



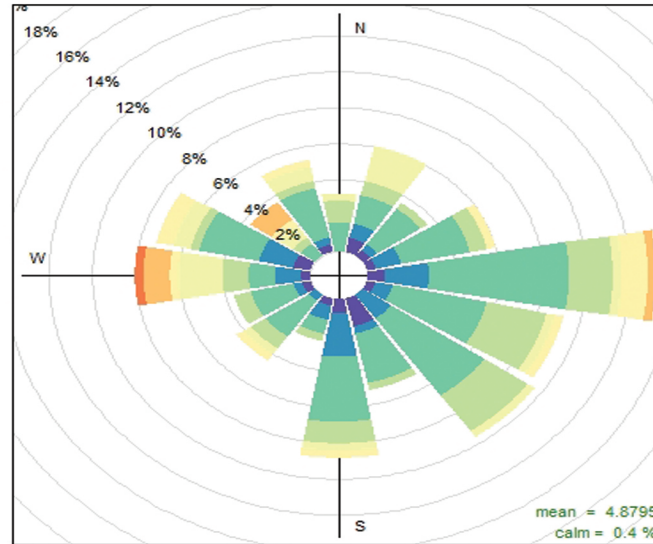
भारत सरकार / GOVERNMENT OF INDIA

पृथ्वी विज्ञान मंत्रालय/ MINISTRY OF EARTH SCIENCES

भारत मौसम विज्ञान भवन / INDIA METEOROLOGICAL DEPARTMENT

रेडियो सौन्डे और रेडियो विंड के मासिक सामान्य मूल्य (१९८१ - २०१०)  
तथा मासिक उपरिवायु के पवन दिग्दर्शक आरेख (२००० - २०१५)

MONTHLY NORMALS OF RADIOSONDE AND RADIOWIND (1981-2010) AND  
MONTHLY UPPER AIR WINDROSE DIAGRAMS (2000-2015)



कराईकल

KARAIKAL

सितम्बर २०२०

SEPTEMBER 2020



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जलवायु आंकड़ा प्रबंधन समूह / CLIMATE DATA MANAGEMENT AND SERVICES GROUP  
जलवायु अनुसंधान एवं सेवाएँ कार्यालय पुणे / OFFICE OF HEAD CLIMATE RESEARCH & SERVICES PUNE

सितम्बर २०२०  
SEPTEMBER 2020

## PREFACE

India Meteorological Department (IMD), Ministry of Earth Sciences, brings out publications on varied meteorological topics. Normals of Radiosonde and Radiowind data has been published by the Climate Data Management and Services Group (CDMS), Office of Climate Research and Services (C R & S), IMD Pune since 1979. Four such publications have been published till date. The present publication 'Monthly Normals of Radiosonde and Radiowind (1981-2010) and Monthly Upper Air Windrose Diagrams (2000-2015)' is prepared using 0000 UTC (0530 IST) observation data from 35 Radiosonde and Radiowind (RS/RW) Upper Air stations for the period 1981-2010 and wind profile data of 34 RS/RW stations for the period 2000-2015 at eight different levels (1000, 925, 850, 700, 500, 300, 200, 100 hPa). The wind rose diagrams are prepared using R software after processing the RS/RW data by applying various quality checks. The present publication provides the climatology of different meteorological parameters at various levels over the station **Karaikal** (Latitude  $10^{\circ}55'N$ , Longitude  $79^{\circ}50'E$ ).

The first part of this publication contains wind roses which provide comprehensive wind frequency information from each direction with various ranges of wind speed. Wind rose is a graphical tool prepared in order to summarise the information about wind speed and wind direction for the station. The tables adjoining to each wind rose diagrams contain information of frequency of occurrence of wind speed in percentage at different ranges of wind direction. In wind roses, the most regular structure comprises of a circle from which eight or sixteen lines come out, one for each direction. The length of each line denotes the occurrence of wind from that direction and the occurrence of calm conditions is entered in the centre. The wind rose diagrams prepared in this publication will be an essential source of information to the distribution pattern of wind direction and wind speed over the station. The information generated in this publication regarding wind roses is expected to be useful and have several applications in the fields such as environmental impact assessment, industrial emissions measurements, wind energy, agriculture engineering, ambient air monitoring, air quality measurements, air dispersion modelling, etc.

The second part of the publication contains information related to station normals which comprises of altitude of standard pressure levels (mean, highest and lowest), normal values of upper air temperatures (mean, highest, lowest and dew point), resultant wind direction, resultant wind velocity and scalar wind speed at standard pressure levels. Besides, it also contains normal values of pressure and altitude of freezing level and pressure, altitude and temperature of tropopause.

The entire work of this publication has been done by a group of officers and staff members led by Shri. Sudeep Kumar B L, Scientist- C, Shri Nahush Kulkarni, Scientist- C, CDMS Group, O/o Climate Research & Services (C R & S), IMD Pune under the guidance of Shri. A.D. Tathe, Scientist E, Group Head, CDMS Group. The valuable contributions were made by Shri. G.S. Dhekne, Met. B, Shri.R.M. Walke, Met. A, Shri. S.H. Bhagwat, Met. A, Shri. R.V. Ghoge, Met. A, Smt. Geetha Harikumar, Met. A, Smt. Hasina Nisar, Met. A, Smt. Vaishali Jadhav, Met A, Smt. S.H.Joshi, Met A and S.H. Sangale S.A. towards the preparation of this publication. It is hoped that the information from this publication will be useful to the scientific community and operational activities at their particular stations.

Pune

September 2020

**Dr. D. S. Pai**

Head C R & S

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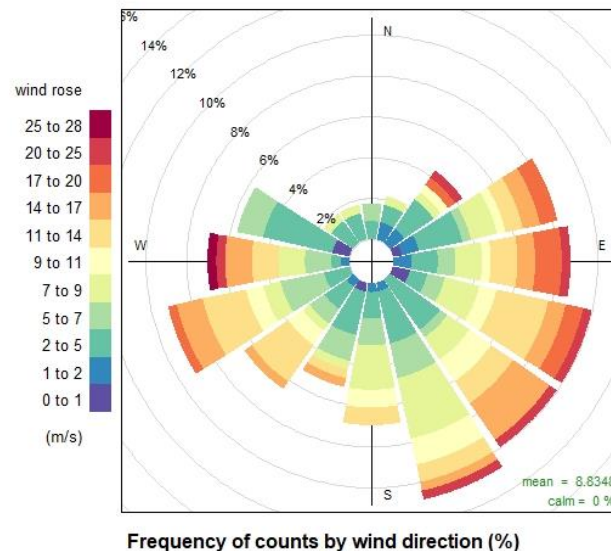
### Description of various terms used in the table (Normals of Radiosonde data)

SN.	Terms	Description
1	PRESSURE	Standard Pressure levels in hPa (1000 to 7 hPa)
2	HEIGHT	Mean altitude of isobaric levels in gpm.
3	Hmax	Highest altitude of monthly mean values in gpm.
4	Hmin	Lowest altitude of monthly mean values in gpm.
5	TEMP	Mean dry bulb air temperature in °C.
6	TMAX	Highest value of temperature in °C observed at particular isobaric level
7	TMIN	Lowest value of temperature in °C observed at particular isobaric level
8	DEWPT	Mean dew point temperature in °C.
9	DIR	Mean resultant wind direction in degrees .
10	VELO	Mean resultant wind velocity in mps (vector mean).
11	U	The resolved part of wind velocity in East direction (East component)
12	V	The resolved part of wind velocity in North direction (North component)
13	VM	Mean wind speed irrespective of direction in mps (scalar mean).
14	P	Mean pressure of freezing and tropopause levels in hPa .
15	Height	Altitude of freezing and tropopause levels in gpm .
16	H_max	Highest altitude of freezing level of monthly mean values in gpm.
17	H_min	Lowest altitude of freezing level of monthly mean values in gpm .
18	SURFACE	Station level atmospheric pressure in hPa.
19	FIRST TROPOPAUSE	Tropopause observed at altitude less than 14 Km .
20	SECOND TROPOPAUSE	Tropopause observed at altitude more than 14 Km .

### Description of terms used in the table (Wind rose table)

1	Speed	Range of wind velocity in mps
2	Direction	Range of wind direction in degrees

## Interpretation of wind rose diagrams:



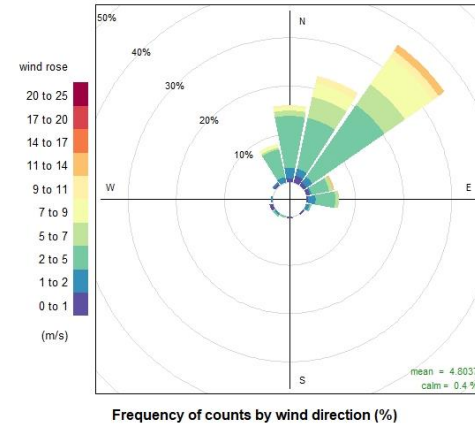
A wind rose diagrams at different upper air levels gives a very concise but information-laden view of how wind speed and direction are typically distributed at a particular location and month.

- The diagrams normally comprises of 8, 16 or 32 radiating spokes, which represent wind directions in terms of the cardinal wind directions (North East South West) and their intermediate directions.
- Presented in a circular format, the wind rose shows the frequency of winds blowing FROM particular directions.
- The length of each "spoke" around the circle is related to the frequency of time that the wind blows from a particular direction and each of the spokes are color-coded along their length to indicate the speed of the wind.
- Each concentric circle represents a different frequency, emanating from zero at the centre to increasing frequencies at the outer circles.

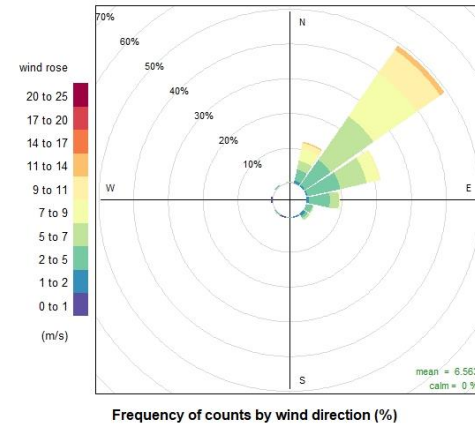
The circular format of the wind rose shows the direction the winds blew from and the length of each "spoke" around the circle shows how often the wind blew from that direction.



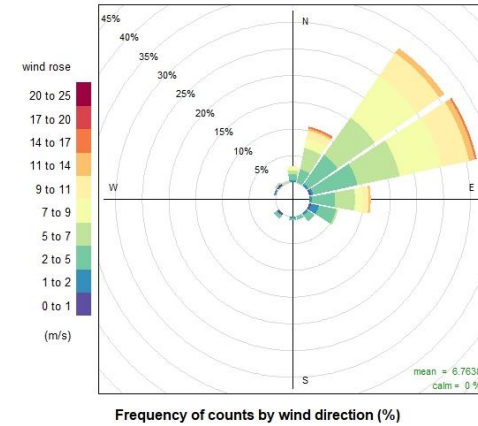
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12-33		1.5	1.5	10.7	4.4	3	1.5	0	0	0	0	0
34-56		0.7	1.5	18.1	5.2	7	1.5	1.5	0	0	0	0
57-78		0.7	0.4	3.7	0.7	0	0	0.4	0	0	0	0
79-101		0.4	1.5	4.1	0.7	0	0	0	0	0	0	0
102-123		0	0.7	0.4	0	0	0	0	0	0	0	0
124-146		0.4	0	0	0	0	0	0	0	0	0	0
147-168		0	0	0	0	0	0	0	0	0	0	0
168-191		0.4	0	0	0	0	0	0	0	0	0	0
192-213		0	0	0.4	0	0	0	0	0	0	0	0
214-236		0	0.4	0.4	0	0	0	0	0	0	0	0
237-258		0.7	0	0	0	0	0	0	0	0	0	0
259-281		0	0.4	0	0	0	0	0	0	0	0	0
282-303		0	0	0	0	0	0	0	0	0	0	0
304-326		0.4	0.4	0	0	0	0	0	0	0	0	0
327-348		0	1.1	5.9	0.4	0.7	0	0	0	0	0	0



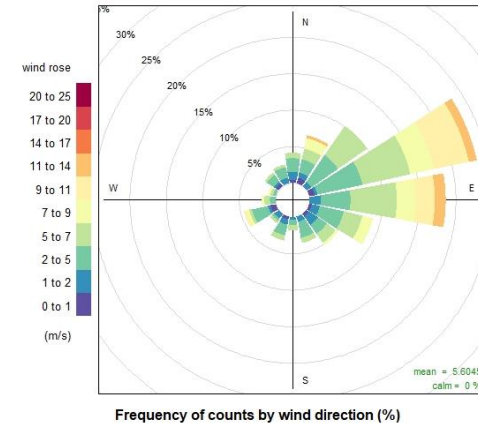
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349-11	0	0	0	0	0.4	0	0	0	0	0	0	0
12-33		0	0.7	3.3	2.6	3.7	1.5	0.4	0	0	0	0
34-56		0	0.4	8.9	15.2	15.2	8.1	1.5	0	0	0	0
57-78		0	0.4	9.6	7.8	3.7	0.4	0	0	0	0	0
79-101		0	0.7	5.9	2.6	0.4	0	0	0	0	0	0
102-123		0	0	1.9	0.4	0	0	0	0	0	0	0
124-146		0	0.7	0.7	0.7	0	0	0	0	0	0	0
147-168		0	0.4	0	0	0	0	0	0	0	0	0
168-191		0	0	0.4	0	0	0	0	0	0	0	0
192-213		0.4	0	0	0	0	0	0	0	0	0	0
214-236		0	0	0.4	0	0	0	0	0	0	0	0
237-258		0	0	0	0	0	0	0	0	0	0	0
259-281		0.4	0	0	0	0	0	0	0	0	0	0
282-303		0	0	0	0	0	0	0	0	0	0	0
304-326		0	0	0.4	0	0	0	0	0	0	0	0
327-348		0	0	0	0	0	0	0	0	0	0	0



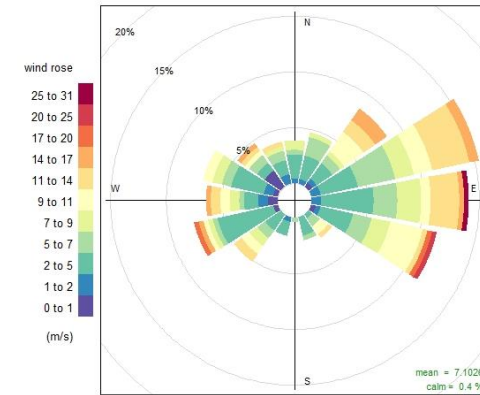
Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
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12-33	0	0	2.6	4.1	1.8	1.5	0.4	0.4	0	0	0	0
34-56	0	0.4	6.6	8.5	9.6	5.2	1.1	0	0	0	0	0
57-78	0.4	0.4	8.5	8.1	8.1	5.2	1.1	0.4	0	0	0	0
79-101	0	0.4	4.4	3.7	1.5	1.1	0.4	0	0	0	0	0
102-123	0.4	1.5	3.3	0.4	0	0	0	0	0	0	0	0
124-146	0	0.4	1.5	0	0	0	0	0	0	0	0	0
147-168	0	0	0.7	0	0	0	0	0	0	0	0	0
168-191	0	0.4	0.4	0	0	0	0	0	0	0	0	0
192-213	0	0	0	0	0	0	0	0	0	0	0	0
214-236	0.4	0	0.7	0	0	0	0	0	0	0	0	0
237-258	0	0	0	0	0	0	0	0	0	0	0	0
259-281	0	0	0	0	0	0	0	0	0	0	0	0
282-303	0	0.4	0	0	0	0	0	0	0	0	0	0
304-326	0.4	0	0	0.4	0	0	0	0	0	0	0	0
327-348	0	0	0	0.4	0	0	0	0	0	0	0	0



Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	0.4	1.1	1.9	0.7	0	0	0	0	0	0	0	0
12-33	0.7	0.7	1.9	1.5	1.5	0	0.4	0	0	0	0	0
34-56	0	0.7	4.5	4.9	0	0	0	0	0	0	0	0
57-78	0.7	0.4	6.3	6.7	3.4	4.9	1.1	0	0	0	0	0
79-101	0	1.5	4.1	6.3	2.6	2.6	1.5	0	0	0	0	0
102-123	0.4	1.1	3.4	2.6	1.5	0	0	0	0	0	0	0
124-146	0.4	1.5	1.5	1.5	0.4	0	0	0	0	0	0	0
147-168	0	0.7	2.2	0.7	0	0	0	0	0	0	0	0
168-191	0	0.4	0.7	0.7	0	0	0	0	0	0	0	0
192-213	0.4	0.7	1.5	0.7	0	0	0	0	0	0	0	0
214-236	0	0.7	0.4	0.4	0	0	0	0	0	0	0	0
237-258	0.7	0.4	2.2	0.4	0.4	0.4	0	0	0	0	0	0
259-281	0	0	0.7	0.7	0.4	0	0	0	0	0	0	0
282-303	0	0	0.4	0.4	0.4	0	0	0	0	0	0	0
304-326	0.4	0.4	1.1	0.4	0	0	0	0	0	0	0	0
327-348	0	0.7	1.5	0.4	0	0	0	0	0	0	0	0

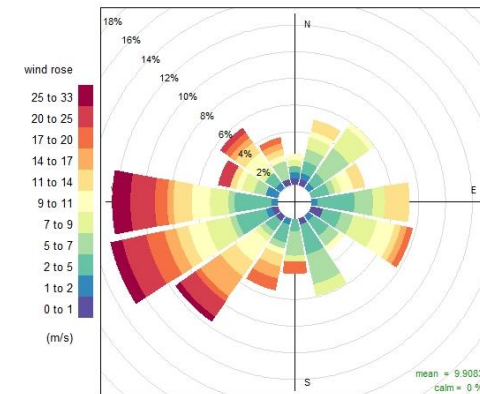


Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	0	0.4	2.1	0.4	0.9	0	0	0	0	0	0	0
12-33	0	0.4	2.1	1.7	0.4	0	0	0	0	0	0	0
34-56	0.4	0.4	1.7	0.9	0.4	2.1	1.3	1.3	0	0	0	0
57-78	0	0.9	3.4	3.4	1.7	1.7	3.4	0.9	0	0	0	0
79-101	0	0.9	4.7	2.1	2.1	0.9	2.6	0.4	0	0	0	0.4
102-123	0.4	0.4	3	1.7	1.7	3	0.4	0	0.4	0.4	0	0
124-146	0	0	0.4	0.9	0	0.9	0.4	0	0	0	0	0
147-168	0	0	1.7	0.4	0	0	0	0	0	0	0	0
168-191	0	0	0	0.4	0	0	0	0	0	0	0	0
192-213	0	0.4	1.3	0	0	0	0	0	0	0	0	0
214-236	0	0	1.7	0.9	0.9	0.9	0.9	0	0	0	0	0
237-258	0.4	0	5.1	0.4	0.4	0.4	0	0.4	0.4	0	0	0
259-281	0.9	0.9	1.3	0.4	0.9	0.9	0.9	0.4	0	0	0	0
282-303	0.4	0.9	3	0.9	0.9	0.9	0	0	0	0	0	0
304-326	1.7	0	0.9	0.9	0	0.4	0.4	0.4	0	0	0	0
327-348	0	0.9	1.3	0.9	0.4	0	0.4	0	0	0	0	0



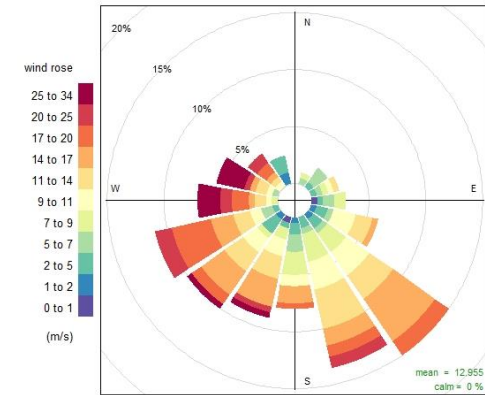
Frequency of counts by wind direction (%)

Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	0.5	0.5	0.5	0	0.5	0.5	0	0	0	0	0	0
12-33	0.5	0.5	0.9	0.9	0.9	0.5	0.9	0	0	0	0	0
34-56	0	0.5	0.9	2.3	1.8	0.5	0	0	0	0	0	0
57-78	0	0	1.4	0.5	0.5	0.9	0.9	0	0	0	0	0
79-101	0	0.5	2.8	1.4	0.9	0	1.8	0	0	0	0	0
102-123	0.9	0	1.4	0.9	1.8	1.4	0.5	0.5	0.5	0	0	0
124-146	0	0.5	1.4	0.9	0	0.5	0	0	0	0	0	0
147-168	0.5	0	2.3	2.3	0.9	0	0	0	0	0	0	0
168-191	0	0	0.9	1.8	0.5	0	0	0	0.9	0	0	0
192-213	0	0.5	1.4	0.5	0	0.5	0.9	0.9	0.9	0	0	0
214-236	0.5	0	0.9	0.5	0.5	1.8	1.4	1.8	0.5	1.4	0.5	0.5
237-258	0.5	0.5	2.3	0.5	1.8	1.4	0.9	0.9	1.4	1.8	0.9	0.9
259-281	0	0.5	2.8	0.5	1.4	1.4	1.4	0.5	0.9	1.8	1.4	1.4
282-303	0	0.9	0	0.9	0.9	0.5	0.5	0	0	0.9	0	0
304-326	0	0.5	0.9	0	0.5	1.4	0.9	0.5	0.5	0.5	0.5	0
327-348	0.5	0	0	1.4	0	0.5	0.5	0.5	0.5	0	0	0



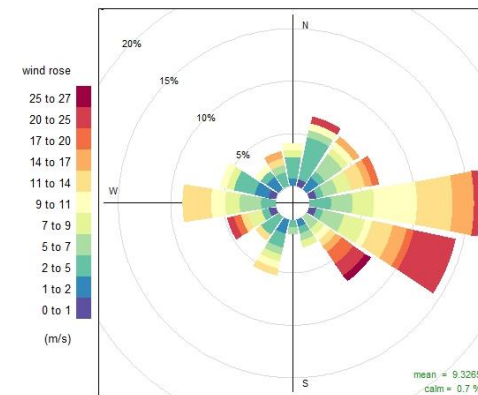
Frequency of counts by wind direction (%)

Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	0	0	0	0	0	0	0	0	0	0	0	0
12-33	0	0	0	0.5	0.5	0	0	0	0	0	0	0
34-56	0	0	0.5	1.5	0	0	0	0	0	0	0	0
57-78	0	0	0.5	0.5	0.5	0.5	0.5	0	0	0	0	0
79-101	0.5	0	0.5	1	1	0	0	0	0	0	0	0
102-123	0	0.5	1	0.5	0	2	1.5	0.5	0	0	0	0
124-146	0	0.5	1	0.5	2	2.5	2.5	4.5	1.5	0	0	0
147-168	0	0	1	0.5	2.5	2	3.5	1.5	1	1	0	0
168-191	0	0.5	1	1.5	2	1.5	0	1.5	0.5	0	0	0
192-213	0.5	0	0.5	0	1	1.5	2	2.5	0	0.5	0.5	0
214-236	0	0.5	1.5	0	0.5	1.5	2	2.5	1	0	0.5	0
237-258	0	0	0.5	1	0	1	1.5	2	3.5	1.5	0	0
259-281	0	0	0	0	0.5	0.5	1	0.5	1.5	1	2	0
282-303	0	0	0	0.5	0	0.5	1	0.5	0	0.5	2.5	0
304-326	0	0	0	0	0	0.5	0.5	0.5	1	1	0	0
327-348	0	1	1.5	0	0	0	0	0	0	0	0	0



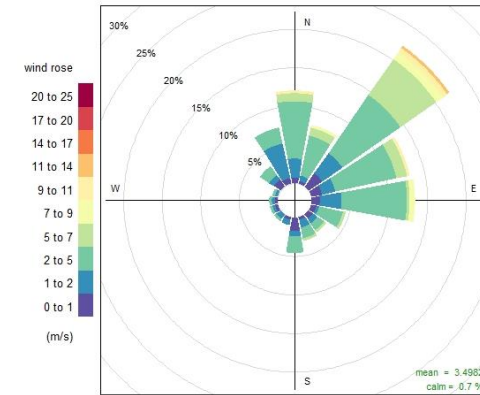
Frequency of counts by wind direction (%)

Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	0	0.7	2	0	0.7	0.7	0	0	0	0	0	0
12-33	0.7	0	4.1	0.7	0	0.7	0	0	0	0	0.7	0
34-56	0	1.4	0.7	2	0.7	0.7	0	0.7	0	0	0	0
57-78	0.7	0	0.7	1.4	1.4	0	1.4	0.7	0.7	0	0	0
79-101	0	0	2	2	2	4.1	3.4	2	0	0.7	0	0
102-123	0.7	0	0.7	2	2	0.7	2	1.4	0.7	4.1	0	0
124-146	0	0	0	1.4	0.7	0.7	0.7	0.7	1.4	1.4	0.7	0
147-168	0	0.7	0.7	0.7	0.7	0	0	0	0	0	0	0
168-191	0	0	0.7	0.7	0	0	0	0	0	0	0	0
192-213	0	1.4	1.4	0.7	0.7	0.7	0.7	0	0	0	0	0
214-236	0	0	2	0	0	0	0.7	0	0	0	0	0
237-258	0.7	0	0.7	0	1.4	0	0.7	0	0.7	0.7	0	0
259-281	0	0	1.4	2	1.4	1.4	2.7	0	0	0	0	0
282-303	0.7	1.4	2	0	0.7	0.7	0	0	0	0	0	0
304-326	0	1.4	0.7	0	0	0.7	0	0	0	0	0	0
327-348	0	0	1.4	0.7	0	0	0.7	0.7	0	0	0	0



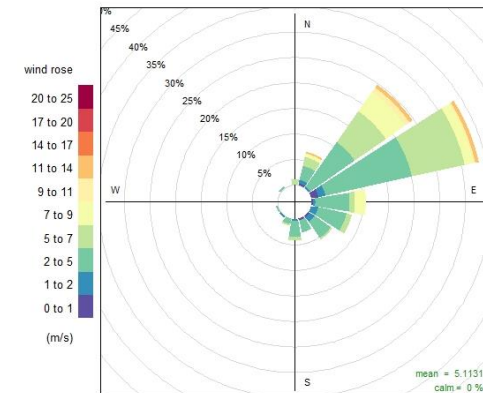
Frequency of counts by wind direction (%)

Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	1	0.7	2.5	7.4	1.1	0	0.4	0	0	0	0	0
12-33		0.4	0.7	5.3	1.1	0.4	0	0	0	0	0	0
34-56		2.1	3.2	9.2	5.7	1.1	0.7	0.4	0	0	0	0
57-78		1.4	1.8	8.1	1.4	0	0.4	0	0	0	0	0
79-101		1.1	2.8	8.5	0.4	0.7	0	0	0	0	0	0
102-123		0.7	0.4	3.2	0.4	0	0	0	0	0	0	0
124-146		0.7	0.7	1.1	0.4	0	0	0	0	0	0	0
147-168		0.4	1.1	1.4	0.4	0	0	0	0	0	0	0
168-191		1.8	0.7	2.1	0	0	0	0	0	0	0	0
192-213		0.4	0.7	0	0	0	0	0	0	0	0	0
214-236		0	0.7	0.4	0	0	0	0	0	0	0	0
237-258		0.4	0.4	0.4	0	0	0	0	0	0	0	0
259-281		0.4	0.4	0.4	0	0	0	0	0	0	0	0
282-303		0	0.4	0.4	0	0	0	0	0	0	0	0
304-326		1.1	0.7	1.4	0	0	0	0	0	0	0	0
327-348		0.7	4.6	2.1	0	0	0	0	0	0	0	0



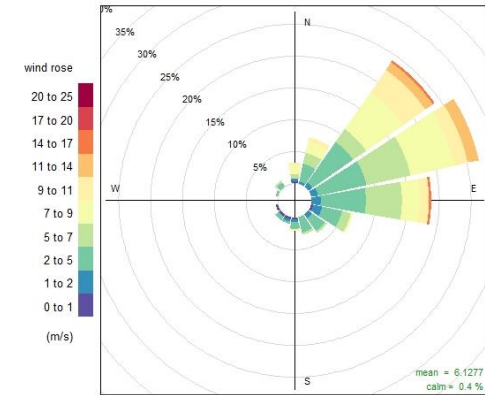
Frequency of counts by wind direction (%)

Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	0	0	0	0	1.1	0	0	0	0	0	0	0
12-33		0.4	0.7	2.8	1.8	0.7	0	0.4	0	0	0	0
34-56		0	0.4	10.6	7.4	4.6	1.1	0.7	0	0	0	0
57-78		1.4	1.4	17.3	10.6	1.8	0.4	0.7	0	0	0	0
79-101		0.4	0.4	6.7	1.1	2.1	0	0	0	0	0	0
102-123		0	1.4	5.7	1.1	0	0	0	0	0	0	0
124-146		0.4	1.1	3.9	0.4	0	0	0	0	0	0	0
147-168		0.4	0	2.5	0	0	0	0	0	0	0	0
168-191		0	0.4	3.2	0.7	0	0	0	0	0	0	0
192-213		0	0	1.1	0.4	0	0	0	0	0	0	0
214-236		0	0.4	0	0	0	0	0	0	0	0	0
237-258		0	0	0.4	0	0	0	0	0	0	0	0
259-281		0	0	0	0	0	0	0	0	0	0	0
282-303		0	0	0	0	0	0	0	0	0	0	0
304-326		0	0	0.4	0	0	0	0	0	0	0	0
327-348		0	0	0	0	0	0	0	0	0	0	0



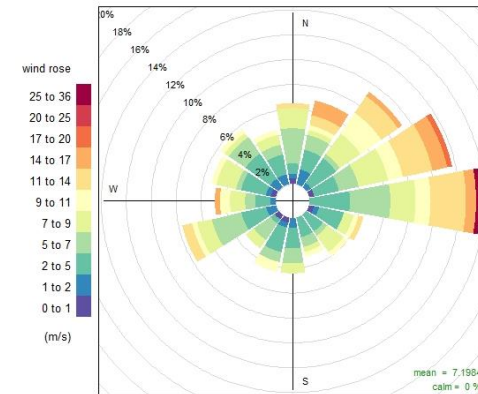
Frequency of counts by wind direction (%)

Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	2	0.4	0.4	0	0.7	1.4	0.4	0	0	0	0	0
12-33		0	0.4	2.8	1.8	1.8	0.7	0	0	0	0	0
34-56		0	0.7	7.8	2.5	7.1	4.3	1.4	0.4	0	0	0
57-78		0	1.1	7.8	7.1	7.1	2.1	1.8	0	0	0	0
79-101		0	1.4	7.1	5.7	2.8	1.4	0	0.4	0	0	0
102-123		0.4	1.4	3.2	1.4	0.4	0	0	0	0	0	0
124-146		0	0.7	2.5	0.4	0	0	0	0	0	0	0
147-168		0	0	2.1	0.4	0	0	0	0	0	0	0
168-191		0.4	0.4	1.4	0	0.4	0	0	0	0	0	0
192-213		0.4	0.4	0.4	0	0	0	0	0	0	0	0
214-236		0.4	0	0.7	0	0	0	0	0	0	0	0
237-258		0.4	0	0	0	0	0	0	0	0	0	0
259-281		0	0	0	0	0	0	0	0	0	0	0
282-303		0	0	0.4	0	0	0	0	0	0	0	0
304-326		0	0	0.7	0.4	0	0	0	0	0	0	0
327-348		0	0	0	0	0	0	0	0	0	0	0



