



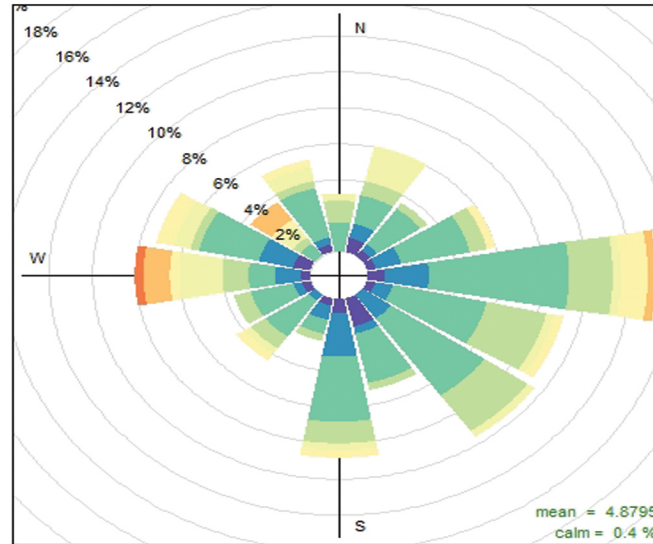
भारत सरकार / GOVERNMENT OF INDIA

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)



लखनऊ

LUCKNOW

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 **Lucknow** (Latitude $26^{\circ}45'N$, Longitude $80^{\circ}53'E$).

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

Table of content

SN	Items	Page number
1	Windrose diagram and table for level of 1000 hpa and 925 hpa for January	<u>1</u>
2	Windrose diagram and table for level of 850 hpa and 700 hpa for January	<u>2</u>
3	Windrose diagram and table for level of 500 hpa and 300 hpa for January	<u>3</u>
4	Windrose diagram and table for level of 200 hpa and 100 hpa for January	<u>4</u>
5	Windrose diagram and table for level of 1000 hpa and 925 hpa for February	<u>5</u>
6	Windrose diagram and table for level of 850 hpa and 700 hpa for February	<u>6</u>
7	Windrose diagram and table for level of 500 hpa and 300 hpa for February	<u>7</u>
8	Windrose diagram and table for level of 200 hpa and 100 hpa for February	<u>8</u>
9	Windrose diagram and table for level of 1000 hpa and 925 hpa for March	<u>9</u>
10	Windrose diagram and table for level of 850 hpa and 700 hpa for March	<u>10</u>
11	Windrose diagram and table for level of 500 hpa and 300 hpa for March	<u>11</u>
12	Windrose diagram and table for level of 200 hpa and 100 hpa for March	<u>12</u>
13	Windrose diagram and table for level of 1000 hpa and 925 hpa for April	<u>13</u>
14	Windrose diagram and table for level of 850 hpa and 700 hpa for April	<u>14</u>
15	Windrose diagram and table for level of 500 hpa and 300 hpa for April	<u>15</u>
16	Windrose diagram and table for level of 200 hpa and 100 hpa for April	<u>16</u>
17	Windrose diagram and table for level of 1000 hpa and 925 hpa for May	<u>17</u>
18	Windrose diagram and table for level of 850 hpa and 700 hpa for May	<u>18</u>
19	Windrose diagram and table for level of 500 hpa and 300 hpa for May	<u>19</u>
20	Windrose diagram and table for level of 200 hpa and 100 hpa for May	<u>20</u>
21	Windrose diagram and table for level of 1000 hpa and 925 hpa for June	<u>21</u>
22	Windrose diagram and table for level of 850 hpa and 700 hpa for June	<u>22</u>
23	Windrose diagram and table for level of 500 hpa and 300 hpa for June	<u>23</u>
24	Windrose diagram and table for level of 200 hpa and 100 hpa for June	<u>24</u>

SN	Items	Page number
25	Windrose diagram and table for level of 1000 hpa and 925 hpa for July	<u>25</u>
26	Windrose diagram and table for level of 850 hpa and 700 hpa for July	<u>26</u>
27	Windrose diagram and table for level of 500 hpa and 300 hpa for July	<u>27</u>
28	Windrose diagram and table for level of 200 hpa and 100 hpa for July	<u>28</u>
29	Windrose diagram and table for level of 1000 hpa and 925 hpa for August	<u>29</u>
30	Windrose diagram and table for level of 850 hpa and 700 hpa for August	<u>30</u>
31	Windrose diagram and table for level of 500 hpa and 300 hpa for August	<u>31</u>
32	Windrose diagram and table for level of 200 hpa and 100 hpa for August	<u>32</u>
33	Windrose diagram and table for level of 1000 hpa and 925 hpa for September	<u>33</u>
34	Windrose diagram and table for level of 850 hpa and 700 hpa for September	<u>34</u>
35	Windrose diagram and table for level of 500 hpa and 300 hpa for September	<u>35</u>
36	Windrose diagram and table for level of 200 hpa and 100 hpa for September	<u>36</u>
37	Windrose diagram and table for level of 1000 hpa and 925 hpa for October	<u>37</u>
38	Windrose diagram and table for level of 850 hpa and 700 hpa for October	<u>38</u>
39	Windrose diagram and table for level of 500 hpa and 300 hpa for October	<u>39</u>
40	Windrose diagram and table for level of 200 hpa and 100 hpa for October	<u>40</u>
41	Windrose diagram and table for level of 1000 hpa and 925 hpa for November	<u>41</u>
42	Windrose diagram and table for level of 850 hpa and 700 hpa for November	<u>42</u>
43	Windrose diagram and table for level of 500 hpa and 300 hpa for November	<u>43</u>
44	Windrose diagram and table for level of 200 hpa and 100 hpa for November	<u>44</u>
45	Windrose diagram and table for level of 1000 hpa and 925 hpa for December	<u>45</u>
46	Windrose diagram and table for level of 850 hpa and 700 hpa for December	<u>46</u>
47	Windrose diagram and table for level of 500 hpa and 300 hpa for December	<u>47</u>
48	Windrose diagram and table for level of 200 hpa and 100 hpa for December	<u>48</u>

SN	Items	Page number
49	Monthly normals for the month January	<u>49</u>
50	Monthly normals for the month February	<u>50</u>
51	Monthly normals for the month March	<u>51</u>
52	Monthly normals for the month April	<u>52</u>
53	Monthly normals for the month May	<u>53</u>
54	Monthly normals for the month June	<u>54</u>
55	Monthly normals for the month July	<u>55</u>
56	Monthly normals for the month August	<u>56</u>
57	Monthly normals for the month September	<u>57</u>
58	Monthly normals for the month October	<u>58</u>
59	Monthly normals for the month November	<u>59</u>
60	Monthly normals for the month December	<u>60</u>

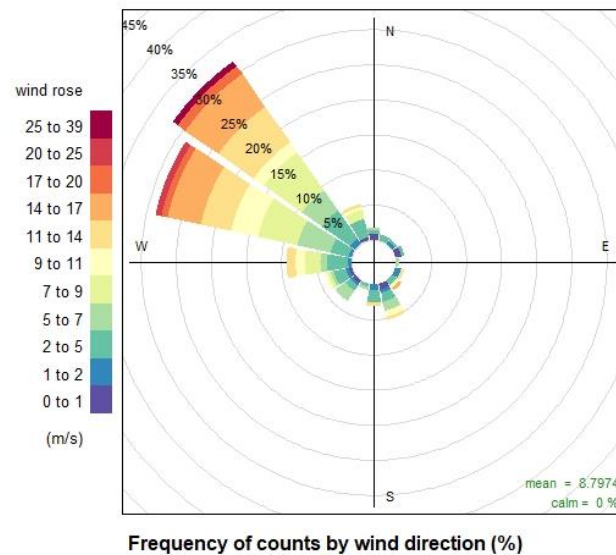
Description of various terms used in the table (Normals of Radiosonde data)

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:

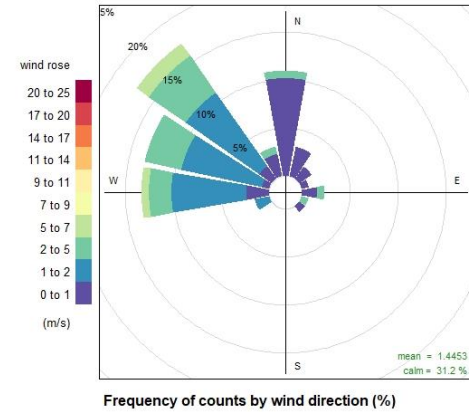


A wind rose diagrams at different upper air levels gives a very concise but information-laden view of how wind speed and direction are typically distributed at a particular location and month.

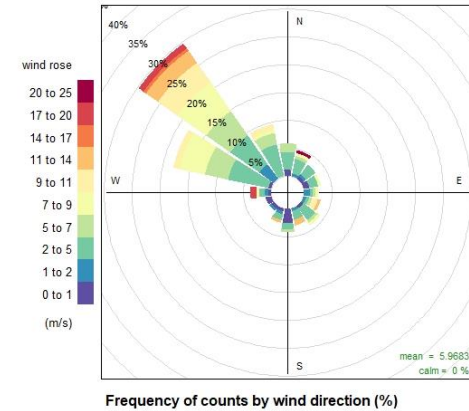
- The diagrams normally comprise of 8, 16 or 32 radiating spokes, which represent wind directions in terms of the cardinal wind directions (North East South West) and their intermediate directions.
- Presented in a circular format, the wind rose shows the frequency of winds blowing FROM particular directions.
- 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.

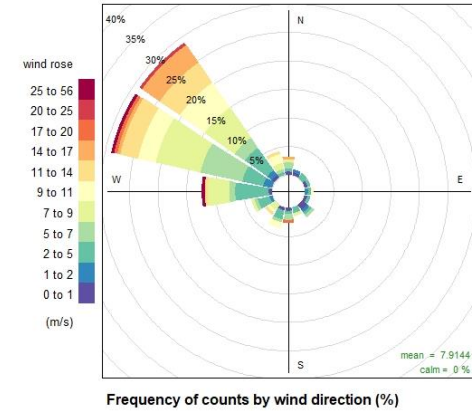
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349-11	31	10.2	0	0.8	0	0	0	0	0	0	0	0
12-33		3.1	0	0	0	0	0	0	0	0	0	0
34-56		1.6	0	0	0	0	0	0	0	0	0	0
57-78		0.8	0	0	0	0	0	0	0	0	0	0
79-101		1.6	0	0.8	0	0	0	0	0	0	0	0
102-123		0	0	0.8	0	0	0	0	0	0	0	0
124-146		0.8	0	0	0	0	0	0	0	0	0	0
147-168		0	0	0	0	0	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	1.6	0	0	0	0	0	0	0	0	0
259-281		2.3	7.8	2.3	0.8	0	0	0	0	0	0	0
282-303		0.8	8.6	3.9	0	0	0	0	0	0	0	0
304-326		1.6	9.4	4.7	1.6	0	0	0	0	0	0	0
327-348		2.3	0	0.8	0	0	0	0	0	0	0	0



