

# **APPENDIX 5**

## **Climate Averages and Wind Rose Information**



# CLIMATE AVERAGES -- TAREE

Climate averages for Station: 060030 TAREE (RADIO STATION 2RE). Commenced: 1881; Last record: 2001; Latitude (deg S): -31.8986; Longitude (deg E): 152.4834; State: NSW

Element	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual	Number of years	Percentage Complete
Mean daily maximum temperature - deg C	28.9	28.6	27.2	24.7	21.5	19	18.4	19.9	22.5	24.9	26.7	28.4	24.2	83.8	89
Mean no. of days where Max Temp >= 40.0 deg C	0.2	0.1	0	0	0	0	0	0	0	0	0.1	0.2	0.6	35.9	99
Mean no. of days where Max Temp >= 35.0 deg C	2.5	1.8	0.5	0.1	0	0	0	0	0.1	0.4	1.4	1.8	8.5	35.9	99
Mean no. of days where Max Temp >= 30.0 deg C	12.3	9.5	6.8	1.4	0	0	0	0.1	1.3	4.1	6	10.3	51.8	35.9	99
Highest daily Max Temp - deg C	42.5	42.5	39.4	37	30.3	28	28.9	31.4	37.2	38.5	43.4	42.7	43.4	36	100
Mean daily minimum temperature - deg C	17.5	17.6	16	12.9	9.8	7.3	5.9	6.4	8.6	11.4	14	16.3	12	84.5	90
Mean no. of days where Min Temp <= 2.0 deg C	0	0	0	0	0.5	2.2	4.8	3.3	0.5	0	0	0	11.3	35.8	99
Mean no. of days where Min Temp <= 0.0 deg C	0	0	0	0	0.1	0.5	1.3	0.7	0.1	0	0	0	2.8	35.8	99
Lowest daily Min Temp - deg C	9.3	10.7	7	3.3	-2.3	-1.7	-5	-1.8	-0.7	0.6	4	8	-5	35.9	97
Mean 9am air temp - deg C	23.2	22.5	21.5	18.8	15.2	12.4	11.3	12.8	16.3	19.5	20.9	22.9	18.1	42.8	84
Mean 9am wet bulb temp - deg C	20.3	20.2	19.1	16.3	13.2	10.6	9.4	10.3	13	15.8	17.3	19.1	15.4	37.7	74
Mean 9am dew point - deg C	18.5	18.7	17.4	14.4	11.5	8.6	7	7.6	9.8	12.8	14.6	16.7	13.2	31	86
Mean 9am relative humidity - %	75	80	79	77	79	78	77	71	68	67	68	70	74	37.7	74
Mean 9am wind speed - km/h	5.3	4.8	5.6	6.4	7.3	8.2	8.2	8	7.5	6.9	6	6	6.7	35.8	99
Mean 3pm air temp - deg C	27.3	27.2	25.9	23.6	20.6	18	17.7	19.2	21.1	22.8	24.5	26.5	22.8	34.2	95
Mean 3pm wet bulb temp - deg C	22	21.9	20.7	18.4	15.9	13.7	12.9	13.6	15.3	17.4	18.9	20.7	17.6	29	81
Mean 3pm dew point - deg C	18.9	18.9	17.6	14.6	12.1	9.6	7.9	8.1	10.1	13.4	14.8	17.2	13.5	29.1	81
Mean 3pm relative humidity - %	62	62	63	59	61	60	55	51	52	58	57	59	58	29	81
Mean 3pm wind speed - km/h	14.4	13.1	12.2	10.9	9.3	9.7	10.4	12.6	14.5	14.6	15	15.1	12.7	34.1	94
Mean monthly rainfall - mm	122.5	136.6	152.8	115.6	95.3	98.3	75.4	62.6	61.1	74.7	83.9	100.8	1179.7	117.8	98
Median (5th decile) monthly rainfall - mm	99.6	98.8	121.4	74.7	64.4	70.6	47.8	36.2	43.7	61.2	67.5	79.7	1127.4	116	
9th decile of monthly rainfall - mm	243.3	273.7	334.2	279.5	264.3	209.7	203	169.3	147.8	160.7	178.6	183.8	1698.9	116	
1st decile of monthly rainfall - mm	32.2	27.7	36.1	24.6	17.4	11.8	7.3	4.5	7	14.5	15.9	28.8	759.5	116	
Mean no. of raindays	10.5	10.8	12.3	10.2	9.1	8.8	7.4	7.5	7.5	9.1	9.5	10.2	112.9	107	89
Highest monthly rainfall - mm	768.1	789.7	710	489.1	406.6	468.7	333.6	652.6	272.3	330.6	302.8	471		117.8	98
Lowest monthly rainfall - mm	8.4	1.5	2.7	1.1	5.6	2.8	0	0	0	4.7	1.8	9.4		117.8	98
Highest recorded daily rainfall - mm	246.4	187.2	235.8	280.2	181.6	162.6	203.2	158.8	172.5	161.3	149.1	171.5	280.2	115.1	96
Mean no. of clear days	6.6	5.4	7.3	9.3	8.8	9.4	11.6	12.9	10.8	8.5	6.6	6.8	103.9	36.2	100
Mean no. of cloudy days	12.5	12.9	12	9	11.4	9.9	8.3	7.1	7.9	11.3	11.9	11.6	125.9	36.2	100
Mean daily evaporation - mm	5.7	5.2	4.3	3.3	2.1	1.8	2	2.7	3.8	4.7	5.3	6.1	3.9	27.6	95
Mean monthly evaporation - mm	176.7	146.9	133.3	99	65.1	54	62	83.7	114	145.7	159	189.1			
Days in Month	31	28.25	31	30	31	30	31	31	30	31	30	31			



# Wind Frequency Analyses and Wind Roses

The included set of wind frequency analysis tables and/or wind roses show the frequency with which winds of various strengths are observed coming from various directions. These notes should help you to use the information.

## Data

Wind speed and direction are measured by a number of means. In some cases, they are only estimated. To find out exactly which method has been used, a search of the appropriate station history file would be required.

The data are collected by the National Climate Centre in the Bureau of Meteorology's Melbourne head office. They are stored in ADAM (the Australian Data Archive for Meteorology), an extensive computer database of meteorological observations.

As the observations are stored, basic checks are performed. Any observations that fail these tests (specifically, any whose quality flag is poorer than "4 - estimated, medium certainty") are excluded from the frequency analyses that follow.

## Analysis

The data are collated in a number of ways, depending on the nature of your request.

To group by hour, the observations are assigned to the closest standard three-hour reporting time. For example, all observations between 7:30 am and 10:30 am local standard time are labelled "9 am".