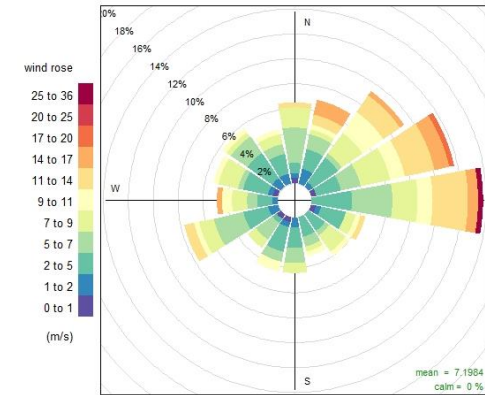
Frequency of counts by wind direction (%)

Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	0	0.7	0	2.1	1.4	0.7	0.7	0.7	0	0	0.4	0
12-33		0	1.8	3.9	3.2	1.1	0.7	0	0	0	0	0
34-56		0.4	0	4.3	2.1	2.5	1.4	2.1	0.4	0	0	0.4
57-78		0	1.1	3.9	3.9	2.5	2.1	2.8	1.1	0	0	0
79-101		0.4	0.7	5	3.9	2.5	2.8	0.7	0	0	0	0
102-123		0	1.1	5.3	2.5	0	0	0	0	0	0	0
124-146		0.7	0	3.6	1.1	0.7	0	0	0	0	0	0
147-168		0.4	0	0.4	0.7	0	0	0	0	0	0	0
168-191		0	0.7	1.4	0.4	0	0	0	0	0	0	0
192-213		0.4	0	1.4	0	0	0	0	0	0	0	0
214-236		0.7	0	0.4	0	0	0	0	0	0	0	0
237-258		0.7	0.7	1.1	0	0.4	0.4	0	0	0	0	0
259-281		0	0	1.8	0.4	0	0	0	0	0	0	0
282-303		0	0.4	1.1	0.7	0.4	0	0	0	0	0	0
304-326		0.7	0.4	1.1	0.7	0	0	0	0	0	0	0
327-348		0.4	0.4	2.1	0	0	0	0	0	0	0	0



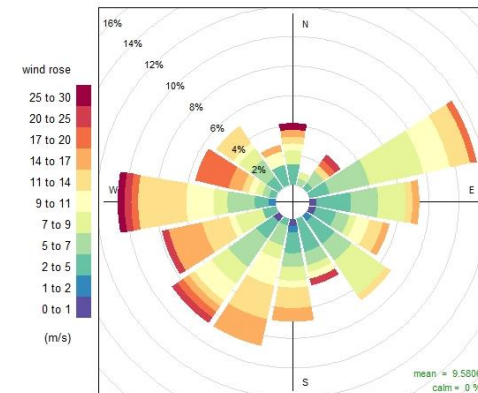
Frequency of counts by wind direction (%)

Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11		0.4	0.4	0.8	2.8	1.6	0	0.4	0	0	0	0
12-33		0	1.2	1.6	1.2	0.4	0.4	0.8	1.2	0	0	0
34-56		0	0.4	2.4	0.4	2	2	1.6	0.4	0	0	0
57-78		0.4	0	2	1.6	2.4	1.2	2.4	1.2	0.4	0	0
79-101		0	0	3.2	3.2	2	1.2	2.8	0.8	0	0	0.4
102-123		0.4	0.4	2	0	0.8	0.4	0.4	0	0	0	0
124-146	0	0	0	1.6	0.4	1.6	0.4	0	0	0	0	0
147-168		0	0	1.6	0.8	0.4	0.4	0	0	0	0	0
168-191		0	0.8	1.6	1.2	0.8	0	0	0	0	0	0
192-213		0.4	0.4	2	0.8	0	0.8	0	0	0	0	0
214-236		0.4	0	0.4	1.6	0.8	0	0	0	0	0	0
237-258		0	0.8	2	2.4	1.2	0.4	0.8	0	0	0	0
259-281		0	0.4	1.2	0.8	1.2	0.8	0	0.4	0	0	0
282-303		0.4	0.4	2	0.4	1.6	0.4	0	0	0	0	0
304-326		0	0.8	2.4	1.6	0.4	0.4	0	0	0	0	0
327-348		0	0.8	1.6	0.8	0.8	0.4	0	0	0	0	0



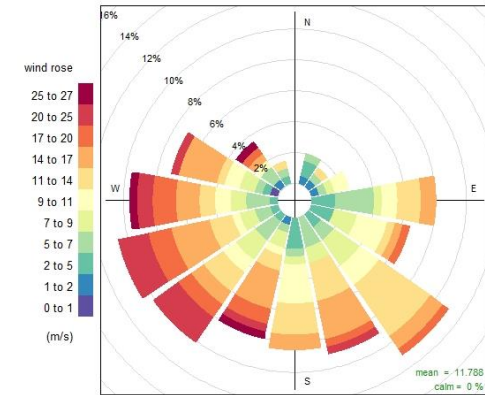
Frequency of counts by wind direction (%)

Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11		0	0	1.4	0	0.9	0.5	0.5	0.5	0	0	0.5
12-33		0	0	0	0.5	0.5	0	0	0	0	0	0
34-56		0	0	0.5	0.9	0	0	0.5	0	0.5	0.5	0
57-78		0	0	1.4	2.8	3.7	1.8	1.4	0	0.5	0	0
79-101		0.5	0	2.3	1.8	1.8	0	0.5	0.5	0	0	0
102-123		0.5	0	1.4	0.9	0.5	0.9	0.9	0.5	0	0	0
124-146	0	0	0.5	1.8	1.4	2.8	0	0.5	0	0	0	0
147-168		0	0	2.3	0.9	0.5	0.5	0	0	0	0.5	0
168-191		0.5	0.5	1.4	0.9	0.9	0.5	1.4	0.9	0	0	0
192-213		0	0	0.5	1.4	0.9	1.8	2.3	1.8	0	0	0
214-236		0.5	0	1.4	2.3	1.4	1.4	0.5	0.5	0.5	0.5	0
237-258		0	0	0.9	0	1.8	0.5	1.8	2.3	0	0.5	0
259-281		0	0.5	0.9	1.8	0.9	1.8	3.2	0	0.5	0.5	0.5
282-303		0	0	0.5	0.5	0.5	0.5	0.5	0.9	2.3	0	0
304-326		0	0	0.9	1.4	0.9	0.5	1.4	0	0	0	0
327-348		0	0	1.4	0	0	0.9	0	0.5	0	0	0



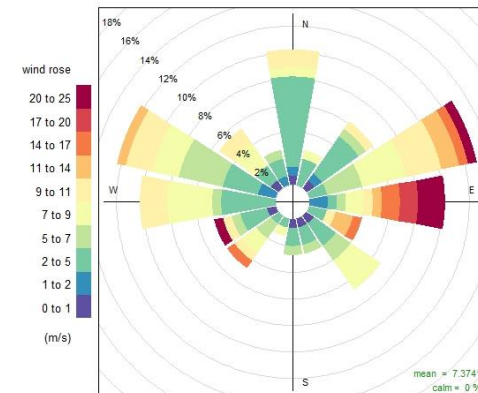
Frequency of counts by wind direction (%)

Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	0	0	0	0	0	0	0	0	0	0	0	0
12-33	0	0.5	1	0.5	0	0	0	0	0	0	0	0
34-56	0	0.5	0	0.5	0	0	0	0.5	0	0	0	0
57-78	0	0.5	0	0.5	0.5	1	0	0	0	0	0	0
79-101	0	0	1.5	2.5	0.5	1	1.5	1	0	0	0	0
102-123	0	0	1.5	0	1.5	2	0.5	0.5	0.5	0	0	0
124-146	0	0	1	1	2	1.5	4	1	0.5	0	0	0
147-168	0	0	0	2	1	0	2.5	2.5	0.5	0.5	0	0
168-191	0	0	2	0.5	0.5	2.5	2	1	0	0	0	0
192-213	0	0.5	0	0.5	1	0.5	1	2.5	1	0.5	0.5	0
214-236	0	0	0.5	1.5	1.5	1	1.5	1	1	2	0	0
237-258	0	0	0.5	1	1	0.5	1.5	2.5	1.5	2	0	0
259-281	0	0	0.5	1.5	1	1	1	1.5	1.5	1	0.5	0
282-303	0.5	0	0.5	0.5	1	1	0.5	2.5	0	0.5	0	0
304-326	0	0.5	0	1	0	0.5	0	0.5	0.5	0	0	0.5
327-348	0	0	0.5	0.5	0	0	0.5	0	0	0	0	0



Frequency of counts by wind direction (%)

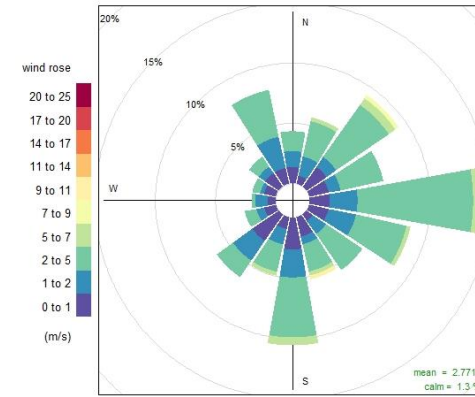
Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	0.7	0.7	6.8	0	0.7	1.4	0	0	0	0	0	0
12-33	0	0	2	0	0.7	0	0	0	0	0	0	0
34-56	0.7	0.7	3.4	0.7	0	0.7	0	0	0	0	0	0
57-78	0	0	1.4	2.7	3.4	2.7	1.4	0.7	0	0.7	0	0
79-101	0	1.4	0.7	0.7	1.4	0.7	0.7	1.4	1.4	2	0	0
102-123	0	0	1.4	0	0	0.7	1.4	0.7	0	0	0	0
124-146	0.7	0	2	1.4	2.7	0	0	0	0	0	0	0
147-168	0.7	0	1.4	0.7	0	0	0	0	0	0	0	0
168-191	0.7	0	1.4	0.7	0	0	0	0	0	0	0	0
192-213	0	0	0.7	0	0.7	0	0	0	0	0	0	0
214-236	0	0	0.7	1.4	1.4	0.7	0	0.7	0	0	0	0
237-258	0.7	0	2	0.7	0	0.7	0	0	0	0.7	0	0
259-281	0	0	4.1	0.7	3.4	2	0	0	0	0	0	0
282-303	0	1.4	2.7	3.4	2	2	0.7	0	0	0	0	0
304-326	0.7	0	1.4	0	2	1.4	0	0	0	0	0	0
327-348	0	0.7	1.4	0.7	0	0	0	0	0	0	0	0



Frequency of counts by wind direction (%)

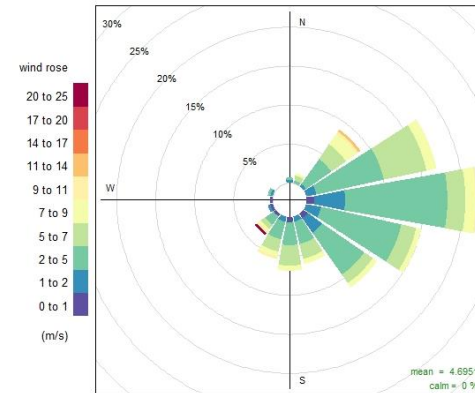


Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	1	1.3	1.3	1.7	0	0	0	0	0	0	0	0
12-33		0.7	1.7	3	0.3	0	0	0	0	0	0	0
34-56		2	1	5.3	0.7	0.3	0	0	0	0	0	0
57-78		1.7	1	3.6	0	0	0	0	0	0	0	0
79-101		1.7	2.3	9.6	0.7	0	0	0	0	0	0	0
102-123		1.7	2.3	4.3	0.3	0	0	0	0	0	0	0
124-146		0.7	1.3	3.6	0	0	0	0	0	0	0	0
147-168		1.7	0.7	2.3	0.3	0	0.3	0	0	0	0	0
168-191		2.6	2.3	5	0.7	0	0	0	0	0	0	0
192-213		1	1.3	2.3	0.3	0	0	0	0	0	0	0
214-236		2.6	2	1.7	0	0	0	0	0	0	0	0
237-258		1	0.7	1	0	0	0	0	0	0	0	0
259-281		0.7	1	0.3	0	0	0	0	0	0	0	0
282-303		1	0.3	0.7	0	0	0	0	0	0	0	0
304-326		1.3	0.7	1	0	0	0	0	0	0	0	0
327-348		1.3	2.6	4	0	0	0	0	0	0	0	0



Frequency of counts by wind direction (%)

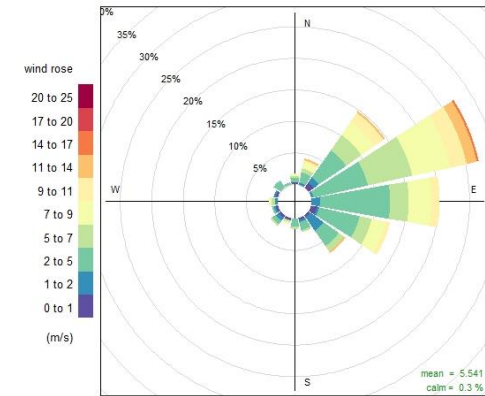
Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	0	0	0.3	0.3	0	0	0	0	0	0	0	0
12-33		0	0	0.3	0.7	0.3	0	0	0	0	0	0
34-56		0	0.3	3.9	2.3	1.6	0.3	0.3	0	0	0	0
57-78		0	1.3	8.9	5.6	1.3	0	0	0	0	0	0
79-101		1	3.9	13.1	2.3	1.3	0.3	0	0	0	0	0
102-123		0	2	10.5	2	0.7	0	0	0	0	0	0
124-146		0.7	2.3	6.6	1.3	0.7	0	0	0	0	0	0
147-168		0	0.7	2.6	2	0.7	0	0	0	0	0	0
168-191		0.7	0	3.3	2.6	0.7	0	0	0	0	0	0
192-213		0	0.7	2.3	1.6	0.7	0.3	0	0	0	0	0
214-236		0.3	0	1.3	0.7	0.3	0.3	0	0	0	0.3	0
237-258		0.3	0.3	0	0	0	0	0	0	0	0	0
259-281		0.3	0	0	0	0	0	0	0	0	0	0
282-303		0	0.3	0.3	0	0	0	0	0	0	0	0
304-326		0	0	0	0	0	0	0	0	0	0	0
327-348	0	0	0	0	0	0	0	0	0	0	0	



Frequency of counts by wind direction (%)

**Karaikal March 850 hPa level**

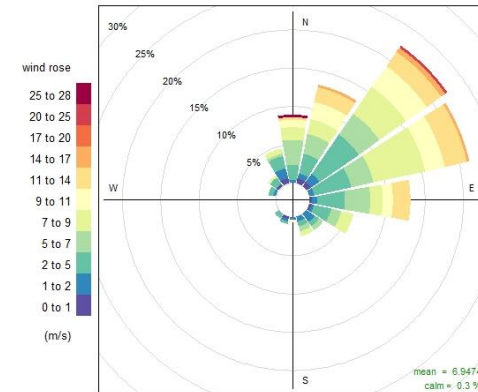
Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11		0.3	0	0.7	0.3	0.3	0	0	0	0	0	0
12-33		0	0.3	1.6	0.7	1	0.3	0.3	0	0	0	0
34-56		1	1	5.2	3	2.6	1.6	0.3	0	0	0	0
57-78		0	0.3	8.9	7.2	6.2	2.6	1.6	0.3	0	0	0
79-101		0	1.3	11.1	3	3.6	1.3	0	0	0	0	0
102-123		1	0.3	6.6	2	2.3	0.7	0	0	0	0	0
124-146	0	0.3	2.6	3	1	0	0	0.3	0	0	0	0
147-168		0.3	0.3	1.3	0.3	0	0	0	0	0	0	0
168-191		0	0	1.3	0.3	0	0	0	0	0	0	0
192-213		0.3	0	0	0.3	0.3	0	0	0	0	0	0
214-236		0.3	0.7	0.7	0.3	0	0	0	0	0	0	0
237-258		0.3	0.3	0.3	0	0	0	0	0	0	0	0
259-281		0	0.3	0	0.7	0.3	0	0	0	0	0	0
282-303		0.3	0.3	0	0	0	0	0	0	0	0	0
304-326		0	0	1.3	0	0	0	0	0	0	0	0
327-348		0	0	0.3	0	0	0	0	0	0	0	0



Frequency of counts by wind direction (%)

**Karaikal March 700 hPa level**

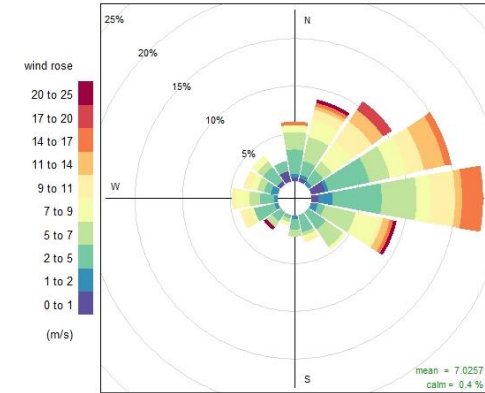
Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +	
349-11		0	0.3	2	3.3	1.6	1	0.3	0	0	0	0.3	
12-33		0.7	0.7	2.6	2.6	2	2.3	2	0.3	0	0	0	
34-56		0.7	1.3	6.2	3.3	4.3	3.3	2.3	0.7	0	0.3	0	
57-78		0	0.7	4.9	3	6.9	2.6	3	0.3	0	0	0	
79-101		0.3	0.7	3.6	3.3	1.6	1.3	2.3	0	0	0	0	
102-123		0.3	0.3	2.3	1.3	1.6	0	0	0	0	0	0	
124-146	0	0	1.3	0.7	0.7	0	0	0	0	0	0	0	
147-168		0	0.7	0.7	0.7	0.7	0	0	0	0	0	0	0
168-191		0	0.3	0	0	0	0	0.3	0	0	0	0	0
192-213		0.3	0.3	0.3	0	0	0	0	0	0	0	0	0
214-236		0	0	0.7	0	0	0	0	0	0	0	0	0
237-258		0	0	0	0	0	0	0	0	0	0	0	0
259-281		0	0	0	0	0	0	0	0	0	0	0	0
282-303		0	0.3	0.7	0	0	0	0	0	0	0	0	0
304-326		0.3	0	1	0	0.3	0	0	0	0	0	0	0
327-348		0.7	1.3	1.6	0.3	0.7	0	0	0	0	0	0	0



Frequency of counts by wind direction (%)

**Karaikal March 500 hPa level**

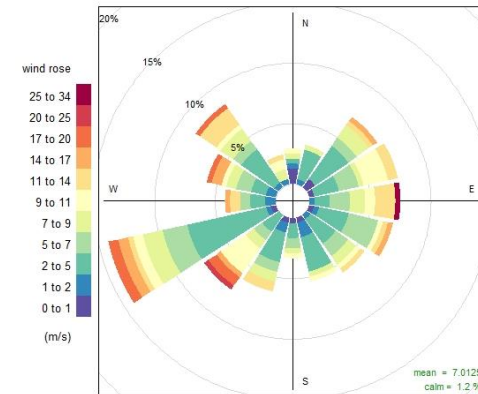
Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +	
349-11	0	0.4	0.4	2.6	1.8	0.7	0	0	0.4	0	0	0	
12-33		0.4	0.4	1.5	2.6	1.8	1.1	0.4	0.4	0	0.4	0	
34-56		0	0.4	1.5	1.1	2.6	2.6	1.5	0	1.1	0	0	
57-78		1.5	0.4	4.4	2.2	1.8	1.8	2.2	0.7	0	0	0	
79-101		0.7	1.5	5.1	3.7	1.5	2.6	0.7	2.2	0	0	0	
102-123		0	0.7	0.7	3.3	2.6	0.4	0.7	0.4	0	0	0.4	0
124-146		0	0	2.2	2.2	0.4	0	0	0	0	0	0	0
147-168		0	0	1.8	0.4	0.4	0.4	0	0	0	0	0	0
168-191		0	0.4	1.1	0.7	0	0	0	0	0	0	0	0
192-213		0	0	0.4	0.4	0.4	0	0	0	0	0	0	0
214-236		0	0	1.1	0.7	0	0	0	0	0	0	0.4	0
237-258		0	0.4	2.2	0	0.4	1.1	0	0	0	0	0	0
259-281		0	0.4	1.5	1.1	1.5	0.4	0	0	0	0	0	0
282-303		0	0.7	0.7	0.7	0.7	0.7	0	0	0	0	0	0
304-326		0.4	0	1.8	0.7	0.7	0	0	0	0	0	0	0
327-348		1.1	0	1.1	0	0	0	0	0	0	0	0	0



Frequency of counts by wind direction (%)

**Karaikal March 300 hPa level**

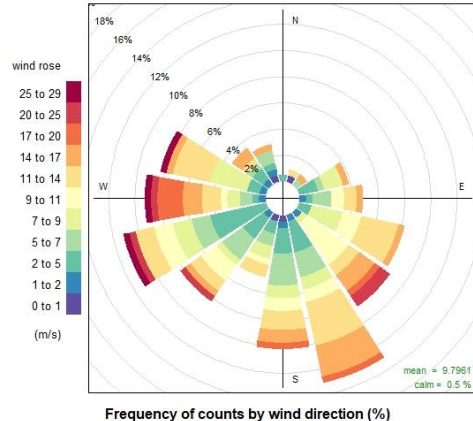
Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	1	1.2	0.4	0.4	0	0.4	0.4	0	0	0	0	0
12-33		0	0.4	2.5	0	0.4	0	0	0	0	0	0
34-56		0.8	0	3.3	0.8	1.2	0	0.4	0.4	0	0	0
57-78		0.4	0	2.1	1.7	0.4	2.1	0.8	0	0	0	0
79-101		0	0.4	1.2	1.7	1.2	0.8	1.7	0	0	0	0.4
102-123		0.4	0.4	2.5	2.5	0	0.4	0.4	0.4	0	0	0
124-146		0	0.4	2.5	1.2	0.8	0.4	0.4	0	0	0	0
147-168		0.4	1.2	2.5	0	0.4	0.4	0	0	0	0	0
168-191		0.4	0	1.7	0.8	0.4	0.4	0	0	0	0	0
192-213		0.4	0.8	2.5	0.8	0.8	0	0.8	0	0	0	0
214-236		0	0	1.7	0.8	0.8	2.5	0	0.4	0.8	0.4	0
237-258		0.4	0.4	6.7	2.1	1.7	0.8	0.4	0.8	0.8	0	0
259-281		0	0.8	1.2	0.8	0	0	0.8	0.4	0	0	0
282-303		0	0.8	1.2	1.2	0.8	0.4	0	0.8	0.4	0	0
304-326		0	0.4	3.3	0.8	1.2	0.4	1.7	0	0.4	0	0
327-348		0	0.4	0	0	0.8	0.8	0.4	0	0	0	0



Frequency of counts by wind direction (%)

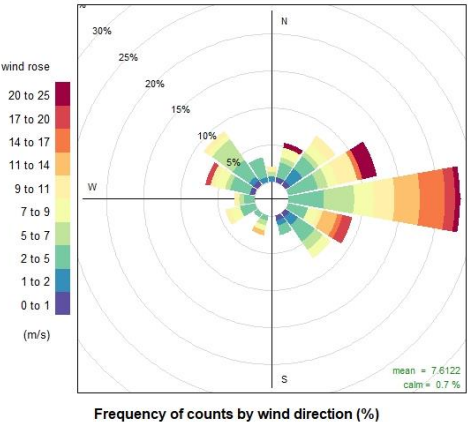
**Karaikal March 200 hPa level**

Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	0	0	0	0.5	0	0	0	0	0	0	0	0
12-33	0.5	0	0	0	0	0	0	0.5	0	0	0	0
34-56	0	0	0	0	0.5	0	0	0	0.5	0	0	0
57-78	0	0	0	1.5	0.5	1.5	0	0	0.5	0	0	0
79-101	0	0.5	0.5	1.5	0	1	1	0.5	0	0	0	0
102-123	0	0	1	0	2.4	1.5	2.9	0.5	0	0	0	0
124-146	0	0.5	0	0	0.5	3.9	1	1.5	0.5	1	0	0
147-168	0	0.5	1.9	1.9	1	1	3.4	2.4	0.5	0	0	0
168-191	0.5	0.5	2.4	2.4	1	1	1.5	1	0.5	0	0	0
192-213	0.5	0	1	1	1	0.5	1	0	0	0	0	0
214-236	0	0.5	1.9	1.9	0.5	1.5	1	0.5	0	0.5	0	0
237-258	0	0	4.4	1.5	1.5	1.5	1.5	0	0	0.5	0.5	0
259-281	0	0.5	0.5	1	1	0.5	1.5	1.5	1.9	0.5	0.5	0
282-303	0	0.5	1	0	2.9	0	2.9	0.5	0	0	0.5	0
304-326	0	0.5	1	0.5	0	0	0.5	1	0	0	0	0
327-348	0.5	0.5	0.5	1	0	0	0	0.5	0	0	0	0

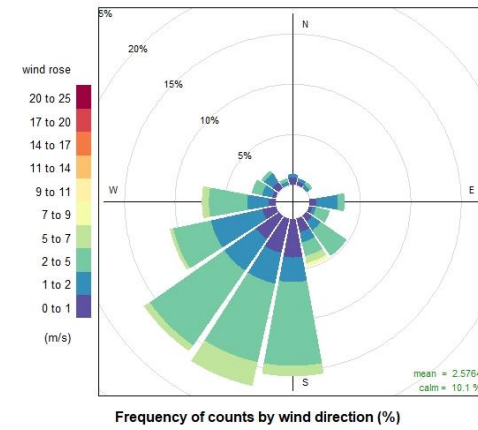


**Karaikal March 100 hPa level**

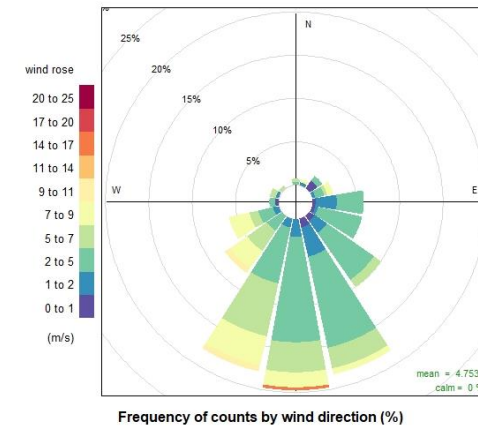
Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	0	0.7	0	0.7	0	0.7	0	0	0	0	0	0
12-33	0.7	0	2	0.7	1.4	0	0	0	0	0	0.7	0
34-56	0.7	2	2	0.7	1.4	1.4	0	0	0	0	0	0
57-78	0	0	4.1	1.4	1.4	2.7	0	0.7	0	2	0	0
79-101	0	0	4.8	4.1	2.7	2.7	3.4	3.4	1.4	0.7	0	0
102-123	0	0	2.7	0	1.4	0.7	2	0.7	1.4	0	0	0
124-146	0.7	1.4	2.7	1.4	1.4	0	0	0	0	0	0	0
147-168	0.7	0.7	1.4	0	0	0	0	0	0	0	0	0
168-191	0	0	0	0	0	0	0	0	0	0	0	0
192-213	0	0	0.7	0.7	0.7	0	0.7	0	0	0	0	0
214-236	0	0	0.7	0	0	0	0	0	0	0	0	0
237-258	0	0	2	0	1.4	0.7	0	0	0	0	0	0
259-281	0	0	1.4	0.7	0	0.7	0	0	0	0	0	0
282-303	0.7	0	2.7	0.7	1.4	0.7	0	0	0.7	0	0	0
304-326	0.7	0.7	2.7	3.4	0.7	0.7	0	0	0	0	0	0
327-348	0	0.7	2.7	0	0	0	0	0	0	0	0	0



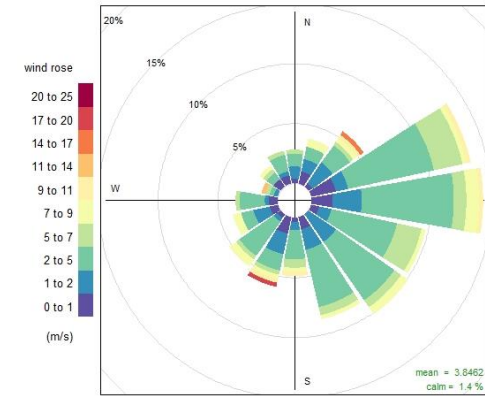
Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	10	0.7	0.3	0	0	0	0	0	0	0	0	0
12-33		0.3	0.3	0	0	0	0	0	0	0	0	0
34-56		0	0.3	0.3	0	0	0	0	0	0	0	0
57-78		0	0	0	0	0	0	0	0	0	0	0
79-101		0.7	2.1	0.7	0	0	0	0	0	0	0	0
102-123		0.3	0.3	1.4	0	0	0	0	0	0	0	0
124-146		0.7	1	3.1	0	0	0	0	0	0	0	0
147-168		1.4	1	1.4	0.7	0.3	0	0	0	0	0	0
168-191		3.8	2.4	8.3	1	0	0	0	0	0	0	0
192-213		3.5	3.1	8	2.4	0	0	0	0	0	0	0
214-236		2.8	3.8	9	0.7	0	0	0	0	0	0	0
237-258		1.4	5.2	3.8	0.3	0	0	0	0	0	0	0
259-281		0.7	2.1	3.8	0.7	0	0	0	0	0	0	0
282-303		0.3	1	1	0	0	0	0	0	0	0	0
304-326		0.7	1	0.3	0	0	0	0	0	0	0	0
327-348		0	0.3	0.3	0	0	0	0	0	0	0	0



Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	0	0	0	0.3	0.3	0	0	0	0	0	0	0
12-33		0	0.3	0	0	0.3	0	0	0	0	0	0
34-56		1	0	0.7	0	0	0	0	0	0	0	0
57-78		0	0.3	1	0.3	0.7	0	0	0	0	0	0
79-101		0.3	2.4	3.1	0	0	0	0	0	0	0	0
102-123		0.3	0.3	5.2	0	0	0	0	0	0	0	0
124-146		0.7	1.7	6.6	1	0	0	0	0	0	0	0
147-168		1	3.5	10.8	2.4	0.3	0	0	0	0	0	0
168-191		0	2.1	12.2	3.5	2.1	0	0	0.3	0	0	0
192-213		0	1	6.6	6.2	3.5	0.7	0	0	0	0	0
214-236		0	0	2.1	2.8	2.4	0.7	0	0	0	0	0
237-258		0	0.7	1.7	1	2.4	0	0	0	0	0	0
259-281		0.3	0	0.7	0	0	0	0	0	0	0	0
282-303		0	0.3	0	0.7	0	0	0	0	0	0	0
304-326		0	0	0	0.3	0	0	0	0	0	0	0
327-348		0	0	0	0	0	0	0	0	0	0	0