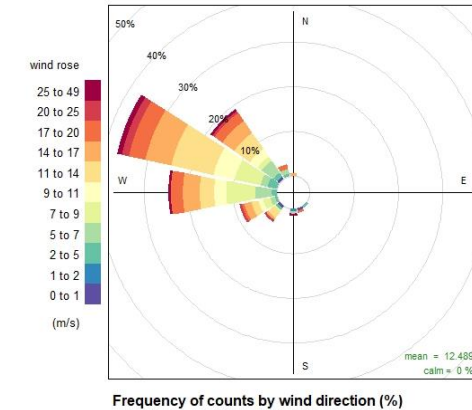
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349-11	0	1.1	0	3.2	1.6	0	0	0	0	0	0	0
12-33		0	0.5	2.6	0.5	0.5	0	0	0	0	0.5	0
34-56		0.5	0.5	2.1	0	0	0	0	0	0	0	0
57-78		1.1	0	1.6	0	0.5	0	0	0	0	0	0
79-101		0	1.1	0.5	0.5	0.5	0	0	0	0	0	0
102-123		0	0.5	0.5	0.5	0	1.1	0.5	0	0	0	0
124-146		0.5	0	2.6	0.5	0.5	0	0	0	0	0	0
147-168		0	0.5	1.1	0	0	0	0.5	0	0	0	0
168-191		2.6	0	1.6	0.5	0	0	0.5	0	0	0	0
192-213		0.5	0.5	1.1	0	0	0	0.5	0	0	0	0
214-236		0.5	0.5	0	0	0	0	0	0	0	0	0
237-258		1.1	0	0	0	0	0	0	0	0	0	0
259-281		0.5	0.5	1.1	0	0.5	0	0	0	1.1	0	0
282-303		0.5	0	7.4	4.2	4.8	1.1	0	0	0	0	0
304-326		0	3.2	6.3	5.3	6.3	4.2	2.6	0.5	1.1	0	0
327-348		0	0	5.8	2.1	0.5	1.1	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	0.5	1.1	0.5	0	0	0.5	0	0	0
12-33	0	0.5	0.5	0	0	0	0	0	0	0	0	0
34-56	0	0	0	1.1	0	0	0	0	0	0	0	0
57-78	0	0.5	0	0.5	0	0	0	0	0	0	0	0
79-101	0	0	0.5	0.5	0	0	0.5	0	0	0	0	0
102-123	0	0.5	0	0.5	0	0	0	0	0	0	0	0
124-146	0	1.1	0.5	0.5	0.5	0	0	0	0	0	0	0
147-168	0	0	0	1.1	0	0.5	0	0	0	0	0	0
168-191	0	0.5	0	0.5	1.1	0	0	0	0	0.5	0	0
192-213	0	0.5	0	1.6	0.5	0	1.1	0	0	0	0	0
214-236	0	0	0	0	0	1.1	0.5	0.5	0	0	0	0
237-258	0	0	0.5	2.1	0.5	0.5	0	0	0	0	0	0
259-281	0	0.5	0	5.9	1.1	3.7	0	0.5	0	0	0	0.5
282-303	0	0	1.6	3.7	7.5	8	3.2	3.2	0.5	0.5	0	0.5
304-326	0	0.5	1.1	4.8	2.1	6.4	5.3	4.3	3.7	0	0.5	0
327-348	0	0	0	0.5	0.5	1.1	1.6	0.5	0	0	0	0



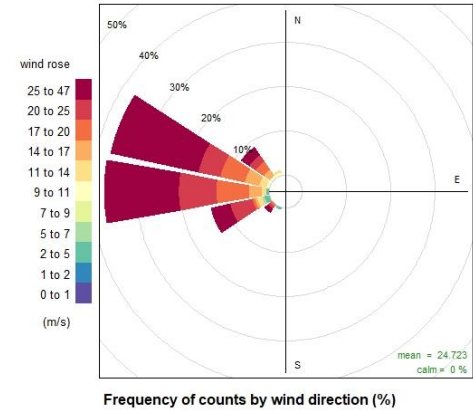
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349-11	0	0	0	0	0	0	0	0	0.5	0	0	0
12-33	0	0	0	0	0	0	0	0	0	0	0	0
34-56	0	0	0	0	0	0	0	0	0	0	0	0
57-78	0	0	0	0	0	0	0	0	0	0	0	0
79-101	0	0	0	0	0	0	0	0	0	0	0	0
102-123	0	0	0	0	0	0	0	0	0	0	0	0
124-146	0	0	0	0.5	0	0	0	0	0	0	0	0
147-168	0	0.5	0	0	0	0	0	0	0	0.5	0	0
168-191	0	0	0.5	0	0.5	0	0	0	0	0	0	0.5
192-213	0	0	0	0	0	0	0	0	0	0	0	0
214-236	0	0.5	0	0.5	0	0.5	0	1.6	0.5	0	0.5	0
237-258	0	0	0	0.5	1.1	1.6	1.1	1.6	1.6	0.5	0.5	0
259-281	0	0	0	1.1	3.8	6.5	2.7	3.3	3.8	2.7	0	0.5
282-303	0	0	0	2.2	1.6	6	4.9	9.8	6	3.8	1.6	1.1
304-326	0	0.5	0	1.1	3.3	1.1	2.2	4.3	3.3	2.2	0.5	0.5
327-348	0	0	0	0.5	1.1	0	0	0	0	1.1	0	0



Lucknow

January 500 hPa level

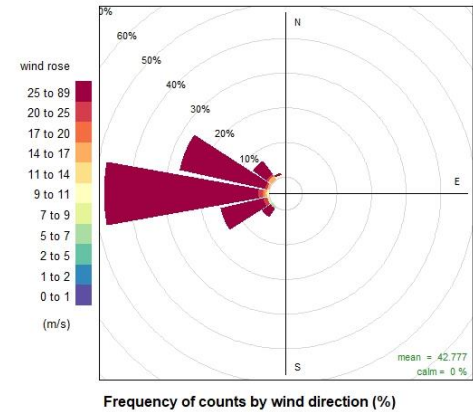
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349-11	0	0	0	0	0	0	0	0	0	0	0	0	
12-33		0	0	0	0	0	0	0	0	0	0	0	0
34-56		0	0	0	0	0	0	0	0	0	0	0	0
57-78		0	0	0	0	0	0	0	0	0	0	0	0
79-101		0	0	0	0	0	0	0	0	0	0	0	0
102-123		0	0	0	0	0	0	0	0	0	0	0	0
124-146		0	0	0	0	0	0	0	0	0	0	0	0
147-168		0	0	0	0	0	0	0	0	0	0	0	0
168-191		0	0	0	0	0	0	0	0	0	0	0	0
192-213		0	0	0.6	0	0	0	0	0	0	0	0	0
214-236		0	0	0	0	0	0	0	0	0.6	0.6	1.1	0
237-258		0	0	1.1	0.6	0	0	1.1	0.6	0.6	5.1	4.5	0
259-281		0	0	0.6	0	0	0	1.1	2.8	7.3	8.5	16.9	0
282-303		0	0	0	0	0	0	0.6	1.7	3.4	5.6	5.1	20.3
304-326		0	0	0	0	0	0	0.6	0	1.7	2.3	1.7	2.3
327-348		0	0	0	0	0	0	0.6	0.6	0	0	0	0



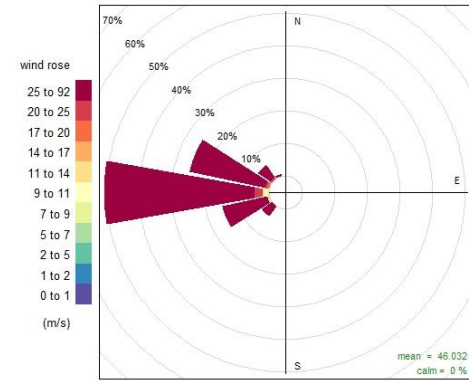
Lucknow

January 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	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	0	0	0.6	0	0	0	0	0	0	3
237-258		0	0	0	0	0	0.6	0	0	0	0	1.2	12.7
259-281		0	0	0	0	0	0	0.6	0	0.6	0.6	1.2	44.6
282-303		0	0	0	0	0	0	0	0	0.6	0	0.6	25.3
304-326		0	0	0	0	0	0	0	0	1.2	0	0.6	4.8
327-348		0	0	0	0	0	0	0.6	0	0	0	0	0.6

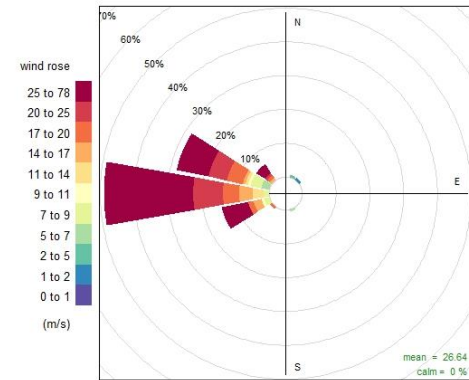


Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +	
349-11	0	0	0	0	0	0	0	0	0	0	0	0	
12-33		0	0	0	0	0	0	0	0	0	0	0	0
34-56		0	0	0	0	0	0	0	0	0	0	0	0
57-78		0	0	0	0	0	0	0	0	0	0	0	0
79-101		0	0	0	0	0	0	0	0	0	0	0	0
102-123		0	0	0	0	0	0	0	0	0	0	0	0
124-146		0	0	0	0	0	0	0	0	0	0	0	0
147-168		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	0	0	0	0	0	0	0	0	0	3.8
237-258		0	0	0	0	0	0	0	0.6	0	0	0	14.1
259-281		0	0	0	0	0	0.6	0.6	0.6	0	0	2.6	46.2
282-303		0	0	0	0	0	0	0	0	0	0.6	0.6	23.7
304-326		0	0	0	0	0	0	0	0	0	0	0.6	4.5
327-348		0	0	0	0	0	0	0	0	0	0	0	0.6



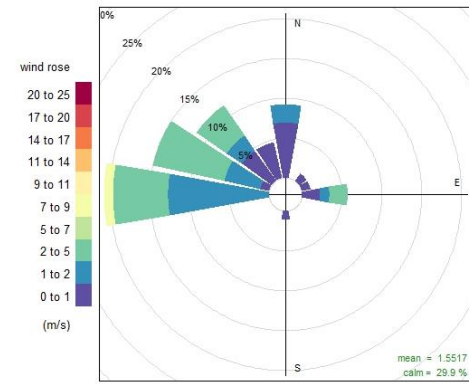
Frequency of counts by wind direction (%)

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	0.8	0	0	0	0	0	0	0	0	0
34-56		0	0.8	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	0.8	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	0.8	0	0
237-258		0	0	0	0	0	1.6	0.8	0	2.4	1.6	0	8
259-281		0	0	0	0	0	1.6	0	3.2	4	4.8	8.8	26.4
282-303		0	0	0	0	2.4	3.2	0.8	0.8	0.8	4.8	5.6	9.6
304-326		0	0	0	0	0	0	0	0	0.8	0.8	0.8	3.2
327-348		0	0	0	0	0	0	0	0	0	0	0	0



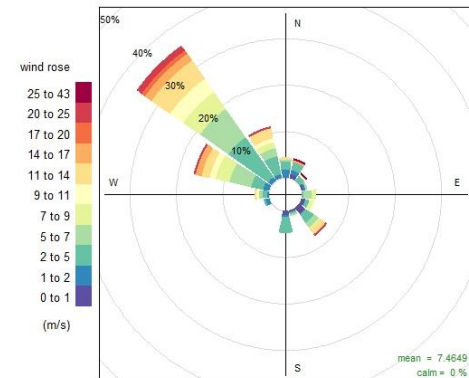
Frequency of counts by wind direction (%)

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	30	6.9	2.3	0	0	0	0	0	0	0	0	0
12-33		0	0	0	0	0	0	0	0	0	0	0
34-56		1.1	0	0	0	0	0	0	0	0	0	0
57-78		1.1	0	0	0	0	0	0	0	0	0	0
79-101		2.3	1.1	2.3	0	0	0	0	0	0	0	0
102-123		0	0	0	0	0	0	0	0	0	0	0
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		1.1	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	12.6	6.9	0	1.1	0	0	0	0	0	0
282-303		1.1	4.6	9.2	0	0	0	0	0	0	0	0
304-326		4.6	2.3	4.6	0	0	0	0	0	0	0	0
327-348		4.6	0	0	0	0	0	0	0	0	0	0



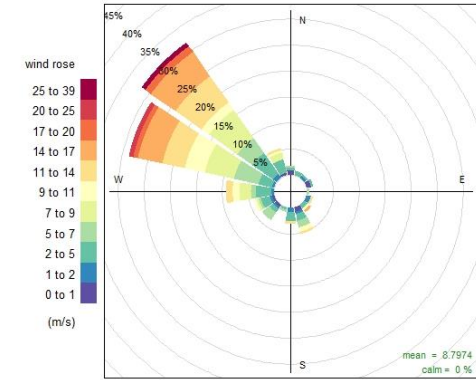
Frequency of counts by wind direction (%)