If a seasonal grouping has been requested, then "autumn" is March, April and May, "winter" is June, July and August, "spring" is September, October and November, and "summer" is December, January and February.

The observations are then grouped by speed. The exact number of speed ranges and their size depends on your request. When the speed ranges are labelled, "1 - 10" is used for all speeds greater than 0 but less than or equal to 10. "11 - 20" means greater than 10 but less than or equal to 20.

The data are then grouped by direction; into 8 or 16 bins as requested. When doing this, observations that fall on a bin boundary are split equally between the two bins. For example, when grouping into 8 bins, a direction of "NE" covers all observations with directions strictly between NNE and ENE; "E" covers from ENE to ESE. If the direction is exactly ENE (67.5°), then it will be placed half in the "NE" bin and half in "E" one.

## Tables

If you have requested wind frequency tables, then you will get a separate table for each time group. Each table shows the time to which it applies, and the total number of observations used at that time. The percentage frequency with which calm conditions (that is, no wind) are observed are displayed at the top left of the table.

The rest of the table is laid out with directions across and speeds down. To find the frequency with which winds of a given speed and direction occur, follow down the appropriate direction column and across the speed row until they intersect. The value printed there is the frequency you require. For example, a value of "14" indicates that this speed/direction group occur about 14% of the time. "\*" indicates the range has occurred but less than 0.5% of the time.

The last column, labelled "All", gives the frequency of each speed range regardless of direction. Similarly, the last row gives the frequency of each direction, regardless of speed.

## Roses

Wind Roses seek to make the data in a wind frequency table easier to digest. Although not ideal for quantitative work, they are good for providing a quick visual impression of the wind regime.

Like the tables, there is one wind rose for each time group that you requested. Each rose consist of a central circle, surrounded by branches, each made up of a number of petals.

The circle represents the frequency of calm conditions. The size of the circle is proportional to the number of calms; a scale is given in the legend at the top of the page.

Each branch represents the wind coming from that direction. North is to the top, and the other directions are shown in the legend. In each case, the wind is blowing from that direction toward the calms circle. Each petal corresponds to a speed range from that direction. The length of the petal is proportional to the frequency of that wind; the scale is shown in the legend. The thickness of the petal is used to indicated which speed range it represents.

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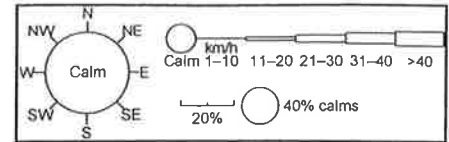
## More Information

Prepared by Climate and Consultancy Section in the NSW Regional Office of the Bureau of Meteorology

Contact us by phone on (02) 9296 1555, by fax on (02) 9296 1567, or by email at [reqnsw@bom.gov.au](mailto:reqnsw@bom.gov.au)

# Wind Roses using available data between 1997 and 2002 for Taree Airport AWS

Site Number 060141 • Locality: Taree • Opened Jun 1997 • Still Open  
Latitude 31°53'23"S • Longitude 152°30'44"E • Elevation 8m  
are included.



12 am January 154 observations 	12 am February 123 observations 	12 am March 120 observations 
12 am April 117 observations 	12 am May 122 observations 	12 am June 118 observations 
12 am July 139 observations 	12 am August 145 observations 	12 am September 143 observations 
12 am October 150 observations 	12 am November 144 observations 	12 am December 151 observations 



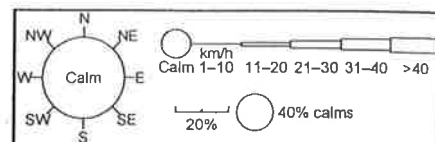
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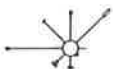
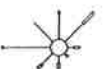





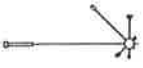


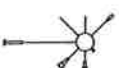

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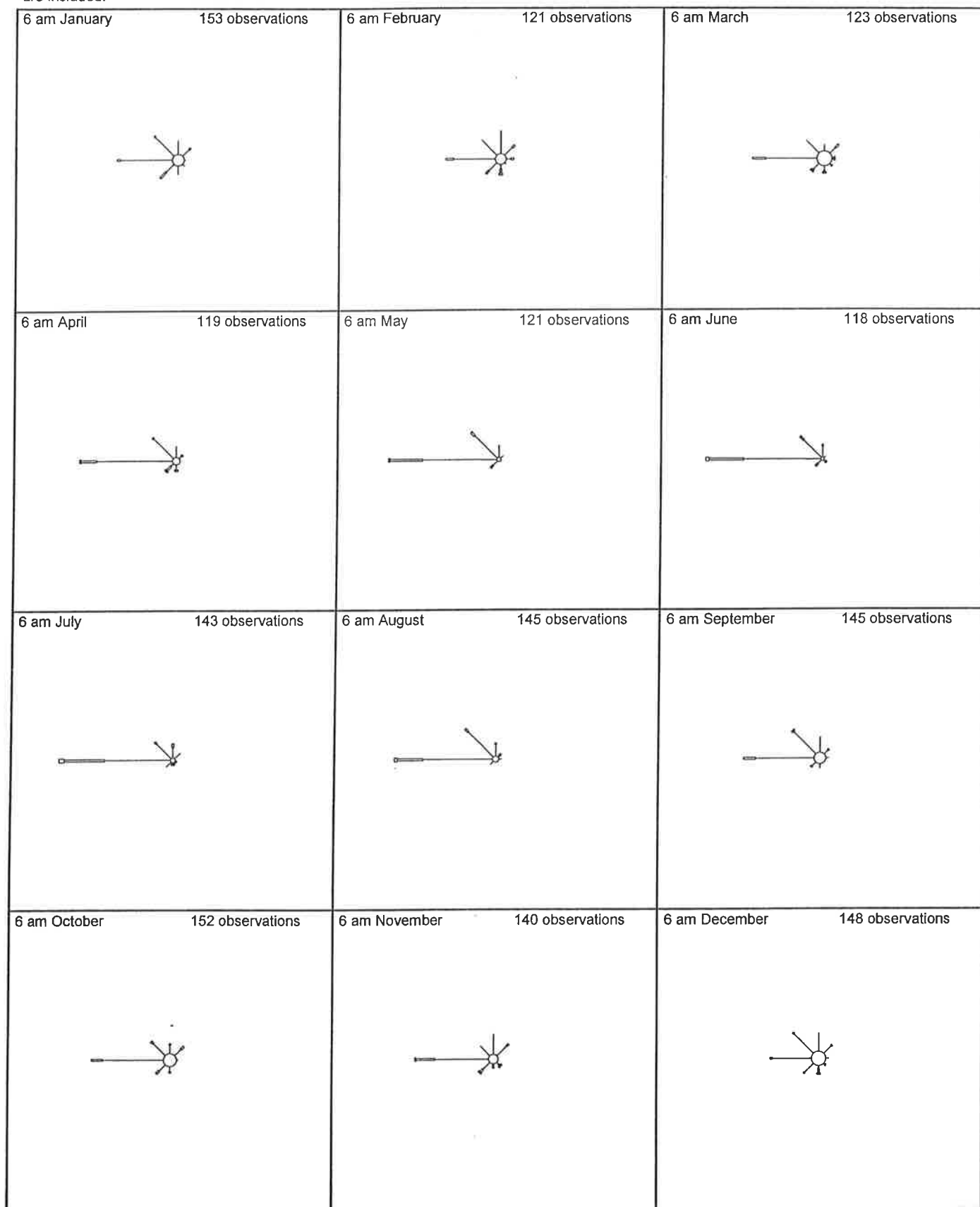
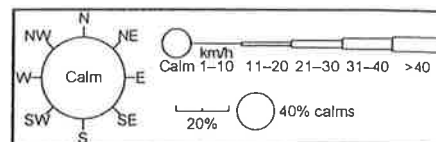
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3 am April 119 observations 	3 am May 122 observations 	3 am June 118 observations 
3 am July 139 observations 	3 am August 146 observations 	3 am September 145 observations 
3 am October 150 observations 	3 am November 144 observations 	3 am December 151 observations 



