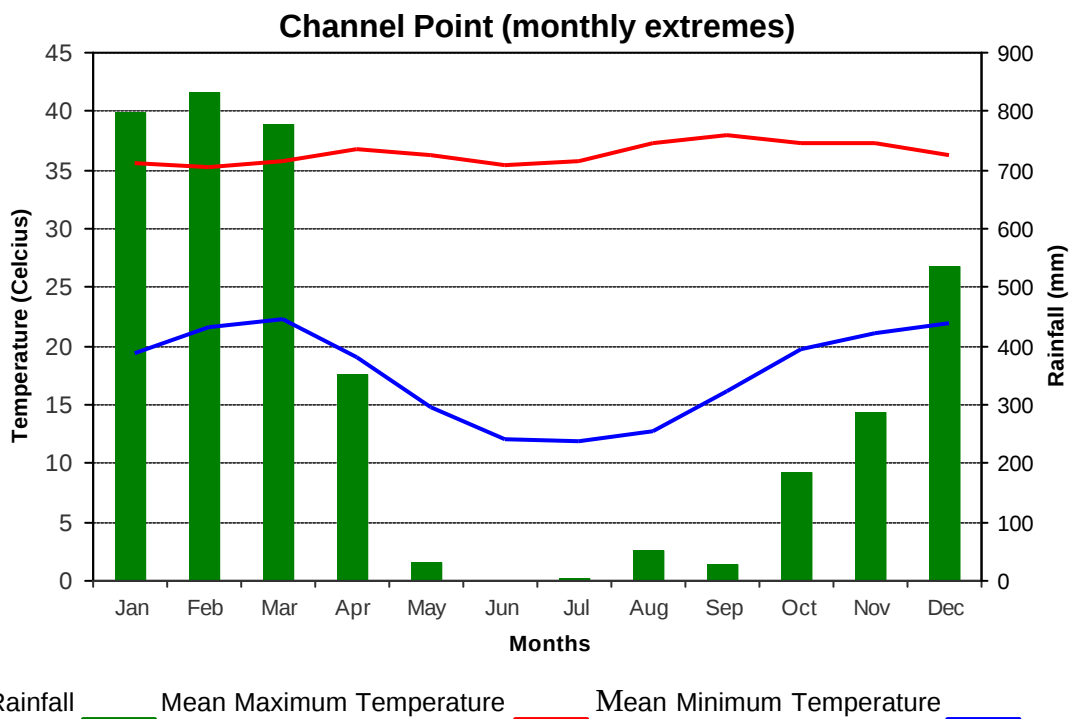


Figure A1-4. Monthly Maximum Means for Temperature and Rainfall for the Coastal Western Region at Channel Point

(using data recorded from Channel Point Weather Station Between 1994 and 2004).

A-2 Meteorological Data Available from Mango Farm Weather Station between 1980 and 2004

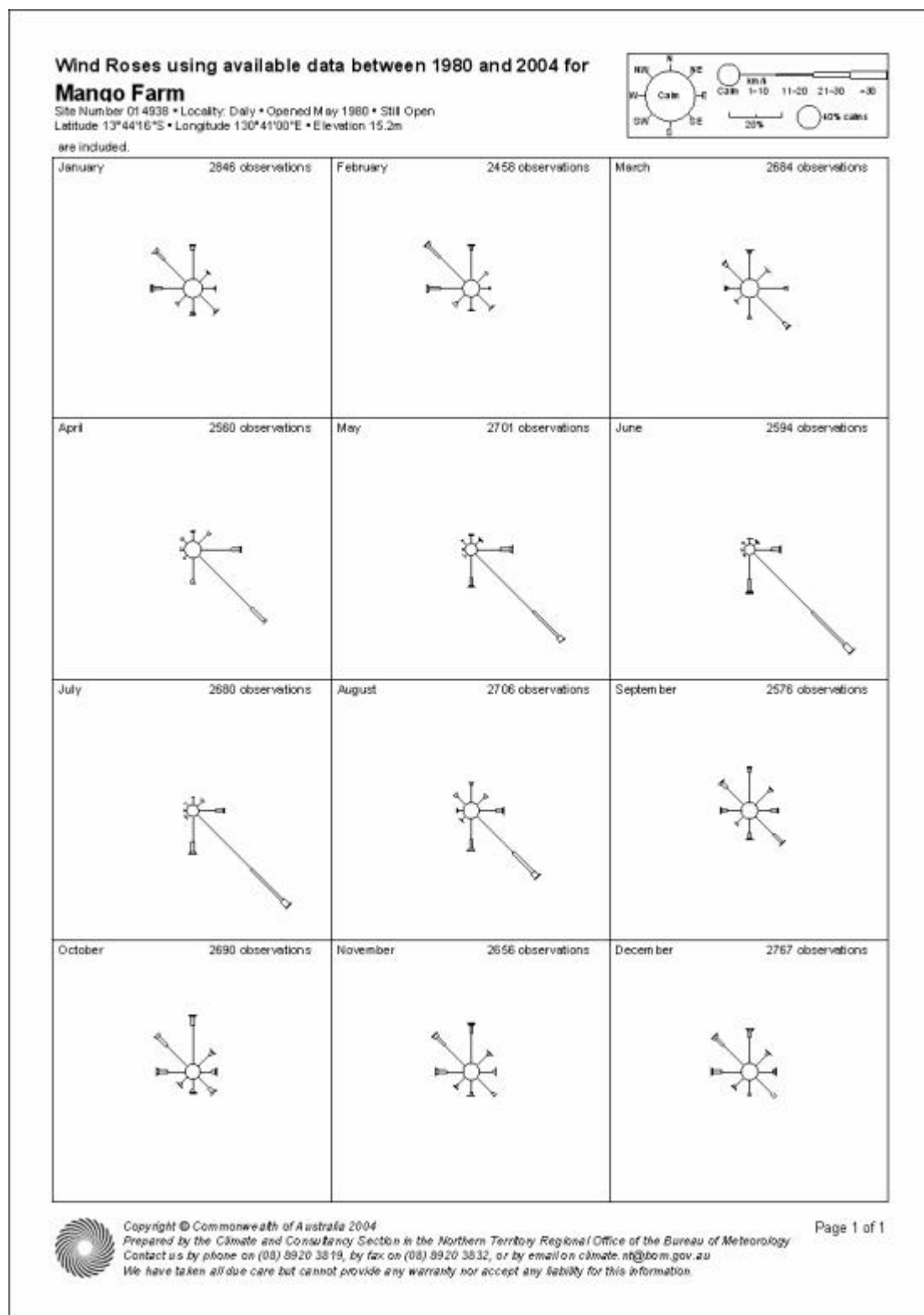


Figure A2-1. Monthly Wind Roses for the Inland Western Region for Mango Farm
(compiled using data recorded from the Mango Farm weather station between 1980 and 2004).

Wind Frequency analysis using available data between 1980 and 2004 for**Mango Farm**

Site Number 014938 • Locality: Daly • Opened May 1980 • Still Open • Latitude 13°44'16"S • Longitude 130°41'00"E • Elevation 15.2m are included.

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

January

Calm 29		A total of 2646 observations analysed								
km/h	N	NE	E	SE	S	SW	W	NW	All	
1-10	11	4	4	8	5	4	8	12	55	
11-20	2	*	*	1	1	1	3	4	12	
21-30	*	*	*	*	*	*	1	1	3	
>30				*			*	*	*	
All	13	5	5	9	6	5	12	17	100	

February

Calm 26		A total of 2458 observations analysed								
km/h	N	NE	E	SE	S	SW	W	NW	All	
1-10	11	5	4	7	5	4	8	13	56	
11-20	2	*	*	1	*	1	4	6	15	
21-30	*				*	*	1	1	2	
>30	*			*	*	*	*	*	1	
All	13	5	4	7	5	6	14	20	100	

March

Calm 28		A total of 2684 observations analysed								
km/h	N	NE	E	SE	S	SW	W	NW	All	
1-10	9	5	9	14	7	3	5	8	61	
11-20	1	1	1	2	1	*	1	2	9	
21-30	*	*	*	*	*	*	*	*	1	
>30	*	*	*	*	*	*	*	*	*	
All	11	6	11	17	8	4	6	10	100	

April

Calm 25		A total of 2560 observations analysed								
km/h	N	NE	E	SE	S	SW	W	NW	All	
1-10	3	5	11	28	8	1	1	2	60	
11-20	*	1	3	7	1	*	*	*	13	
21-30	*	*	*	1	*				1	
>30										
All	4	6	15	35	9	1	1	3	100	

May

Calm 19		A total of 2701 observations analysed								
km/h	N	NE	E	SE	S	SW	W	NW	All	
1-10	3	2	8	30	8	1	1	2	56	
11-20	*	1	4	13	3	*	*	*	21	
21-30	*	*	1	2	*	*			3	
>30			*	*	*				*	
All	3	3	13	46	12	1	1	2	100	

June

Calm 17		A total of 2594 observations analysed								
km/h	N	NE	E	SE	S	SW	W	NW	All	
1-10	2	2	6	31	9	1	1	1	52	
11-20	*	1	3	17	5	*	*	*	26	
21-30	*	*	*	4	1				5	
>30			*	*	*				*	
All	2	2	10	52	14	1	1	2	100	

July

Calm 19		A total of 2680 observations analysed								
km/h	N	NE	E	SE	S	SW	W	NW	All	
1-10	2	2	6	28	9	1	1	2	52	
11-20	*	*	3	17	4	*	*	*	24	
21-30	*	*	*	3	1	*			4	
>30				*	*				*	
All	3	3	9	48	14	1	1	2	100	

August

Calm 24		A total of 2706 observations analysed								
km/h	N	NE	E	SE	S	SW	W	NW	All	
1-10	7	4	6	19	8	2	2	4	52	
11-20	*	1	3	11	4	*	*	1	20	
21-30	*	*	*	2	1	*	*	*	3	
>30			*	*	*	*			1	
All	7	5	9	32	12	2	2	6	100	

September

Calm 25		A total of 2576 observations analysed								
km/h	N	NE	E	SE	S	SW	W	NW	All	
1-10	11	7	5	10	5	3	5	9	55	
11-20	2	1	2	4	2	1	2	3	17	
21-30	*	*	*	*	*	*	1	1	2	
>30				*	*		*	*	*	
All	13	8	8	14	8	4	8	12	100	

October

Calm 23		A total of 2690 observations analysed								
km/h	N	NE	E	SE	S	SW	W	NW	All	
1-10	14	6	4	6	4	3	6	11	54	
11-20	3	2	1	2	1	1	4	5	19	
21-30	"	"	"	"	"	"	1	1	4	
>30	"	"	"	"	"	"	"	"	"	
All	18	8	6	8	5	4	11	16	100	

November

Calm 25		A total of 2656 observations analysed								
km/h	N	NE	E	SE	S	SW	W	NW	All	
1-10	11	6	5	8	5	4	6	11	56	
11-20	3	1	1	1	1	1	3	4	16	
21-30	1	*	*	*	*	*	1	1	3	
>30	*	*	*	*	*	*	*	*	*	
All	15	7	6	9	6	5	10	16	100	

December

Calm 25		A total of 2767 observations analysed								
km/h	N	NE	E	SE	S	SW	W	NW	All	
1-10	9	5	5	9	5	4	7	11	56	
11-20	2	1	1	2	1	1	3	4	15	
21-30	1	*	*			*	*	1	3	
>30	*	*	*			*	*	*	1	
All	13	7	7	10	6	5	11	16	100	



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Figure A2-2. Analysis of Wind Frequency for the Inland Western Region at Mango Farm
(compiled using data recorded from the Mango Farm weather station between 1980 and 2004).