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	1.8	1.8	0.4	0	0	0.4	0	0	0	0
12-33		0.9	0.9	1.8	0	0	0	0	0.4	0	0	0.4
34-56		0	0	1.3	0	0	0.4	0	0	0	0	0.4
57-78		0.4	0.4	0	0.4	0	0	0	0	0	0	0
79-101		0	0	0.4	1.8	0.9	0	0	0	0	0	0
102-123		0.9	0	0.9	0	0.9	0.4	0	0	0	0	0
124-146		1.8	0	2.2	1.3	0.4	0	1.3	0	0	0.4	0
147-168		0.4	0	0.4	0.4	0	0	0	0	0	0	0
168-191		0.9	0.4	3.5	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	0.9	0.4	0	0	0	0	0	0	0	0
259-281		0	0.4	0.9	0.9	0	0.4	0.4	0	0	0	0
282-303		0	1.3	2.6	4.8	3.1	1.3	1.8	1.3	0	0.4	0
304-326		0	0.9	10.5	7.5	4.4	3.5	4.8	1.8	0.9	1.3	0
327-348		0	0.9	3.9	1.8	1.3	0.9	2.2	0	0	0.4	0



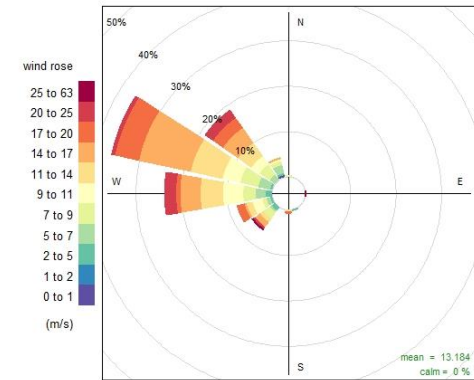
Frequency of counts by wind direction (%)

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	0.9	0	0.4	0.4	0	0	0	0	0	0	0
12-33		0	0	0.9	0	0	0	0	0	0	0	0
34-56		0	0.4	0.4	0	0	0	0	0	0	0	0
57-78		0.9	0	0.4	0	0	0	0	0	0	0	0
79-101		0	0	0	0.4	0	0	0	0	0	0	0
102-123		0	0.9	0	0	0	0	0	0.4	0	0	0
124-146		0	0	0.9	0	0	0	0.4	0	0.4	0	0
147-168		0.9	0.4	1.3	1.3	0	0.9	0.4	0	0	0	0
168-191		0	0.9	1.8	0	0	0	0.4	0	0	0	0
192-213		0	0	0.4	0.4	0	0	0	0	0	0	0
214-236		0.4	0.4	0.9	1.8	0	0	0	0	0	0	0
237-258		0.4	0.4	1.8	0.4	0.4	0.4	0	0	0	0	0
259-281		0	0.4	3.1	0.9	2.2	1.3	1.3	0	0	0	0
282-303		0	0.4	2.6	4.8	5.7	4	4.4	4.8	0.9	0.9	0
304-326		0	0.9	4.8	3.5	6.6	1.8	6.2	5.7	1.3	0	0.9
327-348		0.4	0	2.6	0	1.3	0.4	0.4	0	0	0	0



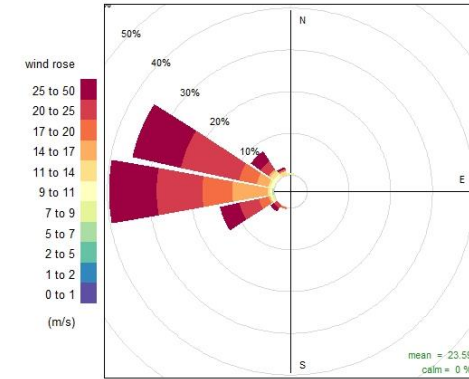
Frequency of counts by wind direction (%)

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	0.4	0	0	0	0	0	0
12-33		0	0	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	0	0	0	0	0	0	0	0	0	0
79-101		0	0	0	0	0	0	0	0	0	0	0.4
102-123		0	0	0	0	0	0	0	0	0	0	0
124-146		0	0	0	0	0	0	0	0	0	0	0
147-168		0	0	0.4	0	0	0	0	0	0	0	0
168-191		0	0	0	0	0	0	0	0.4	0	0.4	0
192-213		0	0	0	0	0	0	0	0	0	0	0
214-236		0	0	0.9	0.4	1.8	0	0.9	1.3	0	0.4	0.4
237-258		0	0	0.4	0.9	0.9	2.2	1.3	0.4	1.8	0	0
259-281		0	0	1.3	2.2	2.7	4.5	4.9	4.5	0.9	2.7	0
282-303		0	0	0.4	2.7	4	4	7.2	11.7	5.4	0.9	0
304-326		0	0	0	1.3	2.7	2.2	3.6	4	2.7	2.2	0
327-348		0.4	0	0.4	1.8	0.9	0.4	0	0.4	0	0	0



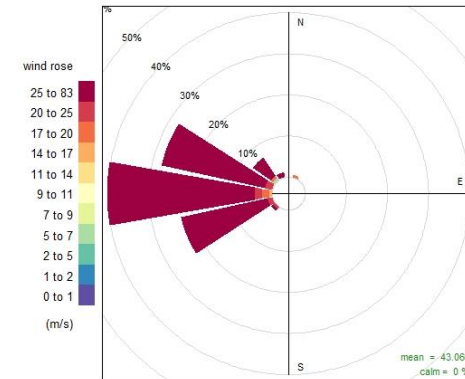
Frequency of counts by wind direction (%)

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	0	0	0	0	0	0.5	0	0	0	0	0	0	
12-33		0	0	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	0	0	0	0	0	0	0	0	0	0	
79-101		0	0	0	0	0	0	0	0	0	0	0	
102-123		0	0	0	0	0	0	0	0	0	0	0	
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	0.5	0	
214-236		0	0	0	0	0	0	0	0	0	0	1	1
237-258		0	0	0	0	0	0.5	0.5	0	0.5	2.4	4.8	4.8
259-281		0	0	0	0	0.5	0	0.5	0.5	8.6	7.1	11	11.4
282-303		0	0	0	0	0	0	1	0.5	2.9	4.3	14.3	11.9
304-326		0	0	0	0	0	0	1	1	0.5	0	2.4	2.9
327-348		0	0	0	0	0	0	0	1	0	0.5	0	0.5



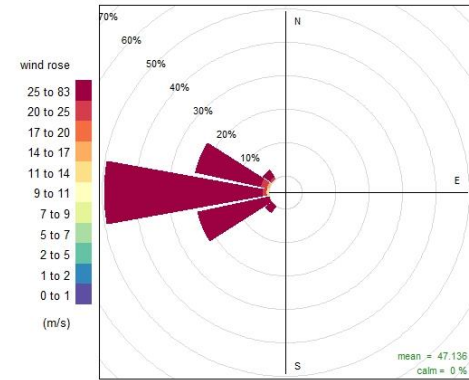
Frequency of counts by wind direction (%)

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	0.6	0	
34-56		0	0	0	0	0	0	0	0	0	0	0	
57-78		0	0	0	0	0	0	0	0	0	0	0	
79-101		0	0	0	0	0	0	0	0	0	0	0	
102-123		0	0	0	0	0	0	0	0	0	0	0	
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	0.6	0.6
237-258		0	0	0	0	0	0	0	0	0	0	1.2	21.6
259-281		0	0	0	0	0	0	0	0	0.6	1.8	1.8	35.9
282-303		0	0	0	0	0	0	0	0	0	0	1.8	25.7
304-326		0	0	0	0	0.6	0	0	0	0	0.6	0	5.4
327-348		0	0	0	0	0	0	0	0	0	0	0	1.2



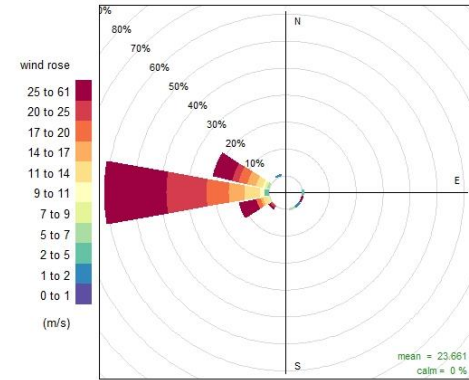
Frequency of counts by wind direction (%)

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	
34-56		0	0	0	0	0	0	0	0	0	0	0	
57-78		0	0	0	0	0	0	0	0	0	0	0	
79-101		0	0	0	0	0	0	0	0	0	0	0	
102-123		0	0	0	0	0	0	0	0	0	0	0	
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	2.6	
237-258		0	0	0	0	0	0	0	0	0	0	22.1	
259-281		0	0	0	0	0	0	0	0.6	0	0	1.3	47.4
282-303		0	0	0	0	0	0	0	0	0.6	0	1.9	20.1
304-326		0	0	0	0	0	0	0	0	0	0	0.6	2.6
327-348		0	0	0	0	0	0	0	0	0	0	0	0



Frequency of counts by wind direction (%)

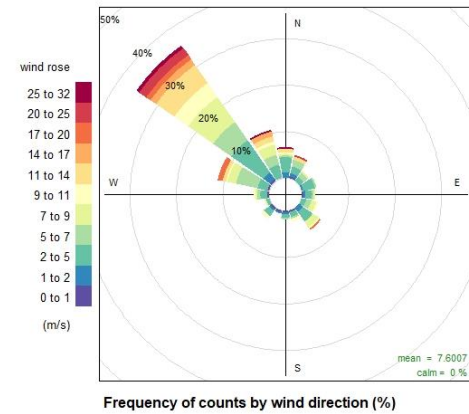
Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +	
349-11	0	0	0	0	0	0	0	0	0	0	0	0	
12-33		0	0	0	0	0	0	0	0	0	0	0	
34-56		0	0	0	0	0	0	0	0	0	0	0	
57-78		0	0	0	0	0	0	0	0	0	0	0	
79-101		0	0	0.8	0	0	0	0	0	0	0	0	
102-123		0	0	0	0	0	0	0	0	0	0	0.8	
124-146		0	0.8	0	0	0	0	0	0	0	0	0	
147-168		0	0	0	0	0.8	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	0.8	0.8
237-258		0	0	0	0	0	0.8	0	1.7	0.8	1.7	0	6.6
259-281		0	0	1.7	0	0	1.7	5.8	5.8	8.3	14.9	23.1	
282-303		0	0	0	0.8	0.8	0.8	2.5	3.3	3.3	2.5	7.4	
304-326		0	0	0	0	0	0	0	0	0	0	0	0
327-348		0	0.8	0	0	0	0	0	0	0	0	0	0



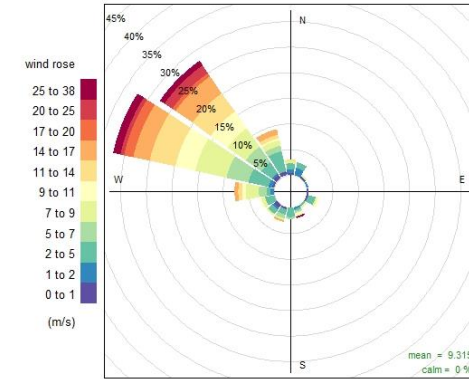
Frequency of counts by wind direction (%)

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	100	0	0	0	0	0	0	0	0	0	0	0
12-33		0	0	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	0	0	0	0	0	0	0	0	0	0
79-101		0	0	0	0	0	0	0	0	0	0	0
102-123		0	0	0	0	0	0	0	0	0	0	0
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

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	3.3	0.4	0.4	0.4	0.7	0	0	0	0.4
12-33		0.4	0.7	1.5	1.5	0	0	0.7	0	0	0.4	0
34-56		0	0	1.1	1.1	0.4	0	0	0	0	0	0
57-78		0	0.4	2.6	0.4	0	0	0	0	0	0	0
79-101		0.4	0.4	1.5	0.4	0.4	0	0	0	0	0	0
102-123		0	0	1.1	1.1	1.1	0.4	0	0	0	0	0
124-146		0	1.1	2.6	0	1.5	0.4	0	0	0.4	0	0
147-168		0.4	0	1.1	0.4	0	0.7	0	0	0	0	0
168-191		0.4	0.4	0.7	0.4	0	0	0	0	0	0	0
192-213		0.4	0.4	0	0	0	0	0	0	0	0	0
214-236		0.4	0.4	1.5	0	0	0.7	0	0	0	0	0
237-258		0	0	0.7	0	0.4	0	0	0	0	0	0
259-281		0.4	0	1.5	0.7	0.4	0.4	0	0	0	0	0
282-303		0.4	0	2.2	4.8	1.8	0.4	0.7	0	1.1	0	0
304-326		0.4	1.8	8.4	4.8	6.6	3.7	4.8	1.5	1.1	1.8	0.7
327-348		0	0	2.9	2.2	2.2	0.7	1.1	1.1	0	0	0.4