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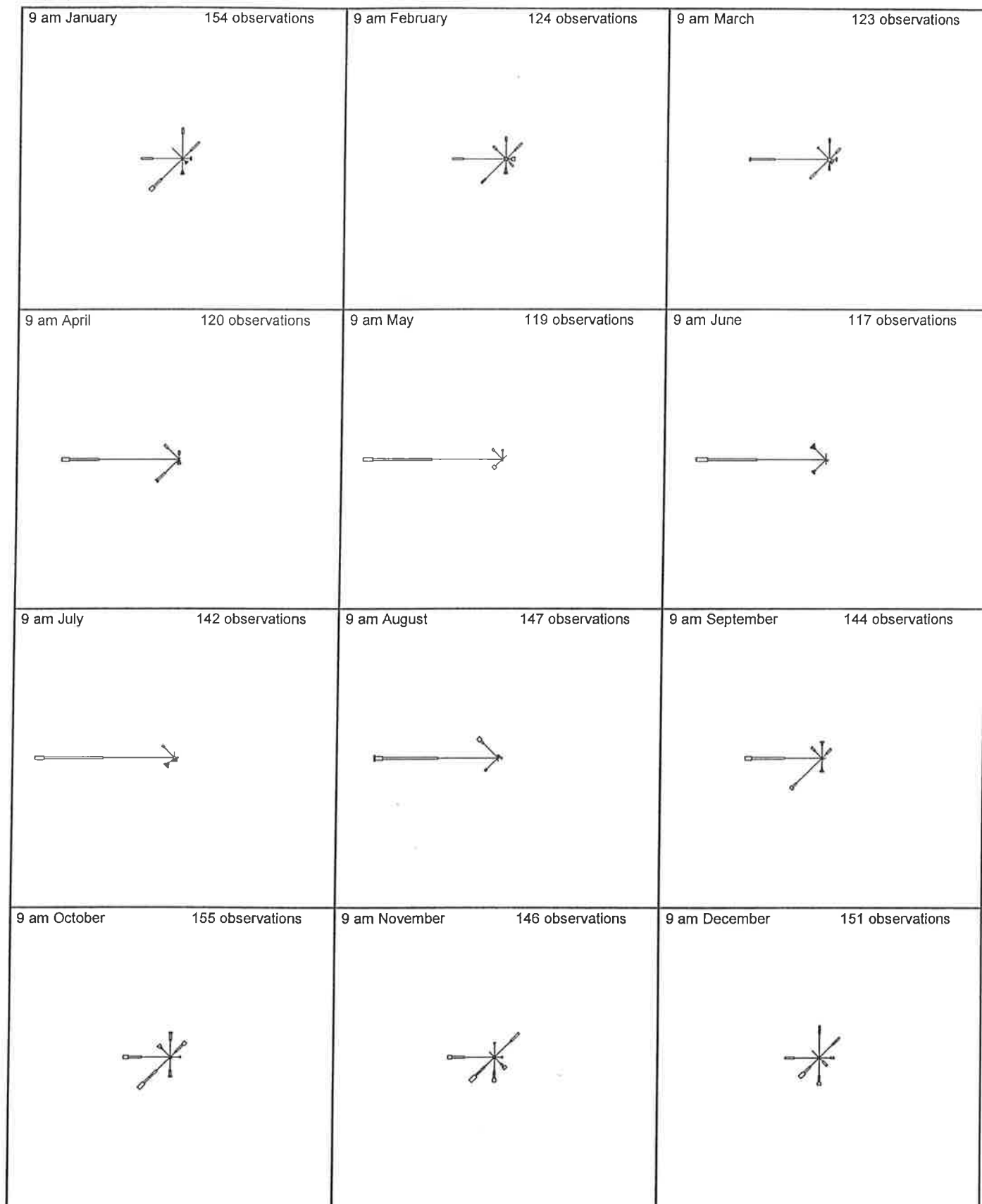
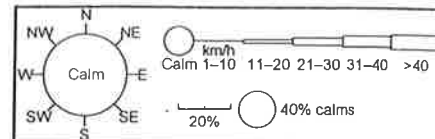
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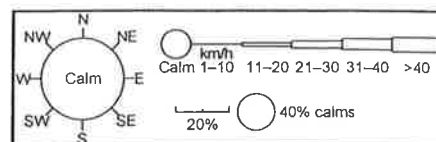
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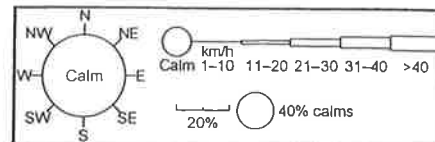
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12 pm April 119 observations 	12 pm May 119 observations 	12 pm June 119 observations 
12 pm July 144 observations 	12 pm August 147 observations 	12 pm September 147 observations 
12 pm October 151 observations 	12 pm November 145 observations 	12 pm December 153 observations 



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3 pm January 155 observations 	3 pm February 121 observations 	3 pm March 122 observations 
3 pm April 120 observations 	3 pm May 119 observations 	3 pm June 119 observations 
3 pm July 144 observations 	3 pm August 145 observations 	3 pm September 145 observations 
3 pm October 153 observations 	3 pm November 146 observations 	3 pm December 153 observations 