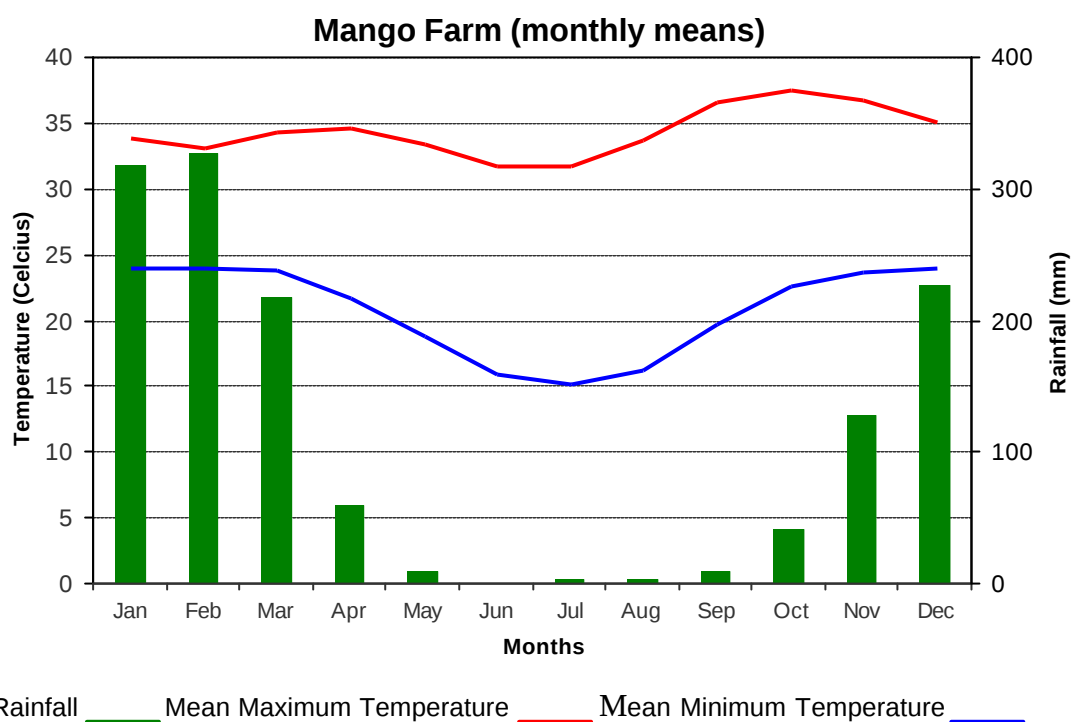


Figure A2-3. Monthly Means for Temperature and Rainfall for the Inland Western Region at Mango Farm

(compiled using data recorded from the Mango Farm weather station between 1980 and 2004).

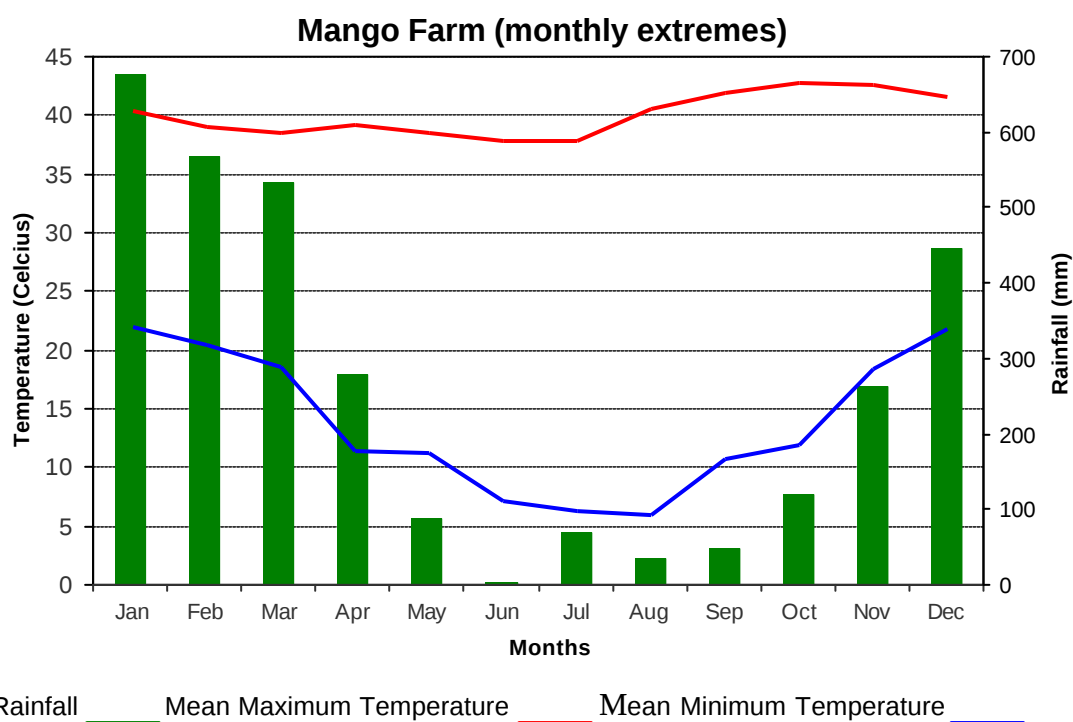


Figure A2-4. Monthly Maximum Means for Temperature and Rainfall for the Inland Western Region at Mango Farm

(compiled using data recorded from the Mango Farm weather station between 1980 and 2004).

A-3 Meteorological Data Available from Timber Creek Weather Station between 1981 and 2004

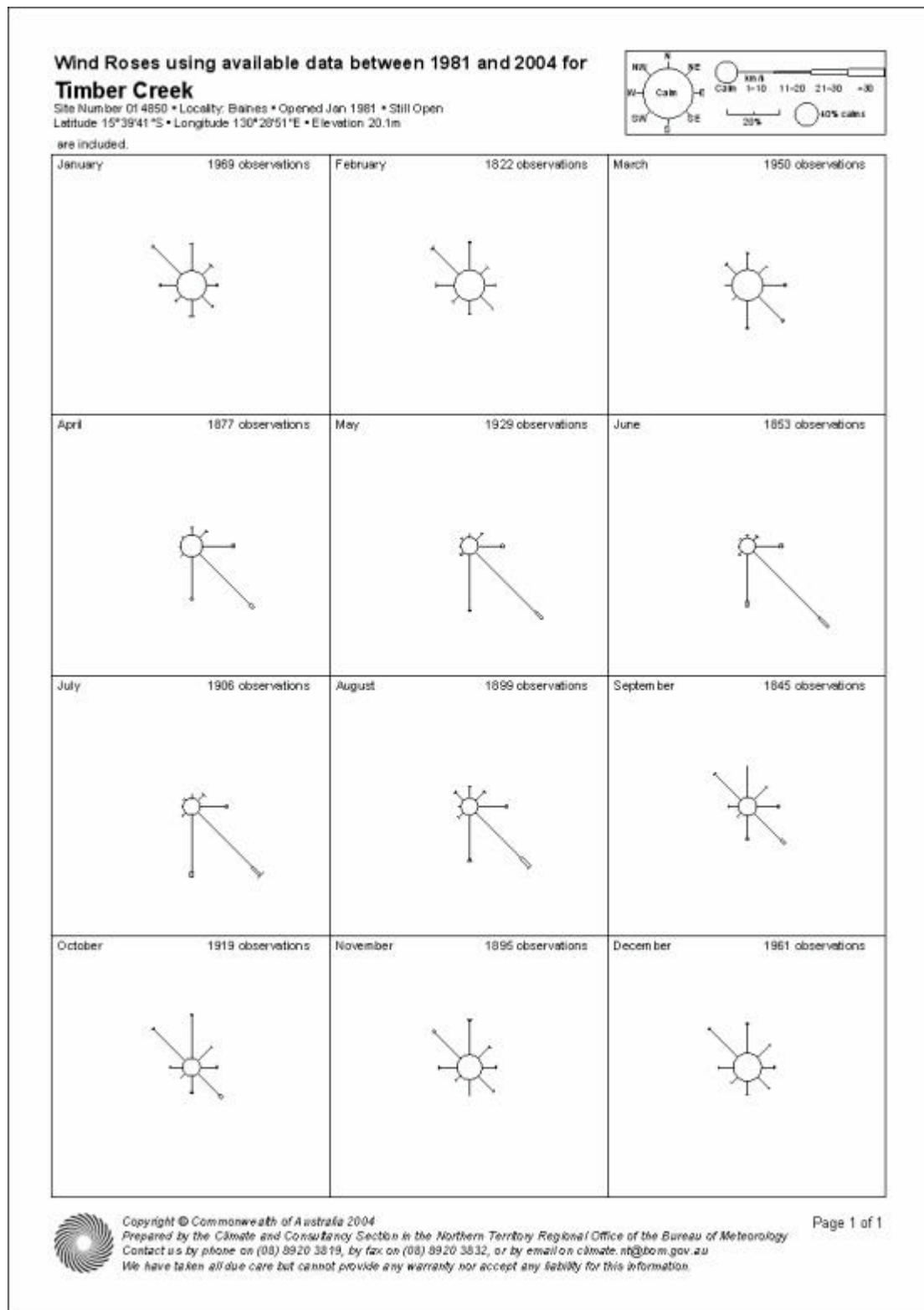


Figure A3-1. Typical Monthly Wind Roses for the Inland Western Region for Timber Creek (compiled using data recorded from Timber Creek weather station between 1981-2004).

Wind Frequency analysis using available data between 1981 and 2004 for

Timber Creek

Site Number 01 4850 • Locality: Baines • Opened Jan 1981 • Still Open • Latitude 15°39'41"S • Longitude 130°28'51"E • Elevation 20.1 m are included.