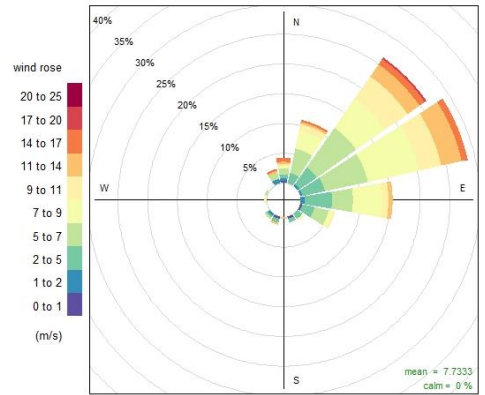


Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	1	0.3	1	1	0.3	0	0	0	0	0	0	0
12-33		1	1	1	0	0.7	0	0	0	0	0	0
34-56		0.3	2.1	1.7	0.3	0.3	0.3	0	0.3	0	0	0
57-78		2.1	1	7.3	2.4	0.3	0.3	0	0	0	0	0
79-101		1.7	2.4	7.7	1	1	0.3	0	0	0	0	0
102-123		0.7	1	5.6	2.1	0.3	0	0	0	0	0	0
124-146		0	2.8	5.9	0.7	0.7	0	0	0	0	0	0
147-168		1	1.7	4.2	0.7	0.3	0	0	0	0	0	0
168-191		0.3	0.7	3.1	0.7	0.3	0.3	0	0	0	0	0
192-213		1.4	1.7	1.4	0.3	0.3	0.3	0	0	0.3	0	0
214-236		0.3	0.3	3.5	0.3	0.7	0	0	0	0	0	0
237-258		0.7	1.4	1	0	0.7	0	0	0	0	0	0
259-281		0.7	0.3	2.1	0.3	0	0	0	0	0	0	0
282-303		0	0.3	0.3	0.3	0	0	0.3	0	0	0	0
304-326		0.7	0	0.7	0.3	0.3	0	0	0	0	0	0
327-348		0.7	0.3	1.4	0.3	0	0	0	0	0	0	0



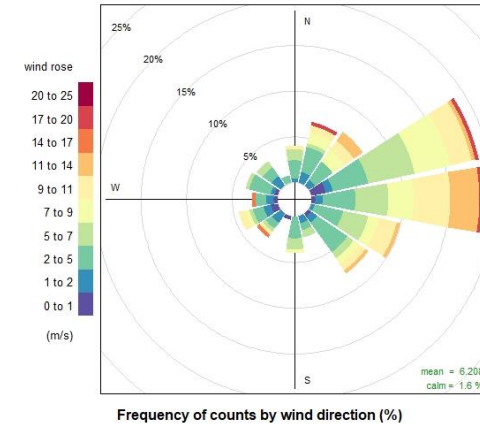
Frequency of counts by wind direction (%)

Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	0	0.4	0.4	0.7	1.1	0.4	0.4	0.4	0.7	0	0	0
12-33		0	0	1.8	4.2	3.2	1.1	0.4	0.4	0	0	0
34-56		0	0.4	3.5	8.1	6	4.6	2.5	1.1	0.4	0	0
57-78		0	0.4	3.9	7.4	8.8	3.9	3.5	1.1	0	0	0
79-101		0	0.7	4.6	3.5	4.9	1.1	0.7	0	0	0	0
102-123		0.4	0	2.1	2.5	0.7	0.4	0	0	0	0	0
124-146		0	0	1.1	0	0.4	0	0	0	0	0	0
147-168		0.4	0	0.7	0	0	0	0.4	0	0	0	0
168-191		0	0	0	0	0	0	0.4	0	0	0	0
192-213		0.4	0	0.7	0	0	0	0.4	0	0	0	0
214-236		0	0.4	0.4	0.4	0	0	0	0	0	0	0
237-258		0	0	0	0	0	0	0	0	0	0	0
259-281		0	0	0	0	0	0.4	0	0	0	0	0
282-303		0	0	0	0.4	0	0	0	0	0	0	0
304-326		0	0	0	0	0	0	0	0	0	0	0
327-348		0	0.7	0	1.1	0	0	0.4	0.4	0	0	0

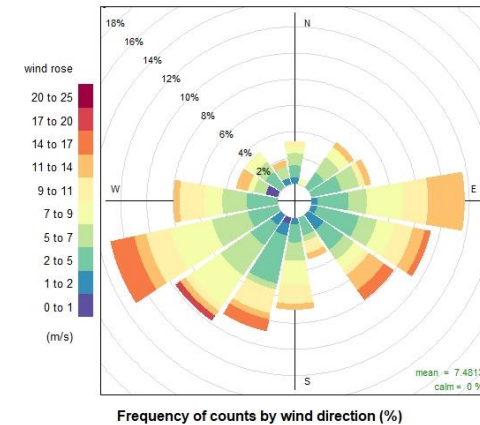


Frequency of counts by wind direction (%)

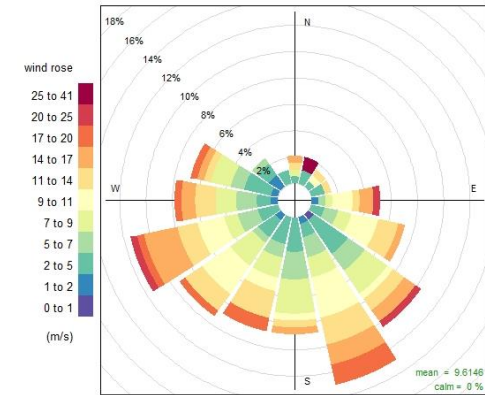
Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	2	0	0.4	2	1.2	0	0.4	0	0	0	0	0
12-33		0	1.2	2.8	0.4	1.2	0.8	0	0	0.4	0	0
34-56		0	0.8	2.4	0	1.6	1.2	1.2	0	0	0	0
57-78		1.6	0.8	4	5.2	4	2.4	0.4	0	0.4	0	0
79-101		0.4	0.8	3.6	3.6	2.8	4	3.2	0	0.4	0	0
102-123		0	0.4	3.2	2.8	1.2	2	0.4	0	0	0	0
124-146		0.4	0.8	4	0.8	0.8	0.8	0.4	0	0	0	0
147-168		0	0.8	0.8	0.8	0	0	0	0	0	0	0
168-191		0	0	2.4	1.2	0.4	0	0	0	0	0	0
192-213		0.4	0	0	0	0	0	0	0	0	0	0
214-236		0	1.2	0.8	0.4	0	0.4	0	0.4	0	0	0
237-258		0.8	0.8	1.2	0.4	0.4	0.8	0	0	0	0	0
259-281		0.4	0.8	1.2	0	0	0	0	0.4	0	0	0
282-303		0.4	0.4	2.4	0.4	0	0	0	0	0	0	0
304-326		0	1.2	1.2	0.8	0	0	0	0	0	0	0
327-348		0	0	0.8	0	0	0	0	0	0	0	0



Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	0	0	0.5	0.9	0.9	0.5	0.5	0	0	0	0	0
12-33		0	0	0	0	0.5	0	0	0	0	0	0
34-56		0	0	1.4	1.4	0.9	0	0.5	0	0	0	0
57-78		0	0	2.3	1.4	0	0.5	0.5	0	0	0	0
79-101		0	0.5	2.3	1.4	2.8	1.9	2.8	0	0	0	0
102-123		0	0.5	3.3	1.4	1.4	1.4	0.9	0.5	0	0	0
124-146		0	1.4	1.9	0.9	0.9	0.5	1.4	0.9	0	0	0
147-168		0	0	1.4	0.5	0	0.9	0.5	0	0	0	0
168-191		0	0.5	1.4	1.4	1.9	1.4	0.5	0	0	0	0
192-213		0.5	0.9	3.7	0.5	0	1.9	0.5	0.9	0	0	0
214-236		0	0.9	1.9	2.8	2.8	0.5	0.5	0	0.5	0	0
237-258		0	0	2.3	2.8	3.3	1.9	0.9	1.9	0	0	0
259-281		0	0	2.3	1.9	1.4	1.9	0.5	0	0	0	0
282-303		0.9	0	0	0.9	0.5	0	0.9	0	0	0	0
304-326		0	0	1.4	0.9	0.9	0	0	0	0	0	0
327-348		0	0.5	0	0.9	0	0	0.5	0	0	0	0

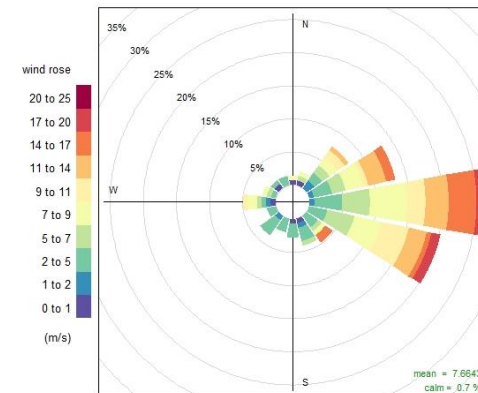


Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	0	0	0.5	0	0.5	0	0.5	0.5	0	0	0	0
12-33	0	0	1	0	0	0	0	0	0	0	0	1
34-56	0	0	0.5	0	0	0.5	0.5	0	0	0	0	0
57-78	0	0	1	0	0	0	0.5	0	0	0	0	0
79-101	0	0.5	0	0.5	0.5	1.6	0.5	1	0	0.5	0	0
102-123	0	0	1	1	1	2.1	1.6	0.5	0	0	0	0
124-146	0.5	0	3.1	1.6	2.1	0.5	1	1	0	0.5	0	0
147-168	0	0.5	1	1.6	1.6	3.1	1.6	1.6	1.6	0	0	0
168-191	0	0	2.6	2.1	2.6	0.5	1	0.5	0	0	0	0
192-213	0	0	2.1	1	1.6	1	2.1	0	1	0	0	0
214-236	0	0.5	1.6	0.5	2.1	2.6	1.6	0	0.5	0	0	0
237-258	0	0	1.6	1.6	1	2.1	1.6	2.6	0.5	0.5	0	0
259-281	0	0.5	1	1.6	1.6	0	1.6	1	0.5	0	0	0
282-303	0	0.5	2.1	1	1.6	0	0.5	0.5	0.5	0	0	0
304-326	0	1	1	0.5	0	0	0	0	0	0	0	0
327-348	0	0	1	0	0	0	0	0	0	0	0	0



Frequency of counts by wind direction (%)

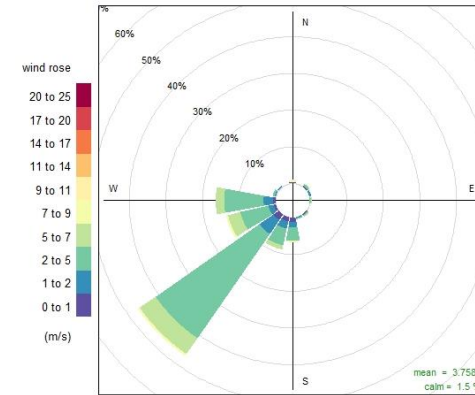
Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	0.7	0	0	0	0.7	0	0	0	0	0	0	0
12-33	0.7	0	0	0.7	0.7	0	0	0	0	0	0	0
34-56	0	1.4	1.4	1.4	1.4	1.4	0.7	0	0	0	0	0
57-78	0	0.7	2.8	2.1	2.8	0.7	2.8	1.4	0	0	0	0
79-101	0	0.7	4.2	4.2	5.6	2.8	3.5	4.2	0.7	0	0	0
102-123	0	0	2.8	4.2	4.2	4.2	2.8	0.7	1.4	0	0	0
124-146	0	0	2.1	0.7	0.7	0	0	1.4	0	0	0	0
147-168	0.7	0.7	2.1	0.7	0	0	0	0	0	0	0	0
168-191	0.7	0	2.1	0	0	0	0	0	0	0	0	0
192-213	0	0	2.1	0	0	0	0	0	0	0	0	0
214-236	0	0.7	2.8	0	0	0	0	0	0	0	0	0
237-258	0	0	1.4	0	0	0	0	0	0	0	0	0
259-281	0.7	0.7	0.7	0.7	1.4	0.7	0	0	0	0	0	0
282-303	0	0	0.7	0.7	0.7	0	0	0	0	0	0	0
304-326	0.7	0	0.7	0	0	0	0	0	0	0	0	0
327-348	0	0	1.4	0	0	0	0	0	0	0	0	0



Frequency of counts by wind direction (%)

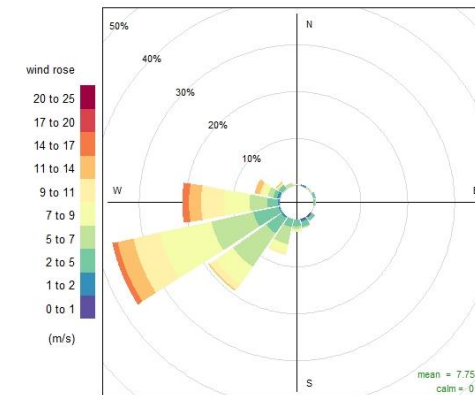


Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	1	0.3	0	0	0	0.3	0.3	0	0	0	0	0
12-33		0	0	0	0	0	0	0	0	0	0	0
34-56		0.3	0	0.6	0	0.3	0	0	0	0	0	0
57-78		0	0.6	0	0	0	0	0	0	0	0	0
79-101		0	0	0.3	0.3	0	0	0	0	0	0	0
102-123		0	0	0	0	0	0	0	0	0	0	0
124-146		0.3	0	0.3	0.3	0	0	0	0	0	0	0
147-168		0	0.3	0.3	0	0	0	0	0	0	0	0
168-191		1.2	1.5	3.8	0	0.3	0	0	0	0	0	0
192-213		1.2	2	4.7	1.2	0	0	0	0	0	0	0
214-236		1.7	4.7	34.6	5.2	0.6	0	0	0	0	0	0
237-258		0.6	1.5	7.8	3.5	0.6	0	0	0	0	0	0
259-281		0.6	2.6	10.8	2.3	0	0	0	0	0	0	0
282-303		0	0.3	0.6	0	0	0	0	0	0	0	0
304-326		0	0.3	0	0	0	0	0	0	0	0	0
327-348		0	0	0	0	0	0	0	0	0	0	0



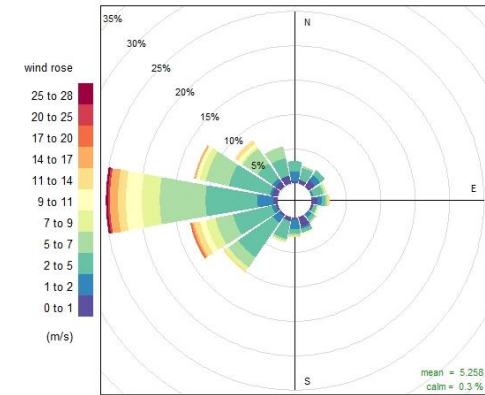
Frequency of counts by wind direction (%)

Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	0	0	0	0	0	0.3	0	0	0	0	0	0
12-33		0	0.3	0	0	0	0	0	0	0	0	0
34-56		0	0	0	0.3	0	0	0	0	0	0	0
57-78		0	0	0.6	0	0	0	0	0	0	0	0
79-101		0	0	0.3	0.3	0	0	0	0	0	0	0
102-123		0	0	0	0	0	0	0	0	0	0	0
124-146		0.3	0	0.9	0	0	0	0	0	0	0	0
147-168		0.3	0.3	1.2	0.3	0	0	0	0	0	0	0
168-191		0	0	1.4	0.6	0.3	0.3	0	0	0	0	0
192-213		0	0	1.7	3.7	1.7	0.6	0	0	0	0	0
214-236		0	0.3	4	8.6	4.6	1.4	0.3	0	0	0	0
237-258		0	0.3	5.5	9.2	11.2	5.8	3.5	1.2	0	0	0
259-281		0	0.3	2.3	3.7	5.5	4.9	2.6	1.4	0	0	0
282-303		0	0.6	0.9	1.2	1.2	0.6	1.2	0	0	0	0
304-326		0	0	0.9	0.3	0.3	0	0.3	0	0	0	0
327-348		0	0	0	0.6	0	0	0	0	0	0	0



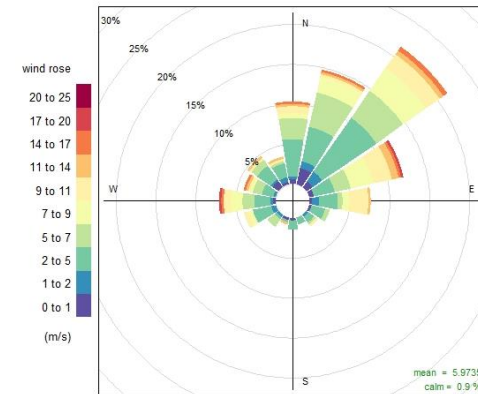
Frequency of counts by wind direction (%)

Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	0	0.3	1.4	1.4	0	0	0	0	0	0	0	0
12-33		0.6	0	1.7	0.3	0	0	0	0	0	0	0
34-56		1.2	0.9	0.9	0	0	0	0	0	0	0	0
57-78		0	0.3	1.4	0.3	0.3	0	0	0	0	0	0
79-101		0.9	0.6	0.6	0.3	0	0	0.3	0	0	0	0
102-123		0.3	0	0.6	0	0.3	0	0	0	0	0	0
124-146		0	0.6	0.6	0.3	0	0	0	0	0	0	0
147-168		1.4	0.3	0.6	0	0	0.3	0	0	0	0	0
168-191		0.3	1.4	0.6	0.3	0	0	0.3	0	0	0	0
192-213		0.6	0	2.6	0.3	0.3	0	0	0	0	0	0
214-236		0.3	1.2	6.1	1.7	0.6	0	0.3	0	0	0	0
237-258		0.3	0.6	5.8	2.6	1.4	0.9	0.9	0.3	0.3	0	0
259-281		0.6	2.3	7.5	6.7	2.6	2.3	1.2	1.2	0	0.3	0.3
282-303		0.9	0.3	6.1	3.5	0.9	0.6	0	0.3	0	0	0
304-326		0.9	0.6	2.6	2.6	0.3	0.6	0.6	0	0	0	0
327-348		1.2	0	2.6	1.7	0	0	0	0	0	0	0



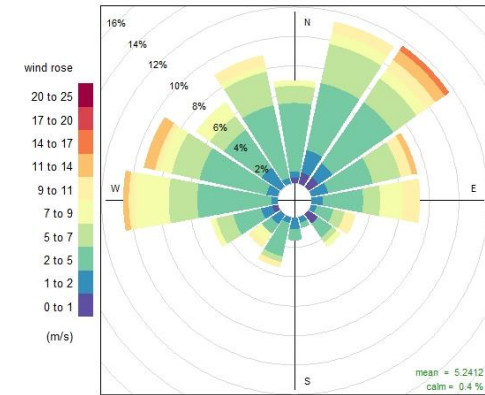
Frequency of counts by wind direction (%)

Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	1	0.6	0.3	4.7	2.6	0.6	0.9	0.3	0.3	0	0	0
12-33		2.1	0.9	4.4	4.4	2.1	0.3	0.3	0.3	0	0	0
34-56		0.9	1.5	8.2	4.1	3.5	2.1	0.6	0.6	0	0	0
57-78		0.6	0	2.6	2.1	2.9	2.4	0.9	0.3	0.3	0	0
79-101		0.3	0.9	2.4	0.6	0.9	2.4	0.3	0	0	0	0
102-123		0.3	0	1.8	0.6	0	0	0	0	0	0	0
124-146		0	0.3	0.9	0.3	0	0.3	0	0	0	0	0
147-168		0	0	0.6	0	0	0	0	0	0	0	0
168-191		0.3	0	1.5	0	0	0	0	0	0	0	0
192-213		0.3	0	0.3	0	0	0	0.3	0	0	0	0
214-236		0	0.3	0.3	1.2	0	0	0	0	0	0	0
237-258		0	0.6	2.4	0	0.6	0.6	0	0	0	0	0
259-281		0.3	0.3	2.1	1.5	1.5	0.9	0	0.3	0.3	0	0
282-303		0	0.3	1.5	1.2	0.3	0.3	0.3	0.3	0	0	0
304-326		0.9	0.3	2.1	0.9	0	0.3	0.3	0	0	0	0
327-348		0.3	0.6	1.8	0.3	0	0.3	0.3	0	0	0	0



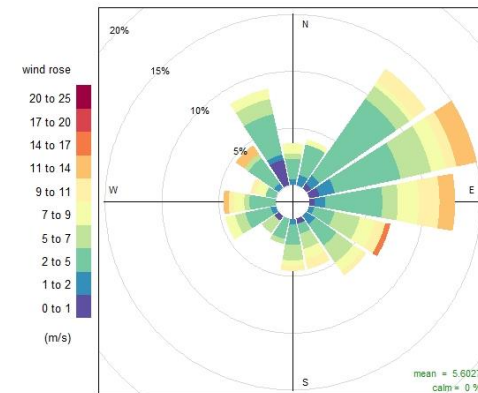
Frequency of counts by wind direction (%)

Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	0	0.4	0.4	4.7	1.2	0.4	0	0	0	0	0	0
12-33		0.8	1.6	4.7	2.7	0.8	0.8	0	0	0	0	0
34-56		0.8	1.2	5.1	1.9	0.8	0.8	0.8	0.4	0	0	0
57-78		0	1.2	3.1	1.9	0	0.8	0.4	0	0	0	0
79-101		0	0.8	2.7	1.2	1.6	1.2	0	0	0	0	0
102-123		0	0.4	1.2	0.8	0	0.8	0	0	0	0	0
124-146		0.8	0	1.2	0.4	0.4	0	0	0	0	0	0
147-168		0	0.4	0.4	0	0	0	0	0	0	0	0
168-191		0	0.8	0.8	0	0	0	0	0	0	0	0
192-213		0	0.4	2.3	0.4	0	0.4	0	0	0	0	0
214-236		0	0.8	0.8	0	0.8	0.4	0	0	0	0	0
237-258		0.4	0.8	1.9	1.2	0.4	0	0	0	0	0	0
259-281		0	0.4	5.1	1.9	2.3	0.4	0.4	0	0	0	0
282-303		0	0.8	4.7	1.9	0.8	0.4	0.8	0	0	0	0
304-326		0	1.6	3.1	1.2	1.2	0	0	0	0	0	0
327-348		0	0.4	5.1	2.3	0.4	0.8	0	0	0	0	0



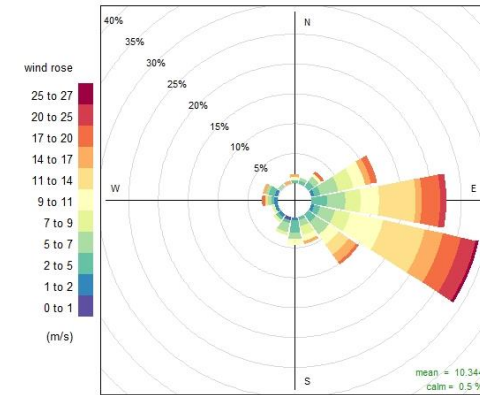
Frequency of counts by wind direction (%)

Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	1	0	0.5	1.8	0.5	0.9	0	0	0	0	0	0
12-33		0	0.9	2.7	0	0.5	0	0	0	0	0	0
34-56		0.5	0.9	8.2	1.4	0.5	1.4	0	0	0	0	0
57-78		0.9	1.4	5.9	2.7	1.4	0.9	1.8	0	0	0	0
79-101		0.5	0.9	5	1.4	1.8	1.8	1.4	0	0	0	0
102-123		0	0.5	1.8	2.3	1.4	0.9	0	0.5	0	0	0
124-146		0	0.9	2.3	1.8	0.9	0.5	0	0	0	0	0
147-168		0.5	0	0	0.9	0.9	0.9	0	0	0	0	0
168-191		0	0.5	2.7	1.8	0.5	0.5	0	0	0	0	0
192-213		0	0	1.8	0.5	0	0	0	0	0	0	0
214-236		0.5	0	0	1.4	0	0	0	0	0	0	0
237-258		0	0.5	2.3	0.9	0.9	0	0	0	0	0	0
259-281		0	0	2.3	0.5	0.9	0.5	0.5	0	0	0	0
282-303		0	0	0.9	0	0.9	0.5	0	0	0	0	0
304-326		0	0.5	2.7	0.5	0	0	0.9	0	0	0	0
327-348		2.3	0.5	3.7	1.4	0.9	0	0	0	0	0	0



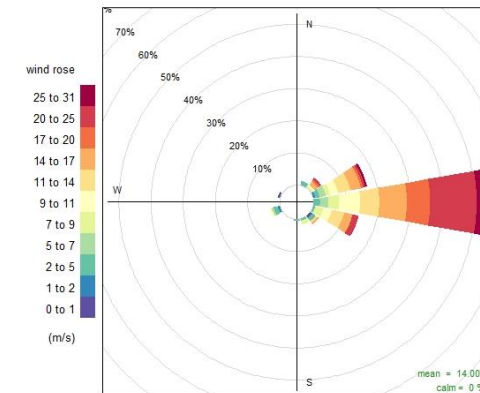
Frequency of counts by wind direction (%)

Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	0	0	0.5	0	0	0.5	0	0.5	0	0	0	0
12-33	0	0	0.5	0.5	0	0	0	0	0	0	0	0
34-56	0	0	1	1	0	0.5	0	0	0.5	0	0	0
57-78	0	0.5	1	3.1	2.6	2.1	0	1	1	0	0	0
79-101	0	0	2.6	3.1	2.6	3.1	6.2	1	3.1	1	0	0
102-123	0	0.5	1	2.6	2.6	5.6	7.2	3.1	3.1	2.6	0.5	0
124-146	0	0	1.5	2.6	0	2.1	2.1	1.5	0.5	0	0	0
147-168	0	0	0.5	0.5	1.5	1	0	0.5	0	0	0	0
168-191	0	0.5	2.1	1.5	0	1	0	0	0	0	0	0
192-213	0.5	0	0.5	1.5	0.5	0	0	0	0	0	0	0
214-236	0	0.5	0.5	0	0.5	0	0	0	0	0	0	0
237-258	0	0.5	0	0	0.5	0	0	0	0	0	0	0
259-281	0	0.5	0.5	0.5	0	0	0.5	0	0.5	0	0	0
282-303	0	0.5	1	0.5	0	0	0	0.5	0	0	0	0
304-326	0	0	0	0.5	0	0	0	0	0	0	0	0
327-348	0	0	0	0	0	0	0	0.5	0	0	0	0



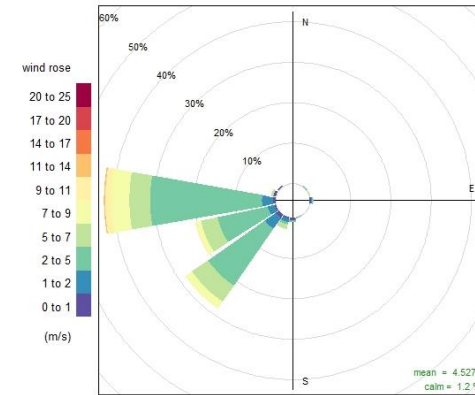
Frequency of counts by wind direction (%)

Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	0	0	0	0	0	0	0	0	0	0	0	0
12-33	0	0	1.3	0	0	0	0	0	0	0	0	0
34-56	0	0	0	0	0.7	0.7	0	1.3	0.7	0.7	0	0
57-78	0	0.7	1.3	2	1.3	2.6	3.9	3.3	0.7	0.7	0.7	0
79-101	0	0	2	2.6	3.3	6.6	5.9	8.6	7.2	14.5	2.6	0
102-123	0	0	0.7	0	2.6	2.6	3.9	2.6	0	2	0	0
124-146	0.7	0	1.3	0	0	0	0.7	0.7	0	0	0	0
147-168	0	0	0.7	0	1.3	0	0	0	0	0	0	0
168-191	0	0	0.7	0	0	0	0	0	0	0	0	0
192-213	0	0	0	0	0	0	0	0	0	0	0	0
214-236	0	0	0	0	0	0	0	0	0	0	0	0
237-258	0	0.7	1.3	0.7	0	0.7	0	0	0	0	0	0
259-281	0	0	0	0	0	0	0	0	0	0	0	0
282-303	0.7	0	0	0	0	0	0	0	0	0	0	0
304-326	0	0	0	0	0	0	0	0	0	0	0	0
327-348	0	0	0	0	0	0	0	0	0	0	0	0



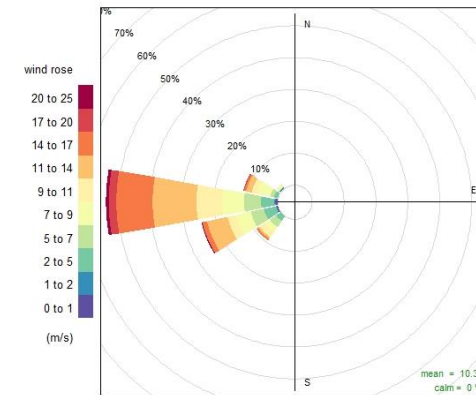
Frequency of counts by wind direction (%)

Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	0	0	0	0	0	0	0	0	0	0	0	0
12-33	0	0	0	0	0	0	0	0	0	0	0	0
34-56	0	0	0.3	0	0	0	0	0	0	0	0	0
57-78	0	0	0	0.3	0	0	0	0	0	0	0	0
79-101	0.3	0.3	0.3	0	0	0	0	0	0	0	0	0
102-123	0	0	0	0	0	0	0	0	0	0	0	0
124-146	0	0	0	0	0	0	0	0	0	0	0	0
147-168	0	0	0.3	0	0	0	0	0	0	0	0	0
168-191	0.6	0	0.6	0	0	0	0	0	0	0	0	0
192-213	0.3	0.9	0.6	1.2	0	0	0	0	0	0	0	0
214-236	0.9	3.3	17.2	4.8	2.1	0	0	0	0	0	0	0
237-258	0.3	1.8	12.7	4.2	1.2	0.3	0	0	0	0	0	0
259-281	0.6	2.7	27.7	5.1	4.5	1.5	0.3	0	0	0	0	0
282-303	0.6	0	0	0.6	0	0	0	0	0	0	0	0
304-326	0.3	0	0	0	0	0	0	0	0	0	0	0
327-348	0	0	0	0	0	0	0	0	0	0	0	0



Frequency of counts by wind direction (%)

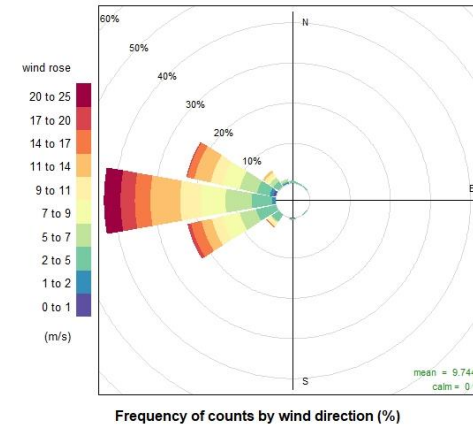
Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	0	0	0	0	0	0	0	0	0	0	0	0
12-33	0	0	0	0	0	0	0	0	0	0	0	0
34-56	0	0	0	0	0	0	0	0	0	0	0	0
57-78	0	0	0	0	0	0	0	0	0	0	0	0
79-101	0	0	0	0	0	0	0	0	0	0	0	0
102-123	0	0	0	0	0	0	0	0	0	0	0	0
124-146	0	0	0	0	0	0	0	0	0	0	0	0
147-168	0	0	0	0	0	0	0	0	0	0	0	0
168-191	0	0	0	0	0	0	0	0	0	0	0	0
192-213	0	0	0	0	0	0	0	0	0	0	0	0
214-236	0	0	1.8	2.4	1.8	2.1	0.6	0.6	0	0	0	0
237-258	0.3	0.3	3.9	4.2	4.8	2.7	6.6	1.5	0	0.3	0	0
259-281	0.6	0.3	4.2	5.4	6.9	8.1	13.7	11.3	2.4	0.9	0	0
282-303	0	0	1.2	1.2	4.2	1.8	1.8	0.6	0.3	0	0	0
304-326	0	0.3	0	0.3	0.6	0.3	0	0	0	0	0	0
327-348	0	0	0	0	0	0	0	0	0	0	0	0