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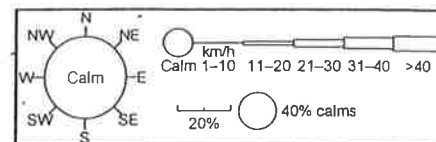
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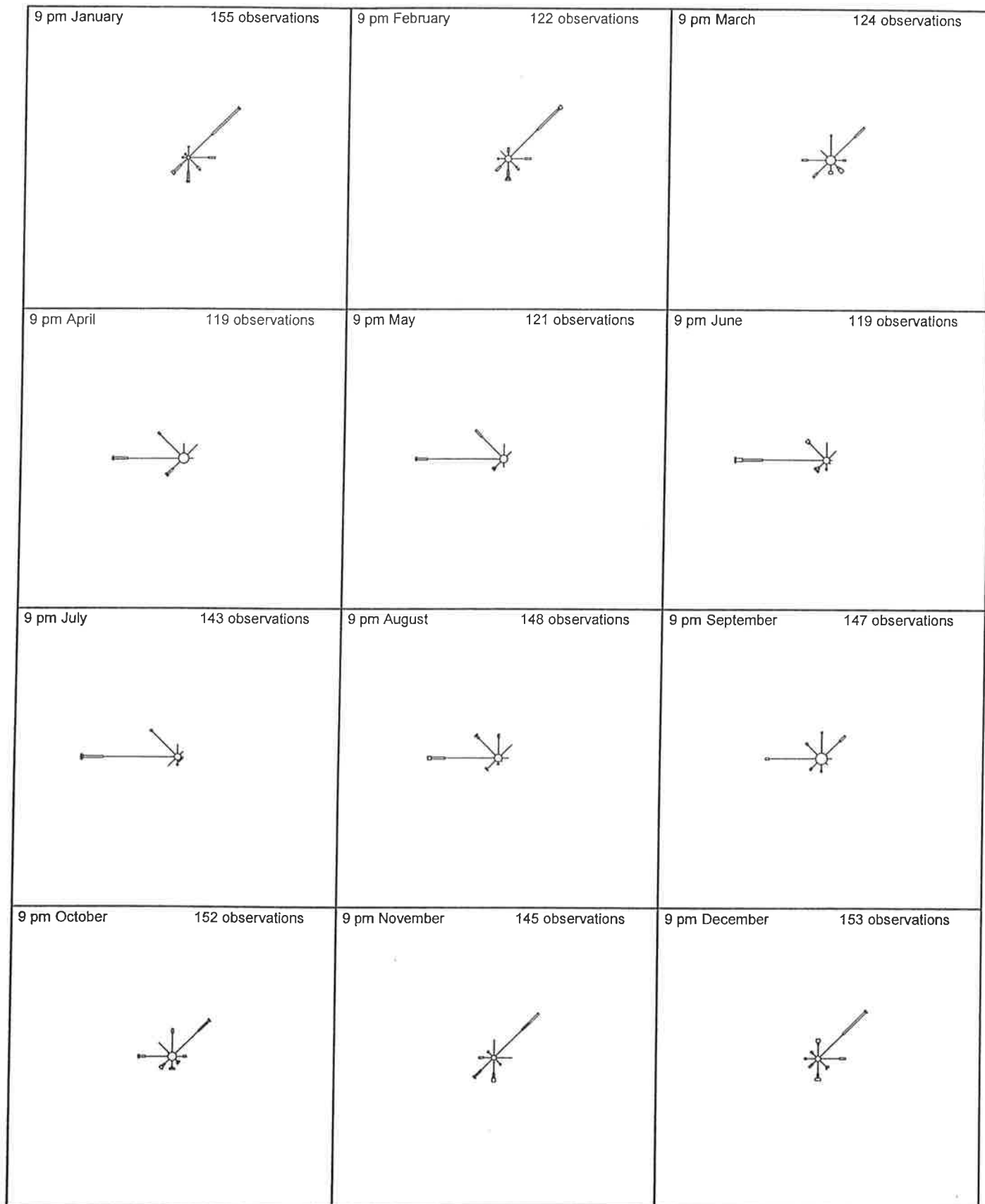
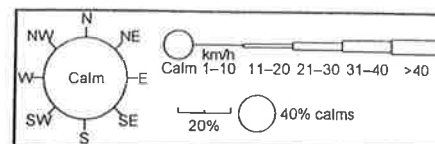
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6 pm April 120 observations 	6 pm May 122 observations 	6 pm June 119 observations 
6 pm July 142 observations 	6 pm August 147 observations 	6 pm September 147 observations 
6 pm October 153 observations 	6 pm November 145 observations 	6 pm December 153 observations 