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

January

Calm 45		A total of 1969 observations analysed								
km/h	N	NE	E	SE	S	SW	W	NW	All	
1-10	10	4	4	6	6	3	6	14	53	
11-20	*	*	*	*	*	*	*	1	3	
21-30		*			*				*	
>30										
All	10	5	4	6	6	3	6	15	100	

February

Calm 46		A total of 1822 observations analysed								
km/h	N	NE	E	SE	S	SW	W	NW	All	
1-10	10	4	4	7	5	3	7	13	53	
11-20	*	*	*	*	*	*	*	1	1	
21-30							*	*	*	
>30										
All	11	4	4	7	5	3	7	14	100	

March

Calm	47	A total of 1950 observations analysed								
km/h	N	NE	E	SE	S	SW	W	NW	All	
1-10	6	4	8	13	10	2	3	5	50	
11-20	*	*	1	1	1			*	3	
21-30										
>30										
All	6	4	9	13	10	2	3	6	100	

April

Calm 33		A total of 1877 observations analysed								
km/h	N	NE	E	SE	S	SW	W	NW	All	
1-10	3	4	11	27	15	2	1	1	63	
11-20	*	*	1	2	1				3	
21-30										
>30										
All	3	4	12	28	16	2	1	1	100	

May

Calm 26	A total of 1929 observations analysed								
km/h	N	NE	E	SE	S	SW	W	NW	All
1-10	1	3	9	32	21	1	1	1	68
11-20		*	1	3	1	*		*	6
21-30									
>30									
All	1	3	10	35	21	1	1	1	100

June

Calm 24	A total of 1853 observations analysed								
km/h	N	NE	E	SE	S	SW	W	NW	All
1-10	1	2	9	35	18	1	1	1	67
11-20	*	*	1	5	2	*		*	9
21-30									
>30									
All	1	2	10	40	20	1	1	1	100

July

Calm 25		A total of 1906 observations analysed								
km/h	N	NE	E	SE	S	SW	W	NW	All	
1-10	1	3	9	29	21	2	*	1	67	
11-20		*	1	4	2	*		*	7	
21-30		*							*	
>30				*					*	
All	1	3	10	33	23	2	*	1	100	

August

Calm	26	A total of 1899 observations analysed								
km/h	N	NE	E	SE	S	SW	W	NW	All	
1-10	4	5	10	24	16	3	1	4	68	
11-20	*	*	1	5	1	*		*	6	
21-30				*	*				*	
>30										
All	5	5	11	29	17	3	1	4	100	

September

Calm 28		A total of 1845 observations analysed								
km/h	N	NE	E	SE	S	SW	W	NW	All	
1-10	12	7	8	14	8	2	4	14	68	
11-20		*	1	2	1	*	*	*	4	
21-30										
>30										
All	12	7	9	16	9	2	4	14	100	

October

Calm 27		A total of 1919 observations analysed								
km/h	N	NE	E	SE	S	SW	W	NW	All	
1-10	16	7	6	11	6	2	5	17	70	
11-20	*	*	*	2	*		*	*	3	
21-30										
>30										
All	16	7	6	13	6	2	5	17	100	

November

Calm 38		A total of 1895 observations analysed								
km/h	N	NE	E	SE	S	SW	W	NW	All	
1-10	13	6	5	8	6	2	7	14	60	
11-20	*	*	*	*		*	*	1	2	
21-30	*								*	
>30										
All	13	6	5	8	6	2	7	15	100	

December

Calm 43		A total of 1961 observations analysed								
km/h	N	NE	E	SE	S	SW	W	NW	All	
1-10	11	6	5	6	5	3	5	15	56	
11-20	"	"	"	"	"	"	"	1	2	
21-30										
>30										
All	11	7	5	6	5	3	6	15	100	



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Figure A3-2. Analysis of Wind Frequency for the Inland Western Region at Timber Creek
(compiled using data recorded from Timber Creek weather station between 1981-2004).

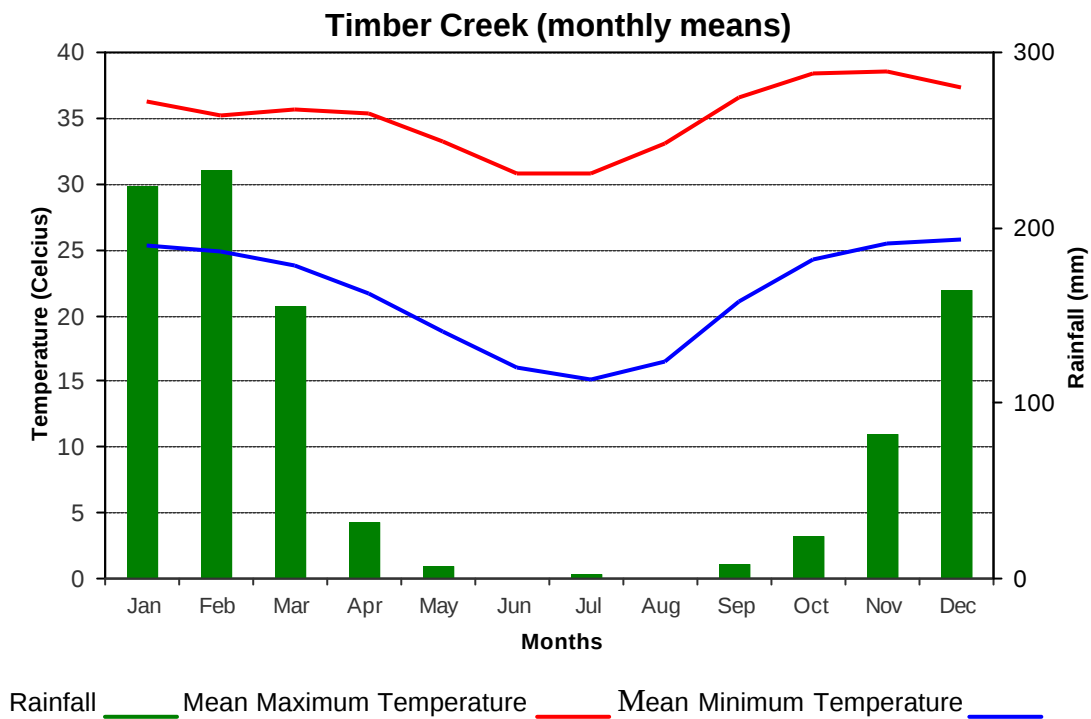


Figure A3-3. Monthly Means for the Inland Western Region at Timber Creek
(compiled using data recorded from Timber Creek weather station between 1981-2004).

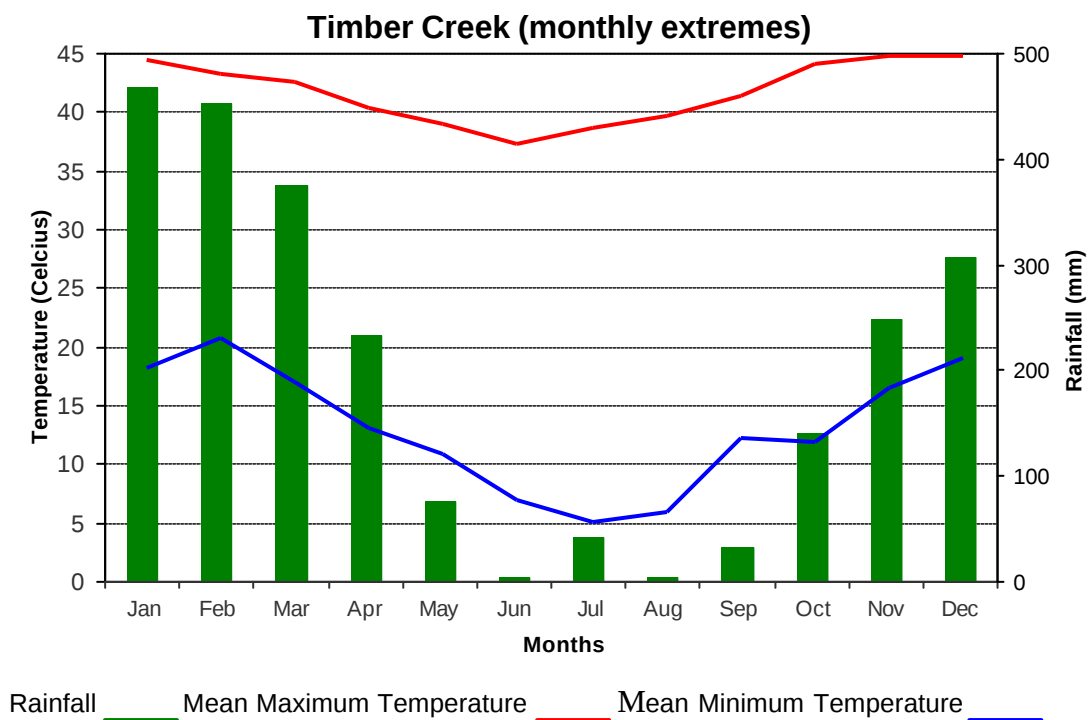


Figure A3-4. Monthly Maximum Means for Temperature and Rainfall for the Inland Western Region for Timber Creek
(compiled using data recorded from Timber Creek weather station between 1981-2004).

A-4 Meteorological Data Available from Katherine Aviation Museum Weather Station between 1943 and 2004