Frequency of counts by wind direction (%)

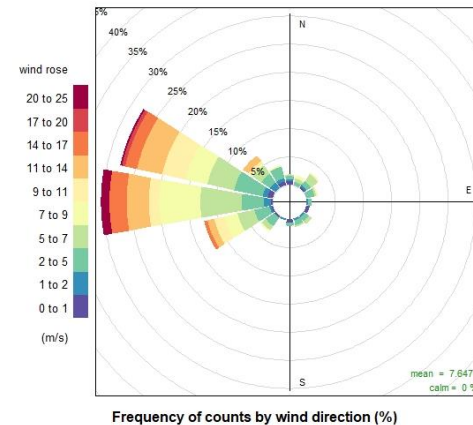
**Karaikal June 850 hPa level**

Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	0	0	0.6	0	0	0	0	0	0	0	0	0
12-33	0	0	0.3	0	0	0	0	0	0	0	0	0
34-56	0	0	0.3	0	0	0	0	0	0	0	0	0
57-78	0	0	0	0	0	0	0	0	0	0	0	0
79-101	0	0	0	0	0	0	0	0	0	0	0	0
102-123	0	0	0	0	0	0	0	0	0	0	0	0
124-146	0	0	0.3	0	0	0	0	0	0	0	0	0
147-168	0	0	0	0	0	0	0	0	0	0	0	0
168-191	0.3	0	0.3	0	0	0	0	0	0	0	0	0
192-213	0	0	0	0	0	0	0	0	0	0	0	0
214-236	0	0	2.1	0.3	0	1.2	0	0.3	0	0	0	0
237-258	0	0	5	4.2	4.5	2.7	2.7	2.7	0.9	0	0	0
259-281	0	0.9	5	6.5	6.2	5	7.4	3.9	3.6	4.2	0	0
282-303	0.6	0.9	3.3	4.5	4.5	3	4.2	1.8	0.3	0	0	0
304-326	0	0	1.5	1.2	0.6	0.9	0.6	0	0	0	0	0
327-348	0	0.3	0.3	0.6	0	0	0	0	0	0	0	0



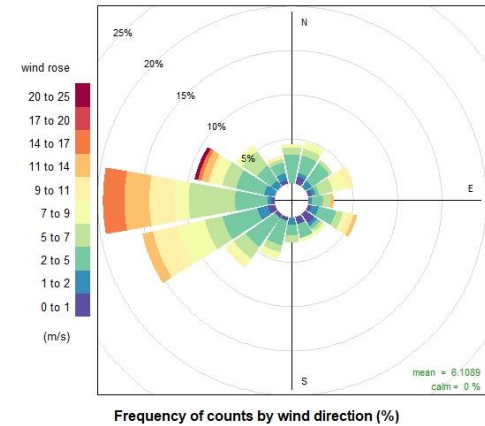
**Karaikal June 700 hPa level**

Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	0.6	0.3	0.6	0.3	0	0	0	0	0	0	0	0
12-33	0	0	0.6	0.6	0.6	0	0	0	0	0	0	0
34-56	0.3	0.3	0.9	1.5	0	0.3	0	0	0	0	0	0
57-78	0	0	1.5	0.3	0	0.3	0	0	0	0	0	0
79-101	0	0.3	0.6	0	0	0	0	0	0	0	0	0
102-123	0.6	0	0	0	0	0	0	0	0	0	0	0
124-146	0	0.3	0.9	0.6	0	0	0	0	0	0	0	0
147-168	0	0.3	0.6	0.3	0	0	0	0	0	0	0	0
168-191	0.6	0	0.9	0	0	0	0	0	0	0	0	0
192-213	0	0.3	0	0	0	0	0	0	0	0	0	0
214-236	0.3	0	1.8	0.9	0.3	0	0	0	0	0	0	0
237-258	0.3	0.3	2.7	3	2.4	1.8	1.2	0.6	0	0	0	0
259-281	0.3	1.2	4	7.3	7.3	1.8	4	3	0	1.5	0	0
282-303	0.9	0.9	5.2	4.9	4	4.3	4.6	2.1	0.6	0.3	0	0
304-326	0	1.2	1.8	1.8	0.3	0.6	1.2	0	0	0	0	0
327-348	0.6	0.6	2.1	0	0.3	0	0	0	0	0	0	0



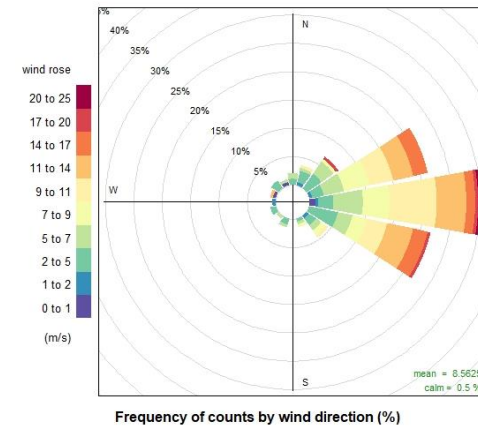
**Karaikal June 500 hPa level**

Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	0	0	3.2	0.8	0.4	0	0	0	0	0	0	0
12-33	0.8	0.4	2	0.8	0.8	0	0	0	0	0	0	0
34-56	0	0.8	2.4	0.4	0	0	0	0	0	0	0	0
57-78	0.4	0.4	0.4	1.6	1.6	0.8	0	0	0	0	0	0
79-101	0	0.4	1.2	0.8	0	0	0.4	0	0	0	0	0
102-123	0.4	0.8	2	0.8	0.4	0.8	0.4	0	0	0	0	0
124-146	1.2	0.4	0.4	0.4	0.4	0	0	0	0	0	0	0
147-168	0.8	0	1.6	0	0.4	0	0	0	0	0	0	0
168-191	0	0.8	1.2	0.8	0	0	0	0	0	0	0	0
192-213	0.4	0	2.8	0.8	0.8	0	0	0	0	0	0	0
214-236	0.4	0	4	1.6	0.8	0.4	0	0	0	0	0	0
237-258	0.8	1.2	4	2	3.2	2.8	1.2	0	0	0	0	0
259-281	0.4	0.4	3.6	5.2	1.6	2.8	2.8	2.4	0	0	0	0
282-303	0	1.2	3.2	1.6	1.2	0.4	0.8	0.4	0	0.4	0	0
304-326	0	0.8	2	2	0.8	0	0	0	0	0	0	0
327-348	0.4	0.8	1.2	0.4	0	0.4	0	0	0	0	0	0

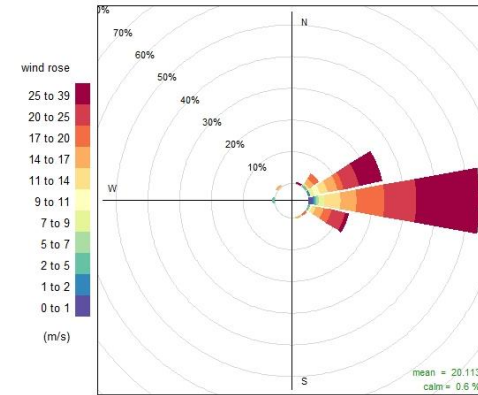


**Karaikal June 300 hPa level**

Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	0	0	1	1	0	0	0	0	0	0	0	0
12-33	0	0.5	2.1	0.5	0	0.5	0	0	0	0	0	0
34-56	0	0	3.1	2.6	0.5	0	0	0	0.5	0	0	0
57-78	0	0.5	2.1	3.6	4.7	4.2	3.6	2.6	0	0	0	0
79-101	1	0.5	2.6	5.2	4.7	8.3	5.2	1.6	0.5	0.5	0	0
102-123	0	0	5.2	2.6	2.6	3.6	4.7	2.6	0.5	0	0	0
124-146	0	0.5	1.6	1	1	0.5	0	0	0	0	0	0
147-168	0	0	0.5	0.5	0.5	0	0	0	0	0	0	0
168-191	0	0	0	0	0	0	0	0	0	0	0	0
192-213	0	0	1	0.5	0	0	0	0	0	0	0	0
214-236	0	0	0	0.5	0	0	0	0	0	0	0	0
237-258	0	0	1	0	0	0	0	0	0	0	0	0
259-281	0	0.5	0	0	0	0	0	0	0	0	0	0
282-303	0.5	0	0	0	0	0	0.5	0	0	0	0	0
304-326	0	0	1.6	0	0	0	0	0	0	0	0	0
327-348	0.5	0	0	0.5	0	0	0	0	0	0	0	0

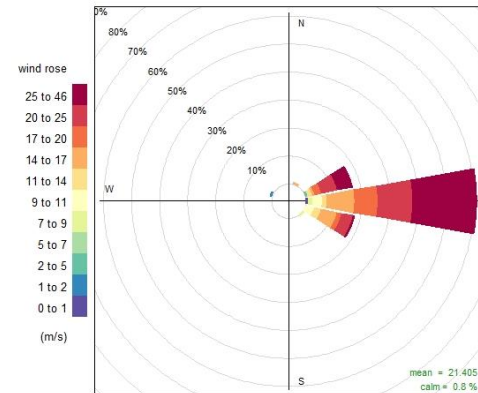


Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	0	0	0	0	0	0	0	0	0	0	0	0
12-33	0	0	0	0	0	0	0	0	0	0	0	0.6
34-56	0	0	0.6	0	0	0	0.6	1.9	1.9	0	0	0
57-78	0	0.6	0	0	1.3	1.9	2.5	3.1	1.9	5	7.5	0
79-101	1.3	0.6	0.6	0.6	1.9	0	5	5	8.8	10.1	20.1	0
102-123	0	0	0.6	0	0	0.6	1.3	2.5	2.5	4.4	1.3	0
124-146	0	0	0	0	0	0	0	0	0.6	0	0	0
147-168	0	0	0	0	0	0	0	0	0.6	0	0	0
168-191	0	0	0	0	0	0	0	0	0	0	0	0
192-213	0	0	0	0	0	0	0	0	0	0	0	0
214-236	0	0	0	0	0	0	0	0	0	0	0	0
237-258	0	0	0	0	0	0	0	0	0	0	0	0
259-281	0	0	0.6	0	0	0	0	0	0	0	0	0
282-303	0	0	0	0	0	0	0	0	0	0	0	0
304-326	0	0	0	0	0	0	0	0.6	0	0	0	0
327-348	0	0	0	0	0	0	0	0	0	0	0	0



Frequency of counts by wind direction (%)

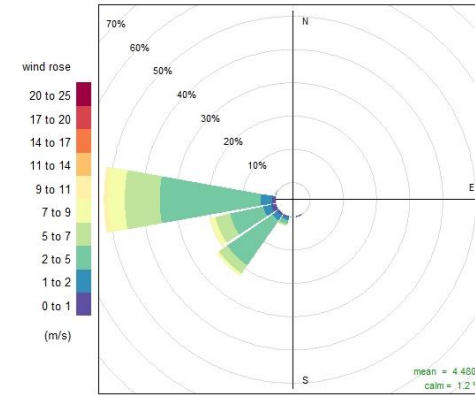
Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	0	0	0	0	0	0	0	0	0	0	0	0
12-33	0	0	0	0	0	0	0	0	0.8	0	0	0
34-56	0	0	0	0	0	0	0	0	0	0	0	0
57-78	0	0	0.8	0	0	0	1.7	0.8	2.5	5.8	5.8	0
79-101	0.8	0	0	0	1.7	3.3	1.7	9.9	8.3	12.4	23.1	0
102-123	0	0	0	0	0	3.3	2.5	5.8	1.7	4.1	0.8	0
124-146	0	0	0	0	0.8	0	0	0	0	0	0	0
147-168	0	0	0	0	0	0	0	0	0	0	0	0
168-191	0	0	0	0	0	0	0	0	0	0	0	0
192-213	0	0	0	0	0	0	0	0	0	0	0	0
214-236	0	0	0	0	0	0	0	0	0	0	0	0
237-258	0	0	0	0	0	0	0	0	0	0	0	0
259-281	0	0	0	0	0	0	0	0	0	0	0	0
282-303	0	0.8	0	0	0	0	0	0	0	0	0	0
304-326	0	0	0	0	0	0	0	0	0	0	0	0
327-348	0	0	0	0	0	0	0	0	0	0	0	0



Frequency of counts by wind direction (%)

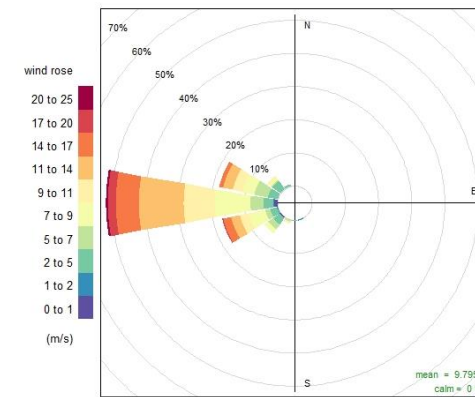


Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	0	0	0	0	0	0	0	0	0	0	0	0
12-33	0	0	0	0	0	0	0	0	0	0	0	0
34-56	0	0	0	0	0	0	0	0	0	0	0	0
57-78	0	0	0	0	0	0	0	0	0	0	0	0
79-101	0	0	0	0	0	0	0	0	0	0	0	0
102-123	0	0	0	0	0	0	0	0	0	0	0	0
124-146	0	0	0	0	0	0	0	0	0	0	0	0
147-168	1	0.3	0	0	0	0	0	0	0	0	0	0
168-191	0	0	0.3	0	0	0	0	0	0	0	0	0
192-213	0.3	0.9	1.2	0.6	0	0	0	0	0	0	0	0
214-236	0.6	1.8	16.5	3	0.9	0	0	0	0	0	0	0
237-258	1.5	2.4	10.2	4.5	1.5	0.3	0	0	0	0	0	0
259-281	0.9	3.6	30.3	10.5	5.1	1.2	0	0	0	0	0	0
282-303	0	0	0.3	0	0	0	0	0	0	0	0	0
304-326	0	0	0	0	0	0	0	0	0	0	0	0
327-348	0	0	0	0	0	0	0	0	0	0	0	0



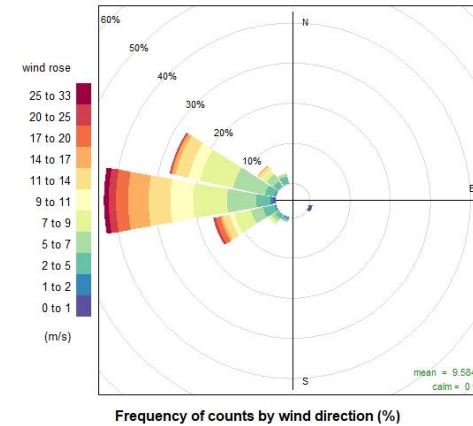
Frequency of counts by wind direction (%)

Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	0	0	0	0	0	0	0	0	0	0	0	0
12-33	0	0	0	0	0	0	0	0	0	0	0	0
34-56	0	0	0	0	0	0	0	0	0	0	0	0
57-78	0	0	0	0	0	0	0	0	0	0	0	0
79-101	0	0	0	0	0	0	0	0	0	0	0	0
102-123	0	0	0	0	0	0	0	0	0	0	0	0
124-146	0	0	0	0	0	0	0	0	0	0	0	0
147-168	0	0.3	0	0	0	0	0	0	0	0	0	0
168-191	0	0	0.3	0	0	0	0	0	0	0	0	0
192-213	0	0	0	0.6	0	0.6	0	0	0	0	0	0
214-236	0.3	0	2.4	1.8	1.5	0	0	0	0	0	0	0
237-258	0	0.3	2.1	1.5	5.1	2.7	2.7	2.4	0.3	0	0	0
259-281	0.9	0.3	3	3.9	10.8	9.3	13.5	6.9	2.4	0.6	0	0
282-303	0	0	3	4.2	3.6	3	3	1.2	0	0	0	0
304-326	0	0	3	0.3	0.9	0.6	0	0	0	0	0	0
327-348	0	0	0.6	0	0	0	0	0	0	0	0	0

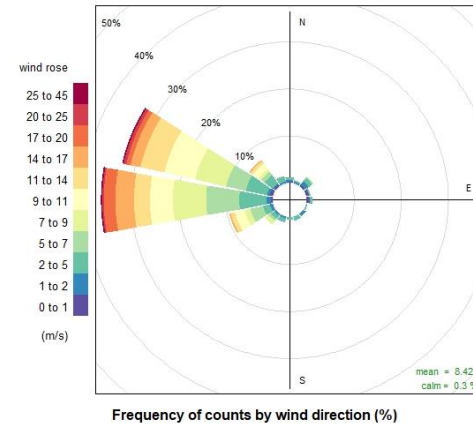


Frequency of counts by wind direction (%)

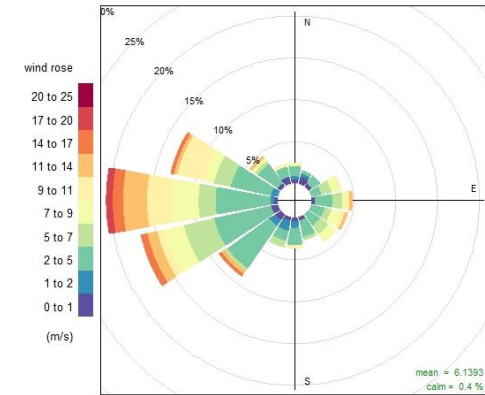
Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	0	0	0	0	0	0	0	0	0	0	0	0
12-33	0	0	0	0	0	0	0	0	0	0	0	0
34-56	0	0	0	0	0	0	0	0	0	0	0	0
57-78	0	0	0	0	0	0	0	0	0	0	0	0
79-101	0	0	0	0	0	0	0	0	0	0	0	0
102-123	0.9	0	0	0	0	0	0	0	0	0	0	0
124-146	0	0	0	0	0	0	0	0	0	0	0	0
147-168	0	0	0	0	0	0	0	0	0	0	0	0
168-191	0	0	0	0	0	0	0	0	0	0	0	0
192-213	0	0.3	0.6	0.3	0	0	0	0	0	0	0	0
214-236	0	0	1.2	0.9	0.9	0	0	0	0	0	0	0
237-258	0	0.3	3	3	4.2	1.2	1.8	0.6	1.2	0.6	0	0
259-281	0.6	0.6	3.6	7.2	8.4	5.7	5.4	5.1	3	1.8	1.2	0
282-303	0	0.3	2.4	8.1	8.4	3	3.3	0.9	0.3	0.3	0	0
304-326	0	0	1.5	2.1	1.2	0.3	0.9	0.3	0	0	0	0
327-348	0	0	1.8	0.6	0.3	0	0	0	0	0	0	0



Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	0.3	0.3	0.6	0	0	0	0	0	0	0	0	0
12-33	0	0.3	0.3	0	0	0	0	0	0	0	0	0
34-56	0.3	0.9	0.9	0.3	0	0	0	0	0	0	0	0
57-78	0.6	0	0.3	0	0	0	0	0	0	0	0	0
79-101	0.6	0	0.6	0	0	0	0	0	0	0	0	0
102-123	0	0	0.3	0	0	0	0	0	0	0	0	0
124-146	0	0.6	0	0	0	0	0	0	0	0	0	0
147-168	0	0	0.9	0	0	0	0	0	0	0	0	0
168-191	0	0	0.6	0	0	0	0	0	0	0	0	0
192-213	0	0.3	0.9	0	0	0	0	0	0	0	0	0
214-236	0	0.3	0.9	0.6	0.9	0	0	0	0	0	0	0
237-258	0	0.6	1.5	2.8	1.2	2.1	0.9	0.3	0	0	0	0
259-281	0.3	0.9	5.8	7	7	4.9	3.4	4	2.4	0.3	0.3	0
282-303	0.6	0.6	4.6	4.3	6.7	6.7	5.2	2.1	0.9	0.6	0.3	0
304-326	0.3	0.3	2.1	0.9	0.6	1.5	0.6	0.3	0	0	0	0
327-348	0	0.3	1.2	0	0	0	0	0	0	0	0	0

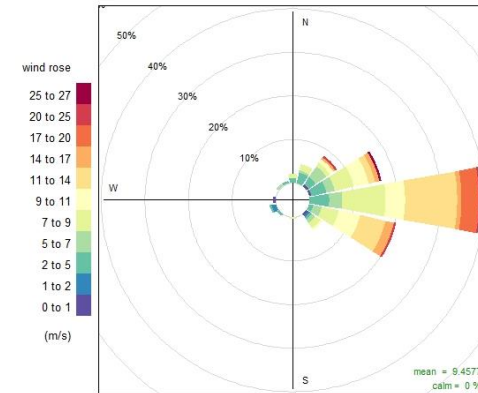


Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11		0.4	0.4	1.2	0	0.4	0	0	0	0	0	0
12-33		0.8	0.4	0.4	0	0	0	0	0	0	0	0
34-56		0.4	0	1.2	0	0	0	0	0	0	0	0
57-78		0	0	1.2	1.2	0.8	0.4	0	0	0	0	0
79-101		0.4	0	2	1.2	0.4	0.4	0.4	0	0	0	0
102-123		0	0	1.6	0.8	1.2	0.4	0.4	0	0	0	0
124-146		0	0	1.6	1.2	1.2	0	0	0	0	0	0
147-168	0	0.4	0	2	0.4	0	0	0	0	0	0	0
168-191		0.4	0.8	2	0	0	0.4	0	0	0	0	0
192-213		0.4	1.2	1.2	0.8	0	0	0	0	0	0	0
214-236		0.8	0.8	6.1	0.4	0	0	0.4	0.4	0	0	0
237-258		0.8	0	7	3.7	2.5	0.8	1.2	0.8	0	0	0
259-281		0.4	0.4	6.6	2	3.3	2.9	2.9	1.2	0.8	0	0
282-303		0	0.8	4.9	2	1.2	3.3	0.4	0.4	0	0	0
304-326		0.4	0	2.9	0.4	0.4	0	0.4	0	0	0	0
327-348		0.8	0	1.2	0	0	0.4	0	0	0	0	0



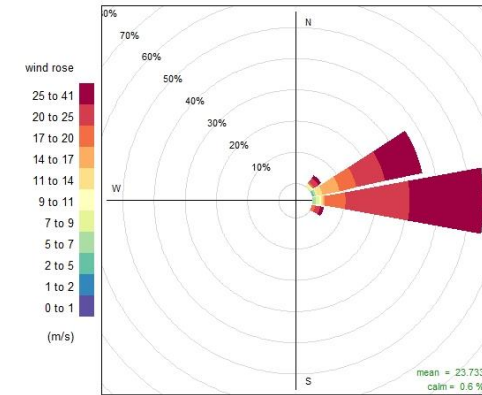
Frequency of counts by wind direction (%)

Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11		0	0	1	0	1	0	0	0	0	0	0
12-33		0	0	2.5	0.5	1.5	0	0	0	0	0	0
34-56		0.5	0	2	3	1	1	0	0.5	0	0.5	0
57-78		0.5	0	3.5	2	4.5	3.5	1.5	1	0	0	0.5
79-101		0	0	4.5	3	10	4.5	11.9	1	4	0.5	0
102-123		0	0	1	2	4	5	6	2	0	0.5	0
124-146		0.5	0.5	0.5	1	1.5	0.5	0	0	0	0	0
147-168	0	0	0	0	0	0	0	0	0	0	0	0
168-191		0	0	0	0	0.5	0	0	0	0	0	0
192-213		0	0	0	0	0	0	0	0	0	0	0
214-236		0	0	0.5	0	0	0	0	0	0	0	0
237-258		0	1	0.5	0	0	0	0	0	0	0	0
259-281		0.5	0	0	0	0	0	0	0	0	0	0
282-303		0	0	0	0	0	0	0	0	0	0	0
304-326		0	0	0	0.5	0	0	0	0	0	0	0
327-348		0	0	0.5	0	0	0	0	0	0	0	0



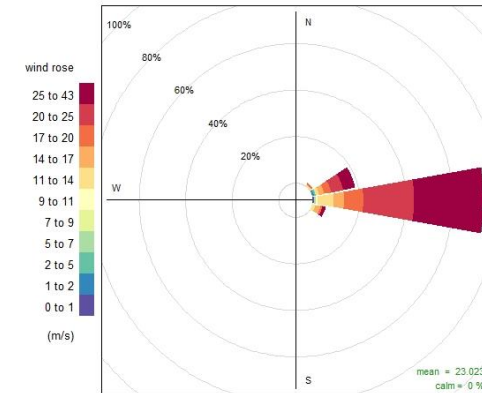
Frequency of counts by wind direction (%)

Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	0	0	0	0	0	0	0	0	0	0	0	0
12-33	0	0	0	0	0	0	0	0	0	0	0	0
34-56	0	0	0	0	0	0.6	0.6	0	0	0.6	1.7	1.1
57-78	0	0	0.6	0.6	0.6	0	1.7	5.6	5.6	9.4	12.2	
79-101	0	0	0	1.1	1.1	0.6	0.6	0.6	6.7	20.6	23.9	
102-123	0	0	0	0	0	0	0	0	1.1	1.7	1.1	
124-146	0	0	0	0	0	0	0	0	0	0	0	
147-168	0	0	0	0	0	0	0	0	0	0	0	
168-191	0	0	0	0	0	0	0	0	0	0	0	
192-213	0	0	0	0	0	0	0	0	0	0	0	
214-236	0	0	0	0	0	0	0	0	0	0	0	
237-258	0	0	0	0	0	0	0	0	0	0	0	
259-281	0	0	0	0	0	0	0	0	0	0	0	
282-303	0	0	0	0	0	0	0	0	0	0	0	
304-326	0	0	0	0	0	0	0	0	0	0	0	
327-348	0	0	0	0	0	0	0	0	0	0	0	



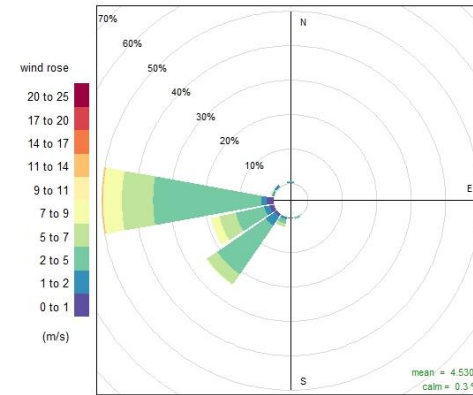
Frequency of counts by wind direction (%)

Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	0	0	0	0	0	0	0	0	0	0	0	0
12-33	0	0	0	0	0	0	0	0	0	0	0	0
34-56	0	0	0	0	0	0	0	0.8	0	0.8	0	0
57-78	0	0.8	0.8	0	0	0	1.5	2.3	3	5.3	5.3	
79-101	0.8	0	0	0.8	0	0.8	6.8	4.5	8.3	21.8	30.1	
102-123	0	0	0	0	0.8	0	0.8	2.3	0.8	0	1.5	
124-146	0	0	0	0	0	0	0	0	0	0	0	
147-168	0	0	0	0	0	0	0	0	0	0	0	
168-191	0	0	0	0	0	0	0	0	0	0	0	
192-213	0	0	0	0	0	0	0	0	0	0	0	
214-236	0	0	0	0	0	0	0	0	0	0	0	
237-258	0	0	0	0	0	0	0	0	0	0	0	
259-281	0	0	0	0	0	0	0	0	0	0	0	
282-303	0	0	0	0	0	0	0	0	0	0	0	
304-326	0	0	0	0	0	0	0	0	0	0	0	
327-348	0	0	0	0	0	0	0	0	0	0	0	



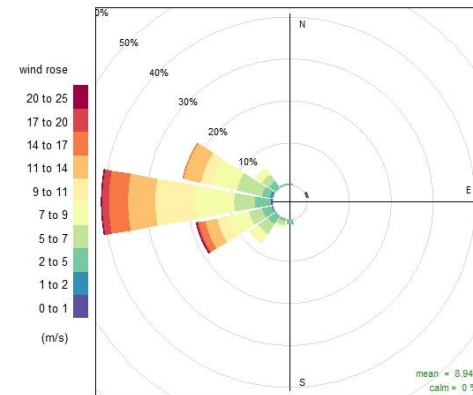
Frequency of counts by wind direction (%)

Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	0	0	0.3	0.3	0	0	0	0	0	0	0	0
12-33	0	0	0	0	0	0	0	0	0	0	0	0
34-56	0	0	0	0	0	0	0	0	0	0	0	0
57-78	0	0	0	0	0	0	0	0	0	0	0	0
79-101	0	0	0	0	0	0	0	0	0	0	0	0
102-123	0	0	0	0	0	0	0	0	0	0	0	0
124-146	0	0	0	0	0	0	0	0	0	0	0	0
147-168	0	0	0	0.6	0	0	0	0	0	0	0	0
168-191	0.3	0	0	0	0	0	0	0	0	0	0	0
192-213	0	0.6	1.3	1	0	0	0	0	0	0	0	0
214-236	0.6	3.2	17.2	3.6	0.3	0	0	0	0	0	0	0
237-258	1.3	1.6	8.4	4.9	2.6	0	0	0	0	0	0	0
259-281	1.9	1.6	31.4	9.1	5.2	0.3	0.3	0	0	0	0	0
282-303	0	0.3	0.3	0	0.3	0	0	0	0	0	0	0
304-326	0	0.6	0	0	0	0	0	0	0	0	0	0
327-348	0	0	0	0	0	0	0	0	0	0	0	0



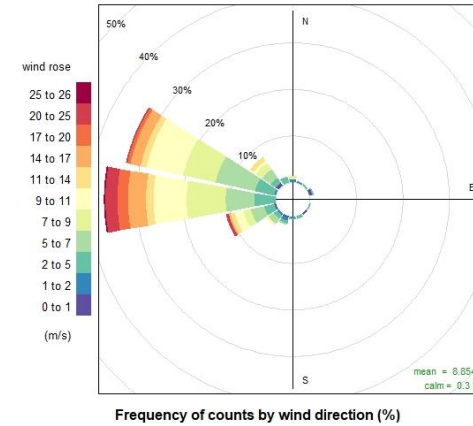
Frequency of counts by wind direction (%)

Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	0	0	0.3	0	0	0	0	0	0	0	0	0
12-33	0	0	0	0	0	0	0	0	0	0	0	0
34-56	0	0	0	0	0	0	0	0	0	0	0	0
57-78	0.6	0	0	0	0	0	0	0	0	0	0	0
79-101	0	0	0	0	0	0	0	0	0	0	0	0
102-123	0	0	0	0	0	0	0	0	0	0	0	0
124-146	0	0	0	0	0	0	0	0	0	0	0	0
147-168	0	0	0	0	0	0	0	0	0	0	0	0
168-191	0	0	0	1.3	0	0	0	0	0	0	0	0
192-213	0	0	0.6	1	0.6	0	0	0	0	0	0	0
214-236	0	0	2.3	2.9	1.9	0.6	0	0	0	0	0	0
237-258	0	0.3	2.3	3.2	5.2	2.6	2.9	1.6	0.3	0.3	0	0
259-281	0.3	0	3.9	4.9	9.7	9.1	6.5	4.5	1.6	0.3	0	0
282-303	0	0.6	1.9	6.1	6.1	2.6	4.2	0.3	0	0	0	0
304-326	0	0	1.9	1.9	1.9	0	0	0	0	0	0	0
327-348	0	0	0.3	0	0	0	0	0	0	0	0	0

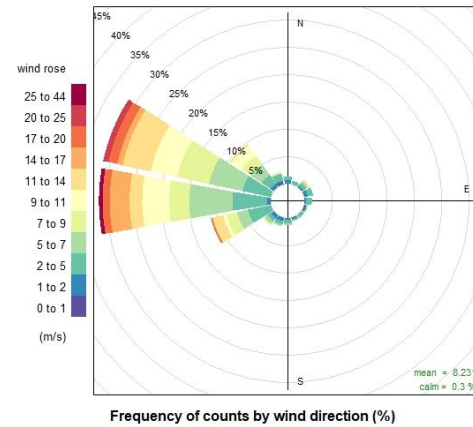


Frequency of counts by wind direction (%)

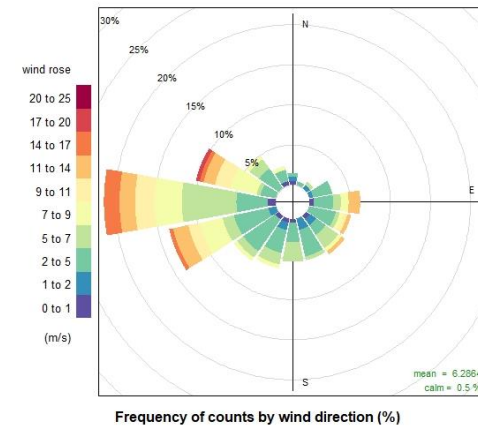
Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	0	0.6	0	0	0.3	0	0.3	0	0	0	0	0
12-33	0	0.3	0	0	0	0	0	0	0	0	0	0
34-56	0	0	0.3	0	0	0	0	0	0	0	0	0
57-78	0.6	0	0.3	0	0	0	0	0	0	0	0	0
79-101	0	0	0	0	0	0	0	0	0	0	0	0
102-123	0	0	0.3	0	0	0	0	0	0	0	0	0
124-146	0.3	0	0	0	0	0	0	0	0	0	0	0
147-168	0	0	0.6	0	0	0	0	0	0	0	0	0
168-191	0	0.3	0.3	0	0	0	0	0	0	0	0	0
192-213	0.3	0.6	0.6	0.3	0	0	0	0	0	0	0	0
214-236	0	0.3	1	1.3	0.3	0.3	0	0	0	0	0	0
237-258	0.3	0	2.3	2.9	1.6	1.9	1	0.3	0	0.6	0	0
259-281	0	0	4.5	6.1	8.4	7.1	1.6	3.9	2.3	2.6	0.3	0
282-303	0	0.3	4.2	8.7	7.1	8.1	1.3	2.3	0.6	0.3	0	0
304-326	0.6	0	1.3	2.3	1.6	0.6	1	0	0	0	0	0
327-348	0	0	1.3	0	0	0	0	0	0	0	0	0



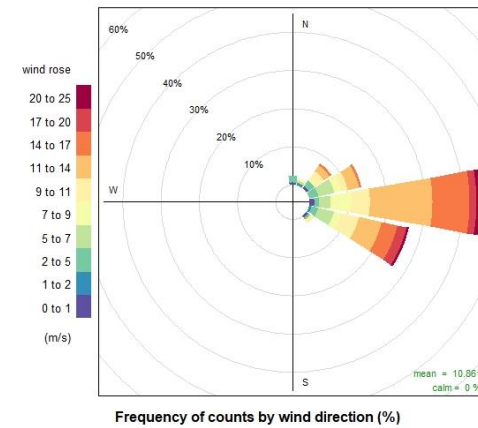
Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	0	0.7	0.7	0	0	0	0	0	0	0	0	0
12-33	0	0	0.7	0	0	0	0	0	0	0	0	0
34-56	0	0.3	0.7	0.3	0	0	0.3	0	0	0	0	0
57-78	0	0.7	1	0	0	0	0	0	0	0	0	0
79-101	0	0.3	1	0	0	0	0	0	0	0	0	0
102-123	0.3	0	0.3	0	0	0	0	0	0	0	0	0
124-146	0	0	0.7	0	0	0	0	0	0	0	0	0
147-168	0	0.3	0.3	0	0	0	0	0	0	0	0	0
168-191	0	0.3	0.7	0.3	0	0	0	0	0	0	0	0
192-213	0	0.7	0.7	0.3	0	0	0	0	0	0	0	0
214-236	0	0.7	0.7	0.7	0.3	0	0	0	0	0	0	0
237-258	0	0	4.3	2	2	0.7	2	0	0.3	0	0	0
259-281	0	0.7	6.3	7.9	3.6	5	2.3	3.6	1.3	0	0.7	0
282-303	0	0	5.3	6.3	5.9	5	5.3	1	1.7	1	0	0
304-326	0	0.7	2	2.3	2	2.3	0.3	0	0	0	0	0
327-348	0.3	0.3	1.3	0	0.3	0	0	0	0	0	0	0



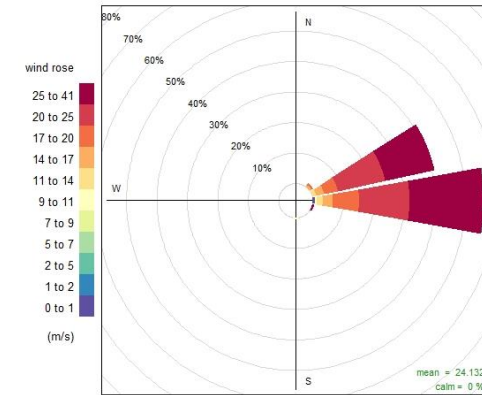
Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	0	0.5	0.5	0.5	0	0	0	0	0	0	0	0
12-33	0	0	0	0.5	0	0	0	0	0	0	0	0
34-56	0	0.5	0	0.5	0	0	0	0	0	0	0	0
57-78	0	0.5	2.4	0	0	0	0	0	0	0	0	0
79-101	0.5	0	2.4	1	1	0	1.5	0	0	0	0	0
102-123	0	0	3.4	0.5	0.5	0.5	0.5	0	0	0	0	0
124-146	0.5	1	1.5	1.9	0.5	0	0.5	0	0	0	0	0
147-168	0	1.5	3.4	0.5	0	0	0	0	0	0	0	0
168-191	0.5	0	2.4	2.4	0	0	0	0	0	0	0	0
192-213	0.5	1	2.9	1.5	0.5	0	0	0	0	0	0	0
214-236	0.5	0	4.9	1	0.5	0	0	0	0	0	0	0
237-258	0	1	4.4	1.5	2.9	1.5	1.9	0.5	0	0	0	0
259-281	1	0	3.9	6.8	3.4	2.4	1.9	1.9	0	0	0	0
282-303	0	0	1.9	0.5	3.4	1.9	1.5	0.5	0.5	0	0	0
304-326	0	0	2.9	1.5	0.5	0	0	0	0	0	0	0
327-348	0.5	0	1.5	0	0.5	0	0	0	0	0	0	0



Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	0	0.6	0	1.8	0	0	0	0	0	0	0	0
12-33	0	0	0.6	0	0.6	0.6	0	0	0	0	0	0
34-56	0	0.6	0	1.8	0	0.6	2.4	1.8	0.6	0	0	0
57-78	0	0	2.4	4.2	1.8	1.8	3	0.6	0	0	0	0
79-101	1.2	0	1.2	3	5.5	4.8	16.4	9.7	1.8	1.2	0	0
102-123	0	0.6	1.8	4.2	1.8	4.8	6.1	4.2	2.4	0.6	0	0
124-146	0.6	0	0.6	0	0	1.2	0	0	0	0	0	0
147-168	0	0	0	0	0	0	0	0	0	0	0	0
168-191	0	0	0	0	0	0	0	0	0	0	0	0
192-213	0	0	0	0	0	0	0	0	0	0	0	0
214-236	0	0	0	0	0	0	0	0	0	0	0	0
237-258	0	0	0	0	0	0	0	0	0	0	0	0
259-281	0	0	0	0	0	0	0	0	0	0	0	0
282-303	0	0	0	0	0	0	0	0	0	0	0	0
304-326	0	0	0	0	0	0	0	0	0	0	0	0
327-348	0	0	0	0	0	0	0	0	0	0	0	0

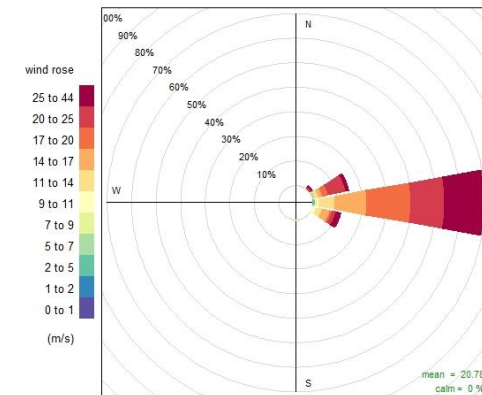


Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	0	0	0	0	0	0	0	0	0	0	0	0
12-33	0	0	0	0	0	0	0	0	0	0	0	0
34-56	0	0	0	0	0	0	0	0	0.7	0.7	0	0
57-78	0	0	0	0	0	0	0	1.3	2.6	4.6	15.9	16.6
79-101	0.7	0	0	0	0	0	0.7	2	3.3	8.6	16.6	24.5
102-123	0	0	0	0	0	0	0	0	0	0	0	0.7
124-146	0	0	0	0	0	0	0	0	0	0	0	0
147-168	0	0	0	0	0	0	0	0	0	0	0	0
168-191	0	0	0	0	0	0	0.7	0	0	0	0	0
192-213	0	0	0	0	0	0	0	0	0	0	0	0
214-236	0	0	0	0	0	0	0	0	0	0	0	0
237-258	0	0	0	0	0	0	0	0	0	0	0	0
259-281	0	0	0	0	0	0	0	0	0	0	0	0
282-303	0	0	0	0	0	0	0	0	0	0	0	0
304-326	0	0	0	0	0	0	0	0	0	0	0	0
327-348	0	0	0	0	0	0	0	0	0	0	0	0



Frequency of counts by wind direction (%)

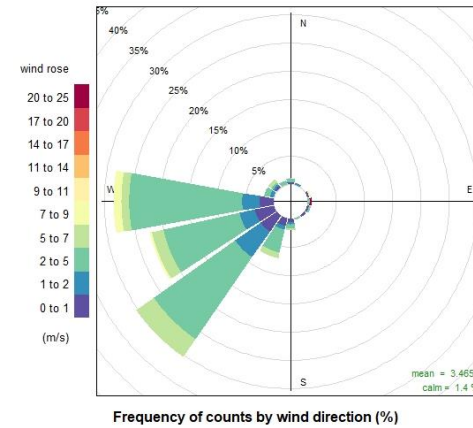
Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	0	0	0	0	0	0	0	0	0	0	0	0
12-33	0	0	0	0	0	0	0	0	0	0	0	0
34-56	0	0	0	0	0	0	0	0	0	0	0.8	0.8
57-78	0	0	0	0	0.8	0	0	1.6	1.6	2.4	7.3	1.6
79-101	0	0	0.8	0	0.8	0.8	0.8	6.5	13	17.9	13.8	16.3
102-123	0	0	0	0	0	0	1.6	2.4	3.3	0.8	1.6	2.4
124-146	0	0	0	0	0	0	0	0	0	0	0	0
147-168	0	0	0	0	0	0	0	0	0	0	0	0
168-191	0	0	0	0	0	0	0.8	0	0	0	0	0
192-213	0	0	0	0	0	0	0	0	0	0	0	0
214-236	0	0	0	0	0	0	0	0	0	0	0	0
237-258	0	0	0	0	0	0	0	0	0	0	0	0
259-281	0	0	0	0	0	0	0	0	0	0	0	0
282-303	0	0	0	0	0	0	0	0	0	0	0	0
304-326	0	0	0	0	0	0	0	0	0	0	0	0
327-348	0	0	0	0	0	0	0	0	0	0	0	0



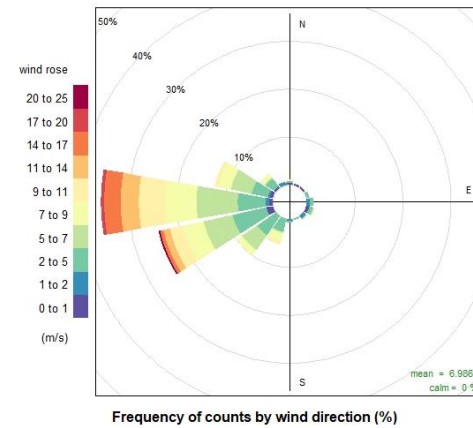
Frequency of counts by wind direction (%)



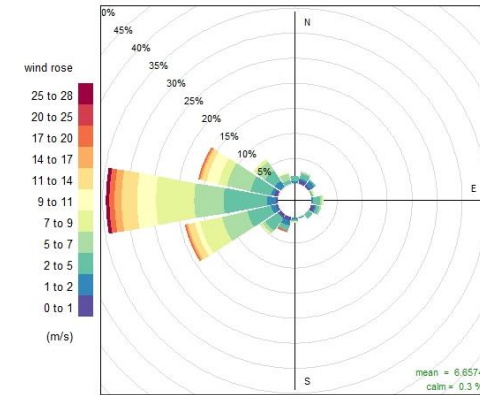
Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	1	0.3	0	0.7	0	0	0	0	0	0	0	0
12-33		0	0.3	0	0	0	0	0	0	0	0	0
34-56		0	0	0	0	0	0	0	0	0	0	0
57-78		0.3	0	0	0	0.3	0	0	0	0	0	0
79-101		0	0	0.3	0	0	0	0	0	0	0.3	0
102-123		0.3	0	0.3	0	0	0	0	0	0	0	0
124-146		0.3	0	0	0	0	0	0	0	0	0	0
147-168		0	0	0.3	0	0	0	0	0	0	0	0
168-191		0.7	0.3	0.7	0.3	0	0	0	0	0	0	0
192-213		1.4	0.7	4.1	1	0	0	0	0	0	0	0
214-236		3.4	5.5	17.6	3.8	0	0	0	0	0	0	0
237-258		3.4	2.8	13.8	2.1	0.3	0	0	0	0	0	0
259-281		2.4	3.1	20	1.4	1.4	0	0	0	0	0	0
282-303		0	0.7	1	0	0	0	0	0	0	0	0
304-326		0.3	0.3	0.3	0.7	0	0	0	0	0	0	0
327-348		0	0	0.7	0	0	0	0	0	0	0	0



Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	0	0.3	0	0.3	0	0.3	0	0	0	0	0	0
12-33		0.3	0	0	0	0	0	0	0	0	0	0
34-56		0.3	0	0	0	0	0	0	0	0	0	0
57-78		0	0	0.7	0	0	0	0	0	0	0	0
79-101		0	0.7	0.7	0	0	0	0	0	0	0	0
102-123		0.7	0	0.7	0.3	0	0	0	0	0	0	0
124-146		0	0.7	0	0.3	0	0	0	0	0	0	0
147-168		0	0	0.3	0	0	0	0	0	0	0	0
168-191		0	0.3	0.3	0	0	0	0	0	0	0	0
192-213		0	0	2.7	0.3	1.7	0.7	0	0	0	0	0
214-236		0	0	4.8	3.8	1.4	0	0	0	0	0	0
237-258		1.4	0	7.2	6.2	4.5	2.7	1.4	0.7	0	0.3	0
259-281		0.7	0.7	5.8	8.6	6.5	5.5	3.8	3.4	0.7	0	0
282-303		0.7	0.3	3.4	4.5	2.7	0.7	0	0	0	0	0
304-326	0.3	0	2.1	0.3	1	0	0	0	0	0	0	
327-348	0	0.7	0	0	0	0	0	0	0	0	0	

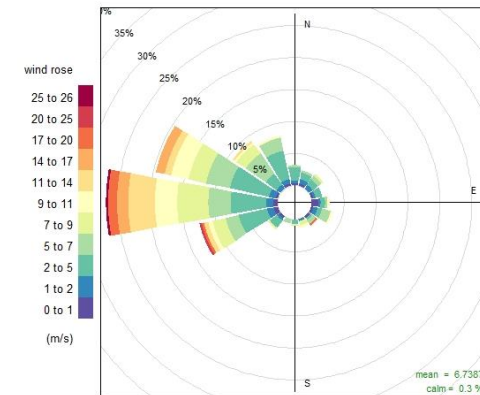


Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	0	0	0.3	1	0	0	0	0	0	0	0	0
12-33		0.7	0.3	1	0.3	0	0	0	0	0	0	0
34-56		0.3	1	0.3	0	0	0	0	0	0	0	0
57-78		0	0	0.3	0	0.3	0	0	0	0	0	0
79-101		0	0.3	1.4	0.3	0.3	0	0	0	0	0	0
102-123		0.7	0.3	0.7	0.3	0	0	0	0	0	0	0
124-146		0	0	1	0	0	0	0	0	0	0	0
147-168		0	0	0.3	0	0	0	0	0	0	0	0
168-191		0	0.3	0.3	0	0.3	0	0	0	0	0	0
192-213		0.7	1	1	0	0	0	0	0	0.3	0	0
214-236		0.7	0	3.1	0.7	0.3	0	0	0	0	0	0
237-258		0.3	1	4.8	5.2	4.5	1	1.4	0.3	0.3	0	0
259-281		0.3	1.7	8.7	5.9	7.6	3.8	3.1	1.4	1	0	0.7
282-303		0.7	0.7	4.2	4.8	1.7	2.4	1	0.3	0.3	0	0
304-326		0	1.4	2.4	2.1	0.7	0	0	0	0	0	0
327-348		0	0	0.7	1.4	0	0.3	0	0	0	0	0



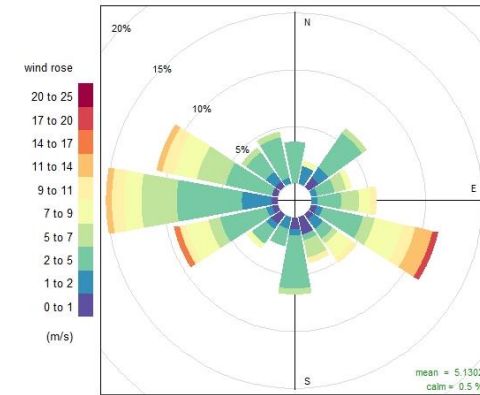
Frequency of counts by wind direction (%)

Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	1	0.3	0.3	2.1	0.3	0	0	0	0	0	0	0
12-33		0.3	0.7	1	0.3	0	0	0	0	0	0	0
34-56		0	0.7	1	0.7	0.3	0	0	0	0	0	0
57-78		0.3	0.3	1	0	0	0	0	0	0	0	0
79-101		1	0.3	0.7	0.3	0	0.3	0	0	0	0	0
102-123		0.3	0.7	0.7	1.4	0	0.3	0	0	0	0	0
124-146		0.3	0	0.3	0.7	0	0	0	0	0.3	0	0
147-168		0	0.3	0	0	0.7	0.3	0	0	0	0	0
168-191		0	0	0.7	0	0.3	0	0	0	0	0	0
192-213		0	0	0	0.7	0	0	0	0	0	0	0
214-236		0.3	0.3	1.4	0	0.3	0	0	0	0	0	0
237-258		0.7	1	4.5	2.1	2.1	0.7	0.7	0	0.3	0.3	0
259-281		0.7	1	5.6	3.5	4.9	3.5	4.2	1.7	1.4	0	0.3
282-303		0.3	1	6.3	3.8	2.8	2.8	1	1.4	0	0	0
304-326		0	0.7	2.1	3.8	1.7	0.3	0.3	0	0	0	0
327-348		0.3	0.7	4.5	2.1	0	0.3	0	0	0	0	0



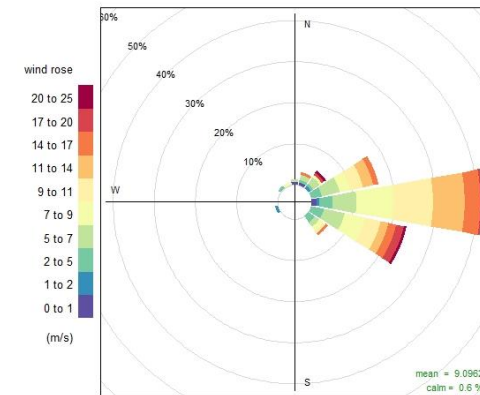
Frequency of counts by wind direction (%)

Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	0	0	3.6	0	0	0	0	0	0	0	0	0
12-33	0	1.6	0	0	0.5	0	0	0	0	0	0	0
34-56	1	1	3.6	0.5	0	0	0	0	0	0	0	0
57-78	0	0.5	1.6	1	0.5	0	0	0	0	0	0	0
79-101	0	0.5	2.1	1.6	1	0.5	0	0	0	0	0	0
102-123	0.5	0.5	3.6	1	2.6	1	1.6	0	0.5	0	0	0
124-146	0.5	1	1	0.5	1.6	0.5	0	0	0	0	0	0
147-168	1.6	0	0.5	1.6	0	0.5	0	0	0	0	0	0
168-191	1	0.5	4.7	0.5	0	0	0	0	0	0	0	0
192-213	0	1	1.6	0	0	0	0	0	0	0	0	0
214-236	1	0.5	1.6	0	0.5	0	0	0	0	0	0	0
237-258	0.5	0.5	4.2	1	2.1	0.5	0	0.5	0	0	0	0
259-281	0.5	2.6	5.7	3.1	1.6	1	0.5	0	0	0	0	0
282-303	0.5	0	4.2	2.6	2.1	1	0.5	0	0	0	0	0
304-326	0.5	1	2.1	0.5	0	0	0	0	0	0	0	0
327-348	0	0.5	3.6	0.5	0	0	0	0	0	0	0	0



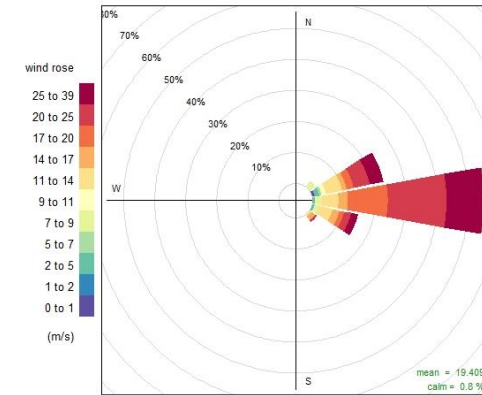
Frequency of counts by wind direction (%)

Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	0.6	0	0	0.6	0	0	0	0	0	0	0	0
12-33	0.6	0	0.6	1.3	0	0	0	0.6	0	0	0	0
34-56	0	0.6	0.6	1.9	0.6	0	0	0	0.6	0.6	0	0
57-78	0	0	2.6	4.5	2.6	3.2	2.6	1.3	0	0	0	0
79-101	1.3	0.6	3.2	5.8	9	9.6	7.7	3.8	0.6	0	0	0
102-123	0	0	3.2	5.1	5.1	3.8	1.9	1.9	1.9	0.6	0	0
124-146	0	0	1.9	1.3	1.3	0.6	0	0.6	0	0	0	0
147-168	0	0	0	0	0	0	0	0	0	0	0	0
168-191	0	0	0	0	0	0	0	0	0	0	0	0
192-213	0	0	0	0	0	0	0	0	0	0	0	0
214-236	0	0	0	0	0	0	0	0	0	0	0	0
237-258	0	0.6	0	0	0	0	0	0	0	0	0	0
259-281	0	0	0	0	0	0	0	0	0	0	0	0
282-303	0	0	0	0	0	0	0	0	0	0	0	0
304-326	0	0	0.6	0	0	0	0	0	0	0	0	0
327-348	0	0	0	0	0.6	0	0	0	0	0	0	0



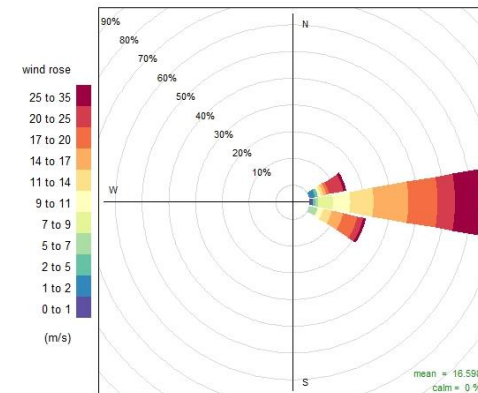
Frequency of counts by wind direction (%)

Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	0	0	0	0	0	0	0	0	0	0	0	0
12-33	0	0	0	0	0	0	0	0	0	0	0	0
34-56	0	0	0	0	0	2.3	0	0	0	0	0	0
57-78	0.8	0	1.5	0.8	0	1.5	5.3	1.5	2.3	5.3	4.5	
79-101	0	0	0.8	0	2.3	0	5.3	3	12.9	18.9	12.1	
102-123	0	0	0.8	0	1.5	0	4.5	2.3	1.5	2.3	2.3	
124-146	0	0	0	0	0	0	0.8	1.5	0	0.8	0	
147-168	0	0	0	0	0	0	0	0	0	0	0	
168-191	0	0	0	0	0	0	0	0	0	0	0	
192-213	0	0	0	0	0	0	0	0	0	0	0	
214-236	0	0	0	0	0	0	0	0	0	0	0	
237-258	0	0	0	0	0	0	0	0	0	0	0	
259-281	0	0	0	0	0	0	0	0	0	0	0	
282-303	0	0	0	0	0	0	0	0	0	0	0	
304-326	0	0	0	0	0	0	0	0	0	0	0	
327-348	0	0	0	0	0	0	0	0	0	0	0	



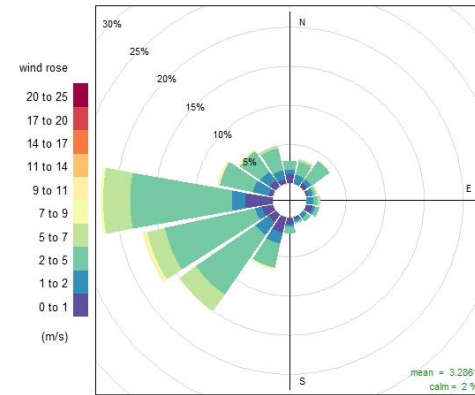
Frequency of counts by wind direction (%)

Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	0	0	0	0	0	0	0	0	0	0	0	0
12-33	0	0	0	0	0	0	0	0	0	0	0	0
34-56	0	0	0	0	0	0	0	0	0	0	0	0
57-78	0	2.2	1.1	0	0	1.1	1.1	1.1	1.1	5.4	1.1	
79-101	1.1	0	1.1	1.1	5.4	6.5	8.7	13	10.9	6.5	9.8	
102-123	0	0	0	3.3	0	2.2	3.3	4.3	5.4	2.2	1.1	
124-146	0	0	0	0	0	0	0	0	0	0	0	
147-168	0	0	0	0	0	0	0	0	0	0	0	
168-191	0	0	0	0	0	0	0	0	0	0	0	
192-213	0	0	0	0	0	0	0	0	0	0	0	
214-236	0	0	0	0	0	0	0	0	0	0	0	
237-258	0	0	0	0	0	0	0	0	0	0	0	
259-281	0	0	0	0	0	0	0	0	0	0	0	
282-303	0	0	0	0	0	0	0	0	0	0	0	
304-326	0	0	0	0	0	0	0	0	0	0	0	
327-348	0	0	0	0	0	0	0	0	0	0	0	



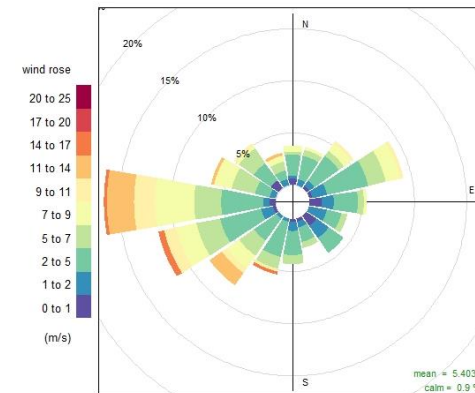
Frequency of counts by wind direction (%)

Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	2	1.2	0.6	1.2	0	0	0	0	0	0	0	0
12-33		0	1.2	1.7	0.3	0	0	0	0	0	0	0
34-56		0.6	0.6	2.9	0	0	0	0	0	0	0	0
57-78		0.3	0.6	0.3	0.3	0	0	0	0	0	0	0
79-101		0	0.9	0.6	0.3	0	0	0	0	0	0	0
102-123		0.9	0.3	0.6	0	0	0	0	0	0	0	0
124-146		0	0.6	0.6	0	0	0	0	0	0	0	0
147-168		0.3	0.3	0.3	0	0	0	0	0	0	0	0
168-191		0.9	0.3	0.9	0	0	0	0	0	0	0	0
192-213		2	1.4	3.2	0	0.3	0	0	0	0	0	0
214-236		1.2	2	9.2	2.6	0	0	0	0	0	0	0
237-258		1.4	0.9	11.8	2.3	0.3	0.3	0	0	0	0	0
259-281		3.5	1.7	13	3.5	0.3	0	0	0	0	0	0
282-303		0.6	2	4.3	0	0	0.3	0	0	0	0	0
304-326		0.9	1.4	3.2	0	0.3	0	0	0	0	0	0
327-348		0.6	1.2	2.9	0.3	0	0	0	0	0	0	0



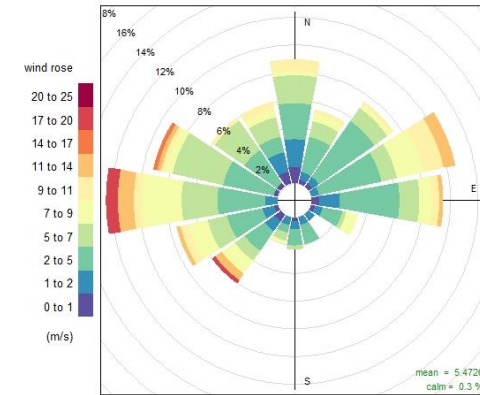
Frequency of counts by wind direction (%)

Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	1	0.6	0.3	2	0.3	0.6	0	0	0	0	0	0
12-33		0	0.6	2.3	0.6	0.3	0	0	0	0	0	0
34-56		0.3	0.6	2.9	0.6	0.9	0.3	0	0	0	0	0
57-78		0.3	1.4	4	1.7	1.4	0.3	0	0	0	0	0
79-101		1.2	1.2	2.3	0.6	0.3	0	0	0	0	0	0
102-123		0	1.7	1.4	0.6	0	0	0	0	0	0	0
124-146		1.2	1.4	1.7	0	0	0	0	0	0	0	0
147-168		0.3	0.6	1.2	0.6	0	0	0	0	0	0	0
168-191		0.3	0.9	2.6	0.9	0	0	0	0	0	0	0
192-213		0	0.3	3.5	1.2	0	0.3	0	0.3	0	0	0
214-236		0	0.3	2.6	1.7	1.4	0.6	1.4	0	0	0	0
237-258		0.3	1.2	4	2.3	2	1.2	0	0.6	0	0	0
259-281		0.6	0.6	4	2.6	3.7	2	2.6	0.3	0	0	0
282-303		0	0.6	1.4	2.3	1.7	0	0.3	0	0	0	0
304-326		0.9	0	2	1.7	0.3	0.3	0	0	0	0	0
327-348		0	0.6	0.9	0.9	0.6	0	0.3	0	0	0	0



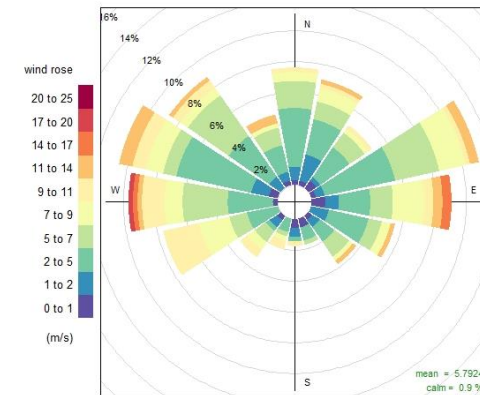
Frequency of counts by wind direction (%)

Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11		1.2	2	2.6	2	0.3	0.9	0	0	0	0	0
12-33		0.3	0.6	2.6	1.2	0.6	0.3	0	0	0	0	0
34-56		0.3	0.6	4.9	1.2	0.3	0.3	0	0	0	0	0
57-78		0	0.6	4.6	1.2	2	1.4	0.9	0	0	0	0
79-101		0.6	1.4	4.3	1.4	0.9	0.6	0.3	0	0	0	0
102-123		0.3	0.6	1.4	0.3	0.9	0	0	0	0	0	0
124-146		0	0.6	0	0	0	0	0	0	0	0	0
147-168	0	0	0.6	1.4	0	0	0	0	0	0	0	0
168-191		0.3	0.6	1.2	0.3	0	0	0	0	0	0	0
192-213		0	0.6	0.6	0.6	0.3	0	0	0	0	0	0
214-236		0.6	0.9	1.7	0.9	1.2	0	0.6	0	0.3	0	0
237-258		0.3	0.9	2.6	1.4	1.4	0.6	0.3	0	0	0	0
259-281		0	0.9	3.5	2.6	2.9	0.6	1.2	0	0.9	0	0
282-303		0.3	0	3.7	3.7	0.6	0.3	0.3	0.3	0	0	0
304-326		0.3	0	2.9	2.6	0	0.3	0	0	0	0	0
327-348		0.9	1.4	1.2	1.4	0.6	0.6	0	0	0	0	0



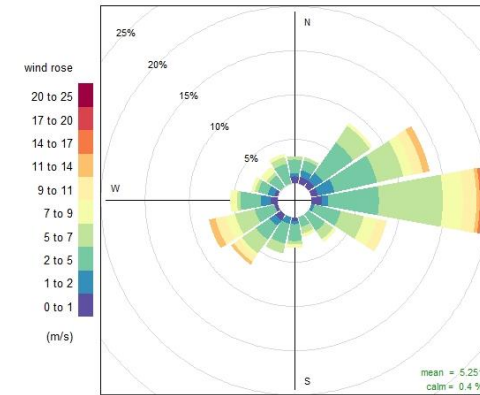
Frequency of counts by wind direction (%)

Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11		0.3	0.9	3.8	1.8	0.6	0.3	0	0	0	0	0
12-33		0.3	1.8	2.3	1.2	0.9	0.3	0.3	0	0	0	0
34-56		0.6	0.3	2.3	1.2	0.3	0.3	0	0	0	0	0
57-78		0.3	0.6	4.7	2.9	1.8	0.3	0.6	0	0	0	0
79-101		0.9	0.9	2	1.5	2	0.6	0.6	0.6	0	0	0
102-123		0	1.2	2.6	0.9	0.6	0	0.3	0	0	0	0
124-146		0.3	0.6	1.2	1.2	0.3	0	0.3	0	0	0	0
147-168	0	0.6	0	0.9	0	0	0	0	0	0	0	0
168-191		0.6	0.6	0.3	0.3	0	0.3	0	0	0	0	0
192-213		0	0	0.9	0.3	0.3	0.6	0	0	0	0	0
214-236		0.3	0.6	0.3	0.9	0.6	0.6	0	0	0	0	0
237-258		0	0	2	1.2	2	2.3	0	0	0	0	0
259-281		0.3	0	2.9	2.9	1.2	1.5	0.3	0.3	0.3	0	0
282-303		0.6	1.2	5	0.9	1.2	0.9	0.9	0	0	0	0
304-326		0	0.9	3.2	3.2	0.6	0.6	0.3	0	0	0	0
327-348		0.3	0.6	1.8	1.2	0.3	0	0.6	0	0	0	0



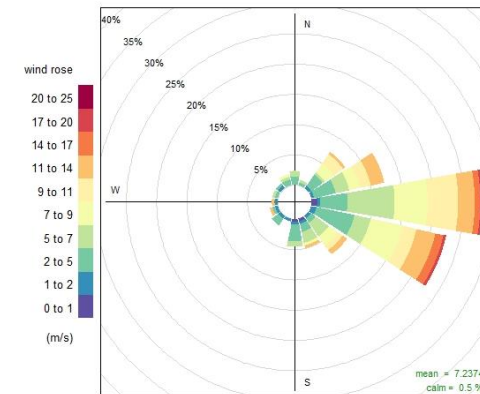
Frequency of counts by wind direction (%)

Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11		0.8	0.4	1.5	0.4	0	0	0	0	0	0	0
12-33		0.8	0.8	1.1	0.4	0	0	0	0	0	0	0
34-56		0.8	1.1	4.2	2.3	0.4	0	0	0	0	0	0
57-78		0.8	1.9	4.9	3	1.1	1.1	0.8	0	0	0	0
79-101		1.1	0.8	5.7	7.2	2.3	1.5	0.4	0.4	0	0	0
102-123		0	0.4	3	2.7	1.5	1.1	0	0	0	0	0
124-146		0	0	2.3	1.1	0.4	0	0	0	0	0	0
147-168	0	0	0	1.1	0.8	0.4	0	0	0	0	0	0
168-191		0.4	0.4	1.9	0.4	0.4	0	0	0	0	0	0
192-213		0	0.8	2.3	1.1	0	0	0	0	0	0	0
214-236		0.8	0.8	1.9	1.9	0.4	0.8	0.4	0	0	0	0
237-258		0.4	0	2.3	2.3	1.1	1.1	0.8	0	0	0	0
259-281		0.8	1.1	2.3	0.4	0.8	0	0	0	0	0	0
282-303		0.4	0.8	1.1	0.4	0.4	0	0	0	0	0	0
304-326		0	0	1.5	0.4	0.8	0	0	0	0	0	0
327-348		0	0	2.3	0.8	0.4	0	0	0	0	0	0



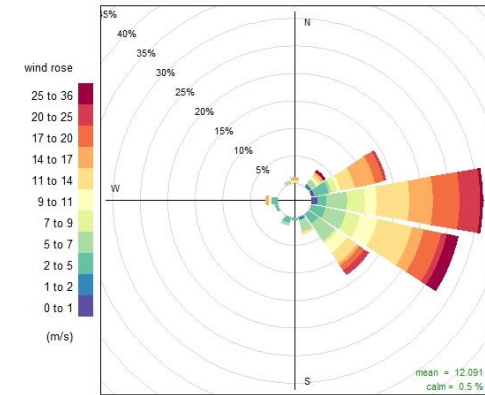
Frequency of counts by wind direction (%)

Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11		0	0	1.4	0.9	0	0	0	0	0	0	0
12-33		0	0	0.5	0.5	0	0	0	0	0	0	0
34-56		0	0.5	2.3	0.5	1.8	1.8	0.5	0	0	0	0
57-78		0	0.5	3.7	2.3	1.8	1.8	2.3	0	0	0	0
79-101		0.9	0.5	4.6	7.8	5.5	5	2.7	0.9	0.5	0	0
102-123		0	0.9	6.4	2.7	5.5	2.3	3.2	1.4	0.5	0	0
124-146		0	0.5	0.9	2.7	1.8	0.9	0.9	0	0	0	0
147-168	0	0.5	0.5	0.9	1.8	0.5	0	0.5	0	0	0	0
168-191		0.5	0.5	3.2	0.9	0	0	0	0	0	0	0
192-213		0	0.5	0	0	0	0	0	0	0	0	0
214-236		0	0.5	1.4	0	0	0	0	0	0	0	0
237-258		0	0.5	0.5	0	0	0	0.5	0	0	0	0
259-281		0	0.5	0	0	0	0	0.5	0	0	0	0
282-303		0	0	0.5	0.5	0	0	0	0	0	0	0
304-326		0	0.5	0.5	0	0	0	0	0	0	0	0
327-348		0	0	0.9	0.5	0.5	0	0	0	0	0	0



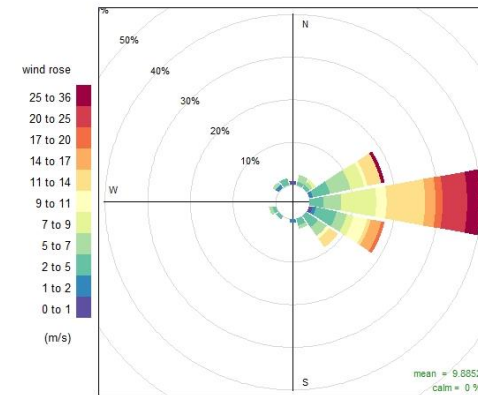
Frequency of counts by wind direction (%)

Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	0	0	0	0	0	0.5	0	0	0.5	0	0	0
12-33	0	0	0	0	0	0	0	0	0	0	0	0
34-56	0	0.5	0	1.1	0	0.5	0.5	0.5	0.5	0	0	0.5
57-78	0.5	0	2.7	0.5	1.1	0.5	2.7	3.8	1.6	0.5	0	0
79-101	1.1	0	1.6	3.8	3.2	2.2	5.9	4.3	4.8	3.8	0.5	0
102-123	0	0	2.7	3.8	2.7	3.2	6.5	2.2	3.2	1.1	2.2	0
124-146	0	0	2.2	3.8	0.5	2.2	2.2	0.5	1.1	1.1	0	0
147-168	0	0.5	0	2.2	0	0	0.5	0	0	0	0	0
168-191	0	0	0.5	0	0	0	0	0	0	0	0	0
192-213	0	0	1.1	0.5	0	0	0	0	0	0	0	0
214-236	0	0	0	0	0	0	0	0	0	0	0	0
237-258	0	0	0.5	0	0	0	0	0	0	0	0	0
259-281	0	0	1.1	0	0	0.5	0	0.5	0	0	0	0
282-303	0	0	0	0	0	0	0	0	0	0	0	0
304-326	0	0	0	0	0	0	0	0	0	0	0	0
327-348	0	0	0	0.5	0	0	0	0	0	0	0	0



Frequency of counts by wind direction (%)

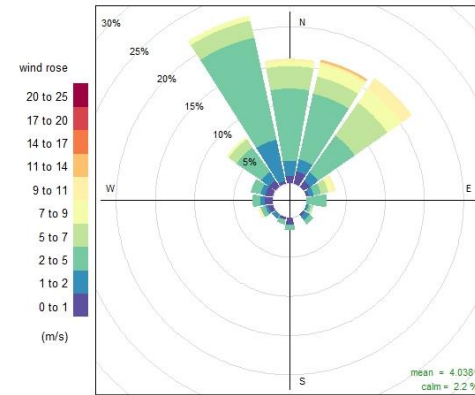
Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	0.8	0	0	0	0	0	0	0	0	0	0	0
12-33	0	0	0.8	1.6	0	0	0	0	0	0	0	0
34-56	0	0	0.8	0.8	0.8	0	0	0	0	0	0	0
57-78	0	0.8	4.1	4.9	3.3	0.8	3.3	0	0	0	0	0.8
79-101	0	0	3.3	4.1	8.2	2.5	9	2.5	1.6	5.7	3.3	0
102-123	0.8	0.8	4.9	2.5	1.6	3.3	0.8	2.5	0.8	0	0	0
124-146	0	0	3.3	2.5	0	0.8	2.5	0	0	0	0	0
147-168	0	0	1.6	0.8	0	0	0	0	0	0	0	0
168-191	0	0.8	0	0	0	0	0	0	0	0	0	0
192-213	0	0	0	0	0	0	0	0	0	0	0	0
214-236	0	0	0.8	0	0	0	0	0	0	0	0	0
237-258	0	0	0.8	0.8	0	0	0	0	0	0	0	0
259-281	0	0	0	0	0	0	0	0	0	0	0	0
282-303	0	0	0	0	0	0	0	0	0	0	0	0
304-326	0	0.8	0	0.8	0	0	0	0	0	0	0	0
327-348	0	0	1.6	0	0	0	0	0	0	0	0	0



Frequency of counts by wind direction (%)

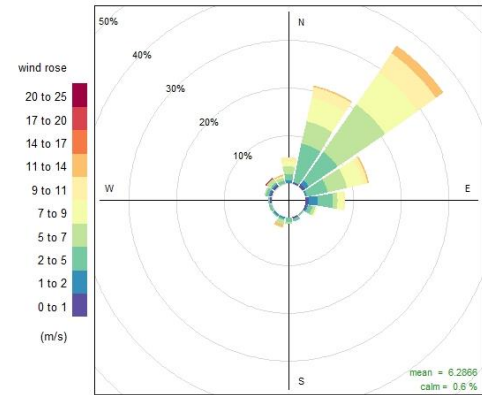


Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	2	1	1.9	9.2	2.9	0.6	0.3	0	0	0	0	0
12-33		1.6	1.6	8.6	2.2	1.6	0.3	0.3	0	0	0	0
34-56		1	1.3	5.7	5.1	2.2	1.6	0	0	0	0	0
57-78		0.3	0.6	1	1	0.6	0.3	0	0	0	0	0
79-101		0	0	2.5	0	0	0	0	0	0	0	0
102-123		0	0.3	0.3	0.3	0	0	0	0	0	0	0
124-146		0.3	0.6	0.6	0	0	0	0	0	0	0	0
147-168		0	0	0	0	0	0	0	0	0	0	0
168-191		1	0	0.6	0	0	0	0	0	0	0	0
192-213		0.3	0	0.6	0	0	0	0	0	0	0	0
214-236		0	0.6	0	0	0	0	0	0	0	0	0
237-258		0.6	0.3	0.6	0	0	0.3	0	0	0	0	0
259-281		1	0.6	1	0	0	0	0	0	0	0	0
282-303		1	0.6	1.3	0	0	0	0	0	0	0	0
304-326		1	1.3	3.8	1.3	0.3	0	0	0	0	0	0
327-348		0.3	5.4	13.3	2.2	0.6	0	0	0	0	0	0



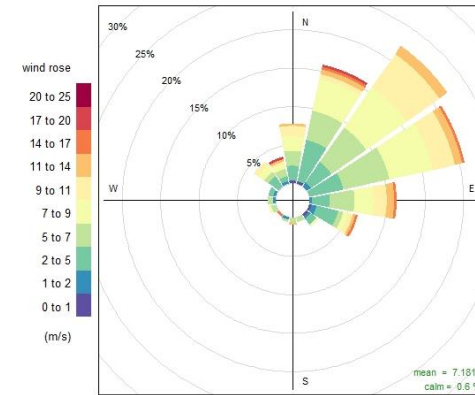
Frequency of counts by wind direction (%)

Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	1	0	0.6	1.3	1.6	1	1	0	0	0	0	0
12-33		0.3	0	8.3	4.8	5.1	2.2	0.3	0	0	0	0
34-56		0.6	1	7.3	12.1	8.3	4.8	1.9	0	0	0	0
57-78		0	0.3	4.5	4.1	3.5	1	0.3	0	0	0	0
79-101		0.6	1.9	3.2	1	1.3	0.3	0	0	0	0	0
102-123		0.3	0.3	1	0.6	0.3	0	0	0	0	0	0
124-146		0	0	0.3	0	0	0	0	0	0	0	0
147-168		0.3	0	0.6	0	0	0	0	0	0	0	0
168-191		0	0	1	0.3	0	0	0	0	0	0	0
192-213		0	0.3	0.3	1	0	0	0.6	0	0	0	0
214-236		0	0.3	0.3	0	0	0	0	0	0	0	0
237-258		0	0	0.6	0	0	0	0	0	0	0	0
259-281		0.3	0	0.3	0	0	0	0	0	0	0	0
282-303		0.3	0.3	0.6	0.3	0	0	0	0	0	0	0
304-326		0.3	0.3	0.3	1	0	0	0	0	0.3	0	0
327-348		0	0	0.6	0.6	0.3	0	0.3	0	0	0	0



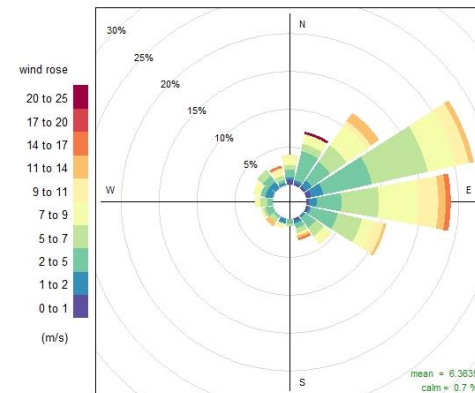
Frequency of counts by wind direction (%)

Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	1	0.3	0	1.9	1.9	1.9	1.3	0.3	0	0	0	0
12-33		0.3	0	5.5	3.9	4.2	0.6	0.6	0.3	0.3	0	0
34-56		0	0.6	3.2	5.5	6.5	5.2	1.3	0	0	0	0
57-78		0	0	4.5	6.1	5.8	2.9	1	0.3	0	0	0
79-101		0	0.3	2.3	3.2	2.6	1.6	1	0.3	0	0	0
102-123		0.3	0.6	2.9	0.6	0.6	0.6	0.3	0.3	0	0	0
124-146		0.3	0.3	1	0	0.3	0	0	0	0	0	0
147-168		0	0	0	0.6	0	0	0	0	0	0	0
168-191		0	0	0	0.6	0	0	0.3	0	0	0	0
192-213		0	0.3	0	0.3	0	0	0	0	0	0	0
214-236		0	0	0	0	0	0	0	0.3	0	0	0
237-258		0	0	0	0.6	0.3	0	0	0	0	0	0
259-281		0	0.3	0	0.6	0	0	0	0	0	0	0
282-303		0	0.3	0.6	0	0	0	0	0	0	0	0
304-326		0	0	1.6	0.6	1	0.6	0	0	0	0	0
327-348		0	0.3	0.6	1	0.6	0.3	0.3	0	0.3	0	0



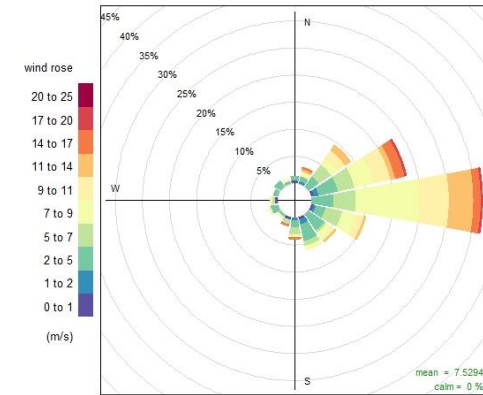
Frequency of counts by wind direction (%)

Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	1	0.7	0.3	1	0.7	1	0.3	0	0	0	0	0
12-33		0.3	0.3	3.9	1	1.3	0	0	0	0	0.3	0
34-56		0.3	1	3	2.6	3.3	0.7	1.3	0	0	0	0
57-78		0.7	1.6	6.6	7.5	3.9	1.6	0.7	0	0	0	0
79-101		0.3	1	3.3	4.9	5.2	2.6	1	0.7	0	0	0
102-123		0.3	0.3	3.6	3.3	1.6	1.3	0.3	0	0	0	0
124-146		0	0.3	1.6	1.3	1	0.3	0	0	0	0	0
147-168		0.3	0.3	0.7	0.7	0.3	0	0.3	0.3	0	0	0
168-191		0	0	0.7	0.3	0	0	0	0	0	0	0
192-213		0	0.7	0	0	0.3	0.3	0	0	0	0	0
214-236		0	0	0.3	0.7	0	0	0.7	0	0	0	0
237-258		0	0	1	0.3	0	0.3	0	0	0	0	0
259-281		0	0	0.7	1	0.7	0	0	0	0	0	0
282-303		0	1	0.7	0	1	0	0	0	0	0	0
304-326		0	1	1	1	0	0	0	0	0	0	0
327-348		0	0.3	0.3	0.7	0.3	0.7	0	0.3	0	0	0



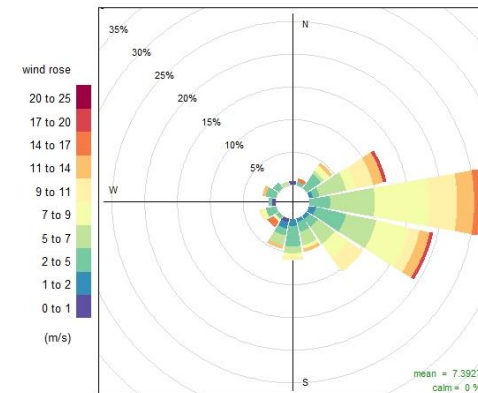
Frequency of counts by wind direction (%)

Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	0	0.5	0	0.9	0	0	0	0	0	0	0	0
12-33	0	0	0.5	0.9	0	0.9	0	0.5	0.5	0	0	0
34-56	0	0	0	2.3	2.7	1.4	1.8	1.4	0	0	0	0
57-78	0	0.5	0.9	3.6	3.2	3.6	3.2	0.9	1.8	0.5	0	0
79-101	0	0	0	4.1	4.1	11.8	5.4	4.5	1.4	0.5	0	0
102-123	0	0.5	0.5	1.8	3.2	2.7	1.4	0.5	0	0	0	0
124-146	0	0	0	3.6	0.5	1.4	0.5	0.5	0	0	0	0
147-168	0	0.5	0.9	3.2	0.9	0.9	0	0	0	0	0	0
168-191	0	0	0.5	1.4	1.4	0.5	0	0	0.5	0	0	0
192-213	0	0.5	0	0	0.9	0	0	0	0.5	0	0	0
214-236	0	0	0	0.5	0	0.5	0	0	0	0	0	0
237-258	0	0	0	1.4	0	0.5	0	0	0	0	0	0
259-281	0	0.5	0	0	0.5	0	0.5	0	0	0	0	0
282-303	0	0	0	0.9	0	0	0	0	0	0	0	0
304-326	0	0	0	1.4	0	0	0	0	0	0	0	0
327-348	0	0	0	0.5	0	0.5	0	0	0	0	0	0



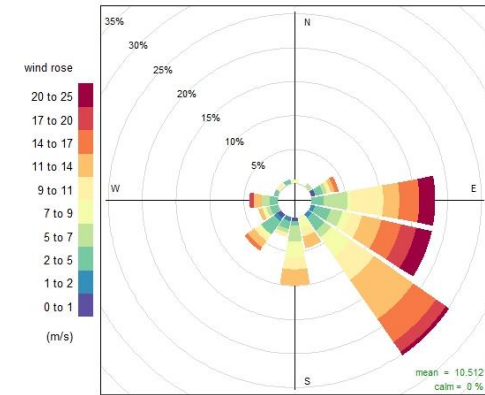
Frequency of counts by wind direction (%)

Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	0	0.5	0	0	0	0	0	0	0	0	0	0
12-33	0	0	0	0.5	0	0	0	0	0.5	0	0	0
34-56	0	0	0	2.6	0.5	1	0	0.5	0	0	0	0
57-78	0	0.5	0.5	1	4.2	1.6	2.6	1.6	0	0.5	0	0
79-101	0	0	0	3.1	6.8	8.4	4.2	2.6	1	0	0	0
102-123	0	0	1	4.7	4.7	5.2	1.6	1.6	0	0.5	0	0
124-146	0	0	0.5	1.6	3.1	2.6	2.6	0	0	0	0	0
147-168	0	0	0.5	1.6	2.1	0.5	0	0.5	0	0	0	0
168-191	0	0	1	3.1	1	0.5	0.5	0	0	0	0	0
192-213	0	0.5	1	1	1.6	0	0	0.5	0	0	0	0
214-236	0	0	0	0.5	0	0.5	0	0	1	0	0	0
237-258	0	0	0	1.6	0	0.5	0.5	0	0	0	0	0
259-281	0	0.5	0	0.5	0	0	0	0	0	0	0	0
282-303	0	0	0	1.6	0	0	0	0.5	0	0	0	0
304-326	0	0	0	1	0	0	0	0	0	0	0	0
327-348	0	0	0	0	0.5	0	0	0	0	0	0	0



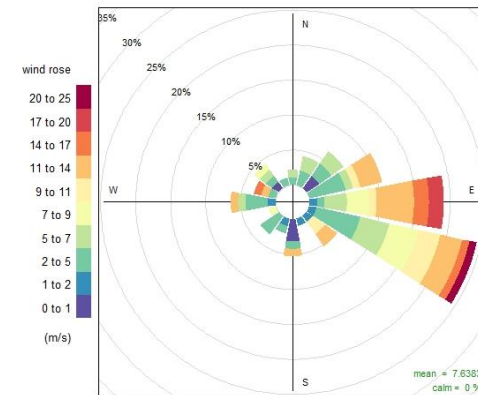
Frequency of counts by wind direction (%)

Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	0	0	0	0	0	0.6	0	0	0	0	0	0
12-33	0	0	0	0	0	0	0	0	0	0	0	0
34-56	0	0	0	0.6	0	0	0	0	0	0	0	0
57-78	0.6	0	1.2	0.6	0	0.6	0.6	0.6	0	0	0	0
79-101	0	0	1.8	3.5	0.6	4.7	2.4	2.9	0	2.4	0	0
102-123	0	0.6	2.4	1.8	1.2	1.8	2.9	2.9	2.4	2.4	0	0
124-146	0	0.6	2.4	1.2	3.5	4.1	7.1	4.1	1.8	0.6	0	0
147-168	0	0	0	0	1.8	1.2	1.8	0	0	0	0	0
168-191	0.6	0	0.6	2.4	2.4	1.8	2.4	0	0	0	0	0
192-213	0	0.6	1.2	0.6	0	0.6	0	0	0	0	0	0
214-236	0.6	0.6	2.4	0	0.6	0.6	1.2	0.6	0	0	0	0
237-258	0	0	1.2	0.6	0.6	0	0.6	0	0	0	0	0
259-281	0	0	1.2	1.2	0	0	1.2	0	0.6	0	0	0
282-303	0	0	0.6	0	0	0	0	0	0	0	0	0
304-326	0	0	0	0	0	0.6	0	0	0	0	0	0
327-348	0	0	0.6	0	0	0	0	0	0	0	0	0



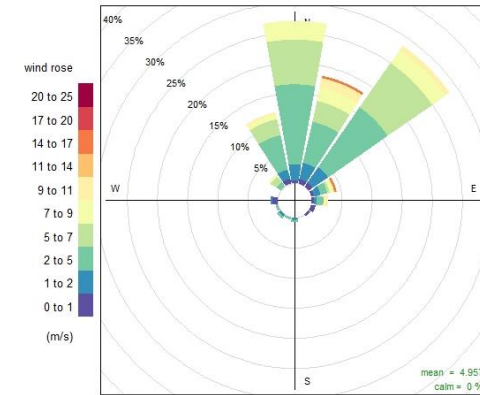
Frequency of counts by wind direction (%)

Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	0	0	1.1	1.1	0	0	0	0	0	0	0	0
12-33	0	0	2.1	2.1	0	0	0	0	0	0	0	0
34-56	2.1	0	2.1	2.1	0	0	0	0	0	0	0	0
57-78	0	0	5.3	1.1	0	1.1	3.2	0	0	0	0	0
79-101	0	1.1	1.1	3.2	3.2	1.1	5.3	2.1	2.1	0	0	0
102-123	0	1.1	6.4	4.3	4.3	3.2	3.2	1.1	0	1.1	0	0
124-146	0	1.1	0	0	0	2.1	2.1	0	0	0	0	0
147-168	0	1.1	0	0	0	0	0	0	0	0	0	0
168-191	3.2	0	1.1	0	0	0	1.1	0	0	0	0	0
192-213	0	1.1	1.1	0	0	0	0	0	0	0	0	0
214-236	0	0	3.2	0	0	0	0	0	0	0	0	0
237-258	0	0	0	0	1.1	0	0	0	0	0	0	0
259-281	0	1.1	3.2	1.1	0	0	1.1	0	0	0	0	0
282-303	0	0	1.1	0	0	0	1.1	1.1	0	0	0	0
304-326	1.1	0	1.1	1.1	1.1	0	0	0	0	0	0	0
327-348	0	0	1.1	0	0	0	0	0	0	0	0	0



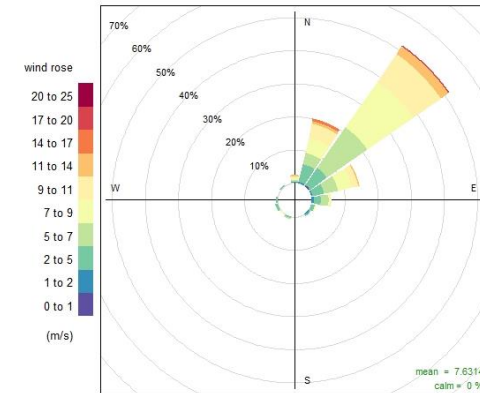
Frequency of counts by wind direction (%)

Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	0	0.4	2.7	13.3	7.4	3.1	0	0	0	0	0	0
12-33		0.8	2.7	7	3.5	2.3	1.6	0	0.4	0	0	0
34-56		0.8	3.1	12.1	9	2.7	0.8	0	0	0	0	0
57-78		0.4	1.2	1.2	0.4	0.8	0	0	0.4	0	0	0
79-101		0.4	0.4	1.2	0	0	0.8	0	0	0	0	0
102-123		0.8	0	0	0	0	0	0	0	0	0	0
124-146		0.4	0	0	0	0	0	0	0	0	0	0
147-168		0	0	0	0	0	0	0	0	0	0	0
168-191		0	0.4	0.4	0	0	0	0	0	0	0	0
192-213		0	0	0.4	0	0	0	0	0	0	0	0
214-236		0	0.4	0.4	0	0	0	0	0	0	0	0
237-258		0	0	0.4	0	0	0	0	0	0	0	0
259-281		0.8	0.4	0	0	0	0	0	0	0	0	0
282-303		0	0	0	0	0	0	0	0	0	0	0
304-326		0	0	0.8	1.2	0.4	0	0	0	0	0	0
327-348		0.8	1.6	5.9	2.7	0.8	0.4	0	0	0	0	0