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sin_num	Time	Number_O	Calms	Speed_Rai	N	NE	E	SE	S	SW	W	NW	timeIndex	spdIndex	
60141	12 am January	154	21.42857	1-10 km/h	9.090909	13.63636	3.896104	0.649351	5.194805	6.493506	9.090909	7.792208	1	1	
60141	12 am January	154	21.42857	11-20 km/h	1.948052	11.03896	1.948052		1.948052	3.246753	1.298701	0.649351	1	2	
60141	12 am January	154	21.42857	21-30 km/h							0.649351		1	3	
60141	12 am January	154	21.42857	31-40 km/h									1	4	
60141	12 am January	154	21.42857	>40 km/h									1	5	
60141	12 am February	123	21.13821	1-10 km/h	8.130081	14.63415	4.878049	0.813008	4.878049	3.252033	17.07317	6.504065	2	1	
60141	12 am February	123	21.13821	11-20 km/h	2.439024	8.943089	1.626016	0.813008	1.626016		2.439024		2	2	
60141	12 am February	123	21.13821	21-30 km/h			0.813008						2	3	
60141	12 am February	123	21.13821	31-40 km/h									2	4	
60141	12 am February	123	21.13821	>40 km/h									2	5	
60141	12 am March	120	25	1-10 km/h	7.5	13.33333	0.833333		3.333333	5.833333	21.66667	5.833333	3	1	
60141	12 am March	120	25	11-20 km/h	1.666667	3.333333	0.833333	0.833333	0.833333	3.333333	3.333333		3	2	
60141	12 am March	120	25	21-30 km/h				0.833333	1.666667				3	3	
60141	12 am March	120	25	31-40 km/h									3	4	
60141	12 am March	120	25	>40 km/h									3	5	
60141	12 am April	117	25.64103	1-10 km/h	4.273504	1.709402	0.854701		1.709402	5.128205	32.47863	16.23932	4	1	
60141	12 am April	117	25.64103	11-20 km/h							10.25641	0.854701	4	2	
60141	12 am April	117	25.64103	21-30 km/h							0.854701		4	3	
60141	12 am April	117	25.64103	31-40 km/h									4	4	
60141	12 am April	117	25.64103	>40 km/h									4	5	
60141	12 am May	122	14.7541	1-10 km/h	7.377049	0.819672	0.819672	0.819672		4.098361	44.26229	4.918033	5	1	
60141	12 am May	122	14.7541	11-20 km/h						3.278688	13.93443	2.459016	5	2	
60141	12 am May	122	14.7541	21-30 km/h						0.819672	0.819672	0.819672	5	3	
60141	12 am May	122	14.7541	31-40 km/h									5	4	
60141	12 am May	122	14.7541	>40 km/h									5	5	
60141	12 am June	118	14.40678	1-10 km/h	6.779661				0.847458	1.694915	38.13559	9.322034	6	1	
60141	12 am June	118	14.40678	11-20 km/h	0.847458					0.847458	18.64407	5.932203	6	2	
60141	12 am June	118	14.40678	21-30 km/h							1.694915	0.847458	6	3	
60141	12 am June	118	14.40678	31-40 km/h									6	4	
60141	12 am June	118	14.40678	>40 km/h									6	5	
60141	12 am July	139	15.10791	1-10 km/h	4.316547	5.035971			2.877698	3.597122	34.53238	12.94964	7	1	
60141	12 am July	139	15.10791	11-20 km/h						1.438849	15.10791	0.719425	7	2	
60141	12 am July	139	15.10791	21-30 km/h				0.719425		0.719425	1.438849	0.719425	7	3	
60141	12 am July	139	15.10791	31-40 km/h				0.719425					7	4	
60141	12 am July	139	15.10791	>40 km/h									7	5	
60141	12 am August	145	21.37931	1-10 km/h	6.206897	2.068965		0.689655	0.689655	6.896552	30.34483	13.10345	8	1	
60141	12 am August	145	21.37931	11-20 km/h	0.689655	1.37931	0.689655		0.689655		8.965517	2.758621	8	2	
60141	12 am August	145	21.37931	21-30 km/h						0.689655	2.758621		8	3	
60141	12 am August	145	21.37931	31-40 km/h									8	4	
60141	12 am August	145	21.37931	>40 km/h									8	5	
60141	12 am September	143	30.06993	1-10 km/h	6.293706	3.496504	1.398601	0.699301	0.699301	7.692307	23.07692	13.28671	9	1	
60141	12 am September	143	30.06993	11-20 km/h	0.699301	2.797203	0.699301		0.699301	1.398801	4.895105	0.699301	9	2	
60141	12 am September	143	30.06993	21-30 km/h							1.398601		9	3	
60141	12 am September	143	30.06993	31-40 km/h									9	4	
60141	12 am September	143	30.06993	>40 km/h									9	5	
60141	12 am October	150	24	1-10 km/h	7.333333	10.66667	4.666667				6	22.66667	9.333333	10	1
60141	12 am October	150	24	11-20 km/h		3.333333	0.666667	0.666667	1.333333			6.666667	0.666667	10	2
60141	12 am October	150	24	21-30 km/h									10	3	
60141	12 am October	150	24	31-40 km/h									10	4	
60141	12 am October	150	24	>40 km/h									10	5	
60141	12 am November	144	17.36111	1-10 km/h	10.41667	13.19444	4.166667		3.472222	4.861111	15.97222	11.80556	11	1	
60141	12 am November	144	17.36111	11-20 km/h	0.694444	4.166667	0.694444		0.694444	4.861111	5.555555		11	2	
60141	12 am November	144	17.36111	21-30 km/h						0.694444	0.694444		11	3	
60141	12 am November	144	17.36111	31-40 km/h						0.694444			11	4	
60141	12 am November	144	17.36111	>40 km/h									11	5	
60141	12 am December	151	14.56954	1-10 km/h	15.23179	19.86755	2.649007	2.649007	3.97351	5.298013	13.24503	5.960265	12	1	
60141	12 am December	151	14.56954	11-20 km/h	1.324503	3.311258		0.662252	1.324503	3.311258	3.311258	0.662252	12	2	
60141	12 am December	151	14.56954	21-30 km/h			0.662252	0.662252	0.662252	0.662252			12	3	
60141	12 am December	151	14.56954	31-40 km/h									12	4	
60141	12 am December	151	14.56954	>40 km/h									12	5	
60141	3 am January	154	24.67533	1-10 km/h	9.74026	14.28571	2.597403		3.896104	3.896104	20.12987	11.03896	13	1	
60141	3 am January	154	24.67533	11-20 km/h	1.298701	3.246753		0.649351		1.298701	1.298701	0.649351	13	2	
60141	3 am January	154	24.67533	21-30 km/h					0.649351	0.649351			13	3	
60141	3 am January	154	24.67533	31-40 km/h									13	4	
60141	3 am January	154	24.67533	>40 km/h									13	5	
60141	3 am February	124	25.80645	1-10 km/h	9.67742	9.67742	2.419355	0.806452	2.419355	5.645161	17.74194	10.48387	14	1	
60141	3 am February	124	25.80645	11-20 km/h	0.806452	5.645161	2.419355	0.806452	2.419355	2.419355	0.806452		14	2	
60141	3 am February	124	25.80645	21-30 km/h									14	3	
60141	3 am February	124	25.80645	31-40 km/h									14	4	
60141	3 am February	124	25.80645	>40 km/h									14	5	
60141	3 am March	124	32.25806	1-10 km/h	4.83871	8.870968			1.612903	5.645161	23.3871	5.645161	15	1	
60141	3 am March	124	32.25806	11-20 km/h		1.612903	0.806452	0.806452	3.225806	2.419355	7.258065		15	2	
60141	3 am March	124	32.25806	21-30 km/h						1.612903			15	3	
60141	3 am March	124	32.25806	31-40 km/h									15	4	
60141	3 am March	124	32.25806	>40 km/h									15	5	
60141	3 am April	119	17.64706	1-10 km/h	6.722689	1.680672		0.840336		3.361345	36.13445	16.80672	16	1	
60141	3 am April	119	17.64706	11-20 km/h		0.840336			2.521008	1.680672	10.92437		16	2	
60141	3 am April	119	17.64706	21-30 km/h						0.840336			16	3	
60141	3 am April	119	17.64706	31-40 km/h									16	4	
60141	3 am April	119	17.64706	>40 km/h									16	5	
60141	3 am May	122	11.47541	1-10 km/h	4.098361	3.278688				3.278688	46.72131	13.93443	17	1	
60141	3 am May	122	11.47541	11-20 km/h						0.819672	13.11475	2.459016	17	2	
60141	3 am May	122	11.47541	21-30 km/h							0.819672		17	3	
60141	3 am May	122	11.47541	31-40 km/h									17	4	
60141	3 am May	122	11.47541	>40 km/h									17	5	
60141	3 am June	118	10.16949	1-10 km/h	10.16949	0.847458	0.847458			4.237288	35.59322	9.322034	18	1	
60141	3 am June	118	10.16949	11-20 km/h		0.847458				0.847458	22.0339	0.847458	18	2	
60141	3 am June	118	10.16949	21-30 km/h				0.847458			2.542373	0.847458	18	3	
60141	3 am June	118	10.16949	31-40 km/h									18	4	