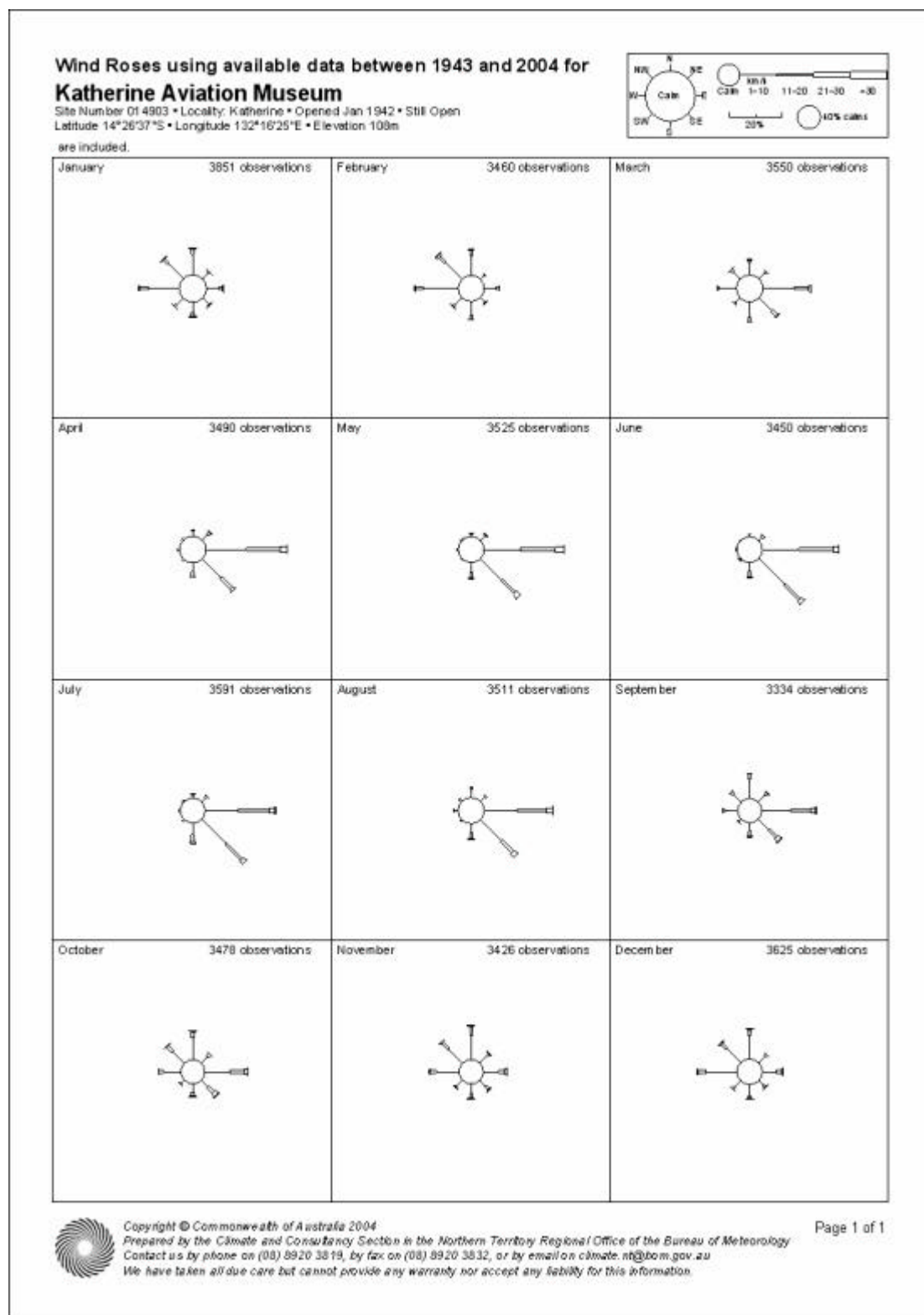


Figure A4-1. Typical Monthly Wind Roses for the Inland Western Region
(compiled using data recorded from Katherine Aviation Museum weather station between 1943-2004).

Wind Frequency analysis using available data between 1965 and 2004 for Larrimah

Site Number 014612 • Locality: Roper South • Opened Nov 1962 • Still Open • Latitude 15°34'29"S • Longitude 133°12'50"E • Elevation 180m are included.

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

January

Calm 23 A total of 3462 observations analysed									
km/h	N	NE	E	SE	S	SW	W	NW	All
1-10	6	8	8	5	6	6	10	10	57
11-20	1	2	2	2	2	1	3	3	16
21-30	*	*	*	*	*	*	*	1	3
>30	*	*	*	*	*	*	*	*	1
All	8	10	11	7	7	7	13	14	100

February

Calm 22 A total of 3138 observations analysed									
km/h	N	NE	E	SE	S	SW	W	NW	All
1-10	8	9	7	5	5	6	11	11	62
11-20	1	1	2	2	1	1	3	2	12
21-30	*	*	*	*	*	*	1	1	3
>30	*	*	*	*	*	*	*	*	1
All	9	10	9	7	6	7	15	14	100

March

Calm 27 A total of 3322 observations analysed									
km/h	N	NE	E	SE	S	SW	W	NW	All
1-10	5	10	13	11	6	3	5	3	56
11-20	1	2	4	3	1	1	1	1	13
21-30	*	*	1	1	*	*	*	*	2
>30	*	*	*	*	*	*	*	*	1
All	6	12	18	15	8	4	6	5	100

April

Calm 25 A total of 3169 observations analysed									
km/h	N	NE	E	SE	S	SW	W	NW	All
1-10	3	9	17	19	5	*	1	1	55
11-20	*	2	7	6	1	*	*	*	16
21-30	*	*	1	1	1	*	*	*	3
>30	*	*	*	*	*	*	*	*	1
All	3	12	25	26	6	1	1	1	100

May

Calm 25 A total of 3181 observations analysed									
km/h	N	NE	E	SE	S	SW	W	NW	All
1-10	2	8	17	18	5	*	*	1	51
11-20	*	2	7	8	2	*	*	*	19
21-30	*	*	1	2	1	*	*	*	4
>30	*	*	*	1	*	*	*	*	2
All	2	10	25	29	7	1	*	1	100

June

Calm 22 A total of 2986 observations analysed									
km/h	N	NE	E	SE	S	SW	W	NW	All
1-10	1	6	16	23	6	1	*	1	54
11-20	*	2	6	9	2	*	*	*	18
21-30	*	*	1	2	*	*	*	*	3
>30	*	*	*	2	1	*	*	*	3
All	1	8	23	35	8	1	1	1	100

July

Calm 22 A total of 3254 observations analysed									
km/h	N	NE	E	SE	S	SW	W	NW	All
1-10	2	7	15	19	7	*	*	*	52
11-20	*	2	7	8	2	*	*	*	19
21-30	*	*	1	2	1	*	*	*	5
>30	*	*	*	1	1	*	*	*	2
All	2	9	24	30	10	1	*	1	100

August

Calm 22 A total of 3290 observations analysed									
km/h	N	NE	E	SE	S	SW	W	NW	All
1-10	6	9	14	16	4	1	1	1	51
11-20	2	3	6	7	2	*	*	1	20
21-30	*	*	2	2	*	*	*	*	5
>30	*	*	*	1	*	*	*	*	2
All	7	13	22	25	7	1	1	2	100

September

Calm 19 A total of 3233 observations analysed									
km/h	N	NE	E	SE	S	SW	W	NW	All
1-10	8	15	12	9	4	1	2	4	55
11-20	3	4	6	4	1	*	1	2	21
21-30	*	1	1	1	*	*	*	*	4
>30	*	*	1	1	*	*	*	*	1
All	11	19	20	16	5	1	3	6	100

October

Calm 20 A total of 3441 observations analysed									
km/h	N	NE	E	SE	S	SW	W	NW	All
1-10	8	13	9	7	3	2	4	7	54
11-20	3	4	5	4	1	*	2	3	22
21-30	*	1	1	1	*	*	*	1	4
>30	*	*	*	*	*	*	*	*	1
All	11	17	16	12	5	3	6	11	100

November

Calm 19 A total of 3308 observations analysed									
km/h	N	NE	E	SE	S	SW	W	NW	All
1-10	8	10	10	6	4	4	7	9	58
11-20	2	3	4	2	1	1	3	3	19
21-30	*	*	1	*	*	*	*	*	3
>30	*	*	*	*	*	*	*	*	1
All	11	14	14	9	6	4	10	13	100

December

Calm 21 A total of 3381 observations analysed									
km/h	N	NE	E	SE	S	SW	W	NW	All
1-10	8	8	8	6	5	5	9	10	58
11-20	2	3	3	2	1	2	3	3	17
21-30	*	1	*	*	*	*	1	1	3
>30	*	*	*	*	*	*	*	*	1
All	10	12	11	8	6	7	12	13	100



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Figure A4-2. Analysis of Wind Frequency for the Inland Western Region

(compiled using data recorded from Katherine Aviation Museum weather station between 1943-2004).

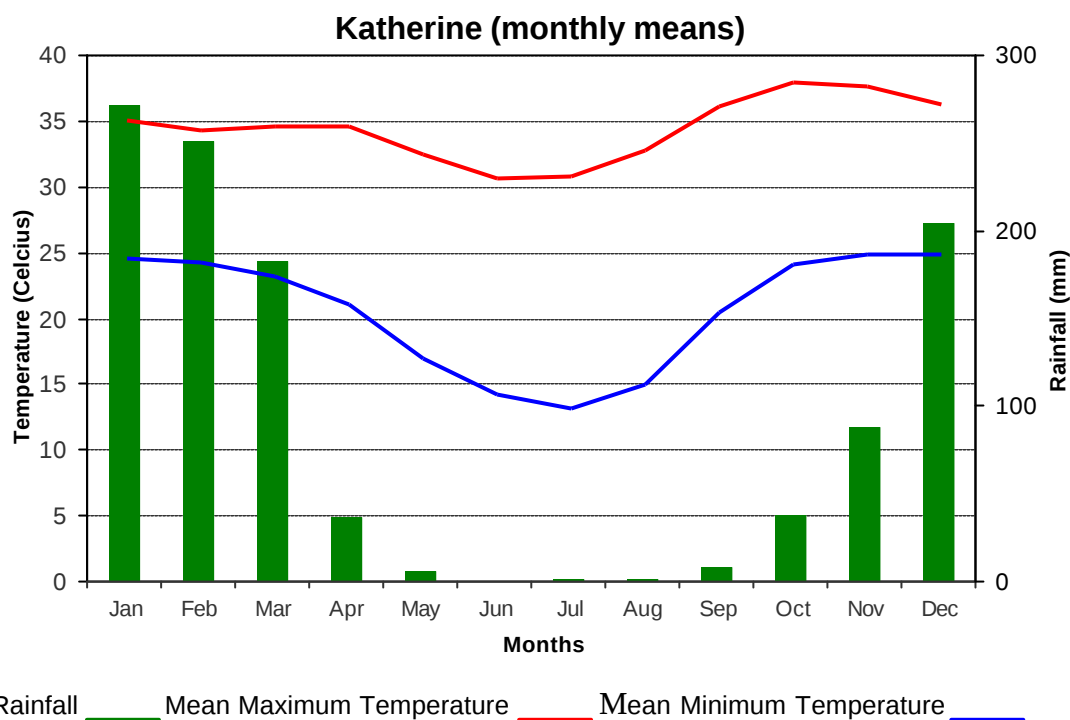


Figure A4-3. Monthly Means for Temperature and Rainfall for the Inland Western Region
(compiled using data recorded from Katherine Aviation Museum weather station between 1943-2004).

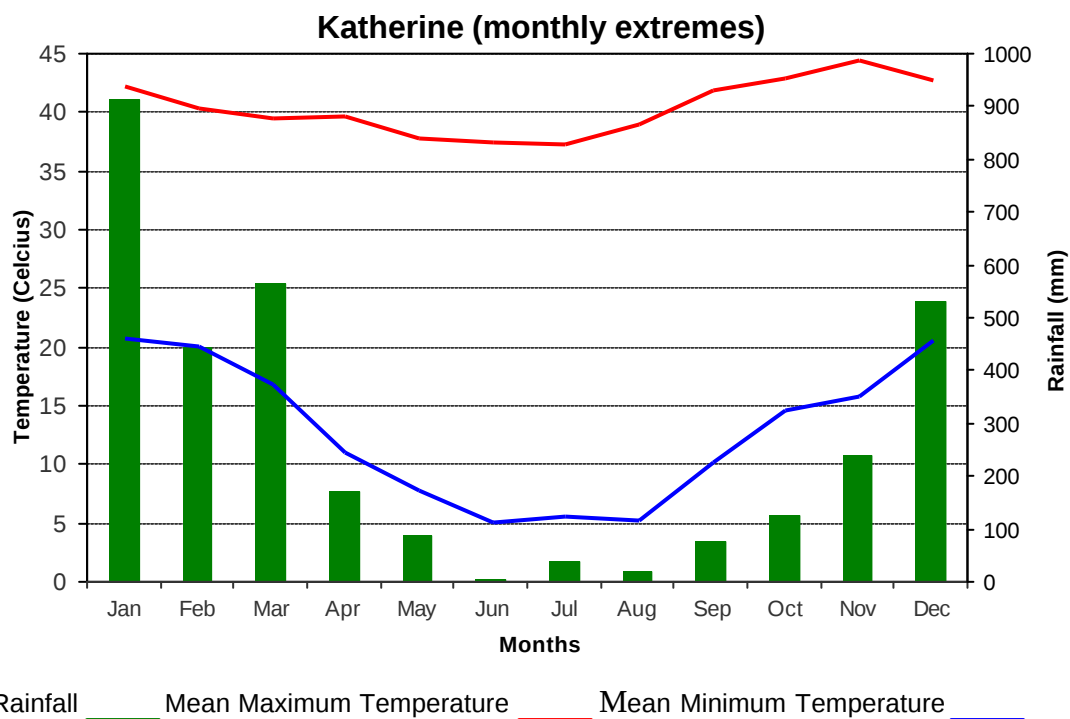


Figure A4-4. Monthly Maximum Means for Temperature and Rainfall for the Inland Western Region
(compiled using data recorded from Katherine Aviation Museum weather station between 1943-2004).