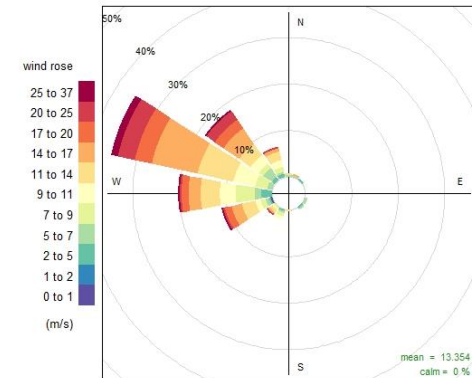


Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11		0.4	0.7	1.1	0	0.4	0	0.4	0	0	0	0
12-33		0	1.5	1.1	0	0	0	0	0	0	0	0
34-56		0.4	0	0	0	0.4	0	0	0	0	0	0
57-78		0	0.4	0	0	0	0	0	0	0	0	0
79-101		0.4	0	0	0	0	0	0	0	0	0	0
102-123		0.4	0	1.5	0	0.4	0.4	0	0	0	0	0
124-146		0	0	0.4	0	0.4	0	0	0	0	0	0
147-168	0	0	0.4	0.4	0.4	0	0.7	0	0	0	0	0.4
168-191		0	0	1.8	0.4	0	0	0	0	0	0	0
192-213		0.4	0	1.1	0.7	0.4	0	0	0.4	0	0	0
214-236		0.7	0.4	1.1	0	0.4	0	0	0	0	0	0
237-258		0	0	1.8	0	0.7	0.4	0	0	0	0	0
259-281		0	0.7	0.7	1.5	2.6	0.7	0.7	0.7	0	0	0
282-303		0.4	0.7	4	4.4	6.2	4	5.1	3.3	1.8	0.7	1.5
304-326		0.7	0.4	2.6	3.7	4.4	4	4.4	4	0.7	1.8	1.1
327-348		0.7	0	4	1.1	1.1	0.4	0.7	1.1	0	0	0



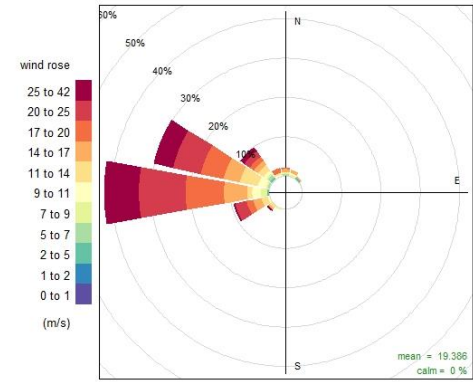
Frequency of counts by wind direction (%)

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	0.4	0	0	0.4	0	0	0	0
12-33		0	0	0	0.4	0	0	0	0.4	0	0	0
34-56		0	0	0.4	0	0	0	0	0	0	0	0
57-78		0	0	0	0	0	0	0	0	0	0	0
79-101		0	0	0	0	0	0	0	0	0	0	0
102-123		0	0	0	0.7	0	0	0	0	0	0	0
124-146		0	0	0.4	0.4	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	0.4	0	0	0	0
192-213		0	0	0.4	0.4	0.7	0.7	0	0	0	0	0
214-236		0	0	0	0	0.4	0.4	0.7	0.4	0	0.4	0
237-258		0.4	0	0.4	0.7	1.1	1.1	3	2.2	1.5	0.4	0.4
259-281		0	0	2.2	1.5	4.1	3.4	4.1	2.6	1.5	0.4	0.4
282-303		0	0	0	1.1	2.6	4.9	7.8	10.1	3.7	3.7	1.5
304-326		0	0	0.7	2.2	1.1	2.2	3	4.1	2.2	2.2	0.4
327-348		0	0	0.7	0.4	1.1	1.5	1.9	0.7	0	0.4	0



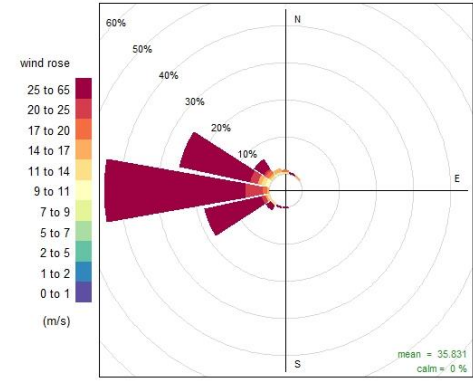
Frequency of counts by wind direction (%)

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	0.4	0.4	0	0	0.8	0.4	0	0	
12-33		0	0	0	0	0.4	0.4	0	0.8	0	0	0	
34-56		0	0	0.4	0	0	0	0	0.4	0	0	0	
57-78		0	0	0	0	0	0	0	0	0	0	0	
79-101		0	0	0	0	0	0	0	0	0	0	0	
102-123		0	0	0	0	0	0	0	0	0	0	0	
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	0.4	0	0	0	0	0	0
214-236		0	0	0	0	0	0	0	0.8	0.4	0	0	0.4
237-258		0	0	0	0	0	0	0.4	1.7	2.1	1.7	3	0.4
259-281		0	0	0.4	0	1.7	2.1	1.3	5.9	9.7	11.9	8.9	
282-303		0	0	0	0.4	0.4	2.1	4.7	4.2	5.9	7.2	5.1	
304-326		0	0	0.4	0.8	0.4	0.8	1.7	1.3	1.3	1.7	1.3	
327-348		0	0	0	0	0	0.4	0.4	0	1.3	0	0	



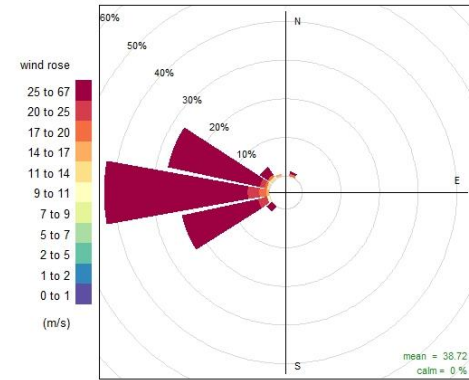
Frequency of counts by wind direction (%)

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	0	0	0	0	0	0	0	0.5	0	0.5	0	0	
12-33		0	0	0	0	0	0	0	0	0	0	0.5	
34-56		0	0	0	0	0	0	0	0.5	0	0	0	
57-78		0	0	0	0	0	0	0	0	0	0	0	
79-101		0	0	0	0	0	0	0	0	0	0	0	
102-123		0	0	0	0	0	0	0	0	0	0	0	
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	0.5	
192-213		0	0	0	0	0	0	0	0	0	0	0.5	
214-236		0	0	0	0	0	0	0	0.5	0	0	1.6	
237-258		0	0	0	0	0	0	0	0.5	0.5	0	1.1	15.9
259-281		0	0	0	0	0	0	0	0	0.5	1.1	4.8	38.1
282-303		0	0	0	0	0	0	1.1	1.1	1.1	0	2.1	19.6
304-326		0	0	0	0	0	0	0	0.5	0.5	1.1	0.5	3.2
327-348		0	0	0	0	0	0.5	0	0	1.1	0	0	0



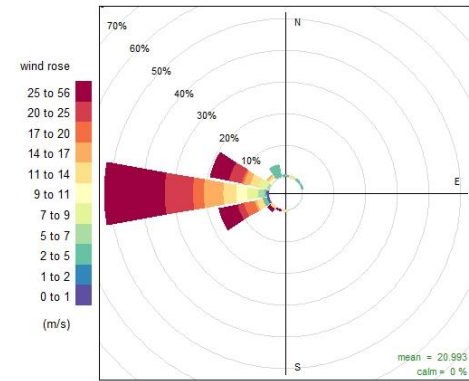
Frequency of counts by wind direction (%)

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	0.6	0	0.6	
34-56		0	0	0	0	0	0	0	0	0	0	0	
57-78		0	0	0	0	0	0	0	0	0	0	0	
79-101		0	0	0	0	0	0	0	0	0	0	0	
102-123		0	0	0	0	0	0	0	0	0	0	0	
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	1.8	
237-258		0	0	0	0	0	0	0.6	0	0	0	2.4	20.1
259-281		0	0	0	0	0	0	0	0	0.6	1.8	3	37.2
282-303		0	0	0	0	0	0	0	0.6	0	0.6	1.2	24.4
304-326		0	0	0	0	0	0	0	0.6	0	0.6	0	2.4
327-348		0	0	0	0	0	0	0	0	0.6	0	0	0



Frequency of counts by wind direction (%)

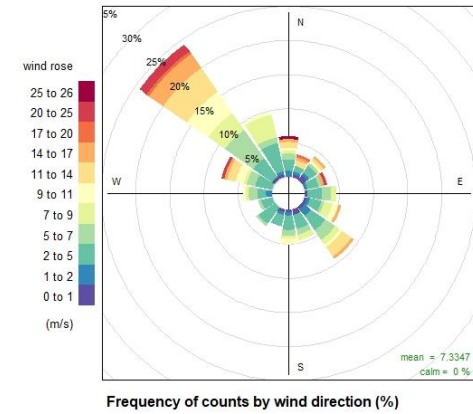
Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	0	0	0	0.7	0	0	0	0	0	0	0	0
12-33		0	0	0	0	0	0	0.7	0	0	0	0
34-56		0	0	0.7	0	0	0	0	0	0	0	0
57-78		0	0	0.7	0	0	0	0	0	0	0	0
79-101		0	0	0	0	0	0	0	0	0	0	0
102-123		0	0	0	0	0	0	0	0	0	0	0
124-146		0	0	0	0	0	0	0	0	0	0	0
147-168		0	0	0	0	0	0	0	0	0	0	0
168-191		0	0	0	0	0	0	0	0.7	0	0	0
192-213		0	0	0	0	0	0	0	0	0	0	0.7
214-236		0	0	0	0	0	0	0	0.7	0	0	1.4
237-258		0.7	0	1.4	0	0	0	2.1	0.7	3.4	2.1	6.2
259-281		0.7	0	0.7	2.1	3.4	3.4	4.1	6.2	3.4	8.9	19.2
282-303		0	0	0	0.7	2.7	0	2.7	2.1	0.7	4.1	6.2
304-326		0	0	0	0	0	0.7	0.7	0.7	0	0	0
327-348		0	0	4.1	0	0	0	0	0	0	0	0



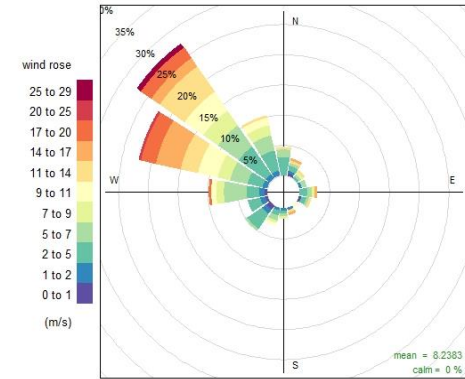
Frequency of counts by wind direction (%)

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												
12-33												
34-56												
57-78												
79-101												
102-123												
124-146												
147-168												
168-191												
192-213												
214-236												
237-258												
259-281												
282-303												
304-326												
327-348												

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	0.8	1.7	0.8	0.4	0.4	0.8	0.4	0	0	0.4
12-33		0.4	0.4	0.8	0	0	0	0.8	0.4	0.4	0	0
34-56		0.8	0.4	1.3	0.4	0	0.4	0.4	0.4	0	0	0
57-78		0	0.4	1.7	0.4	0	0	0	0.4	0	0.4	0
79-101		0.4	0	2.1	1.3	0.8	0	0	0	0	0	0
102-123		0.4	0.4	1.7	0.4	1.3	0.8	0	0.4	0	0	0
124-146		0.4	1.3	2.5	1.7	0.8	0.4	1.7	0.4	0	0	0
147-168	0	0.8	0	2.1	0.8	0.8	0	0	0	0	0	0
168-191		0.4	0.4	2.1	0.8	0.4	0.8	0	0	0	0	0
192-213		0.4	0.4	1.7	0	0	0	0	0	0	0	0
214-236		0	0	3	0.4	0	0	0	0	0	0	0
237-258		0	0	1.7	0.4	0	0	0	0	0	0	0
259-281		0	0.8	1.3	1.3	0.4	0.4	0	0	0	0	0
282-303		0	0	2.5	1.3	0.4	1.3	1.3	0.4	0	0.4	0
304-326		0.4	0	3.4	5.1	3	3.8	4.2	2.5	0.4	1.3	0
327-348		0.4	0.4	4.2	0.8	3.4	0.4	0	0	0	0	0