60141	3 am June	118	10.16949	>40 km/h														18	5
60141	3 am July	139	11.51079	1–10 km/h	6.47482	2.158273				4.316547	40.28777	13.66906						19	1
60141	3 am July	139	11.51079	11–20 km/h					0.719425			10.79137	4.316547					19	2
60141	3 am July	139	11.51079	21–30 km/h					0.719425	0.719425	2.158273	2.158273						19	3
60141	3 am July	139	11.51079	31–40 km/h														19	4
60141	3 am July	139	11.51079	>40 km/h														19	5
60141	3 am August	146	15.75342	1–10 km/h	7.534246	0.684932	1.369863	0.684932	2.739726	3.424658	34.24657	16.43836						20	1
60141	3 am August	146	15.75342	11–20 km/h	0.684932	0.684932			0.684932	1.369863	9.589041	2.054795						20	2
60141	3 am August	146	15.75342	21–30 km/h	0.684932						1.369863							20	3
60141	3 am August	146	15.75342	31–40 km/h														20	4
60141	3 am August	146	15.75342	>40 km/h														20	5
60141	3 am September	145	26.2069	1–10 km/h	5.517241	4.827586	1.37931	0.689655	0.689655	8.275862	33.10345	10.34483						21	1
60141	3 am September	145	26.2069	11–20 km/h	0.689655	0.689655				0.689655	4.827586	1.37931						21	2
60141	3 am September	145	26.2069	21–30 km/h						0.689655								21	3
60141	3 am September	145	26.2069	31–40 km/h														21	4
60141	3 am September	145	26.2069	>40 km/h														21	5
60141	3 am October	150	24	1–10 km/h	6.666667	4.666667	3.333333		2.666667	7.333333	28.66667	10.66667						22	1
60141	3 am October	150	24	11–20 km/h	1.333333	2			0.666667	2	5.333333							22	2
60141	3 am October	150	24	21–30 km/h						0.666667								22	3
60141	3 am October	150	24	31–40 km/h														22	4
60141	3 am October	150	24	>40 km/h														22	5
60141	3 am November	144	27.77778	1–10 km/h	6.25	8.333333			0.694444	4.166667	5.555555	20.13889	9.722222					23	1
60141	3 am November	144	27.77778	11–20 km/h	2.777778				0.694444	2.083333	2.777778	6.25						23	2
60141	3 am November	144	27.77778	21–30 km/h						0.694444	1.388889	0.694444						23	3
60141	3 am November	144	27.77778	31–40 km/h														23	4
60141	3 am November	144	27.77778	>40 km/h														23	5
60141	3 am December	151	28.47682	1–10 km/h	9.271523	6.622517	1.986755	0.662252	3.311258	6.622517	19.2053	11.25828						24	1
60141	3 am December	151	28.47682	11–20 km/h		3.97351		0.662252	1.324503	2.649007	2.649007							24	2
60141	3 am December	151	28.47682	21–30 km/h					1.324503									24	3
60141	3 am December	151	28.47682	31–40 km/h														24	4
60141	3 am December	151	28.47682	>40 km/h														24	5
60141	6 am January	153	25.4902	1–10 km/h	7.189542	4.575163	0.653595	1.30719	4.575163	5.882353	27.45098	14.37908						25	1
60141	6 am January	153	25.4902	11–20 km/h		1.30719				4.575163	1.960784	0.653595						25	2
60141	6 am January	153	25.4902	21–30 km/h														25	3
60141	6 am January	153	25.4902	31–40 km/h														25	4
60141	6 am January	153	25.4902	>40 km/h														25	5
60141	6 am February	121	23.1405	1–10 km/h	12.39669	5.785124	2.479339	0.826446	2.479339	5.785124	22.31405	11.57025						26	1
60141	6 am February	121	23.1405	11–20 km/h		1.652893	1.652893		2.479339	2.479339	4.132231							26	2
60141	6 am February	121	23.1405	21–30 km/h					0.826446									26	3
60141	6 am February	121	23.1405	31–40 km/h														26	4
60141	6 am February	121	23.1405	>40 km/h														26	5
60141	6 am March	123	32.52032	1–10 km/h	3.252033	4.065041		0.813008	2.439024	4.065041	27.64228	9.756098						27	1
60141	6 am March	123	32.52032	11–20 km/h		2.439024	0.813008	0.813008	0.813008	0.813008	7.317073							27	2
60141	6 am March	123	32.52032	21–30 km/h			0.813008		0.813008	0.813008								27	3
60141	6 am March	123	32.52032	31–40 km/h						0.813008								27	4
60141	6 am March	123	32.52032	>40 km/h														27	5
60141	6 am April	119	16.80672	1–10 km/h	5.882353	1.680672			2.521008	1.680672	40.33614	15.12605						28	1
60141	6 am April	119	16.80672	11–20 km/h		0.840336				3.361345	8.403361	0.840336						28	2
60141	6 am April	119	16.80672	21–30 km/h					0.840336	0.840336	0.840336							28	3
60141	6 am April	119	16.80672	31–40 km/h														28	4
60141	6 am April	119	16.80672	>40 km/h														28	5
60141	6 am May	121	9.090909	1–10 km/h	6.61157	1.652893				3.305785	39.66942	17.35537						29	1
60141	6 am May	121	9.090909	11–20 km/h						1.652893	17.35537	2.479339						29	2
60141	6 am May	121	9.090909	21–30 km/h							0.826446							29	3
60141	6 am May	121	9.090909	31–40 km/h														29	4
60141	6 am May	121	9.090909	>40 km/h														29	5
60141	6 am June	118	8.474576	1–10 km/h	5.932203	0.847458		0.847458		2.542373	41.52542	13.55932						30	1
60141	6 am June	118	8.474576	11–20 km/h		0.847458		0.847458		1.694915	18.64407	2.542373						30	2
60141	6 am June	118	8.474576	21–30 km/h							1.694915							30	3
60141	6 am June	118	8.474576	31–40 km/h														30	4
60141	6 am June	118	8.474576	>40 km/h														30	5
60141	6 am July	143	10.48951	1–10 km/h	5.594406	4.195804			0.699301	3.496504	34.96503	11.18881						31	1
60141	6 am July	143	10.48951	11–20 km/h	2.097902						21.67832	1.398601						31	2
60141	6 am July	143	10.48951	21–30 km/h					0.699301	0.699301	2.797203							31	3
60141	6 am July	143	10.48951	31–40 km/h														31	4
60141	6 am July	143	10.48951	>40 km/h														31	5
60141	6 am August	145	13.7931	1–10 km/h	6.206897	0.689655	1.37931			2.068965	37.24138	19.31034						32	1
60141	6 am August	145	13.7931	11–20 km/h	0.689655	1.37931					13.7931	2.068965						32	2
60141	6 am August	145	13.7931	21–30 km/h							1.37931							32	3
60141	6 am August	145	13.7931	31–40 km/h														32	4
60141	6 am August	145	13.7931	>40 km/h														32	5
60141	6 am September	145	25.51724	1–10 km/h	8.275862	2.758621	1.37931		2.068965	2.758621	31.72414	16.55172						33	1
60141	6 am September	145	25.51724	11–20 km/h		0.689655			0.689655	6.206897	0.689655							33	2
60141	6 am September	145	25.51724	21–30 km/h							0.689655							33	3
60141	6 am September	145	25.51724	31–40 km/h														33	4
60141	6 am September	145	25.51724	>40 km/h														33	5
60141	6 am October	152	28.94737	1–10 km/h	4.605263	4.605263	0.657895		2.631579	4.605263	32.23684	9.210526						34	1
60141	6 am October	152	28.94737	11–20 km/h	0.657895	1.973684			0.657895	1.973684	5.921052	1.315789						34	2
60141	6 am October	152	28.94737	21–30 km/h														34	3
60141	6 am October	152	28.94737	31–40 km/h														34	4
60141	6 am October	152	28.94737	>40 km/h														34	5
60141	6 am November	140	21.42857	1–10 km/h	10.71429	7.142857		1.428571	0.714286	5	28.57143	7.142857						35	1
60141	6 am November	140	21.42857	11–20 km/h		1.428571		0.714286	1.428571	2.142857	10							35	2
60141	6 am November	140	21.42857	21–30 km/h				0.714286		0.714286	0.714286							35	3
60141	6 am November	140	21.42857	31–40 km/h														35	4
60141	6 am November	140	21.42857	>40 km/h														35	5
60141	6 am December	148	31.75676	1–10 km/h	9.459459	5.405406	1.351351	0.675676	1.351351	6.756757	20.94595	14.86487						3	