A-5 Meteorological Data Available from Ngukurr Weather Station between 1962 and 2004

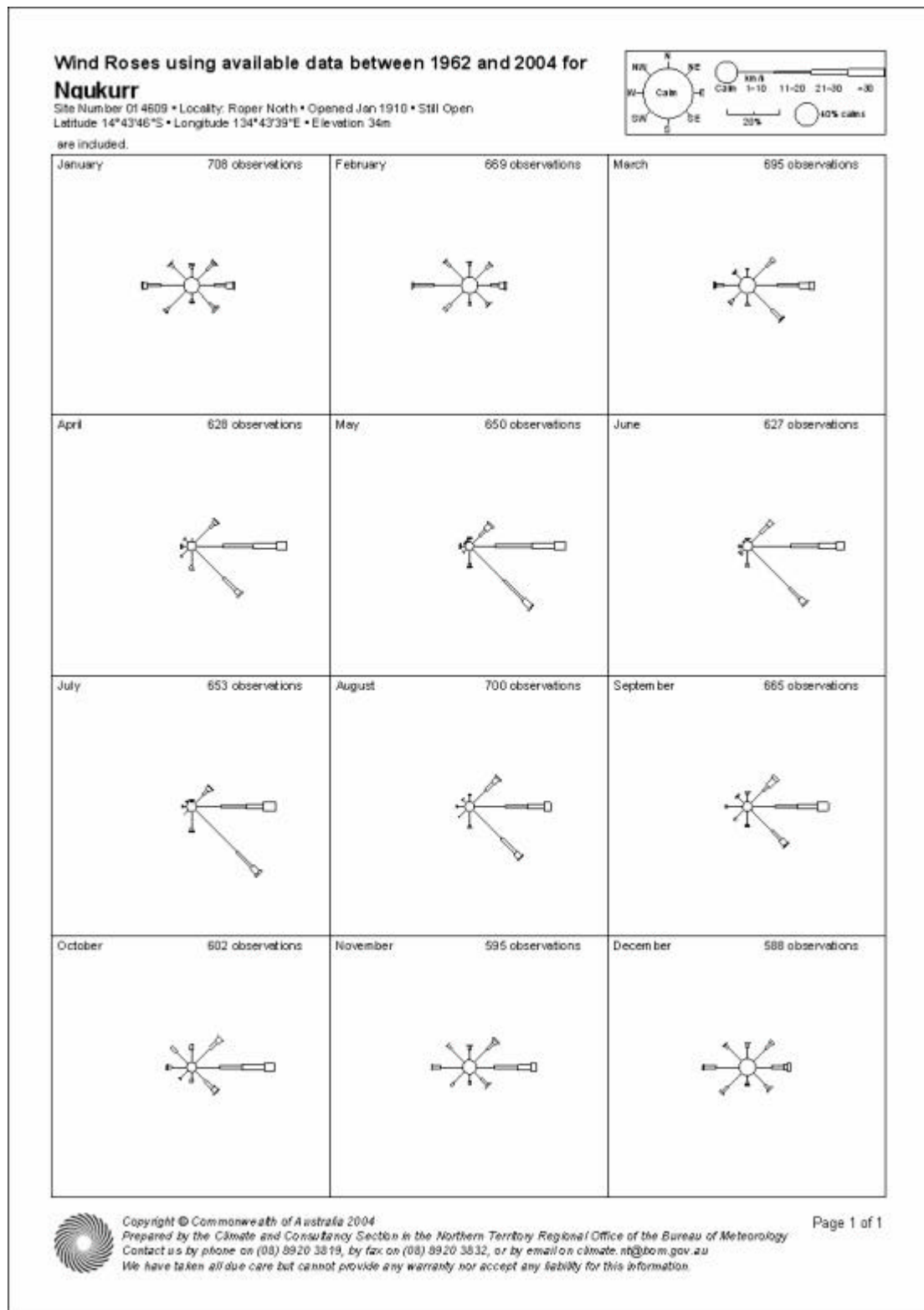


Figure A5-1. Typical Monthly Wind Roses for the Inland Eastern Region
(compiled using data recorded from the Ngukurr weather station between 1962-2004).

Wind Frequency analysis using available data between 1962 and 2004 for

Ngukurr

Site Number 01 4609 • Locality: Roper North • Opened Jan 1910 • Still Open • Latitude 14°43'46"S • Longitude 134°43'39"E • Elevation 34m are included.

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

January

Calm 24 A total of 708 observations analysed										
km/h	N	NE	E	SE	S	SW	W	NW	All	
1-10	3	5	6	7	2	9	9	6	47	
11-20	1	3	4	2	1	2	5	2	21	
21-30	*	*	3	1	*	*	2	*	7	
>30			*	1			*	*	1	
All	5	9	13	10	4	11	16	9	100	

February

Calm 25 A total of 669 observations analysed										
km/h	N	NE	E	SE	S	SW	W	NW	All	
1-10	5	6	5	6	3	7	10	7	48	
11-20	1	2	3	1	1	2	8	3	21	
21-30	*	1	2	*		1	1	*	4	
>30		*	1	*					1	
All	6	8	11	7	4	10	19	10	100	

March

Calm 25 A total of 695 observations analysed										
km/h	N	NE	E	SE	S	SW	W	NW	All	
1-10	3	7	8	10	3	4	6	3	44	
11-20	1	3	8	5	1	2	3	1	22	
21-30		1	4	*	*	*	*	*	6	
>30			2	*			*		2	
All	3	11	22	15	4	6	9	4	100	

April

Calm 14 A total of 628 observations analysed										
km/h	N	NE	E	SE	S	SW	W	NW	All	
1-10	1	8	10	15	6	4	2	2	47	
11-20		2	12	6	2	*	*	*	22	
21-30		1	9	2	*		*		12	
>30		*	4	*					4	
All	1	11	34	24	7	4	2	2	100	

May

Calm 14 A total of 650 observations analysed										
km/h	N	NE	E	SE	S	SW	W	NW	All	
1-10	1	4	8	16	5	1	1	*	36	
11-20	*	3	14	10	1	*	*	*	30	
21-30	*	2	8	4	*		*	*	15	
>30		*	4	1					5	
All	1	10	34	31	6	2	2	*	100	

June

Calm 16 A total of 627 observations analysed										
km/h	N	NE	E	SE	S	SW	W	NW	All	
1-10	*	5	14	20	5	1	1	*	46	
11-20	*	4	10	6	1	1	1	*	22	
21-30	*	2	7	2	*	*			12	
>30		*	3	1					4	
All	1	11	34	29	6	2	1	*	100	

July

Calm 16 A total of 653 observations analysed										
km/h	N	NE	E	SE	S	SW	W	NW	All	
1-10	*	4	9	22	6	2	1	1	45	
11-20	*	3	10	8	1		*	*	22	
21-30	*	1	6	3	*				11	
>30		*	5	1					6	
All	1	8	30	34	8	2	2	1	100	

August

Calm 15 A total of 700 observations analysed										
km/h	N	NE	E	SE	S	SW	W	NW	All	
1-10	2	7	11	15	5	4	3	2	48	
11-20	*	4	8	8	1	*	*	*	22	
21-30		3	6	2	*				11	
>30		1	3	*					3	
All	3	14	29	25	6	4	3	2	100	

September

Calm 15 A total of 665 observations analysed										
km/h	N	NE	E	SE	S	SW	W	NW	All	
1-10	3	6	8	11	5	4	6	3	47	
11-20	1	3	8	5	1	1	1	1	19	
21-30	*	3	8	3	*			*	14	
>30		1	4	*					6	
All	4	13	28	19	5	5	7	4	100	

October

Calm 15 A total of 602 observations analysed										
km/h	N	NE	E	SE	S	SW	W	NW	All	
1-10	5	8	9	6	3	4	6	6	45	
11-20	2	4	8	4	1	1	2	3	24	
21-30		2	8	2			*		12	
>30		*	4	*					4	
All	7	13	29	11	4	4	7	9	100	

November

Calm 22 A total of 595 observations analysed										
km/h	N	NE	E	SE	S	SW	W	NW	All	
1-10	4	7	7	4	3	6	8	7	44	
11-20	1	3	9	3	1	1	3	2	24	
21-30	*	1	5	1			*	*	7	
>30	*	1	2	*					3	
All	6	12	23	7	4	7	11	9	100	

December

Calm 25 A total of 588 observations analysed										
km/h	N	NE	E	SE	S	SW	W	NW	All	
1-10	4	6	6	6	3	7	9	7	48	
11-20	2	3	5	2	1	2	5	1	20	
21-30	*	1	2	1	*	1	*	*	5	
>30			1	*					1	
All	6	10	13	9	4	11	14	9	100	



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Figure A5-2. Analysis of Wind Frequency for the Inland Eastern Region
(compiled using data recorded from the Ngukurr weather station between 1962-2004).