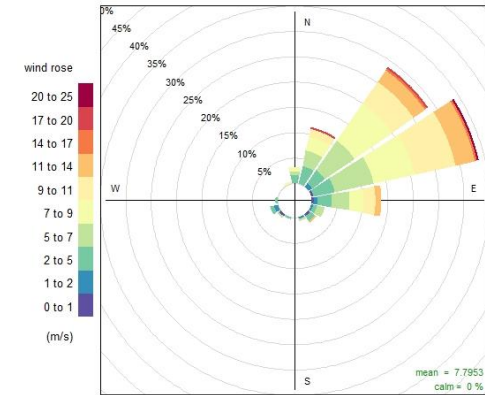
Frequency of counts by wind direction (%)

Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	0	0	0.4	0	0.4	0.4	0.8	0.4	0	0	0	0
12-33		0	0.4	5.5	3.5	4.7	4.3	0.8	0.8	0	0	0
34-56		0.4	0	6.3	14.9	16.9	10.2	2.7	0	0.4	0	0
57-78		0	0.4	3.5	4.3	4.3	2	0.4	0	0	0	0
79-101		0	0.8	2	2.4	0.4	0.4	0	0	0	0	0
102-123		0	0	1.2	0	0.4	0	0	0	0	0	0
124-146		0	0.4	0.4	0	0	0	0	0	0	0	0
147-168		0	0	0	0	0	0	0	0	0	0	0
168-191		0	0	0	0	0	0	0	0	0	0	0
192-213		0	0	0.4	0.4	0	0	0	0	0	0	0
214-236		0	0	0	0	0.4	0	0	0	0	0	0
237-258		0	0	0.8	0	0	0	0	0	0	0	0
259-281		0	0	0.4	0	0	0	0	0	0	0	0
282-303		0	0	0	0	0	0	0	0	0	0	0
304-326		0	0	0.4	0	0	0	0	0	0	0	0
327-348		0	0	0	0	0	0	0	0	0	0	0



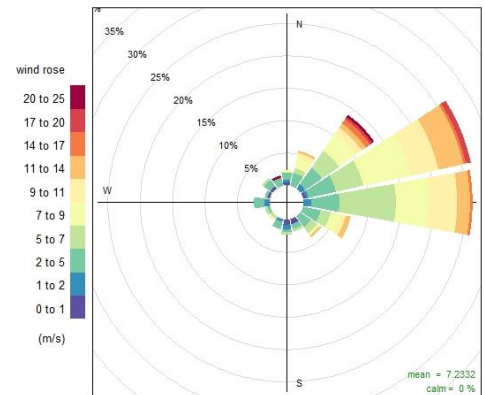
Frequency of counts by wind direction (%)

Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	0	0	1.6	0.8	0.8	0	0	0	0	0	0	0
12-33	0	0	3.5	3.1	2.8	1.6	0	0	0.4	0	0	0
34-56	0	0.8	3.1	7.1	9.1	5.1	2.8	0.4	0.4	0	0	0
57-78	0.4	0	4.3	7.9	8.3	8.3	3.9	0.4	0	0.4	0	0
79-101	0.4	0.8	2.8	3.5	2.8	2.4	1.2	0	0	0	0	0
102-123	0	0.4	0.8	1.6	0	0	0	0	0	0	0	0
124-146	0.4	0	1.2	0	0	0	0.4	0	0	0	0	0
147-168	0	0.4	0	0.4	0	0	0	0	0	0	0	0
168-191	0	0	0	0	0	0	0	0	0	0	0	0
192-213	0	0	0.4	0	0	0	0	0	0	0	0	0
214-236	0.4	0	0	0.4	0	0	0	0	0	0	0	0
237-258	0	0.8	0.8	0	0	0	0	0	0	0	0	0
259-281	0	0	0.4	0	0	0	0	0	0	0	0	0
282-303	0	0	0	0	0	0	0	0	0	0	0	0
304-326	0	0	0	0	0	0	0	0	0	0	0	0
327-348	0	0	0	0	0.4	0	0	0	0	0	0	0



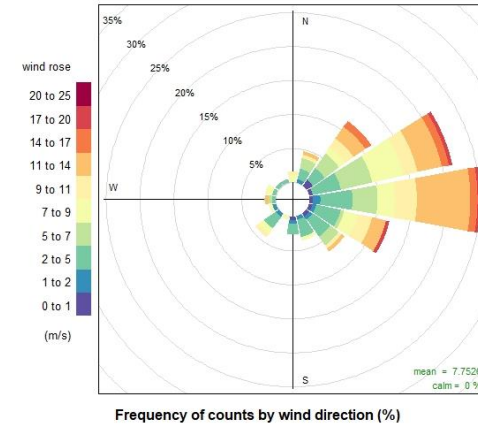
Frequency of counts by wind direction (%)

Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	0.4	0.4	1.2	0	0.4	0	0	0	0	0	0	0
12-33	0	0	2	0.8	1.6	0.8	0.4	0	0	0	0	0
34-56	0	0.8	3.2	3.2	3.2	1.2	0.8	0.8	0.4	0.4	0	0
57-78	0.4	0.4	4.3	4.3	7.5	4.3	4	0.4	0.8	0	0	0
79-101	0	1.2	4.3	8.7	5.1	4.3	2	0.4	0	0	0	0
102-123	0	0	2.8	1.6	1.6	0.8	0.8	0	0	0	0	0
124-146	0	0	2	1.2	0.4	0	0.4	0	0	0	0	0
147-168	0.4	0	0.8	0.4	0	0	0	0	0	0	0	0
168-191	1.2	0.8	0.4	0.4	0	0	0	0	0	0	0	0
192-213	0	0.4	1.2	0	0	0	0	0	0	0	0	0
214-236	0	0	0	0.4	0.4	0	0	0	0	0	0	0
237-258	0	0	0.4	0.4	0	0	0	0	0	0	0	0
259-281	0	0.8	1.6	0	0	0	0	0	0	0	0	0
282-303	0.4	0	0.4	0	0	0	0	0	0	0	0	0
304-326	0.4	0	1.2	0.4	0	0	0	0	0	0	0	0
327-348	0	0	1.2	0	0	0	0	0	0	0.4	0	0

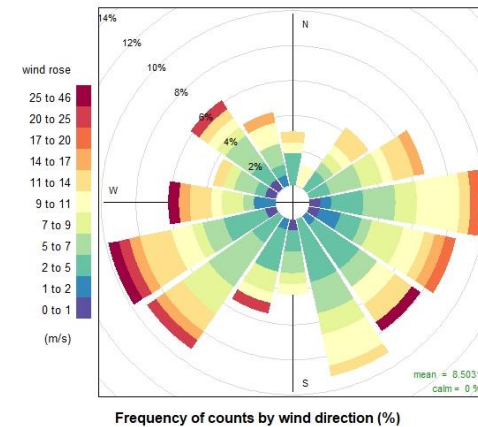


Frequency of counts by wind direction (%)

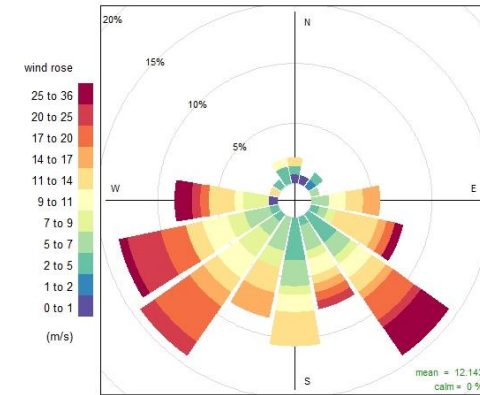
Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	0	0	0	0	0	1.1	0.5	0	0	0	0	0
12-33	0	0.5	1.6	1.6	0	0.5	0.5	0.5	0	0	0	0
34-56	1.1	0	2.1	2.6	1.1	1.6	2.1	1.1	0	0	0	0
57-78	0.5	0	4.2	4.7	4.7	2.1	3.7	1.1	0.5	0	0	0
79-101	0.5	1.1	4.7	3.7	2.6	3.2	7.9	1.1	0.5	0	0	0
102-123	0.5	0.5	3.7	0.5	2.1	2.1	2.1	0	0.5	0	0	0
124-146	0.5	0.5	3.2	1.6	0	0.5	0.5	0	0	0	0	0
147-168	0	0.5	2.6	0	0.5	0	0	0	0	0	0	0
168-191	0.5	0.5	1.6	0	0	0	0	0	0	0	0	0
192-213	0	0	0	0	0.5	0	0	0	0	0	0	0
214-236	0	0.5	2.1	0	1.1	0.5	0	0	0	0	0	0
237-258	0	0.5	0	0	0.5	0	0	0	0	0	0	0
259-281	0	0	0.5	0.5	0	0	0.5	0	0	0	0	0
282-303	0	0	0.5	0	1.1	0	0	0	0	0	0	0
304-326	0	0	0.5	0	0	0	0	0	0	0	0	0
327-348	0	0	0.5	0	0	0	0	0	0	0	0	0



Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	0	0	0	1.8	0	0	0.6	0.6	0	0	0	0
12-33	0	0	0	0	0	0	1.2	0	0	0	0	0
34-56	0	0	0	1.2	0.6	0.6	0.6	1.2	0	0	0	0
57-78	0	0	0	1.2	1.8	1.2	0.6	1.2	0.6	0	0	0
79-101	0.6	0.6	0.6	1.8	1.8	1.2	2.5	0.6	0	0.6	0	0
102-123	0.6	1.2	0.6	1.2	0.6	1.8	1.2	0.6	0.6	0.6	0	0
124-146	0	0.6	0.6	3.1	1.2	0	1.2	1.2	0	0	0	0.6
147-168	0	0	0.6	3.1	1.8	0.6	1.8	0.6	0	0	0	0
168-191	0.6	0	0.6	1.8	1.2	1.2	0.6	0	0	0	0	0
192-213	0	0.6	0.6	2.5	0	1.2	0.6	0	0	0	0.6	0
214-236	0	0	0.6	1.8	3.1	1.8	0	1.2	0.6	0	0.6	0
237-258	0.6	0	0.6	2.5	1.2	0.6	1.2	1.8	0.6	0	0.6	0.6
259-281	0	1.2	0.6	0	0.6	1.2	0.6	1.2	0.6	0	0	0.6
282-303	0.6	0	0.6	0.6	1.2	0.6	0	0.6	0	0	0	0
304-326	0.6	0	0.6	1.2	1.8	0.6	0.6	0.6	0	0	0.6	0
327-348	0	0.6	0.6	0.6	1.2	0	1.2	0	0.6	0	0	0

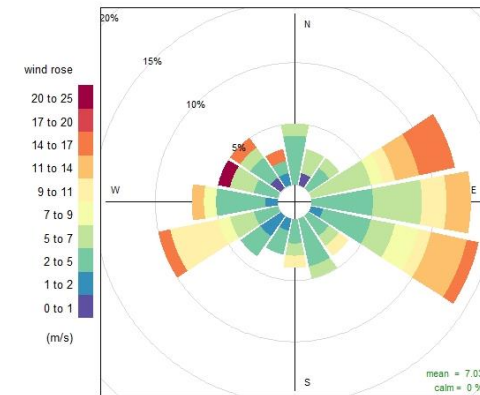


Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11		0.7	0	0.7	0	0	0	0.7	0	0	0	0
12-33		0.7	0	0	0	0	0	0	0	0	0	0
34-56		0	0.7	0.7	0	0	0	0	0	0	0	0
57-78		0	0	0	0.7	0	0	0	0	0	0	0
79-101		0	0	0	1.4	0	1.4	1.4	1.4	0	0	0
102-123		0	0	0.7	0.7	0.7	0	3.6	0.7	0.7	0	0.7
124-146		0	0	2.9	1.4	0.7	1.4	1.4	0.7	2.1	0.7	2.9
147-168	0	0	0	0.7	1.4	0.7	0.7	0.7	0.7	0.7	0.7	0
168-191		0	0	3.6	2.9	0.7	2.1	2.9	0	0	0	0
192-213		0	0	0	2.9	1.4	0	2.1	2.1	0	0	0
214-236		0	0	0.7	1.4	2.1	2.1	1.4	1.4	3.6	1.4	0
237-258		0	0	0.7	2.1	1.4	2.1	1.4	0	2.1	2.9	0.7
259-281		0.7	0	0	0	2.1	0.7	2.1	0	0.7	0.7	1.4
282-303		0	0	0	0	0	0	0.7	0	0	0	0
304-326		0	0	0.7	0	0	0	0	0	0	0	0
327-348		0	0	1.4	0	0	0.7	0	0	0	0	0



Frequency of counts by wind direction (%)

Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11		0	0	4	1	0	0	0	0	0	0	0
12-33		1	0	0	2	0	0	0	0	0	0	0
34-56		0	0	2	1	0	0	0	0	0	0	0
57-78		0	0	0	5	1	1	2	3	0	0	0
79-101		0	0	5	4	0	2	2	0	0	0	0
102-123		0	1	4	2	2	1	3	1	0	0	0
124-146		0	0	2	1	0	1	0	0	0	0	0
147-168	0	0	0	4	1	0	0	0	0	0	0	0
168-191		0	0	2	1	0	1	0	0	0	0	0
192-213		0	1	2	0	0	0	0	0	0	0	0
214-236		0	2	2	0	0	0	0	0	0	0	0
237-258		0	0	2	2	1	4	0	1	0	0	0
259-281		0	1	4	0	1	0	1	0	0	0	0
282-303		0	0	2	2	0	0	0	0	0	1	0
304-326		1	0	2	1	0	0	0	1	0	0	0
327-348		0	1	1	0	0	0	0	1	0	0	0



Frequency of counts by wind direction (%)



PRESSURE	HEIGHT	Hmax	Hmin	TEMP	TMAX	TMIN	DEWPT	DIR	VELO	U	V	VM
SURFACE	1011.2	1015	1003	23.9	29.4	19	21	37	3.1	-1.9	-2.5	3.8
1000	104	141	31	23.7	29	19.1	20.4	39	4.5	-2.8	-3.5	5.2
950	536	595	440	21.2	36.2	10.8	17.3	48	6	-4.5	-4	6.5
925	781	831	713	19.6	26	13.4	16	50	6.2	-4.8	-4	6.6
900	1017	1073	949	18.1	32.6	9	13.3	54	6.3	-5.1	-3.7	6.8
850	1505	1578	1438	15.8	29.4	6.6	7.7	58	5.9	-5	-3.1	6.7
800	2018	2120	1951	13.9	26.6	6	2.7	60	5.1	-4.4	-2.5	6.5
750	2558	2691	2480	12	25.4	3.6	-1.3	63	4	-3.6	-1.8	6.1
700	3135	3294	3040	9.6	22.6	1.6	-5.4	64	3.2	-2.9	-1.4	5.7
650	3742	3932	3635	6.5	18.2	-1.5	-8.3	67	2.8	-2.6	-1.1	5.7
600	4397	4610	4269	2.9	13.6	-4.2	-11.6	68	2.7	-2.5	-1	5.7
550	5102	5337	4953	-1.2	11.2	-6.9	-15.1	67	2.5	-2.3	-1	6.1
500	5848	6123	5692	-5.6	5	-12.5	-18.8	67	2.3	-2.1	-0.9	6.7
450	6665	6970	6495	-10.6	0	-19.1	-23.9	60	1.6	-1.4	-0.8	7.3
400	7560	7892	7373	-16.5	-4.7	-25.4	-28.6	16	0.7	-0.2	-0.7	7.9
350	8548	8914	8348	-23.5	-10.7	-33.5	-35.2	255	1.1	1.1	0.3	8.6
300	9657	9869	9414	-31.9	-22.5	-40.9	-42.1	229	3	2.3	2	9.2
250	10918	11357	10630	-42.2	-32.3	-52.3	-50.8	217	5.4	3.2	4.3	10.5
200	12385	12848	12067	-54.6	-44.1	-64.9	-62.9	209	6.3	3.1	5.5	12.2
175	13226	13699	12892	-61.4	-50.7	-71.7	-62.3	213	5.7	3.1	4.8	12.4
150	14164	14641	13795	-68.5	-56.7	-80.3		211	4.2	2.2	3.6	11.7
125	15239	15715	14752	-74.9	-51.3	-89.6		200	2	0.7	1.9	10.2
100	16515	17400	15942	-79.5	-63.2	-89.4		108	1.6	-1.5	0.5	7.8
80	17785	18800	17250	-77.6	-55.4	-94.9		90	1	-1	0	5.5
70	18552	19200	17362	-74.1	-50.6	-88.5		333	0.2	0.1	-0.2	5.2
60	19415	20700	19020	-69.9	-48.3	-83.5		27	0.2	-0.1	-0.2	5.4
50	20560	22550	20103	-65.1	-44.7	-77.9		84	1.9	-1.9	-0.2	6.5
40	21907	22789	20671	-60.8	-42.1	-76.1		90	4	-4	0	8.2
30	23721	25250	23260	-56.2	-35.2	-73.7		86	5.3	-5.3	-0.4	10.4
25	24853	26450	24335	-54.6	-36	-71.7		86	6.7	-6.7	-0.5	11.7
20	26269	27032	25662	-52.5	-34.9	-68.7		86	6.9	-6.9	-0.5	12.3
15	28140	28977	27583	-49.5	-30.9	-66.7		87	6.6	-6.6	-0.3	10.5
10	30938	31435	30309	-46.4	-40.7	-53.9		69	5.9	-5.5	-2.1	12.3
7	33900	33900	33900	-38.5	-38.5	-38.5		325	5	2.9	-4.1	5

## FREEZING LEVEL

P	Height	H_max	H_min
564	4900	6810	3300

## FIRST TROPOPAUSE

P	Height	Temp

## SECOND TROPOPAUSE

P	Height	Temp
98	16656	-81.9

PRESSURE	HEIGHT	Hmax	Hmin	TEMP	TMAX	TMIN	DEWPT	DIR	VELO	U	V	VM
SURFACE	1010.4	1016	1005	24.5	29.6	18.6	21.6	62	1.9	-1.7	-0.9	3
1000	96	144	25	24.4	30.6	18.3	21.2	62	2.6	-2.3	-1.2	4
950	532	595	440	22.1	29.6	15.4	18.2	68	3.5	-3.3	-1.3	5.2
925	776	827	672	20.7	32.2	13.8	16.1	62	3.8	-3.4	-1.8	5.3
900	1013	1064	941	19.7	31.4	12.9	11.9	66	4.4	-4	-1.8	5.8
850	1503	1555	1429	17.6	26.8	9.8	5.6	60	4.8	-4.2	-2.4	6.2
800	2019	2078	1945	14.9	24.2	7	2	53	4.8	-3.8	-2.9	6.3
750	2558	2630	2485	12.1	21.2	-1.4	-1.7	50	4.2	-3.2	-2.7	6.1
700	3136	3229	3036	9.5	18.4	-3.2	-6.1	52	3.4	-2.7	-2.1	5.8
650	3742	3850	3621	6.4	16.6	-4.9	-9.6	62	2.7	-2.4	-1.3	5.8
600	4398	4531	4245	2.9	11.6	-7.9	-12.5	65	2.3	-2.1	-1	6
550	5103	5280	4914	-1	7.6	-12.6	-16.1	59	2.1	-1.8	-1.1	6.4
500	5849	6026	5637	-5.5	1.8	-16.3	-19.1	54	1.9	-1.5	-1.1	7
450	6667	6900	6422	-10.5	-0.3	-20.8	-23.5	39	1.4	-0.9	-1.1	7.6
400	7563	7796	7286	-16.4	-6.9	-24.4	-30.4	360	1.2	0	-1.2	8.6
350	8553	8825	8250	-23.4	-13.7	-32.1	-36.2	287	1.7	1.6	-0.5	9.2
300	9662	9985	9333	-31.7	-21.1	-41.9	-43.3	246	3	2.7	1.2	9.8
250	10923	11307	10576	-42.1	-30.7	-55.7	-53.4	234	4.3	3.5	2.5	9.9
200	12392	12857	12035	-54.2	-43.1	-66.5	-64.1	219	4.9	3.1	3.8	11.4
175	13234	13743	12892	-61	-50.1	-74.4		210	4.8	2.4	4.2	12.3
150	14174	14726	13738	-68	-52.7	-79.9		205	3.8	1.6	3.4	11.6
125	15251	15724	14835	-74.7	-62.5	-87.3		183	1.8	0.1	1.8	10.6
100	16525	17076	16100	-79.7	-60.1	-90.5		70	1.2	-1.1	-0.4	7.6
80	17785	18231	17298	-78.4	-63.1	-89.7		58	0.9	-0.8	-0.5	5.8
70	18554	19030	18029	-74.8	-57.5	-88.7		307	1	0.8	-0.6	5.8
60	19450	19962	18883	-70.3	-51.3	-83.9		266	1.5	1.5	0.1	6.4
50	20544	21101	19943	-65.4	-46.5	-81.5		315	0.1	0.1	-0.1	6.6
40	21909	22525	21279	-60.8	-48.5	-76.1		92	2.6	-2.6	0.1	8.9
30	23701	24393	23028	-56.2	-41.6	-71.9		89	4.5	-4.5	-0.1	10.6
25	24847	25580	24143	-54.1	-40.9	-68.1		87	5.2	-5.2	-0.3	12
20	26273	27088	25564	-52.1	-39.9	-67.9		86	6.4	-6.4	-0.5	14.7
15	28128	28965	27417	-49.1	-36.5	-62.3		83	6.4	-6.3	-0.8	14.4
10	30891	31733	30366	-45.3	-33.1	-58.9		84	19.2	-19.1	-2	20.5
7	33066	33590	32622	-48.5	-40.7	-58.5		89	26.2	-26.2	-0.5	26.4

## FREEZING LEVEL

P	Height	H_max	H_min
564	4912	6240	2403

## FIRST TROPOPAUSE

P	Height	Temp

## SECOND ROPOPAUSE

P	Height	Temp
99	16632	-82.0

PRESSURE	HEIGHT	Hmax	Hmin	TEMP	TMAX	TMIN	DEWPT	DIR	VELO	U	V	VM
SURFACE	1009	1013	1003	25.7	29	19.6	23.1	119	1	-0.9	0.5	2.5
1000	85	197	31	25.6	30.2	18.8	23	127	1.5	-1.2	0.9	3.5
950	523	638	420	23.5	32.8	11	19.4	127	2.5	-2	1.5	4.7
925	768	865	712	22.4	32.2	8.6	16.4	110	2.3	-2.2	0.8	4.7
900	1007	1097	950	21.5	31.6	8.2	11.9	108	2.8	-2.7	0.9	5
850	1501	1585	1442	19.3	27.8	11	5.2	81	3.7	-3.7	-0.6	5.3
800	2019	2102	1958	16.4	24.8	9.2	0.5	65	5.1	-4.6	-2.1	6.3
750	2560	2644	2490	12.9	21	3	-2.3	57	5.7	-4.8	-3.1	7
700	3140	3223	3067	9.4	16.6	2.6	-5.4	52	5.5	-4.3	-3.4	6.9
650	3744	3880	3640	6.1	13.2	0.2	-8.9	54	4.7	-3.8	-2.8	6.6
600	4401	4517	4302	2.7	10	-4.9	-13.1	60	4	-3.5	-2	6.5
550	5105	5300	4986	-1.1	7.8	-8.9	-16.8	66	3.5	-3.2	-1.4	6.6
500	5852	6009	5721	-5.5	4	-13.9	-20.3	69	2.8	-2.6	-1	6.9
450	6671	6900	6515	-10.5	-1.1	-20.1	-24.8	54	1.7	-1.4	-1	7.4
400	7567	7775	7380	-16.3	-7.1	-24.7	-29	342	0.9	0.3	-0.9	7.9
350	8557	8800	8336	-23.3	-11.7	-33.4	-34.9	272	2.3	2.3	-0.1	8.8
300	9667	9976	9394	-31.6	-20.1	-43.9	-42.9	247	3.8	3.5	1.5	9.5
250	10929	11300	10738	-41.9	-29.7	-52.3	-52.3	236	5.8	4.8	3.2	10.9
200	12399	12841	12139	-54.1	-41.7	-63.7	-63.8	234	6.3	5.1	3.7	12.2
175	13242	13724	12947	-60.8	-47.7	-70.7	-61	237	6	5	3.3	12.4
150	14182	14707	13852	-67.8	-55.7	-77.5	-73.7	243	4.6	4.1	2.1	11.3
125	15255	15776	14895	-74.8	-62.3	-88.9		249	2.2	2.1	0.8	9.6
100	16530	17111	16166	-80.2	-69.5	-89.7		82	0.7	-0.7	-0.1	7.8
80	17784	18404	17359	-78.3	-64	-90.1		79	1.6	-1.6	-0.3	6.2
70	18555	19200	18085	-74.8	-58.7	-88.5		360	0.3	0	-0.3	5.8
60	19417	19978	18941	-70.2	-53.5	-83.3		278	1.4	1.4	-0.2	6.4
50	20551	21242	19980	-65	-49.6	-80.1		253	1	1	0.3	7
40	21914	22691	21500	-60.1	-43.1	-73.1		108	1.6	-1.5	0.5	8.4
30	23727	24298	23269	-55	-41.7	-71.9		88	5	-5	-0.2	11.7
25	24887	25450	24380	-52.4	-37.5	-68.1		88	6.3	-6.3	-0.2	12.6
20	26336	27064	25747	-49.8	-32.3	-68.9		86	7.7	-7.7	-0.5	14.6
15	28211	28789	27539	-46.9	-35.9	-57.7		87	9.1	-9.1	-0.5	15.6
10	30949	31560	30321	-44	-39.3	-51.7		89	10.2	-10.2	-0.2	16.3
7	33271	33271	33271	-49.1	-49.1	-49.1		0	0	0	0	0

## FREEZING LEVEL

P	Height	H_max	H_min
564	4903	6600	3690

## FIRST TROPOPAUSE

P	Height	Temp

## SECOND TROPOPAUSE

P	Height	Temp
97	16713	-82.2

PRESSURE	HEIGHT	Hmax	Hmin	TEMP	TMAX	TMIN	DEWPT	DIR	VELO	U	V	VM
SURFACE	1007.1	1012	1002	27.3	30.2	21	24.9	192	1.4	0.3	1.4	2.3
1000	67	108	22	27.2	33	21	24.8	193	2.3	0.5	2.2	3.4
950	510	582	420	25.1	31	17.8	22	190	4.1	0.7	4	5.6
925	755	815	709	23.7	30	16	19.9	189	3.2	0.5	3.2	5.1
900	995	1055	949	22.9	29.8	13.8	16.3	184	2.8	0.2	2.8	4.8
850	1491	1550	1445	20.5	28.4	9	10.4	113	1.3	-1.2	0.5	3.9
800	2013	2078	1954	17.7	25.6	5.8	4.5	63	3.4	-3	-1.5	4.9
750	2556	2680	2490	14.3	22.2	6.8	0	56	5.5	-4.6	-3.1	6.7
700	3138	3220	3067	10.5	17.8	3.6	-3.7	54	6.4	-5.2	-3.8	7.6
650	3746	3850	3667	6.6	13.8	-0.5	-7.3	51	6.2	-4.8	-3.9	7.5
600	4403	4511	4300	3.1	11.2	-5.9	-10.9	54	4.8	-3.9	-2.8	6.6
550	5109	5240	5003	-0.7	7.6	-7.9	-14.2	61	3.7	-3.2	-1.8	6.1
500	5857	5994	5745	-5	3.8	-12.5	-18.1	73	3	-2.9	-0.9	6.2
450	6678	6850	6552	-9.9	-0.9	-18	-22.4	69	1.9	-1.8	-0.7	6.4
400	7576	7741	7421	-15.7	-6.3	-24.5	-28.3	58	0.9	-0.8	-0.5	7
350	8567	8800	8378	-22.6	-12.5	-31.9	-33.8	276	0.9	0.9	-0.1	7.6
300	9681	9937	9449	-30.9	-19.7	-40.7	-41.2	247	2.5	2.3	1	8.2
250	10947	11269	10665	-41.1	-28.1	-50.7	-50.2	231	4.5	3.5	2.8	9
200	12421	12838	12070	-53.5	-40.3	-63.9	-61.3	219	5.1	3.2	4	10.4
175	13263	13616	12876	-60.5	-48.4	-71.9	-65.4	218	5	3.1	3.9	10.6
150	14204	14613	13773	-67.8	-55.3	-79.2		219	3.3	2.1	2.6	10
125	15272	15658	14800	-75	-60.7	-89.8		162	0.9	-0.3	0.9	8.3
100	16542	17008	16030	-80.5	-67.5	-89.9		88	3.3	-3.3	-0.1	7.7
80	17801	18339	17289	-78.2	-57.1	-87.9		88	2.6	-2.6	-0.1	6.2
70	18569	19170	18063	-74	-58.7	-84.5		90	0.6	-0.6	0	5.7
60	19424	19999	18969	-68.4	-54.1	-79.3		270	0.8	0.8	0	6.3
50	20578	21272	20052	-62.9	-46.1	-74.3		101	0.5	-0.5	0.1	7.4
40	21959	22735	21469	-57.9	-40.5	-69.1		89	4.5	-4.5	-0.1	9.8
30	23783	24668	23244	-52.7	-40.3	-62.5		86	7.8	-7.8	-0.6	12.9
25	24944	25910	24435	-50.2	-37.1	-60.5		85	8.5	-8.5	-0.8	13.2
20	26402	27428	25921	-47.3	-34.3	-55.9		87	8.5	-8.5	-0.5	12.5
15	28264	29051	27822	-44.8	-35.1	-55.7		88	7.3	-7.3	-0.2	11.9
10	30943	31604	30553	-44.3	-33	-53.3		66	8.7	-7.9	-3.6	16.4
7	33487	34054	33160	-44.5	-38.5	-50.9		89	23.3	-23.3	-0.6	35.3