[illegible]

60141 12 pm June	119	1.680672	>40 km/h									0.840336	54	5
60141 12 pm July	144	2.777778	1-10 km/h	3.472222	3.472222	5.555555	2.083333	3.472222	9.027778	15.27778	4.861111		55	1
60141 12 pm July	144	2.777778	11-20 km/h				0.694444	2.083333	17.36111	10.41667	0.694444		55	2
60141 12 pm July	144	2.777778	21-30 km/h					2.083333	6.944445	6.25			55	3
60141 12 pm July	144	2.777778	31-40 km/h					0.694444	0.694444	1.388889			55	4
60141 12 pm July	144	2.777778	>40 km/h								0.694444		55	5
60141 12 pm August	147	0.680272	1-10 km/h	4.081633	4.081633	3.401361	5.442177	13.60544	1.360544	6.122449	2.721088		56	1
60141 12 pm August	147	0.680272	11-20 km/h	3.401361	5.442177	4.761905	2.721088	3.401361	7.482993	12.92517	2.721088		56	2
60141 12 pm August	147	0.680272	21-30 km/h					0.680272	6.122449	4.761905	3.401361		56	3
60141 12 pm August	147	0.680272	31-40 km/h							0.680272			56	4
60141 12 pm August	147	0.680272	>40 km/h										56	5
60141 12 pm September	147		1-10 km/h	4.761905	4.761905	7.482993	2.721088	6.122449	4.081633	6.802721	2.040816		57	1
60141 12 pm September	147		11-20 km/h	6.122449	6.802721	8.163265	6.122449	6.122449	4.761905	4.761905	0.680272		57	2
60141 12 pm September	147		21-30 km/h	0.680272	0.680272	0.680272	2.721088	3.401361	2.721088	3.401361	0.680272		57	3
60141 12 pm September	147		31-40 km/h						0.680272	2.040816			57	4
60141 12 pm September	147		>40 km/h										57	5
60141 12 pm October	151		1-10 km/h	2.649007	5.960265	7.284768	1.986755	4.635762	1.986755	1.986755	1.986755		58	1
60141 12 pm October	151		11-20 km/h	6.622517	3.311258	9.271523	8.609271	3.97351	5.298013	8.609271	2.649007		58	2
60141 12 pm October	151		21-30 km/h		2.649007	3.97351	4.635762	3.311258	3.311258	1.986755	1.324503		58	3
60141 12 pm October	151		31-40 km/h					0.662252	0.662252	0.662252			58	4
60141 12 pm October	151		>40 km/h										58	5
60141 12 pm November	145	1.37931	1-10 km/h	4.137931	2.758621	3.448276	1.37931	3.448276	2.068965	0.689655			59	1
60141 12 pm November	145	1.37931	11-20 km/h	2.068965	8.965517	17.93103	16.55172	4.137931	2.758621	4.137931	1.37931		59	2
60141 12 pm November	145	1.37931	21-30 km/h		3.448276		6.206897	7.586207	2.068965	2.068965			59	3
60141 12 pm November	145	1.37931	31-40 km/h				0.689655	0.689655					59	4
60141 12 pm November	145	1.37931	>40 km/h										59	5
60141 12 pm December	153		1-10 km/h	1.960784	5.228758	5.228758	1.30719	3.267974	3.921569	3.267974	1.960784		60	1
60141 12 pm December	153		11-20 km/h	3.921569	11.76471	16.99346	14.37908	4.575163	1.960784	3.267974	1.960784		60	2
60141 12 pm December	153		21-30 km/h		1.30719	3.267974	4.575163	5.228758					60	3
60141 12 pm December	153		31-40 km/h										60	4
60141 12 pm December	153		>40 km/h						0.653595				60	5
60141 3 pm January	155		1-10 km/h		0.645161	0.645161	0.645161						61	1
60141 3 pm January	155		11-20 km/h	1.290323	2.580645	17.41936	12.90323	3.870968	0.645161	1.290323			61	2
60141 3 pm January	155		21-30 km/h		7.096774	27.09678	14.19355	3.225806	0.645161				61	3
60141 3 pm January	155		31-40 km/h		1.935484		2.580645				0.645161		61	4
60141 3 pm January	155		>40 km/h										61	5
60141 3 pm February	121		1-10 km/h	0.826446	0.826446	1.652893	0.826446	2.479339					62	1
60141 3 pm February	121		11-20 km/h	0.826446	4.958678	19.00826	14.87603	4.958678	2.479339		0.826446		62	2
60141 3 pm February	121		21-30 km/h		6.61157	18.18182	9.090909	5.785124		0.826446			62	3
60141 3 pm February	121		31-40 km/h		3.305785	1.652893							62	4
60141 3 pm February	121		>40 km/h										62	5
60141 3 pm March	122	0.819672	1-10 km/h	2.459016	2.459016	2.459016	0.819672				1.639344		63	1
60141 3 pm March	122	0.819672	11-20 km/h	0.819672	7.377049	21.31148	15.57377	9.016394	2.459016	0.819672			63	2
60141 3 pm March	122	0.819672	21-30 km/h		2.459016	9.836065	9.836065	7.377049	0.819672				63	3
60141 3 pm March	122	0.819672	31-40 km/h					1.639344					63	4
60141 3 pm March	122	0.819672	>40 km/h										63	5
60141 3 pm April	120	0.833333	1-10 km/h	3.333333	1.666667	5	3.333333	4.166667	1.666667	0.833333	1.666667		64	1
60141 3 pm April	120	0.833333	11-20 km/h	0.833333	6.666667	16.66667	14.16667	10.83333	4.166667	3.333333	1.666667		64	2