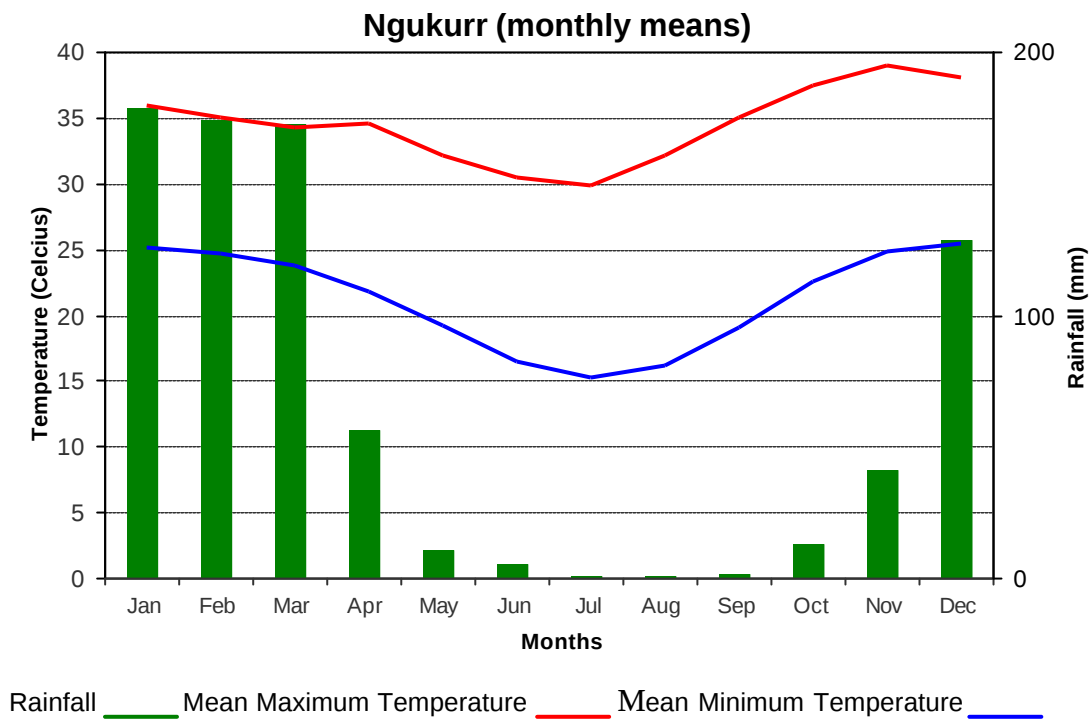


Figure A5-3. Monthly Means for Temperature and Rainfall for the Inland Eastern Region (compiled using data recorded from the Ngukurr weather station between 1962-2004).

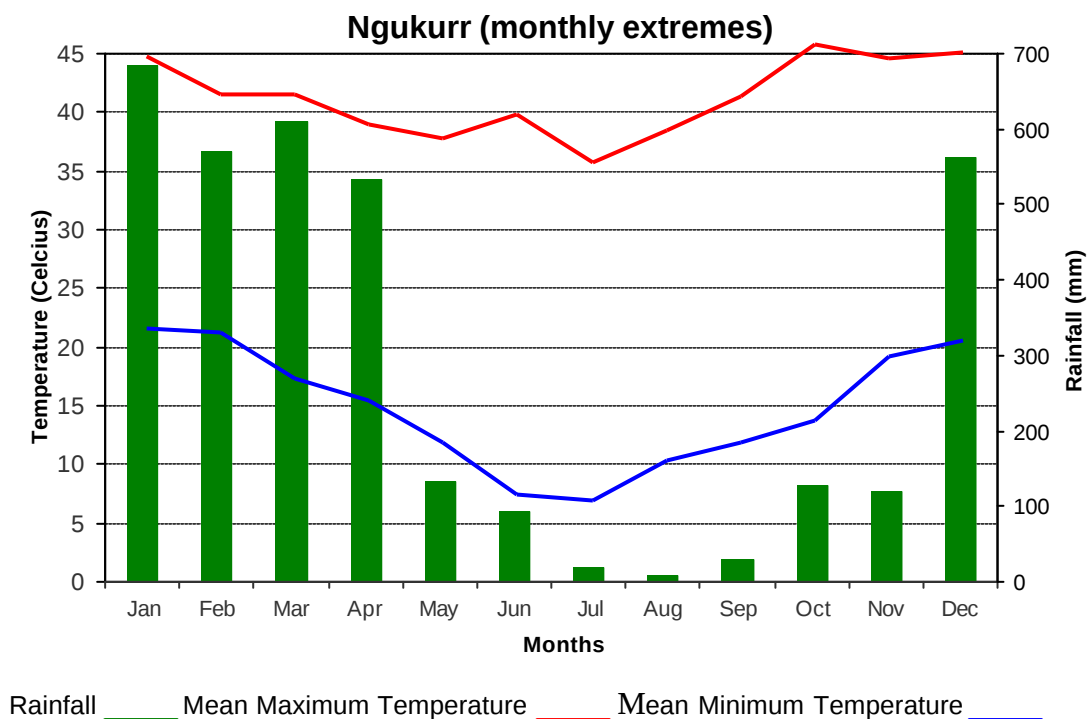


Figure A5-4. Monthly Maximum Means for Temperature and Rainfall for the Inland Eastern Region. (compiled using data recorded from the Ngukurr weather station between 1962-2004).

A-6 Meteorological Data Available from Larrimah Weather Station between 1965 and 2004

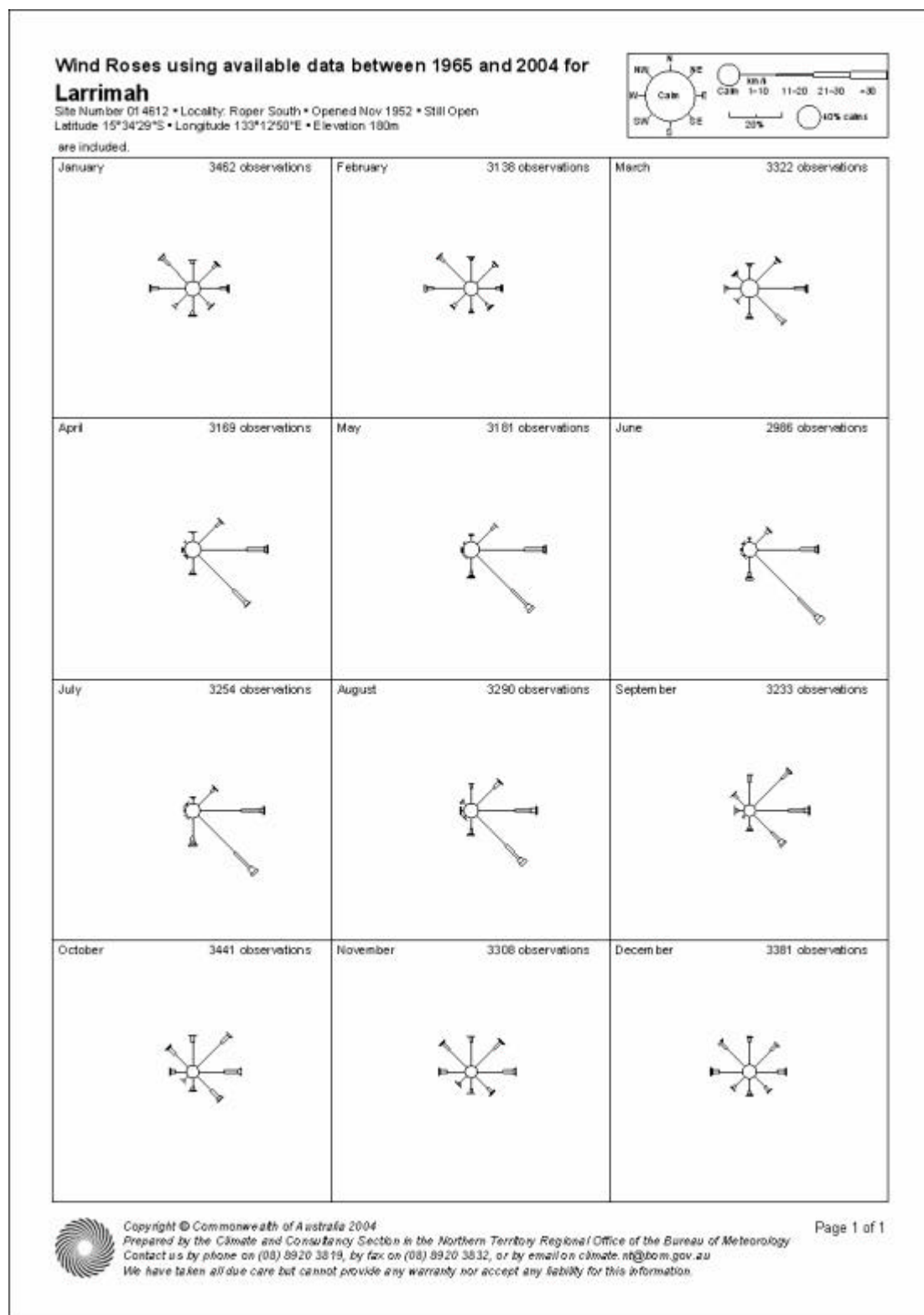


Figure A6-1. Typical Monthly Wind Roses for the Inland Eastern Region
(compiled using data recorded from the Larrimah weather station between 1965-2004).

Wind Frequency analysis using available data between 1965 and 2004 for Larrimah

Site Number 014612 • Locality: Roper South • Opened Nov 1962 • Still Open • Latitude 15°34'29"S • Longitude 133°12'50"E • Elevation 180m are included.

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

January

Calm 23 A total of 3462 observations analysed										
km/h	N	NE	E	SE	S	SW	W	NW	All	
1-10	6	8	8	5	6	6	10	10	57	
11-20	1	2	2	2	2	1	3	3	16	
21-30	*	*	*	*	*	*	*	*	1	3
>30	*	*	*	*	*	*	*	*	*	1
All	8	10	11	7	7	7	13	14	100	

February

Calm 22 A total of 3138 observations analysed										
km/h	N	NE	E	SE	S	SW	W	NW	All	
1-10	8	9	7	5	5	6	11	11	62	
11-20	1	1	2	2	1	1	3	2	12	
21-30	*	*	*	*	*	*	*	*	1	3
>30	*	*	*	*	*	*	*	*	*	1
All	9	10	9	7	6	7	15	14	100	

March

Calm 27 A total of 3322 observations analysed										
km/h	N	NE	E	SE	S	SW	W	NW	All	
1-10	5	10	13	11	6	3	5	3	56	
11-20	1	2	4	3	1	1	1	1	13	
21-30	*	*	1	1	*	*	*	*	2	
>30	*	*	*	*	*	*	*	*	1	
All	6	12	18	15	8	4	6	5	100	

April

Calm 25 A total of 3169 observations analysed										
km/h	N	NE	E	SE	S	SW	W	NW	All	
1-10	3	9	17	19	5	*	1	1	55	
11-20	*	2	7	6	1	*	*	*	16	
21-30	*	*	1	1	1	*	*	*	3	
>30	*	*	*	*	*	*	*	*	1	
All	3	12	25	26	6	1	1	1	100	

May

Calm 25 A total of 3181 observations analysed										
km/h	N	NE	E	SE	S	SW	W	NW	All	
1-10	2	8	17	18	5	*	*	1	51	
11-20	*	2	7	8	2	*	*	*	19	
21-30	*	*	1	2	1	*	*	*	4	
>30	*	*	*	1	*	*	*	*	2	
All	2	10	25	29	7	1	*	1	100	

June

Calm 22 A total of 2986 observations analysed										
km/h	N	NE	E	SE	S	SW	W	NW	All	
1-10	1	6	16	23	6	1	*	1	54	
11-20	*	2	6	9	2	*	*	*	18	
21-30	*	*	1	2	*	*	*	*	3	
>30	*	*	*	2	1	*	*	*	3	
All	1	8	23	35	8	1	1	1	100	