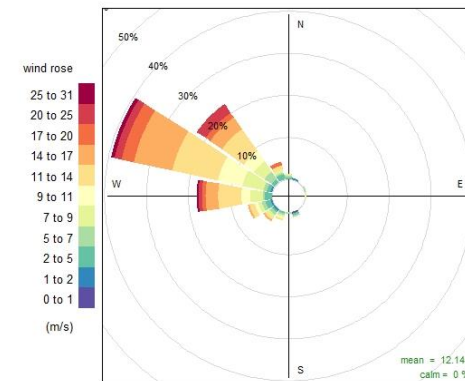


Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	0	0	3	1.3	0	0	0.4	0	0	0	0	0
12-33	0.4	0.4	0.9	0.4	0	0	0.4	0.4	0	0	0	0
34-56	0	0	0.4	0.4	0.4	0	0.4	0	0	0	0	0
57-78	0	0.4	0	0.9	0	0	0	0	0	0	0	0
79-101	0	0	1.3	0.9	0.4	0	0	0.4	0	0	0	0
102-123	0.4	0	0.9	0.4	0	0	0.4	0	0	0	0	0
124-146	0	0	0	0	0	0.4	0	0	0	0	0	0
147-168	0	0.4	0	0	0	0	0.4	0.4	0	0	0	0
168-191	0	0.4	0.4	0.4	0.4	0	0	0	0	0	0	0
192-213	0	0.4	0.9	0.9	0.4	0.4	0	0	0	0	0	0
214-236	0.9	0.9	3	0.4	0	0	0	0	0	0	0	0
237-258	0.4	0.9	2.1	0	0	0	0	0	0	0	0	0
259-281	0.4	0.9	2.1	3.8	1.3	0.9	0	0	0.4	0	0	0
282-303	0	0.9	2.6	3	2.1	3.4	3	4.3	2.6	0.4	0	0
304-326	0	0.9	5.5	4.3	3	3.8	5.1	1.7	2.1	0	0.9	0
327-348	0	0.9	3.4	2.6	1.7	1.3	0.4	0	0	0	0	0



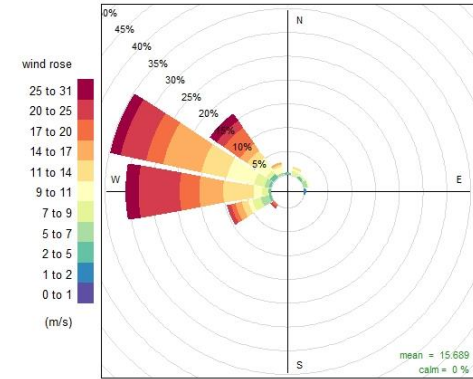
Frequency of counts by wind direction (%)

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	0.4	0.4	0	0	0	0	0	0	0
12-33	0	0.4	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	0.4	0	0	0	0	0	0	0	0
79-101	0	0	0	0	0.4	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	0.4	0	0.4	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	0.4	0.4	0.4	0.4	0.4	0	0	0	0	0
214-236	0	0.4	0.4	0.9	0.9	0	0.4	0.4	0	0	0	0
237-258	0	0.4	1.3	0.9	0.9	0.9	1.3	0.4	0	0	0	0
259-281	0	0	1.7	0.4	3	2.1	5.6	3	0.9	0.9	0.4	0
282-303	0	0.4	0.9	0.9	5.1	6	11.1	9.4	3	1.7	0.9	0
304-326	0	0	0.9	2.1	3	3	6.4	3.4	1.3	2.6	0	0
327-348	0	0	1.3	0.4	0.9	0	0.9	0	0.9	0	0	0



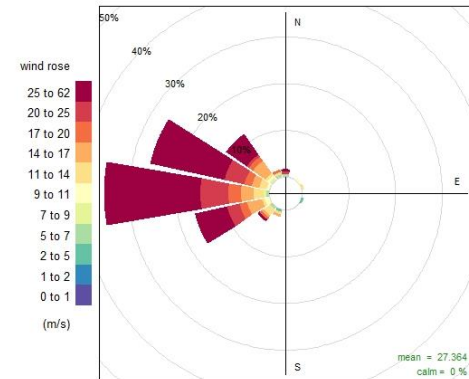
Frequency of counts by wind direction (%)

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	0	0	0	0	0	0
12-33	0	0	0	0	0.9	0.5	0.5	0	0	0	0	0
34-56	0	0	0.5	0	0.5	0	0	0	0	0	0	0
57-78	0	0	0	0.9	0	0.5	0	0	0	0	0	0
79-101	0	0.5	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	0	0	0	0	0	0	0.5	0.5	0	0
237-258	0	0	0.5	1.8	1.8	0.9	1.4	1.4	0.9	0.9	0	0
259-281	0	0	0.5	0	1.4	1.8	6.4	5	4.1	8.7	2.7	2.7
282-303	0	0	0.5	0.9	2.3	5.9	5.5	8.2	3.7	5.5	2.3	2.3
304-326	0	0	0.9	0	0.9	3.2	1.8	1.8	4.1	1.8	1.8	1.8
327-348	0	0	0	0.5	0	1.4	0.5	0.5	0	0	0	0



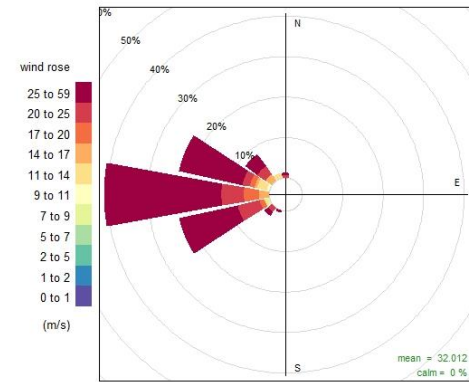
Frequency of counts by wind direction (%)

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	0.5	0	0	0	0	0	0	0.5	0.5
12-33	0	0	0	0	0	0	0	0	0	0	0	0
34-56	0	0	0	0	0	0	0.5	0	0	0	0	0
57-78	0	0	0	0	0	0	0	0.5	0	0	0	0
79-101	0	0	0	0	0	0	0	0	0	0	0	0
102-123	0	0	0.5	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	0.5	0	0	0	0.5	0.5	0	0	0	0
214-236	0	0	0	0.5	0	0	1.6	0.5	0.5	0	0	0.5
237-258	0	0	0	0	0	0	1.1	0.5	3.3	1.6	2.7	7.1
259-281	0	0	0	0.5	0.5	0	2.2	2.7	2.7	6	20.7	20.7
282-303	0	0	0	0	0	0	0.5	1.6	1.6	1.6	4.3	16.3
304-326	0	0	0	0	0	0.5	0.5	0.5	3.3	1.1	0.5	5.4
327-348	0	0	0	0.5	0	0	0.5	0	0.5	0	0	0



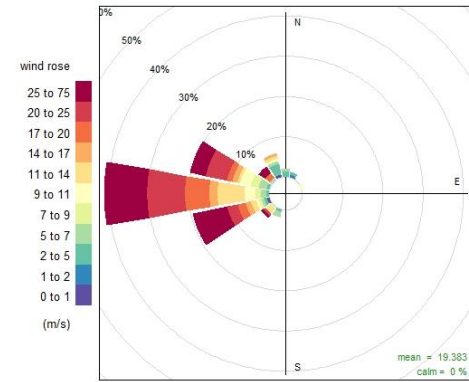
Frequency of counts by wind direction (%)

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	0.6	0.6	
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	0.6
214-236		0	0	0	0	0	0	0	0	0	0	1.2	1.2
237-258		0	0	0	0	0	0.6	0	0.6	0	1.2	5.6	14.8
259-281		0	0	0	0	0	0	0	0	2.5	3.7	5.6	29
282-303		0	0	0	0	0	0	0.6	2.5	0.6	1.2	1.9	16
304-326		0	0	0	0	0	0	0	0	1.9	0	2.5	3.7
327-348		0	0	0	0	0	0	0	1.2	0	0	0	0



Frequency of counts by wind direction (%)

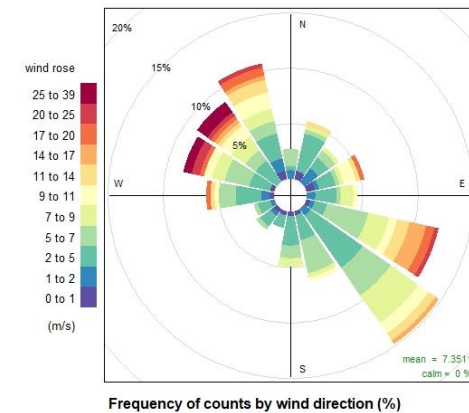
Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +	
349-11	0	0	0	1.3	0.7	0	0	0	0	0	0	0	
12-33		0	0.7	0.7	0	0	0	0	0	0	0	0	0
34-56		0	0	0	0	0	0	0	0	0	0	0	0
57-78		0	0	0	0	0	0	0.7	0	0	0	0	0
79-101		0	0	0	0	0	0	0	0	0	0	0	0
102-123		0	0	0	0	0	0	0	0	0	0	0	0
124-146		0	0	0	0	0	0	0	0	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	0.7	1.3	0	0	0	0	0	0	0
214-236		0	0	0	0	0	0.7	0	1.3	0	0	0.7	0.7
237-258		0	0.7	0	0.7	0.7	0.7	0.7	1.3	1.3	2	2.7	8.7
259-281		0	0	0	0.7	1.3	1.3	2.7	6.7	2	6	9.4	10.7
282-303		0	0	0	0.7	2	2	2.7	0.7	1.3	1.3	5.4	4
304-326		0	0	0	0	0.7	0	0	0	0	1.3	0	2
327-348		0	0.7	0	2.7	0.7	0	0.7	0.7	0.7	0	0	0



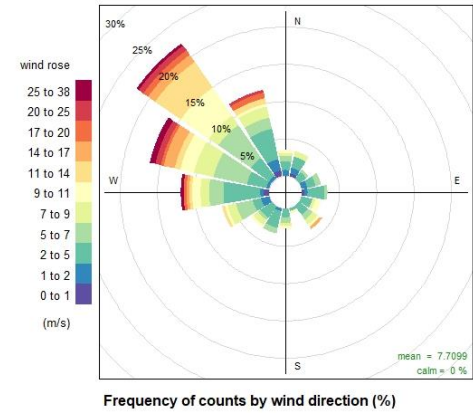
Frequency of counts by wind direction (%)

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												
12-33												
34-56												
57-78												
79-101												
102-123												
124-146												
147-168												
168-191												
192-213												
214-236												
237-258												
259-281												
282-303												
304-326												
327-348												