60141 3 pm April	120	0.833333	21-30 km/h		2.5	3.333333	1.666667	4.166667	5	0.833333	0.833333		64	3
60141 3 pm April	120	0.833333	31-40 km/h					0.833333					64	4
60141 3 pm April	120	0.833333	>40 km/h										64	5
60141 3 pm May	119	0.840336	1-10 km/h	2.521008	5.042017	4.201681	4.201681	5.042017	5.042017	7.563025	2.521008		65	1
60141 3 pm May	119	0.840336	11-20 km/h	1.680672	2.521008	10.08403	10.08403	5.042017	10.92437	9.243697	1.680672		65	2
60141 3 pm May	119	0.840336	21-30 km/h		1.680672			1.680672	4.201681	1.680672	2.521008		65	3
60141 3 pm May	119	0.840336	31-40 km/h										65	4
60141 3 pm May	119	0.840336	>40 km/h										65	5
60141 3 pm June	119	4.201681	1-10 km/h	5.042017	3.361345	5.882353	3.361345	7.563025	5.882353	2.521008	2.521008		66	1
60141 3 pm June	119	4.201681	11-20 km/h	1.680672	4.201681	5.042017	5.882353	4.201681	19.32773	6.722689	1.680672		66	2
60141 3 pm June	119	4.201681	21-30 km/h						2.521008	3.361345	0.840336		66	3
60141 3 pm June	119	4.201681	31-40 km/h						2.521008	1.680672	0.840336		66	4
60141 3 pm June	119	4.201681	>40 km/h								0.840336		66	5
60141 3 pm July	144	0.694444	1-10 km/h	6.944445	2.777778	6.944445	4.166667	6.25	6.944445	6.25	0.694444		67	1
60141 3 pm July	144	0.694444	11-20 km/h	0.694444	2.777778	4.861111	7.638889	9.027778	10.41667	4.861111	0.694444		67	2
60141 3 pm July	144	0.694444	21-30 km/h		0.694444			2.777778	8.333333	3.472222	1.388889		67	3
60141 3 pm July	144	0.694444	31-40 km/h						0.694444				67	4
60141 3 pm July	144	0.694444	>40 km/h										67	5
60141 3 pm August	145		1-10 km/h	2.758621	2.068965	1.37931	2.068965	3.448276	2.758621	0.689655	0.689655		68	1
60141 3 pm August	145		11-20 km/h	2.068965	4.137931	19.31034	13.7931	4.827586	10.34483	2.758621	2.068965		68	2
60141 3 pm August	145		21-30 km/h		2.758621	2.758621	1.37931	1.37931	6.206897	6.896552	2.068965		68	3
60141 3 pm August	145		31-40 km/h							1.37931			68	4
60141 3 pm August	145		>40 km/h										68	5
60141 3 pm September	145	0.689655	1-10 km/h	1.37931	1.37931	2.758621	2.068965	0.689655	0.689655	0.689655			69	1
60141 3 pm September	145	0.689655	11-20 km/h	2.068965	4.827586	19.31034	8.275862	5.517241	2.758621	2.758621	1.37931		69	2
60141 3 pm September	145	0.689655	21-30 km/h	0.689655	11.03448	5.517241	10.34483	2.068965	2.068965	7.586207	0.689655		69	3
60141 3 pm September	145	0.689655	31-40 km/h			1.37931			0.689655	0.689655			69	4
60141 3 pm September	145	0.689655	>40 km/h										69	5
60141 3 pm October	153	0.653595	1-10 km/h	0.653595	1.30719	1.30719	1.960784	1.30719	0.653595	1.30719			70	1
60141 3 pm October	153	0.653595	11-20 km/h	1.960784	6.535948	17.64706	7.843137	2.614379	1.960784	1.30719	0.653595		70	2
60141 3 pm October	153	0.653595	21-30 km/h	0.653595	7.843137	11.76471	11.11111	3.921569	1.960784	4.575163	2.614379		70	3
60141 3 pm October	153	0.653595	31-40 km/h		3.267974	0.653595	0.653595	0.653595		0.653595			70	4
60141 3 pm October	153	0.653595	>40 km/h										70	5
60141 3 pm November	146		1-10 km/h	1.369863	0.684932	0.684932					2.054795		71	1
60141 3 pm November	146		11-20 km/h	0.684932	5.479452	18.49315	10.9589	4.79452	2.054795	2.739726			71	2
60141 3 pm November	146		21-30 km/h		5.479452	16.43836	12.32877	5.479452	2.054795		1.369863		71	3
60141 3 pm November	146		31-40 km/h		0.684932	0.684932	0.684932	4.109589		0.684932			71	4
60141 3 pm November	146		>40 km/h										71	5
60141 3 pm December	153	0.653595	1-10 km/h	1.30719		0.653595			0.653595	1.30719	1.30719		72	1
60141 3 pm December	153	0.653595	11-20 km/h	1.30719	3.921569	17.64706	7.189542	2.614379	1.30719	1.30719			72	2
60141 3 pm December	153	0.653595	21-30 km/h		7.189542	26.79739	13.72549	5.228758		0.653595			72	3
60141 3 pm December	153	0.653595	31-40 km/h		1.30719		0.653595	2.614379		0.653595			72	4



[illegible]

Filename: Tareetable.csv  
The file contains Wind Frequency Analyses  
Fields within each record are delimited by commas.  
Data were extracted for all years available.  
Months: all months  
Times: all times

Number	Name	Latitude	Longitude	Elevation	Opened or	Closed on	Locality
60141	Taree Airport AWS	31°53'23"S	152°30'44"E	8.0m	1997-06-1		Taree