July

Calm 22 A total of 3254 observations analysed										
km/h	N	NE	E	SE	S	SW	W	NW	All	
1-10	2	7	15	19	7	*	*	*	52	
11-20	*	2	7	8	2	*	*	*	19	
21-30	*	*	1	2	1	*	*	*	5	
>30	*	*	*	1	1	*	*	*	2	
All	2	9	24	30	10	1	*	1	100	

August

Calm 22 A total of 3290 observations analysed										
km/h	N	NE	E	SE	S	SW	W	NW	All	
1-10	6	9	14	16	4	1	1	1	51	
11-20	2	3	6	7	2	*	*	1	20	
21-30	*	*	2	2	*	*	*	*	5	
>30	*	*	*	1	*	*	*	*	2	
All	7	13	22	25	7	1	1	2	100	

September

Calm 19 A total of 3233 observations analysed										
km/h	N	NE	E	SE	S	SW	W	NW	All	
1-10	8	15	12	9	4	1	2	4	55	
11-20	3	4	6	4	1	*	1	2	21	
21-30	*	1	1	1	*	*	*	*	4	
>30	*	*	1	1	*	*	*	*	1	
All	11	19	20	16	5	1	3	6	100	

October

Calm 20 A total of 3441 observations analysed										
km/h	N	NE	E	SE	S	SW	W	NW	All	
1-10	8	13	9	7	3	2	4	7	54	
11-20	3	4	5	4	1	*	2	3	22	
21-30	*	1	1	1	*	*	*	1	4	
>30	*	*	*	*	*	*	*	*	1	
All	11	17	16	12	5	3	6	11	100	

November

Calm 19 A total of 3308 observations analysed										
km/h	N	NE	E	SE	S	SW	W	NW	All	
1-10	8	10	10	6	4	4	7	9	58	
11-20	2	3	4	2	1	1	3	3	19	
21-30	*	*	1	*	*	*	*	*	3	
>30	*	*	*	*	*	*	*	*	1	
All	11	14	14	9	6	4	10	13	100	

December

Calm 21 A total of 3381 observations analysed										
km/h	N	NE	E	SE	S	SW	W	NW	All	
1-10	8	8	8	6	5	5	9	10	58	
11-20	2	3	3	2	1	2	3	3	17	
21-30	*	1	*	*	*	*	1	1	3	
>30	*	*	*	*	*	*	*	*	1	
All	10	12	11	8	6	7	12	13	100	



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Figure A6-2. Analysis of Wind Frequency for the Inland Eastern Region
(compiled using data recorded from the Larrimah weather station between 1965-2004).

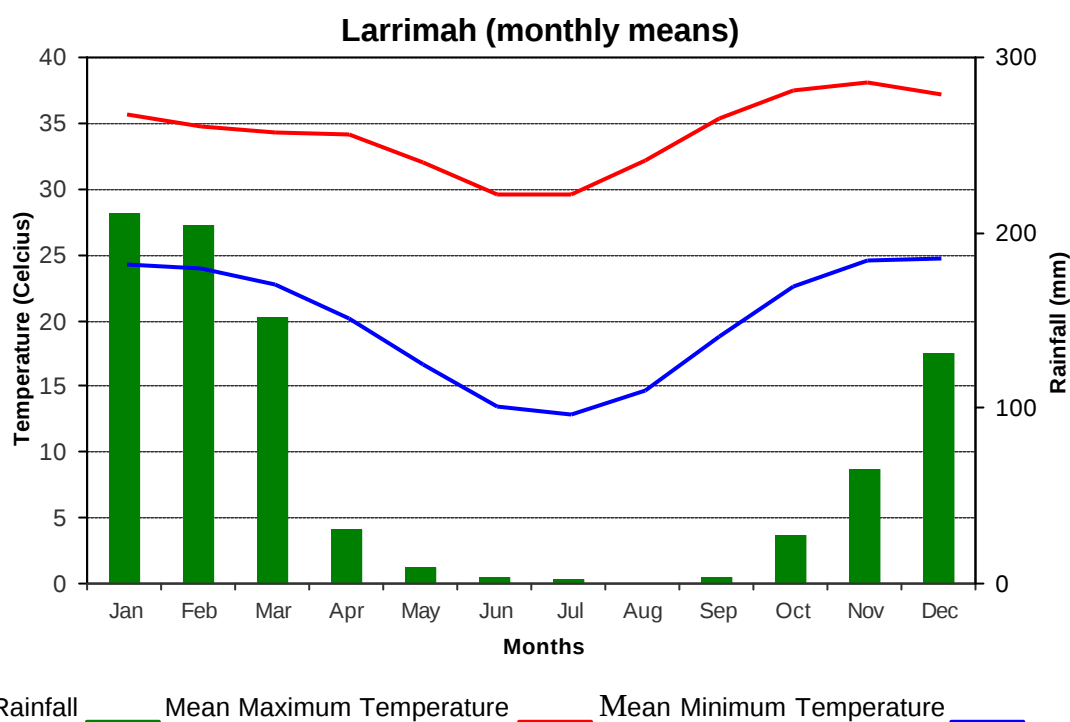


Figure A6-3. Monthly Means for Temperature and Rainfall for the Inland Eastern Region
(compiled using data recorded from the Larrimah weather station between 1965-2004).

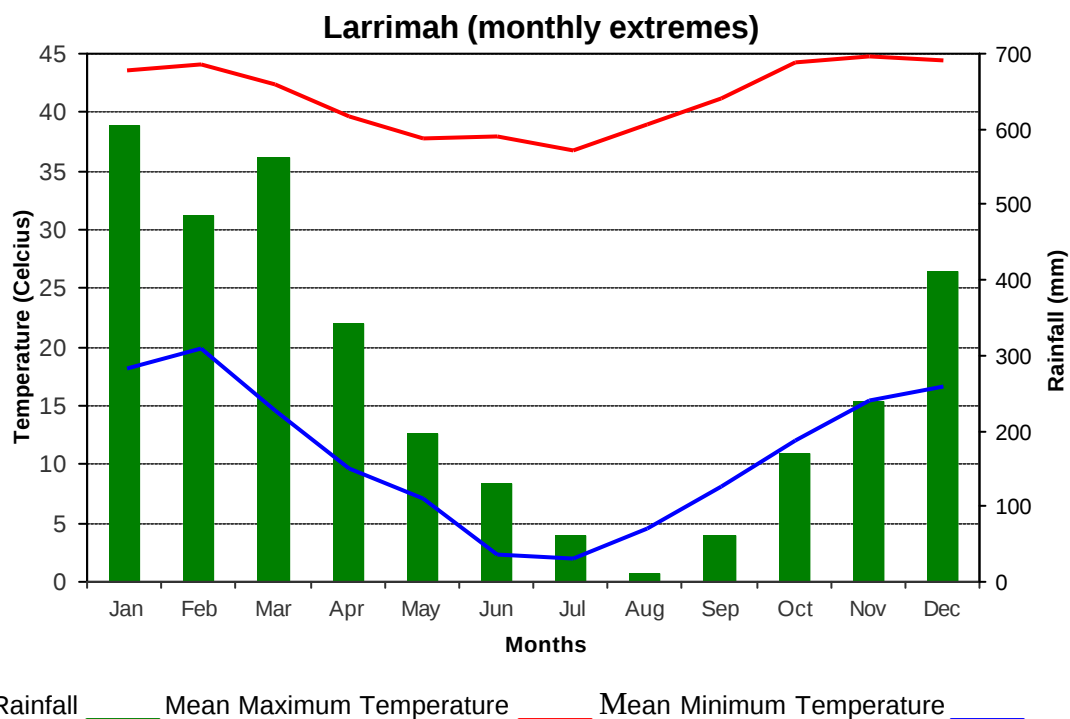


Figure A6-4. Monthly Maximum Means for Temperature and Rainfall for the Inland Eastern Region.
(compiled using data recorded from the Larrimah weather station between 1965-2004).

A-7 Meteorological Data Available from Gove Airport Weather Station between 1966 and 2004

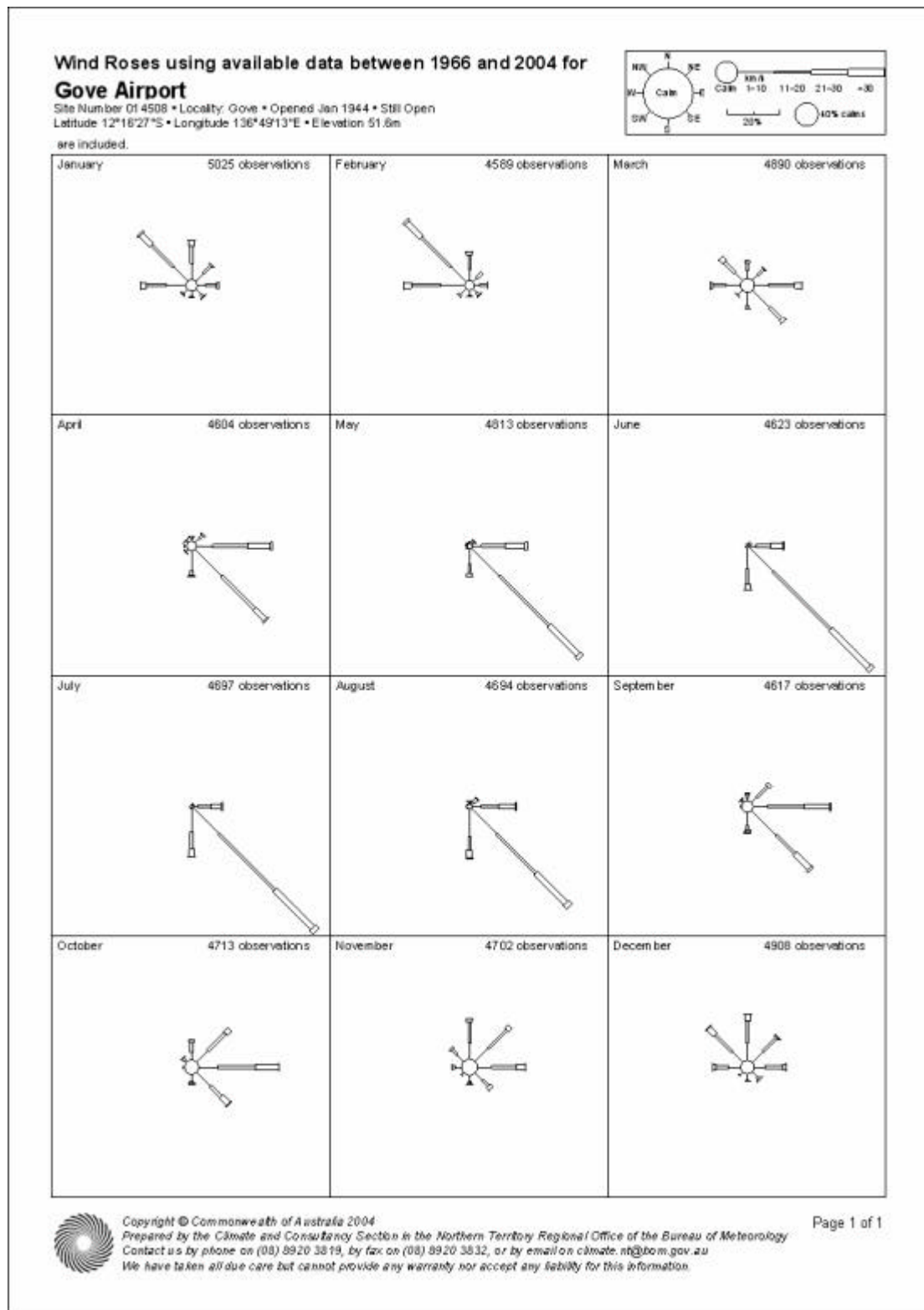


Figure A7-1. Typical Monthly Wind Roses for the Coastal Eastern Region
(compiled using data recorded from the Gove weather station between 1966-2004).