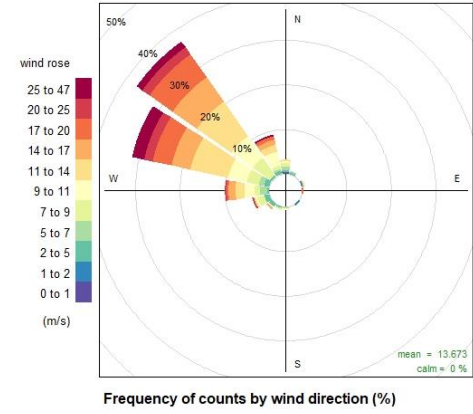
Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11		0	0.8	0.4	1.5	0	0	0	0	0	0	0
12-33		0.8	0	3.4	0.4	0.4	0	0.4	0	0	0	0
34-56		0	1.5	1.1	0.8	0.4	0	0	0	0	0	0
57-78		0.8	0.4	1.5	0.4	0.4	1.1	0.4	0	0.4	0	0
79-101		0	0.8	1.9	0.4	1.1	0.4	0	0	0	0	0
102-123		0.4	0.4	1.1	3.8	1.9	0.8	1.1	1.5	0.8	0.4	0
124-146		0	0.8	5.7	3.1	3.1	1.1	0.8	0.4	0	0	0
147-168	0	0	0	2.3	3.1	0.4	0.4	0	0	0	0	0
168-191		0.8	0	2.7	1.1	0.8	0	0	0	0	0	0
192-213		0.4	0	1.1	0	0	0	0	0	0	0	0
214-236		0.4	0.4	1.1	0.4	0	0	0	0	0	0	0
237-258		0	0.4	1.1	0.4	0	0	0	0	0	0	0
259-281		0.4	0.8	2.3	1.5	0	0.4	0.4	0	0.4	0	0
282-303		0.4	0	1.9	2.3	1.1	0.8	0	0	0.4	0.8	0.8
304-326		0	0	2.3	1.1	1.5	1.1	0.4	0.4	0.4	0.4	1.1
327-348		0.8	1.1	2.3	1.1	1.1	1.5	1.1	0.4	0.8	0.4	0



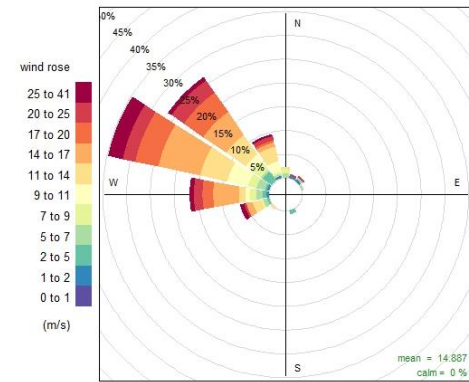
Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	0	0.8	1.1	0.8	0.4	0.4	0	0	0	0	0	0
12-33	0.4	0.8	1.5	0	0.8	0	0	0	0	0	0	0
34-56	0	0	1.1	0.4	0	0	0	0	0	0	0	0
57-78	0	0.8	1.1	0.8	0	0	0	0	0	0	0	0
79-101	0.4	0.4	2.3	0.4	0	0	0	0	0	0	0	0
102-123	0	0	1.5	0	0.4	0.8	0	0	0	0	0	0
124-146	0	0	1.5	0.8	0.8	0.4	0	0.4	0	0	0	0
147-168	0	0	0.4	0	0	0.4	0	0	0	0	0	0
168-191	0	0	1.1	0.8	0.4	0.4	0	0	0	0	0	0
192-213	0	0.4	2.3	0.8	0	0	0	0	0	0	0	0
214-236	0	0	1.9	0.4	0.8	0.4	0	0	0	0	0	0
237-258	0	1.1	1.1	2.3	1.1	0.4	0.4	0	0	0	0	0
259-281	0.8	0.4	5	1.9	1.1	1.1	1.1	0.4	0.4	0.4	0	0.4
282-303	0	0.4	2.7	4.6	2.7	1.9	0.8	1.5	0.4	0.8	0.8	0.8
304-326	0	0.4	3.1	5.3	1.5	4.6	4.2	1.1	0.8	0.8	0.8	0.4
327-348	0.8	1.5	4.2	1.5	1.5	0.4	0.8	0	0.8	0.4	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	0.4	0.8	0.8	0.4	0.4	0	0	0	0	0
12-33	0	0	0.4	0.4	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	0.4	0	0	0	0	0	0.4	0	0	0	0
79-101	0	0	0	0	0	0	0	0	0	0.4	0	0
102-123	0	0	0	0	0	0	0	0	0	0	0	0
124-146	0	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	0
168-191	0	0	0	0.4	0	0.4	0	0	0	0	0	0
192-213	0	0	0.4	0	0.4	0	0	0	0	0	0	0
214-236	0	0	0.8	0	0	0.4	0	0.4	0	0	0	0
237-258	0	0	1.2	0	1.6	0.4	0.4	0	0	0	0.4	0
259-281	0	0	0.4	1.6	1.2	2.4	2	1.6	0.4	0.4	0	0
282-303	0	0	1.2	1.2	2.8	4.3	8.7	4.3	4.3	2	2.8	2.8
304-326	0	0	0.4	0	4.7	5.9	9.4	6.7	6.3	2	1.6	1.6
327-348	0	0	0.8	0.4	0.8	3.1	1.6	1.2	0.8	0	0.4	0.4

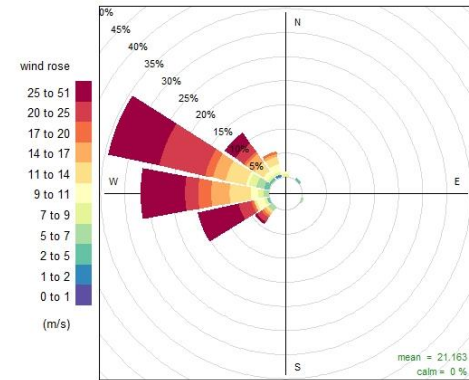


Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +	
349-11	0	0	0	0	0.9	0.9	0	0.5	0	0	0	0	
12-33		0	0.5	0	0	0	0	0	0	0	0	0.5	0
34-56		0	0.5	0	0.5	0	0	0	0	0	0	0.5	0
57-78		0	0	0	0.5	0	0	0	0	0	0	0	0
79-101		0	0	0	0	0	0	0	0	0	0	0	0
102-123		0	0	0	0	0	0	0	0	0	0	0	0
124-146		0	0	0	0	0	0	0	0	0	0	0	0
147-168		0	0	0.9	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	0.5	0	0	0	0
237-258		0	0	0.5	0.9	0.9	0.5	0	1.8	1.4	0	0.5	0.9
259-281		0	0.5	0.9	1.4	1.4	0.9	1.4	5.4	2.3	1.8	0.9	0.9
282-303		0	0.5	0.5	1.8	1.8	4.5	5.9	9	5	2.7	3.2	3.2
304-326		0	0	2.3	0.5	2.3	1.8	5	5.9	5	3.2	0.9	0.9
327-348		0	0.5	0	0.5	0.5	2.3	3.2	0.9	0.5	0.9	0.9	0.5



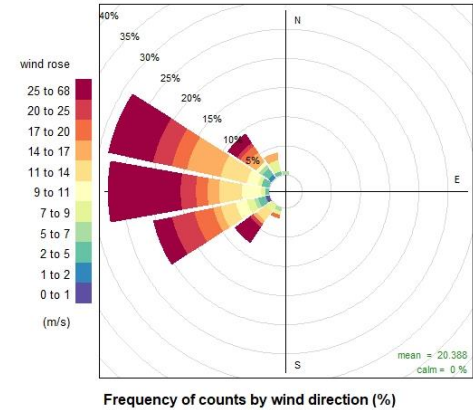
Frequency of counts by wind direction (%)

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	0.5	0	0	0	0	0	
12-33		0	0	0	0	0	0	0	0	0	0	0	0
34-56		0	0	0.5	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	0.5	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	0	1.1	0	0	0.5	0.5	0.5	1.1	0.5	0.5
237-258		0	0	0.5	0	0.5	1.6	0.5	0	0.5	2.7	8.7	8.7
259-281		0	0	0	1.1	1.1	1.6	4.3	3.8	2.7	2.7	9.2	9.2
282-303		0	0	1.1	1.6	1.6	0.5	4.3	2.7	1.6	9.8	10.9	10.9
304-326		0	0	0.5	0	0.5	1.1	2.2	2.2	0.5	2.2	2.7	2.7
327-348		0	0.5	0	0	0.5	1.6	1.6	0.5	0.5	0	0	0

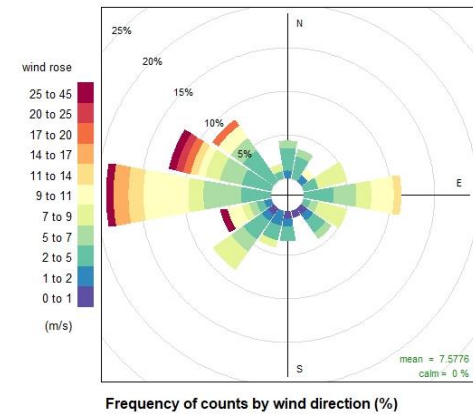


Frequency of counts by wind direction (%)

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	0.7	0	0	0	0	0	0	0
12-33		0	0	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	0	0	0	0	0	0	0	0	0	0
79-101		0	0	0	0	0	0	0	0	0	0	0
102-123		0	0	0	0	0	0	0	0	0	0	0
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	0.7	0.7	0	0	0	0.7	0	0
214-236		0	0	0	0	1.3	0	2	0.7	0	0.7	3.3
237-258		0.7	0	1.3	0.7	1.3	2	2.6	1.3	3.3	3.9	3.3
259-281		0	0	0.7	0	0.7	3.3	3.9	2	2	2.6	12.5
282-303		0	0	1.3	0	0.7	2	4.6	5.9	2.6	3.3	7.9
304-326		0	0.7	1.3	0.7	0	0.7	0	2	1.3	0.7	2
327-348		0	0	0.7	0	2	0	0	1.3	0	0	0



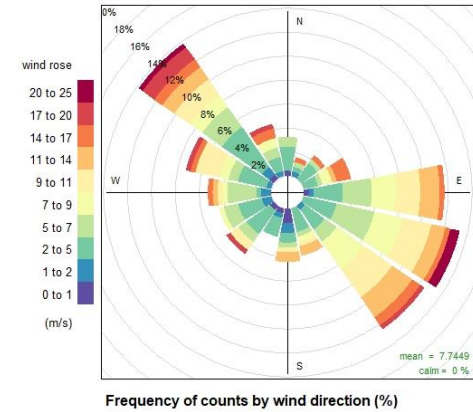
Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	0	0	0.9	2.6	0.9	0	0	0	0	0	0	0
12-33		0	0	2.6	0.9	0	0	0	0	0	0	0
34-56		0	0.9	0	0	0	0.9	0	0	0	0	0
57-78		0	0	1.7	0	3.4	0	0	0	0	0	0
79-101		0	0	3.4	2.6	1.7	2.6	0.9	0	0	0	0
102-123		0	0	0.9	0.9	3.4	0	0	0	0	0	0
124-146		0.9	0.9	1.7	0.9	0	0	0	0	0	0	0
147-168		0.9	0	0	0	0	0	0	0	0	0	0
168-191		0.9	0.9	1.7	0	0	0	0	0	0	0	0
192-213		0	1.7	1.7	0	0.9	0	0	0	0	0	0
214-236		0.9	0.9	2.6	1.7	2.6	0	0	0	0	0	0
237-258		0	0.9	0.9	0.9	0.9	1.7	0	0	0	0	0.9
259-281		0	0	3.4	4.3	1.7	5.2	1.7	1.7	0	0	0.9
282-303		0	0	3.4	2.6	1.7	0.9	0.9	0	0.9	0.9	0.9
304-326		0	0	4.3	1.7	0	1.7	0	0	0.9	0	0
327-348		0	0	0.9	0	0.9	0	0	0	0	0	0



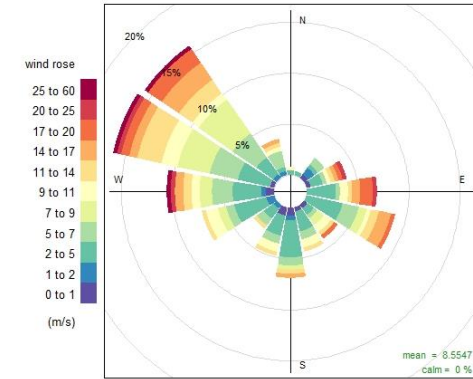
Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11												
12-33												
34-56												
57-78												
79-101												
102-123												
124-146												
147-168												
168-191												
192-213												
214-236												
237-258						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