## FREEZING LEVEL

P	Height	H_max	H_min
561	4964	6700	3620

## FIRST TROPOPAUSE

P	Height	Temp

## SECOND TROPOPAUSE

P	Height	Temp
99	16635	-82.4

PRESSURE	HEIGHT	Hmax	Hmin	TEMP	TMAX	TMIN	DEWPT	DIR	VELO	U	V	VM
SURFACE	1004.7	1010	998	28	30.4	23.2	25.2	228	2.7	2	1.8	3.4
1000	48	147	-5	28	34.4	23.6	25.1	224	3.6	2.5	2.6	4.4
950	491	604	380	26.4	33.6	18.6	21.5	231	7.2	5.6	4.6	8.7
925	739	838	679	25.5	33.8	18.4	20	235	6.7	5.5	3.8	8.1
900	980	1077	900	24.5	35.2	14.4	17.3	238	5.8	4.9	3.1	7.5
850	1479	1576	1405	22	33	9.2	13.6	257	2.6	2.5	0.6	5.2
800	2002	2097	1905	18.9	28.8	7.6	9.3	360	1.6	0	-1.6	4.8
750	2547	2646	2433	15.4	24.6	5.4	4.6	34	3.2	-1.8	-2.7	5.7
700	3133	3227	2992	11.4	19.4	2	0.4	39	4.3	-2.7	-3.3	6.7
650	3741	3849	3588	7.1	14.8	-2.3	-3.6	41	4.6	-3	-3.5	7.2
600	4401	4519	4300	3.1	12	-3.9	-7.6	39	3.6	-2.3	-2.8	6.6
550	5106	5237	4988	-0.7	8.4	-7.7	-11.6	37	2.1	-1.3	-1.7	5.9
500	5856	6010	5729	-4.8	4.8	-14.2	-15.8	39	1.4	-0.9	-1.1	5.8
450	6679	6848	6534	-9.4	0.6	-24.8	-20.5	45	1	-0.7	-0.7	5.6
400	7579	7770	7419	-14.8	-3.3	-23.3	-25.9	66	1	-0.9	-0.4	5.4
350	8575	8814	8397	-21.5	-9.7	-28.5	-31.7	84	1	-1	-0.1	5.3
300	9694	9988	9494	-29.7	-18.5	-37.5	-39.3	110	1.2	-1.1	0.4	5.4
250	10966	11321	10753	-39.9	-28.3	-49.5	-47.8	120	2.2	-1.9	1.1	6.5
200	12449	12881	12174	-52.5	-38.9	-63.5	-59.5	111	4.5	-4.2	1.6	8.7
175	13294	13678	12989	-59.7	-45.1	-71.1	-65.1	103	6.2	-6	1.4	10.4
150	14240	14661	13886	-67.4	-55	-79.7	-77.2	97	8.1	-8	1	11.7
125	15313	15777	14911	-75	-63.3	-86.1		92	9.8	-9.8	0.4	12.6
100	16589	17092	16146	-79.6	-66.5	-90.7		92	11.1	-11.1	0.3	12.7
80	17859	18385	17214	-76.2	-58.7	-89.5		90	7.2	-7.2	0	8.7
70	18638	19205	18033	-71.5	-52.9	-84.5		89	4.9	-4.9	-0.1	7
60	19464	19991	18985	-66.7	-47.7	-83.1		90	4	-4	0	6.8
50	20663	21247	20159	-61.5	-45.3	-74.5		90	6.3	-6.3	0	8.7
40	22045	22721	21484	-57.4	-41.9	-70.9		88	10.5	-10.5	-0.4	12.2
30	23864	24673	23248	-53	-39.5	-66.3		89	14.7	-14.7	-0.2	15.8
25	25028	25830	24397	-50.5	-36.7	-64.1		89	16	-16	-0.2	16.9
20	26488	27259	25924	-47.6	-37.1	-60.5		88	17.4	-17.4	-0.5	18.2
15	28381	28968	27818	-45	-33.7	-59.1		90	19.7	-19.7	0	20.3
10	31073	31695	30421	-42.5	-34.1	-54.1		87	19.2	-19.2	-1.1	20
7	33308	33535	32724	-43.1	-34.1	-52.1		87	27.6	-27.6	-1.4	28

## FREEZING LEVEL

P	Height	H_max	H_min
561	4959	6980	3480

## FIRST TROPOPAUSE

P	Height	Temp

## SECOND TROPOPAUSE

P	Height	Temp
101	16576	-81.6

PRESSURE	HEIGHT	Hmax	Hmin	TEMP	TMAX	TMIN	DEWPT	DIR	VELO	U	V	VM
SURFACE	1004	1009	996	27.6	38.2	23.2	23.5	248	3.8	3.5	1.4	4.2
1000	42	100	-30	27.6	32.1	23.4	23.4	244	4.6	4.1	2	5.1
950	484	593	400	26	33.4	19.2	19.2	252	10.4	9.9	3.3	11.5
925	732	827	655	25	31.4	20.2	18.6	250	9.3	8.7	3.2	10.8
900	972	1067	894	23.8	31.6	16	16	257	10.4	10.1	2.3	11.7
850	1469	1563	1387	21	29.4	11.8	13.4	261	8.7	8.6	1.3	10.1
800	1991	2085	1908	17.9	27	7.8	10.7	267	7	7	0.4	8.7
750	2536	2636	2460	14.6	22.5	6	7.5	272	5.8	5.8	-0.2	8
700	3120	3222	3046	11	17.9	3.4	3.8	273	5.3	5.3	-0.3	7.9
650	3729	3845	3650	7.3	14.4	-1.5	0.1	270	5	5	0	7.9
600	4389	4510	4315	3.4	11.6	-5.1	-3.8	270	4.7	4.7	0	7.6
550	5097	5222	5000	-0.5	8	-7.9	-8	266	4.3	4.3	0.3	7
500	5847	5990	5747	-4.6	6.2	-11.4	-12.6	263	3.5	3.5	0.4	6.3
450	6670	6860	6540	-9.2	0.8	-14.7	-18.2	255	2	1.9	0.5	5.5
400	7571	7757	7438	-14.8	-6.5	-21.3	-24.4	117	0.2	-0.2	0.1	5.1
350	8567	8800	8387	-21.4	-12.1	-28.7	-30.8	78	2.4	-2.3	-0.5	5.6
300	9688	9951	9504	-29.6	-20.7	-38.5	-38.8	83	5.4	-5.4	-0.7	7.4
250	10961	11274	10738	-39.9	-31.1	-50.1	-47.8	84	10	-9.9	-1	11.3
200	12444	12867	12150	-52.3	-41.5	-64.9	-59.2	81	16.6	-16.4	-2.6	17.8
175	13294	13750	12950	-59.4	-48.3	-71.5	-65.2	79	20.5	-20.1	-4	21.7
150	14240	14731	13842	-67.1	-55.9	-79.1	-71.5	80	23.9	-23.5	-4.2	25.1
125	15317	15852	14864	-74.6	-62.3	-89.5		85	26.2	-26.1	-2.5	27.3
100	16594	17175	16115	-78.3	-62.5	-90.7		88	21.5	-21.5	-0.9	22.3
80	17876	18501	17389	-74.2	-59.1	-86.1		87	14.4	-14.4	-0.8	15.1
70	18664	19300	18166	-69.9	-51.7	-84.7		89	11.5	-11.5	-0.2	12.1
60	19405	19998	19073	-65.2	-49.8	-81.9		88	9.4	-9.4	-0.4	10.1
50	20704	21420	20176	-60.8	-46.1	-74.5		86	10.2	-10.2	-0.7	10.8
40	22086	22877	21535	-57.7	-41.7	-70.1		87	12	-12	-0.7	12.6
30	23910	24810	23279	-53.2	-38.9	-63.9		88	14.7	-14.7	-0.6	15.2
25	25074	25795	24394	-50.9	-36.5	-64.3		90	15.4	-15.4	0	15.7
20	26549	27356	25951	-48.2	-32.7	-61.5		89	17.5	-17.5	-0.2	17.8
15	28392	29074	27836	-46	-35.5	-54.3		87	22.8	-22.8	-1.3	23.1
10	31128	31733	30514	-43.4	-32.1	-51.3		89	26.7	-26.7	-0.6	27.1
7	33520	34050	33011	-41.3	-36.3	-48.1		87	24.7	-24.7	-1.1	24.8

## FREEZING LEVEL

P	Height	H_max	H_min
556	5012	6950	3570

## FIRST TROPOPAUSE

P	Height	Temp

## SECOND TROPOPAUSE

P	Height	Temp
104	16435	-80.4

PRESSURE	HEIGHT	Hmax	Hmin	TEMP	TMAX	TMIN	DEWPT	DIR	VELO	U	V	VM
SURFACE	1004.7	1010	1001	27	31.2	23	23.3	256	3.7	3.6	0.9	4
1000	47	106	10	27.1	31.1	22.8	22.9	249	4.5	4.2	1.6	5.1
950	487	591	400	25.5	31.4	18.6	19	254	9.6	9.2	2.6	10.9
925	732	824	643	24.4	30.6	17.3	17.9	252	8.9	8.4	2.8	11
900	975	1062	923	23	29.6	15.2	15.9	260	9.4	9.3	1.6	11.2
850	1471	1555	1411	20	26.8	8.6	13.6	261	8.1	8	1.2	10.1
800	1991	2073	1919	16.8	24	4.6	11.2	266	6.7	6.7	0.5	8.8
750	2534	2630	2447	13.5	20.2	2.3	8.3	269	6	6	0.1	8.4
700	3116	3197	3004	10.1	17.2	0.3	4.6	269	5.7	5.7	0.1	8.2
650	3724	3830	3603	6.6	14.1	0.6	0.8	265	5.6	5.6	0.5	7.8
600	4382	4495	4248	2.8	8.8	-3.4	-3	263	5.4	5.4	0.7	7.5
550	5088	5202	4937	-1	8	-8.2	-7.1	260	4.8	4.7	0.8	7.1
500	5837	5969	5678	-5.1	2	-12.9	-12.1	256	3.4	3.3	0.8	6.5
450	6660	6810	6487	-9.8	-1.1	-19.1	-17.6	228	1.5	1.1	1	6
400	7558	7719	7350	-15.3	-7.1	-24.6	-23.8	113	1.3	-1.2	0.5	5.8
350	8552	8750	8320	-22.2	-11.7	-31.8	-30.3	85	4.3	-4.3	-0.4	7
300	9669	9878	9389	-30.5	-17.5	-41.5	-38.4	84	7.9	-7.9	-0.8	9.5
250	10936	11193	10698	-40.9	-30.9	-51.7	-48.1	83	13.9	-13.8	-1.7	15.3
200	12413	12743	12140	-53.2	-42.1	-65.1	-59.4	78	21.7	-21.2	-4.6	23
175	13259	13633	12943	-60.3	-47.4	-72.7	-64.6	76	25.5	-24.7	-6.3	27
150	14204	14631	13828	-67.9	-53.7	-80.5	-71.7	77	29	-28.3	-6.5	30.4
125	15276	15731	14836	-75.2	-59.1	-90.5		81	30.3	-29.9	-5	31.7
100	16560	17096	16019	-76.3	-60.5	-92.1		86	23.5	-23.4	-1.8	24.2
80	17856	18455	17226	-70.7	-54.7	-86.7		86	16.4	-16.4	-1.1	17.1
70	18658	19300	17970	-67.6	-51.9	-82.7		88	14.1	-14.1	-0.6	14.7
60	19347	19996	18845	-63.8	-44.1	-80.3		88	13.5	-13.5	-0.4	14
50	20716	21367	19892	-60.1	-43.7	-72.7		86	13.7	-13.7	-1	14.1
40	22103	22844	21217	-57.2	-42.7	-70.7		87	14.5	-14.5	-0.8	14.8
30	23923	24764	22948	-54.1	-38	-67.3		88	16.6	-16.6	-0.5	16.8
25	25089	25970	24045	-52.1	-38.7	-62.1		88	16.3	-16.3	-0.5	16.5
20	26542	27518	25386	-49.6	-36.3	-67.7		89	16.5	-16.5	-0.2	16.8
15	28397	29112	27833	-48	-36.9	-58.9		86	16.9	-16.9	-1.2	17.7
10	31136	31672	30803	-44	-40.5	-48.3		86	26.6	-26.5	-1.9	26.7
7	33710	34080	33194	-43.1	-37.5	-48.1		83	34.5	-34.2	-4.2	34.5

## FREEZING LEVEL

P	Height	H_max	H_min
562	4912	6300	3510

## FIRST TROPOPAUSE

P	Height	Temp

## SECOND TROPOPAUSE

P	Height	Temp
109	16116	-79.6

PRESSURE	HEIGHT	Hmax	Hmin	TEMP	TMAX	TMIN	DEWPT	DIR	VELO	U	V	VM
SURFACE	1005.4	1010	1000	26.6	32.8	23	23.5	255	3.4	3.3	0.9	3.8
1000	53	116	5	26.6	33.6	22.8	23.3	250	4.5	4.2	1.5	4.9
950	492	564	400	25.4	34.3	18.2	19.4	257	9	8.8	2	10.2
925	737	796	660	24.1	32.6	16.8	18.2	257	8.1	7.9	1.8	9.8
900	979	1032	922	22.9	31.8	14.2	16.4	266	8.8	8.8	0.6	10.2
850	1476	1526	1415	20	28.8	13.1	14	270	7.6	7.6	0	9.3
800	1996	2067	1928	16.8	26	11	11.6	274	6.7	6.7	-0.5	8.3
750	2538	2630	2460	13.4	20.8	7.4	8.5	277	6.4	6.3	-0.8	8.1
700	3121	3207	3035	10.1	17	3.8	4.9	276	6.2	6.2	-0.7	8
650	3728	3880	3630	6.6	16.6	-0.1	1	273	6	6	-0.3	7.6
600	4387	4507	4282	2.9	11	-3.3	-3.1	267	5.4	5.4	0.3	7.2
550	5094	5240	4976	-0.9	8.8	-8.3	-7.3	262	4.8	4.7	0.7	6.8
500	5843	5995	5724	-5	2	-14.7	-12.5	256	3.2	3.1	0.8	6.1
450	6667	6820	6527	-9.6	-3.3	-15.3	-18	234	1.4	1.1	0.8	5.6
400	7564	7749	7044	-15.2	-7.3	-21.3	-23.8	111	1.4	-1.3	0.5	5.6
350	8558	8743	8060	-22.2	-11.3	-29.7	-30.7	93	4.3	-4.3	0.2	6.8
300	9675	9881	9194	-30.6	-21.5	-39.1	-38.5	90	8.5	-8.5	0	9.8
250	10944	11183	10476	-40.9	-29.1	-49.9	-48.2	86	14.4	-14.4	-1.1	15.4
200	12421	12723	12136	-53.3	-40.9	-63.3	-59.7	80	21.9	-21.5	-3.9	22.7
175	13267	13612	12949	-60.4	-47.5	-72.7	-66.1	78	25.7	-25.2	-5.2	26.7
150	14209	14602	13865	-68.1	-54.1	-79.7	-71	80	29.3	-28.9	-5.1	30.4
125	15281	15728	14863	-75	-60.5	-87.8		84	29.2	-29	-3.1	30
100	16564	17180	16081	-75.5	-63	-88.1		86	22.1	-22	-1.5	22.8
80	17880	18519	17468	-69.4	-56.3	-82.1		87	15.1	-15.1	-0.7	15.7
70	18682	19270	18180	-66.7	-49.9	-87		88	13.4	-13.4	-0.5	13.9
60	19432	19989	19138	-63.4	-49.7	-85.6		87	13.6	-13.6	-0.8	14.1
50	20748	21417	20212	-60.2	-46.5	-74.5		86	14.3	-14.3	-1	14.8
40	22143	22695	21557	-57.1	-41.1	-71.9		87	15.9	-15.9	-0.7	16.2
30	23976	24590	23365	-53.9	-38.9	-66.1		87	16.6	-16.6	-0.8	16.8
25	25155	25790	24400	-52.1	-38.4	-63.9		89	18.1	-18.1	-0.3	18.4
20	26610	27285	25858	-50.2	-30	-65.1		89	18.9	-18.9	-0.3	19.4
15	28436	28944	27661	-48.3	-36.9	-62.1		89	18.5	-18.5	-0.3	18.6
10	31210	31685	30677	-44.5	-31.1	-55.9		89	28.2	-28.2	-0.7	28.4
7	33751	34109	32878	-40.8	-32.9	-44.5		89	50.3	-50.3	-1	50.8

## FREEZING LEVEL

P	Height	H_max	H_min
562	4936	6120	3540

## FIRST TROPOPAUSE

P	Height	Temp

## SECOND TROPOPAUSE

P	Height	Temp
112	15977	-79.1



PRESSURE	HEIGHT	H max	H min	TEMP	TMAX	TMIN	DEWPT	DIR	VELO	U	V	VM
SURFACE	1006.2	1011	1001	26.2	28.4	22.6	23.7	245	2.6	2.4	1.1	3.1
1000	60	163	14	26.3	32.6	17	23.6	241	3.8	3.3	1.8	4.4
950	499	607	410	24.9	31.6	18.8	19.8	248	6.8	6.3	2.6	8.3
925	746	840	675	23.5	30.4	14.8	18.5	241	6	5.2	2.9	7.8
900	986	1078	929	22.4	30	13.6	16.4	254	5.8	5.6	1.6	7.5
850	1481	1571	1421	19.5	27	10.8	13.8	262	4.2	4.2	0.6	6.4
800	2000	2088	1933	16.3	24.2	9.7	11.1	270	3.2	3.2	0	5.9
750	2543	2632	2440	13.1	20.8	6.5	7.8	274	2.9	2.9	-0.2	5.9
700	3124	3210	3052	9.9	18	4.6	3.8	270	2.9	2.9	0	6
650	3731	3822	3620	6.6	16.5	0.2	-0.6	264	3	3	0.3	6.1
600	4389	4496	4287	2.9	13.7	-6.9	-4.5	260	2.7	2.7	0.5	5.9
550	5096	5220	4991	-0.8	10.7	-8.5	-8.7	252	1.9	1.8	0.6	5.7
500	5845	5985	5734	-5.1	6.9	-11.7	-13.3	236	0.7	0.6	0.4	5.2
450	6668	6844	6535	-9.8	2.3	-17.9	-18.5	108	0.9	-0.9	0.3	5.2
400	7565	7787	7378	-15.3	-3.2	-21.5	-24.7	92	2.9	-2.9	0.1	5.6
350	8559	8750	8383	-22.1	-9.4	-29.3	-31.7	89	5.2	-5.2	-0.1	7.2
300	9677	10000	9491	-30.4	-18.2	-38.5	-39.3	89	8	-8	-0.2	9.3
250	10946	11230	10737	-40.8	-28.5	-49.9	-49.3	88	12	-12	-0.4	13.4
200	12423	12897	12187	-53.3	-39.2	-64.1	-60.7	83	17.4	-17.3	-2	18.8
175	13267	13800	13001	-60.5	-46	-72.7	-67.1	82	20.7	-20.5	-2.9	22.3
150	14211	14775	13905	-68	-56.7	-79.5		83	23.3	-23.1	-2.8	24.9
125	15282	15854	14923	-74.9	-61.8	-87.7		87	23.3	-23.3	-1.1	24.5
100	16567	17148	16190	-75.8	-58.7	-90.5		88	18	-18	-0.6	18.7
80	17869	18500	17453	-70.4	-55.6	-84.9		89	12.2	-12.2	-0.3	13.2
70	18671	19340	18206	-67	-49.6	-79.9		91	10.6	-10.6	0.1	11.6
60	19337	20310	19109	-63.6	-43.3	-77.3		87	11	-11	-0.6	12
50	20725	21465	20264	-60.7	-40.5	-73.3		83	12.4	-12.3	-1.5	13.2
40	22110	22901	21589	-57.7	-38.4	-67.9		85	13.5	-13.5	-1.1	14.1
30	23934	24815	23341	-54.1	-37.5	-65.5		90	15.4	-15.4	0	16
25	25068	26030	24484	-52.4	-35.7	-66.7		91	18	-18	0.2	18.4
20	26494	27243	25912	-50.3	-34.5	-61.9		90	19.3	-19.3	0.1	19.5
15	28364	29202	27798	-47.9	-32.7	-59.7		88	20.9	-20.9	-0.6	21.2
10	31209	31697	30765	-42.2	-36.3	-47.3		84	20.3	-20.2	-2.1	20.9
7	33508	34047	32827	-40.8	-36.7	-45.7		85	54.4	-54.2	-4.3	54.7

## FREEZING LEVEL

P	Height	H max	H min
561	4941	6230	3880

## FIRST TROPOPAUSE

P	Height	Temp

## SECOND TROPOPAUSE

P	Height	Temp
109	16092	-79

PRESSURE	HEIGHT	H max	H min	TEMP	TMAX	TMIN	DEWPT	DIR	VELO	U	V	VM
SURFACE	1007.4	1013	999	25.7	29.8	22.8	24	261	1.3	1.3	0.2	2.5
1000	72	150	16	25.8	33	20.6	23.7	254	1.9	1.8	0.5	3.9
950	512	616	420	24.1	32	16.4	20.3	252	2.3	2.2	0.7	6
925	756	847	698	22.7	29	12.2	18.9	257	1.7	1.7	0.4	5.7
900	995	1084	922	21.4	30	9.4	16.7	280	1.1	1.1	-0.2	5.6
850	1488	1575	1415	18.5	27.2	7.6	13.5	338	1.1	0.4	-1	5.5
800	2006	2106	1935	15.5	24.6	7.4	10.4	356	1.5	0.1	-1.5	5.5
750	2549	2680	2466	12.5	21.6	5.2	6.6	356	1.5	0.1	-1.5	5.7
700	3127	3253	3030	9.5	18.2	2.6	3.2	340	1.2	0.4	-1.1	5.8
650	3735	3870	3635	6.3	14.4	0.2	-0.9	315	0.7	0.5	-0.5	5.7
600	4391	4533	4284	2.8	10.2	-3.3	-4.6	225	0.1	0.1	0.1	5.4
550	5098	5230	4981	-1	6.2	-7.9	-8.9	108	0.3	-0.3	0.1	5.3
500	5846	6000	5733	-5.1	2.4	-13.9	-13.5	95	1.1	-1.1	0.1	5.2
450	6669	6840	6533	-9.9	-0.5	-16.9	-18.9	93	2	-2	0.1	5.4
400	7567	7753	7410	-15.5	-5.9	-23.3	-24.5	92	2.7	-2.7	0.1	5.6
350	8561	8780	8373	-22.3	-11.9	-30.7	-31.5	93	3.6	-3.6	0.2	6
300	9676	9922	9443	-30.7	-17.9	-41.5	-39.5	92	4.8	-4.8	0.2	6.9
250	10942	11250	10649	-41.3	-25.1	-50.9	-49.6	93	6.6	-6.6	0.3	8.9
200	12414	12800	12048	-54.1	-41.1	-65.1	-61.9	91	9.1	-9.1	0.2	12
175	13255	13689	12850	-61.5	-49.1	-73.9	-68	90	11.1	-11.1	0	13.9
150	14192	14679	13751	-69.1	-57.7	-81.9	-71.3	92	12.5	-12.5	0.4	15.2
125	15261	15808	14555	-75.9	-65.1	-87		94	13.4	-13.4	1	15.6
100	16536	17160	16000	-77.9	-62.3	-89		92	9.4	-9.4	0.4	10.9
80	17826	18525	17200	-72.7	-58.5	-87.1		86	6.1	-6.1	-0.4	7.9
70	18620	19358	17929	-68.9	-52.9	-83.3		83	6.1	-6.1	-0.7	7.7
60	19384	19997	18862	-65.4	-48.4	-76.9		87	7.1	-7.1	-0.4	8.6
50	20661	21508	19979	-61.7	-44.7	-73.7		87	8.6	-8.6	-0.4	10
40	22041	22778	21382	-58.2	-42.7	-72.7		87	10.6	-10.6	-0.6	11.9
30	23850	24701	23217	-54.2	-34.6	-70.7		88	13	-13	-0.4	14.8
25	25008	25980	24475	-51.9	-31.8	-68.7		86	14.7	-14.7	-1	16.8
20	26437	27475	25862	-49.3	-34.7	-68.5		88	16	-16	-0.6	17.8
15	28274	29093	27718	-46.6	-33.9	-60.1		87	21.4	-21.4	-1	23.4
10	31085	31539	30817	-42.6	-31.6	-47.5		82	19.2	-19	-2.6	23.7
7	33383	33654	33209	-42	-39.7	-46.5		85	30.7	-30.6	-2.5	32

## FREEZING LEVEL

P	Height	H max	H min
563	4918	6170	3730

## FIRST TROPOPAUSE

P	Height	Temp

## SECOND TROPOPAUSE

P	Height	Temp
108	16139	-80.3

PRESSURE	HEIGHT	H max	H min	TEMP	TMAX	TMIN	DEWPT	DIR	VELO	U	V	VM
SURFACE	1009	1014	1001	24.8	28.8	20.8	23.1	14	2.1	-0.5	-2	3.4
1000	84	166	27	24.8	30.8	20.3	22.7	14	2.9	-0.7	-2.8	4.7
950	522	608	420	22.9	32.4	15.3	19.6	33	4.6	-2.5	-3.9	6.7
925	765	839	708	21.3	27	10	18.5	44	4.7	-3.3	-3.4	6.6
900	1004	1078	911	19.9	29.6	9.3	15.9	41	5.2	-3.4	-3.9	7.2
850	1495	1567	1407	17.2	23.8	6.2	12.2	45	4.9	-3.5	-3.5	7.2
800	2010	2087	1928	14.6	20.6	3.2	8.8	47	4.4	-3.2	-3	6.9
750	2552	2650	2465	12.1	18.4	-3.5	5.6	52	3.6	-2.8	-2.2	6.5
700	3129	3224	3033	9.3	15.2	-6.5	2	56	2.9	-2.4	-1.6	6.2
650	3738	3850	3636	6.2	13.1	-10.1	-1.9	64	2.5	-2.3	-1.1	6
600	4393	4517	4273	2.7	10.2	-12.1	-5.5	74	2.6	-2.5	-0.7	5.9
550	5099	5231	4936	-0.9	8.2	-13.1	-9.5	76	2.9	-2.8	-0.7	6
500	5847	5993	5661	-5.2	5.3	-13.5	-13.6	74	3.3	-3.2	-0.9	6.5
450	6669	6820	6538	-9.9	2.2	-19.9	-18.7	75	3.5	-3.4	-0.9	6.7
400	7566	7751	7414	-15.5	-2.1	-26.9	-24.6	79	3.3	-3.2	-0.6	6.5
350	8559	8769	8417	-22.4	-7.1	-28.3	-31	84	3.1	-3.1	-0.3	6.3
300	9674	9956	9506	-30.8	-13.6	-42.3	-39.2	107	3.1	-3	0.9	6.4
250	10940	11300	10746	-41.5	-22.6	-65.2	-49	126	4.2	-3.4	2.5	7.7
200	12412	12913	12181	-54.1	-36.4	-64.1	-61.7	128	5.6	-4.4	3.4	9.5
175	13255	13800	12995	-61.2	-43.2	-72.8	-65.4	127	5.5	-4.4	3.3	10.1
150	14193	14800	13896	-68.6	-48.9	-83.9	-67.7	123	5.5	-4.6	3	9.9
125	15265	16000	14910	-75.8	-59.9	-90.1		111	4.9	-4.6	1.8	8.7
100	16536	17400	16147	-79.8	-60.1	-89.8		93	4.4	-4.4	0.2	7.2
80	17802	18800	17468	-76.1	-59.1	-88.7		84	3.9	-3.9	-0.4	6.1
70	18586	19650	18260	-71.7	-55.7	-83.7		81	3	-3	-0.5	5.7
60	19501	20700	19177	-67.4	-52.9	-81.3		81	3.2	-3.2	-0.5	6
50	20608	22550	20253	-63.2	-49.1	-81.4		89	5.2	-5.2	-0.1	7.7
40	21971	22575	20469	-58.7	-41.5	-71.1		90	7.1	-7.1	0	9.5
30	23786	25250	23294	-54.4	-37.8	-67.7		89	9.5	-9.5	-0.2	12.7
25	24942	26450	24409	-52.1	-35.3	-64.1		90	11.3	-11.3	0	14.4
20	26378	28100	25781	-49.5	-35.5	-62.1		90	12.7	-12.7	0	15.4
15	28222	29009	27570	-46.9	-34.5	-59.7		90	15.5	-15.5	0.1	18.3
10	30993	31594	30538	-43.4	-31.5	-57.1		80	8.9	-8.8	-1.6	13.1
7	33040	33150	32931	-39.6	-36.4	-42.8						

## FREEZING LEVEL

P	Height	H_max	H_min
564	4904	6210	3580

## FIRST TROPOPAUSE

P	Height	Temp

## SECOND TROPOPAUSE

P	Height	Temp
102	16454	-81.7

PRESSURE	HEIGHT	H max	H min	TEMP	TMAX	TMIN	DEWPT	DIR	VELO	U	V	VM
SURFACE	1011.1	1015	996	24.1	27.8	20	21.7	27	3.1	-1.4	-2.8	4.2
1000	101	199	30	24	29.4	20	21.2	28	5	-2.3	-4.4	6.1
950	536	600	416	21.9	32.8	13.8	18.2	40	7.2	-4.6	-5.5	8.1
925	779	826	647	20	27.8	14	16.6	45	7.2	-5.1	-5.1	8
900	1017	1071	883	18.8	29.6	10.6	14.7	48	7.5	-5.6	-5	8.4
850	1505	1571	1374	16.1	24.2	8.8	10.7	55	6.6	-5.4	-3.8	7.8
800	2020	2096	1890	14.1	22.8	5.6	6.2	61	5.6	-4.9	-2.7	7.1
750	2560	2653	2432	12.2	21	5.6	2.3	65	4.7	-4.3	-2	6.6
700	3138	3279	3006	9.7	18.6	2.6	-1	69	4.4	-4.1	-1.6	6.5
650	3746	3864	3616	6.6	14.2	-1.5	-4.4	73	4.2	-4	-1.2	6.1
600	4401	4525	4270	3	11.6	-2.7	-8.5	74	4.3	-4.1	-1.2	6.3
550	5106	5234	4970	-1	9.2	-6.1	-12	74	4.4	-4.2	-1.2	6.6
500	5854	6005	5734	-5.5	8.4	-11.3	-16.4	74	4.3	-4.1	-1.2	6.9
450	6673	6854	6540	-10.4	-0.7	-19.3	-21.4	70	3.5	-3.3	-1.2	7.1
400	7570	7783	7427	-16.1	-5.1	-22.3	-27.1	58	2.2	-1.9	-1.2	7
350	8559	8810	8400	-23.1	-14.1	-31	-33.2	9	0.6	-0.1	-0.6	7.3
300	9672	9961	9504	-31.6	-20.1	-39.3	-40.6	225	1.7	1.2	1.2	8.1
250	10932	11273	10736	-42.1	-28.1	-50.5	-50.8	204	4.4	1.8	4	9.7
200	12401	12812	12170	-54.5	-42.7	-63.9	-63.1	210	5.9	2.9	5.1	11.4
175	13242	13698	12990	-61.5	-48.7	-73.1	-66.4	215	6.1	3.5	5	11.7
150	14182	14689	13895	-68.3	-53.7	-83.3		223	5.6	3.8	4.1	11.2
125	15252	15705	14774	-74.9	-63.7	-87.2		233	3.1	2.5	1.9	9
100	16525	17027	15900	-79.8	-67.7	-89.7		108	1.3	-1.2	0.4	7.1
80	17783	18333	17169	-77.4	-57.8	-89.7		87	3.6	-3.6	-0.2	6.5
70	18558	19100	17979	-73.3	-53.5	-87.3		86	2.6	-2.6	-0.2	5.9
60	19413	19933	18934	-68.8	-51.8	-82.9		87	1.9	-1.9	-0.1	5.9
50	20561	21200	20090	-63.9	-41.6	-76.1		92	3.5	-3.5	0.1	7
40	21939	22610	21454	-59.5	-38.4	-73.7		92	5.8	-5.8	0.2	9.1
30	23743	24456	23228	-55.1	-39.9	-68.1		88	7.2	-7.2	-0.2	10.7
25	24902	25603	24343	-52.7	-39.6	-64.3		86	7.4	-7.4	-0.5	11.9
20	26331	26911	25836	-50.2	-32.9	-61.7		83	5.8	-5.8	-0.7	11.2
15	28283	28837	27673	-46.4	-32.9	-57.7		90	5.9	-5.9	0	12.4
10	31007	31449	30326	-43.7	-37.3	-53.1		184	1.6	0.1	1.6	10.6
7	33430	33916	32663	-40.8	-34.5	-48.3		303	5.9	5	-3.2	6.2

## FREEZING LEVEL

P	Height	H_max	H_min
563	4930	6580	3890

## FIRST TROPOPAUSE

P	Height	Temp

## SECOND TROPOPAUSE

P	Height	Temp
99	16583	-81.9