Wind Frequency analysis using available data between 1966 and 2004 for

Gove Airport

Site Number 01 4508 • Locality: Gove • Opened Jan 1944 • Still Open • Latitude 12°16'22"S • Longitude 136°49'13"E • Elevation 51.6m are included.

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

January

Calm 18		A total of 5025 observations analysed								
km/h	N	NE	E	SE	S	SW	W	NW	All	
1-10	6	4	3	2	2	2	7	7	34	
11-20	7	4	4	1	*	1	7	12	36	
21-30	2	*	1	*	*	*	2	6	12	
>30	*	*	*	*			*	*	1	
All	15	8	8	4	2	3	17	25	100	

February

Calm 15		A total of 4589 observations analysed								
km/h	N	NE	E	SE	S	SW	W	NW	All	
1-10	4	2	2	2	2	3	9	8	32	
11-20	5	2	3	1	*	1	11	16	39	
21-30	1	*	*	*	*	*	3	8	12	
>30	*	*	*	*	*	*	*	1	1	
All	11	5	5	3	2	4	23	32	100	

March

Calm 21		A total of 4890 observations analysed								
km/h	N	NE	E	SE	S	SW	W	NW	All	
1-10	3	3	5	9	5	2	5	4	36	
11-20	3	3	10	6	1	1	5	6	34	
21-30	1	*	3	1	*	*	1	2	8	
>30			*	*		*	*	*	1	
All	7	6	18	16	6	3	11	12	100	

April

Calm 15		A total of 4604 observations analysed								
km/h	N	NE	E	SE	S	SW	W	NW	All	
1-10	1	2	6	14	7	1	1	1	33	
11-20	1	2	13	17	2	*	*	*	35	
21-30	*	1	9	6	*	*	*	*	15	
>30			1	1	*			*	1	
All	2	4	28	38	9	1	1	1	100	

May

Calm 8	A total of 4813 observations analysed									
km/h	N	NE	E	SE	S	SW	W	NW	All	
1-10	*	*	3	15	6	*	*	*	25	
11-20	*	1	9	26	4	*	*	*	40	
21-30		*	7	16	1	*	*	*	24	
>30			1	1	*			*	2	
All	1	2	21	58	11	*	*	*	100	

June

Calm 4		A total of 4623 observations analysed								
km/h	N	NE	E	SE	S	SW	W	NW	All	
1-10	*	*	3	13	8	*	*	*	24	
11-20	*	1	6	30	6	*			43	
21-30		*	4	20	2				27	
>30			1	2	*			*	2	
All	*	1	13	65	16	*		*	100	

July

Calm 4		A total of 4697 observations analysed								
km/h	N	NE	E	SE	S	SW	W	NW	All	
1-10	*	*	2	14	9	*	*	*	25	
11-20	*	*	5	30	7	*			42	
21-30		*	4	20	3				27	
>30			1	2	*				2	
All	*	1	11	65	18	*	*	*	100	

August

Calm 8	A total of 4694 observations analysed									
km/h	N	NE	E	SE	S	SW	W	NW	All	
1-10	*	1	3	14	10	*	*	*	29	
11-20	1	2	7	21	5		*	*	35	
21-30	*	*	6	16	3				26	
>30			*	2	*				2	
All	1	3	17	52	18	*	*	*	100	

September

Calm 18		A total of 4617 observations analysed								
km/h	N	NE	E	SE	S	SW	W	NW	All	
1-10	1	3	5	13	6	*	*	1	27	
11-20	1	6	14	10	2		*	*	33	
21-30	*	1	10	8	1			*	20	
>30			*	1	*				1	
All	3	9	29	31	8	*	*	1	100	

October

Calm 21		A total of 4713 observations analysed								
km/h	N	NE	E	SE	S	SW	W	NW	All	
1-10	3	6	7	7	2	*	*	1	27	
11-20	4	9	14	6	1		*	1	35	
21-30	1	2	9	4	*			*	16	
>30			*	*	*			*	*	
All	8	17	30	17	4	*	*	2	100	

November

Calm 24		A total of 4702 observations analysed								
km/h	N	NE	E	SE	S	SW	W	NW	All	
1-10	6	7	5	4	2	1	2	3	30	
11-20	8	10	9	3	1	*	1	3	36	
21-30	1	2	3	1	*		*	1	9	
>30	*		*		*			*	*	
All	15	18	18	8	4	1	4	7	100	

December

Calm 21		A total of 4908 observations analysed								
km/h	N	NE	E	SE	S	SW	W	NW	All	
1-10	6	6	4	2	2	1	5	6	32	
11-20	8	7	7	1	1	*	4	9	37	
21-30	2	1	1	*	*		1	3	9	
>30	*	*	*	*	*		*	*	*	
All	17	13	12	4	3	2	10	18	100	



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Figure A7-2. Analysis of Wind Frequency for the Coastal Eastern Region
(compiled using data recorded from the Gove weather station between 1966-2004).

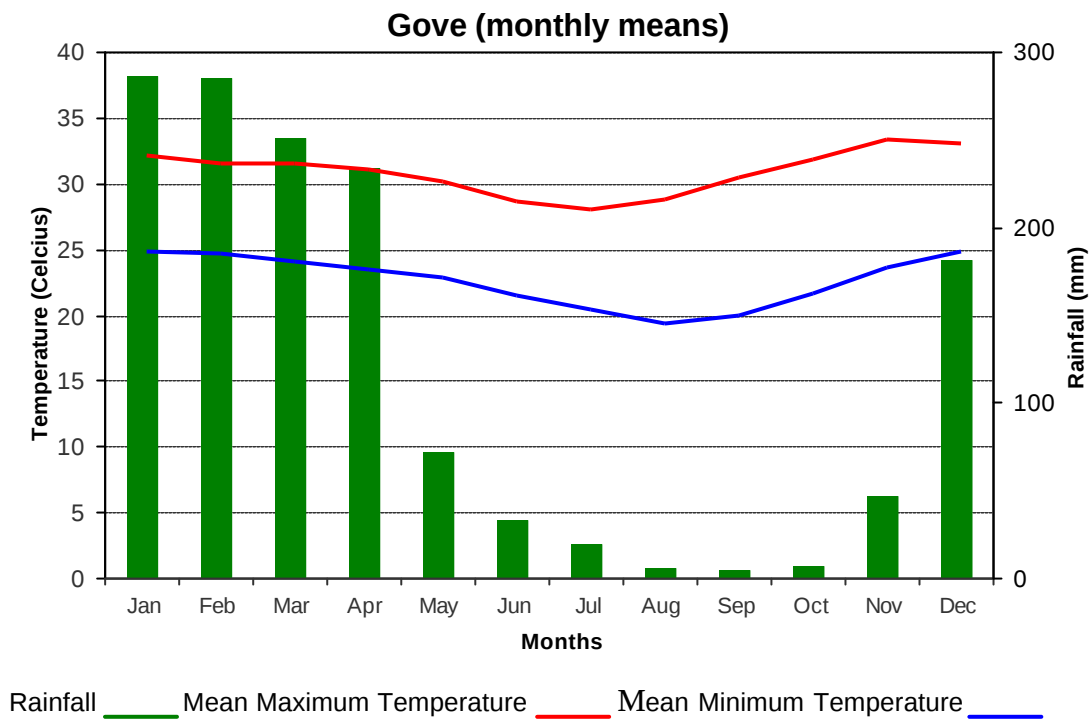


Figure A7-3. Monthly Means for Temperature and Rainfall for the Coastal Eastern Region
(compiled using data recorded from the Gove weather station between 1966-2004).

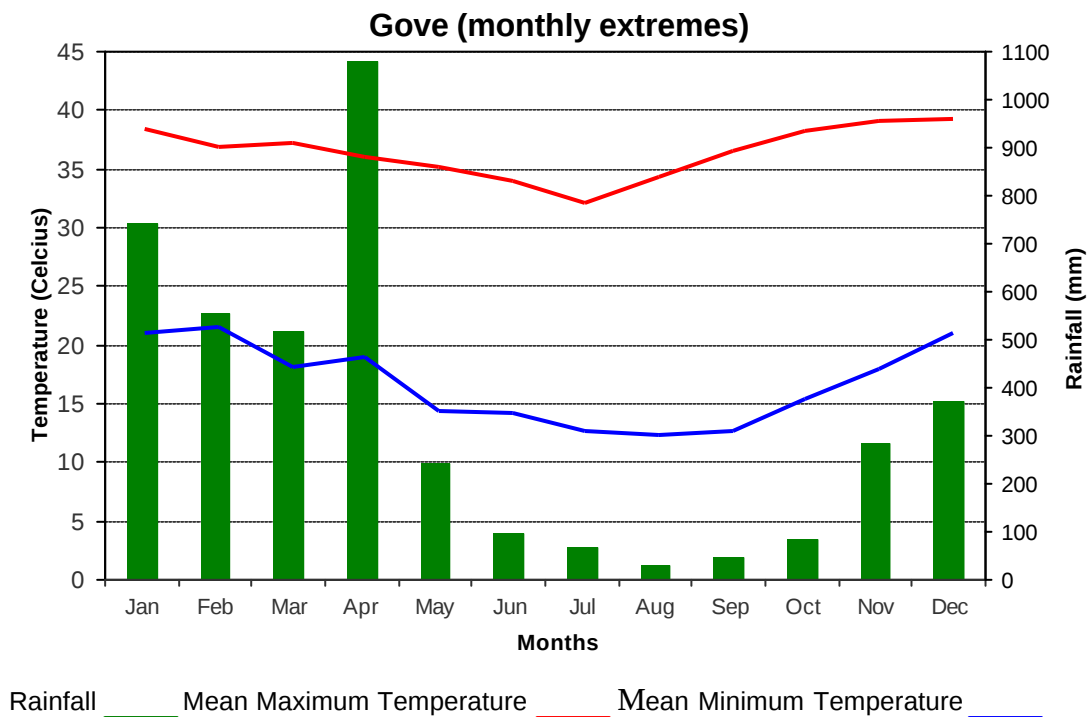


Figure A7-4. Monthly Maximum Means for Temperature and Rainfall for the Coastal Eastern Region
(compiled using data recorded from the Gove weather station between 1966-2004).