Lucknow June 925 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		0.4	0	2	0.8	0	0	0	0	0	0	0
12-33		0	0.4	0.4	0.4	0	0	0	0.4	0	0	0
34-56		0	0	1.6	0.4	0	0	0	0.4	0	0	0
57-78		0	0	1.2	0.4	0.8	0	0.4	1.2	0	0	0
79-101		0.4	0.4	2.4	2.4	2	2	1.6	0.4	0	0	0
102-123		0	0	2.8	3.2	2.4	2.4	1.2	0.4	0	0.8	0
124-146		0	0.4	2	1.2	2.8	2.8	2	0.8	0.4	0	0
147-168	0	0	0	2	0.4	0.4	0.4	0.8	0	0	0	0
168-191		1.2	0.8	0.8	0.4	0	0.4	0.8	0	0	0	0
192-213		0.4	0.4	1.6	0	0	0	0	0	0	0	0
214-236		0.4	0	2.4	0.8	0	0.8	0	0	0.4	0	0
237-258		0	0.8	2	1.2	0.4	0	0	0	0	0	0
259-281		0	0.8	0.4	2.4	0.4	0.4	0.4	0.4	0	0	0
282-303		0	0.4	2.4	0.8	0.8	2	0	0.4	0.4	0	0
304-326		0.4	0.8	4	2	1.2	1.6	1.2	0.8	1.2	0.4	0
327-348		0	0.4	1.2	0.8	0.8	0	0	0.8	0.4	0	0

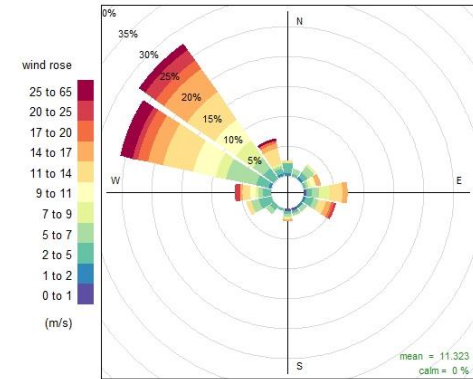


Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	0	0	0.4	0	0	0.4	0	0	0	0	0	0
12-33	0	0	0.4	0	0	0	0	0	0	0	0	0
34-56	0.4	0.8	0.4	0.8	0	0	0	0	0	0	0	0
57-78	0.4	0	1.2	0.4	0	0.4	0.4	0.4	0.4	0.4	0.4	0
79-101	0	0	2.8	0.4	0	0.8	0.4	0.8	1.2	0.4	0	0
102-123	0	0	3.6	1.6	0.8	0.4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



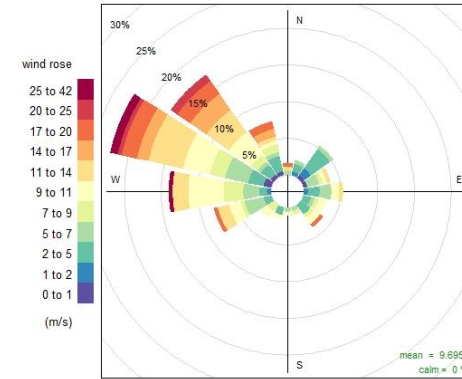
Frequency of counts by wind direction (%)

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	1.7	0	0	0	0.4	0	0	0	0	0
12-33	0	0	0.4	0.9	0	0	0	0	0	0	0	0
34-56	0	0.4	0.9	1.3	0.4	0	0	0	0	0	0	0
57-78	0	0	0.4	0.4	0.4	0.9	0	0.9	0	0	0	0
79-101	0.4	0	0.9	1.3	1.7	0	2.2	0.9	0	0	0	0
102-123	0	0.4	1.3	0.9	0	0	1.3	0.9	0.4	0.4	0	0
124-146	0	0.4	0	0.9	0	0	0	0	0	0	0	0
147-168	0.4	0	0.4	0.4	0.4	0	0	0	0	0	0	0
168-191	0.4	0	0.4	0.4	0.4	0.4	0	0	0.4	0	0	0
192-213	0	0	0.4	0	0	0	0	0	0	0	0	0
214-236	0	0	0.9	0.9	0	0	0	0	0	0	0	0
237-258	0	0	2.2	1.3	0	0	0.9	0	0	0	0	0
259-281	0	0	1.3	0.9	0.4	0.9	1.3	0.4	0	0.9	0	0
282-303	0	0.4	2.2	5.2	1.7	3.9	5.2	2.6	1.7	0.9	2.2	2.2
304-326	0	0	2.2	2.2	3.4	4.3	5.6	4.7	1.7	2.2	1.3	1.3
327-348	0	0.4	0.9	0.4	0.4	0	2.6	0.9	0.4	0	0	0.4



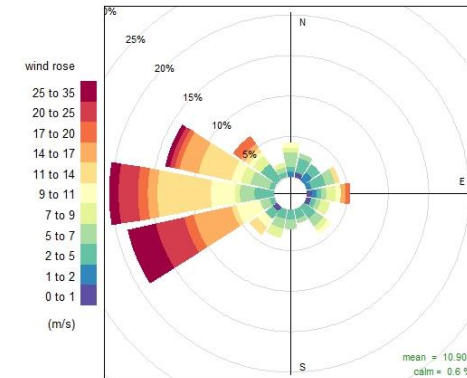
Frequency of counts by wind direction (%)

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	0.5	0	0	0.5	0	0.5	0	0
12-33		0	0.5	1.1	0.5	0	0	0	0	0	0	0
34-56		0.5	1.1	3.2	0.5	0	0	0	0	0	0	0
57-78		0.5	0	0	1.6	0.5	0.5	0.5	0	0	0	0
79-101		0	0.5	1.6	1.6	0	1.1	0.5	0	0	0	0
102-123		0	0	1.1	0.5	0.5	1.1	0	0	0	0	0
124-146		0	0	1.6	0	0.5	1.1	0	0	0.5	0	0
147-168		0	0	0	0.5	0.5	0	0	0	0	0	0
168-191		0	0	0	0.5	0	0.5	0	0	0	0	0
192-213		0	0	1.1	0	0	0.5	0	0	0	0	0
214-236		0	0	0	0	1.1	1.1	0	0	0	0	0
237-258		0	0	1.1	2.7	0.5	1.6	1.6	0	0.5	0	0
259-281		0	0.5	1.1	2.1	2.7	4.8	2.1	0	0	0	0.5
282-303		1.1	0	2.1	3.2	2.1	3.7	4.8	1.6	2.1	0.5	1.1
304-326		0.5	0	1.6	0.5	1.1	3.7	3.7	2.7	2.1	1.1	0
327-348		0.5	0	2.1	0.5	1.1	0.5	0.5	1.1	1.1	0	0



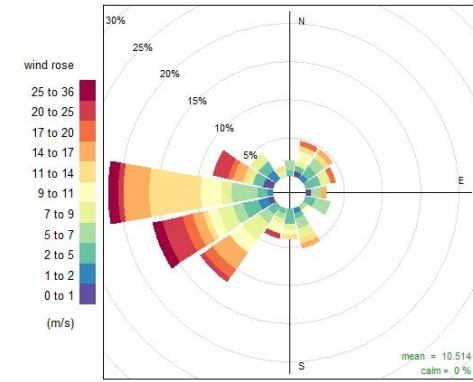
Frequency of counts by wind direction (%)

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	0.6	1.8	0.6	0.6	0	0	0	0	0
12-33		0.6	0	1.8	0.6	0	0	0	0	0	0	0
34-56		0	1.2	1.2	0	0	0	0	0	0	0	0
57-78		0	0.6	1.8	1.2	0	0	0.6	0	0	0	0
79-101		0.6	0.6	0.6	0.6	1.2	0.6	0	0.6	0.6	0	0
102-123		0.6	0	0.6	0.6	1.2	0	0	0	0	0	0
124-146		0	0	1.8	1.2	0.6	0.6	0	0	0	0	0
147-168		0	0	1.2	0.6	0	0	0	0	0	0	0
168-191		0	0	1.2	1.2	0	0	0	0	0	0	0
192-213		0	0	1.2	1.2	1.2	0	0	0	0	0	0
214-236		0.6	0	1.2	0	0	1.2	1.2	0	0	0	0
237-258		0	0	0.6	1.2	0	3	0.6	4.8	1.2	3.6	3.6
259-281		0	0	2.4	1.8	0.6	3	6.6	1.2	1.2	2.4	1.2
282-303		0	0	0.6	2.4	1.2	1.2	4.2	2.4	0.6	0.6	0.6
304-326	0	0	2.4	0	1.2	0.6	0.6	0.6	1.2	0	0	
327-348	0	0	0.6	0.6	0.6	0	0	0	0	0	0	

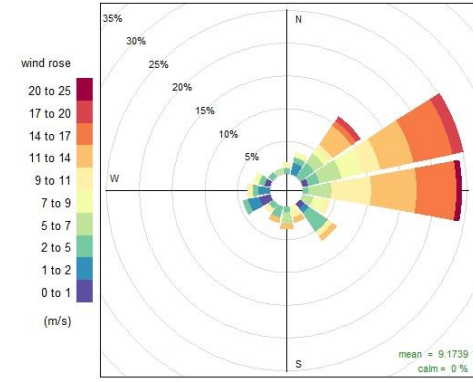


Frequency of counts by wind direction (%)

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	0	0	0.7	1.4	0	0	0	0	0	0	0	0
12-33	0.7	0	0.7	0	0.7	1.4	0.7	0	0	0.7	0	0
34-56	0	0.7	1.4	1.4	0	0	0.7	0.7	0	0	0	0
57-78	0	0	2	0	1.4	0	0	0	0	0.7	0	0
79-101	0.7	0	0	1.4	0	0	0	0	0.7	0	0	0
102-123	0	0	1.4	2	0	0	0	0	0	0	0	0
124-146	0	0	0	0.7	0	0.7	0	0	0	0	0	0
147-168	0	0.7	0.7	0.7	1.4	0	0.7	0.7	0	0	0	0
168-191	0	0	2	0.7	0.7	0.7	0.7	0	0	0	0	0
192-213	0	0	0.7	0.7	0.7	1.4	0	0	0	0	0.7	0
214-236	0	0	1.4	1.4	2.7	2	0	2.7	1.4	0.7	0	0
237-258	0.7	1.4	2	1.4	2	1.4	0.7	1.4	1.4	2.7	1.4	1.4
259-281	0	0.7	1.4	3.4	1.4	2.7	6.8	3.4	0	0.7	1.4	1.4
282-303	1.4	0	1.4	0	0.7	0	0.7	1.4	0.7	2	0	0
304-326	0	1.4	1.4	0	1.4	0	0	0	0	0	0	0
327-348	0	0	0	0	0.7	0	0.7	0	0	0	0	0

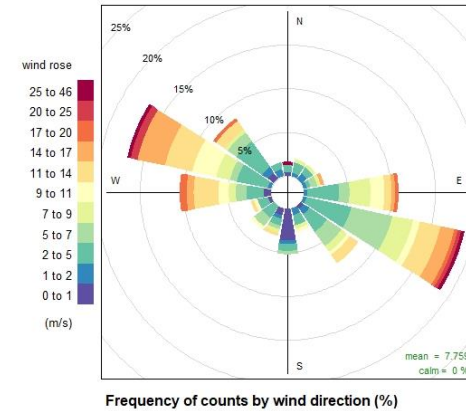


Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	0	0	0.9	0	0.9	0	0	0	0	0	0	0
12-33	0	1.7	0.9	0	0.9	0	0	0	0	0	0	0
34-56	0	0	2.6	1.7	0.9	0.9	3.5	0.9	0.9	0	0	0
57-78	0.9	0	1.7	3.5	3.5	2.6	5.2	6.1	1.7	0	0	0
79-101	0	0	0.9	3.5	0	6.1	7	6.1	0	0.9	0	0
102-123	0	0	0	1.7	1.7	0.9	0	0	0	0	0	0
124-146	0.9	0.9	3.5	0	0	0.9	0.9	0	0	0	0	0
147-168	0	0	0	0	0.9	0.9	0.9	0	0	0	0	0
168-191	0	0	0.9	1.7	0	0	0.9	0	0	0	0	0
192-213	0	0	1.7	0	0	0	0.9	0	0	0	0	0
214-236	0	0	0.9	0	0	0.9	0	0	0	0	0	0
237-258	1.7	1.7	0.9	0	0	0	0	0	0	0	0	0
259-281	0	1.7	0.9	0	0	0.9	0	0	0	0	0	0
282-303	0.9	0	0.9	0	0.9	0	0	0	0	0	0	0
304-326	0	0	0.9	0	0	0	0	0	0	0	0	0
327-348	0	0	0	0.9	0	0	0	0	0	0	0	0

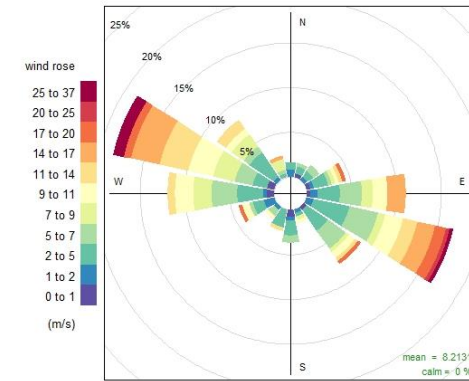


Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11												
12-33												
34-56												
57-78												
79-101												
102-123												
124-146												
147-168												
168-191												
192-213												
214-236												
237-258						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

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	0.8	0	0	0	0	0	0	0	0.4
12-33		0	0.4	1.2	0	0.4	0	0	0	0	0	0
34-56		0	0.8	0.8	0	0.4	0	0	0	0	0	0
57-78		0	0.4	0.4	0.8	0.4	0	0	0.4	0	0	0
79-101		0	0.4	3.6	1.2	2.4	1.6	0.8	0.4	0.4	0	0
102-123		0	0.4	5.2	4.8	2.4	0.8	2.4	1.6	0.4	0.4	0.4
124-146	0	0.4	0.8	2.4	2	0.8	0.4	1.2	0	0	0	0
147-168		0	0.8	0.8	0	0.4	0.4	0	0	0	0	0
168-191		3.6	0.4	1.2	0.4	0	0	0	0	0	0	0
192-213		0.8	0.4	0.8	0.4	0.4	0	0.4	0	0	0	0
214-236		0	0	1.6	1.2	0	0.4	0	0	0	0	0
237-258		0.4	0	1.2	0	0	0.4	0.4	0	0	0	0
259-281		0.8	0	2	1.2	0.8	1.2	2.8	0.8	0.8	0	0
282-303		0	0.4	3.6	0.8	1.6	2.8	3.2	3.2	0	0.8	0.4
304-326		0.8	0.8	3.6	1.2	0.4	0	1.2	0	0.4	0	0
327-348		0	0.8	0.8	0	0	0	0	0	0	0	0

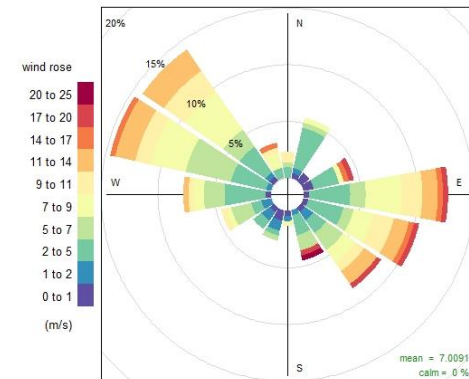


Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	0	0.8	0.8	0	0	0	0	0	0	0	0	0
12-33	0.4	0	0.8	0.4	0	0	0	0	0	0	0	0
34-56	0	0.4	0.8	0.8	0	0	0	0	0	0	0	0
57-78	0.4	0.4	1.6	0.4	0.4	0.4	0.4	0	0.4	0	0	0
79-101	0.4	0.8	2.5	2.5	1.2	1.6	0	2	0	0	0	0
102-123	0	0.8	4.1	3.3	0.8	2	1.6	2	1.2	0.4	0.4	0
124-146	0.4	0	2.9	2.5	0.4	0.8	0.4	0	0.4	0	0	0
147-168	0	0.4	0.4	0	0.4	0.4	0	0	0	0	0	0
168-191	0.8	0.4	1.6	0.8	0	0	0	0	0	0	0	0
192-213	0	0	2	0	0	0	0.4	0	0	0	0	0
214-236	0	0.4	0	0.8	0	0.4	0	0	0	0	0	0
237-258	0	1.2	1.2	0.4	0	0.8	0	0	0.4	0	0	0
259-281	0.8	0.4	2.9	2.9	2	2	0.8	0	0	0	0	0
282-303	0.8	0	1.6	2	2.5	2.9	3.3	3.3	0.8	0	1.2	0
304-326	0	0.4	3.3	0.8	1.6	0.8	1.2	0	0	0	0	0
327-348	0	0	0.4	0.4	1.2	0	0	0.4	0	0	0	0



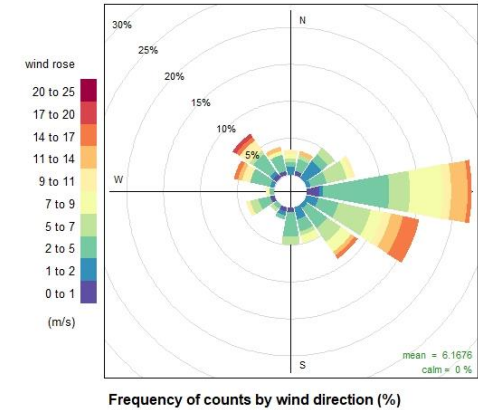
Frequency of counts by wind direction (%)

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	0.9	0.5	0	0.9	0	0	0	0	0	0
12-33	0.5	0.5	3.6	0.5	0.5	0	0	0	0	0	0	0
34-56	0.9	0	0	0	0	0	0	0	0	0	0	0
57-78	0.9	0	2.3	0	0.5	0	0	0.5	0.5	0	0	0
79-101	0.5	0	3.6	1.4	3.2	1.8	1.4	0.5	0.5	0	0	0
102-123	0.5	0	3.2	0.9	1.8	1.8	1.4	0.5	0.5	0	0	0
124-146	0.5	0.9	1.4	1.8	1.4	0.9	1.4	0	0.5	0	0	0
147-168	0	0.5	1.8	1.4	0	0	0	0	0.5	0.5	0	0
168-191	0.5	0.5	0	0	0.5	0	0	0	0	0	0	0
192-213	0.9	0.9	0.5	0.5	0	0	0	0	0	0	0	0
214-236	0.5	0.9	0.9	0	0	0	0	0	0	0	0	0
237-258	0	0.9	0.9	1.8	0.5	0.5	0	0	0	0	0	0
259-281	0.5	0	3.6	1.8	0.9	0.5	0.5	0	0	0	0	0
282-303	0	0.5	3.2	4.1	3.2	1.4	1.8	0.5	0	0	0	0
304-326	0.5	0.5	2.7	1.8	4.1	2.3	2.3	0	0	0	0	0
327-348	0	0	0.9	0	1.4	0.5	0	0.5	0	0	0	0

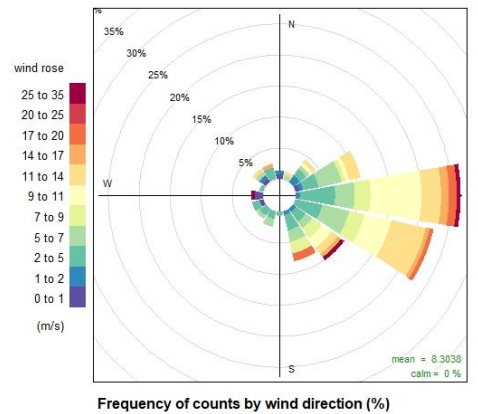


Frequency of counts by wind direction (%)

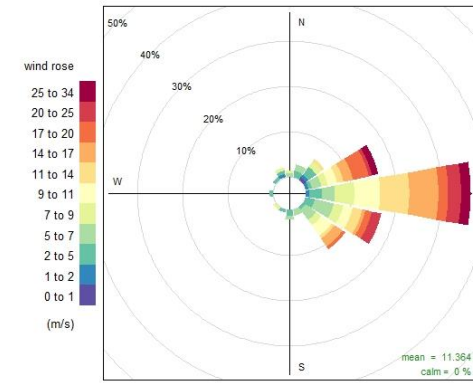
Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	0	1.1	0.6	0.6	0.6	0.6	0.6	0	0	0	0	0
12-33	0.6	0	1.7	0.6	0	0	0.6	0	0	0	0	0
34-56	0	2.8	1.1	1.1	0	0	0	0	0	0	0	0
57-78	0	0.6	2.2	2.8	0.6	0.6	0	0	0	0	0	0
79-101	1.7	0.6	8.9	2.8	4.5	1.1	2.2	0.6	0	0	0	0
102-123	0	1.7	2.8	4.5	1.7	1.1	1.7	2.2	0	0	0	0
124-146	0	0.6	3.4	2.2	1.7	0	0.6	0.6	0	0	0	0
147-168	0	1.7	1.7	0.6	1.1	0	0	0	0	0	0	0
168-191	0.6	0	3.4	1.1	0	0	0	0	0	0	0	0
192-213	0.6	0.6	0.6	0	0	0	0	0	0	0	0	0
214-236	0	0	0.6	0.6	0	0	0	0	0	0	0	0
237-258	0.6	0	1.7	1.1	0	0.6	0	0	0	0	0	0
259-281	0	0	0.6	0	0.6	0	0	0	0	0	0	0
282-303	0	0.6	2.8	0	0	1.1	0.6	0.6	0	0	0	0
304-326	0.6	0.6	2.8	0.6	0	1.7	0	0.6	0.6	0	0	0
327-348	0.6	0	2.2	0	0.6	0	0.6	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	0.6	0.6	0	0	0	0	0	0	0	0	0	0
12-33	0	0	0	0.6	0	0	0.6	0	0	0	0	0
34-56	0	1.3	1.3	0.6	0	0.6	0.6	0	0	0	0	0
57-78	0.6	0.6	2.5	3.8	0.6	0.6	1.9	0	0	0	0	0
79-101	0	0.6	5.7	3.2	2.5	8.2	3.2	1.3	1.3	0	0.6	0
102-123	0	0	4.4	4.4	2.5	4.4	5.7	0.6	0.6	0	0	0
124-146	0	0.6	1.9	1.3	1.9	1.9	1.3	0.6	0	0	0	0.6
147-168	0	0.6	2.5	1.9	1.9	0	0	0	1.3	0	0	0
168-191	0	0	0.6	0	0	0	0	0	0	0	0	0
192-213	0	0	1.3	1.3	0	0	0	0	0	0	0	0
214-236	0	0	1.3	0.6	0	0	0	0	0	0	0	0
237-258	0.6	0	1.3	0	0	0	0	0	0	0	0	0
259-281	1.3	0	0	0	0	0	0	0	0	0	0	0.6
282-303	0	0	0.6	0	0	0	0	0	0	0	0	0
304-326	0.6	0.6	0	0.6	0	0	0.6	0	0	0	0	0
327-348	0	0	1.9	0	0	0	0	0	0.6	0	0	0

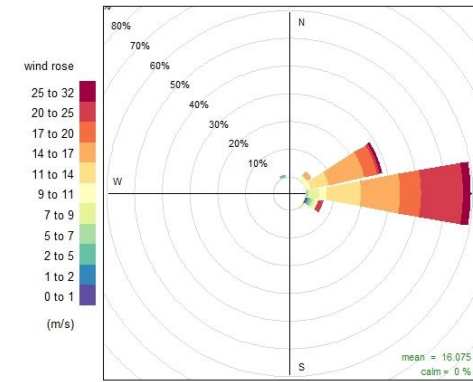


Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	0	0	0	0.7	0.7	0	0	0	0	0	0	0
12-33	0	0	1.4	1.4	0	0	0	0	0	0	0	0
34-56	0.7	0.7	2.1	0	1.4	0	0.7	0	0	0	0	0
57-78	0	0.7	0.7	2.1	1.4	2.1	1.4	2.1	3.6	0.7	1.4	0
79-101	0	0.7	2.9	2.9	4.3	5.7	6.4	6.4	2.1	2.9	2.1	0
102-123	0	0	2.1	4.3	2.1	2.1	2.1	0.7	1.4	2.1	0	0
124-146	0	0	0.7	2.9	1.4	2.9	0.7	2.1	0.7	0	0	0
147-168	0	0	0	1.4	0	0	0	0	0	0	0	0
168-191	0	0	1.4	0.7	0	0	0	0	0	0	0	0
192-213	0	0	0.7	0	0	0	0	0	0	0	0	0
214-236	0	0	0	0	0.7	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	0.7	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	0.7	0	0	0	0	0	0	0	0	0
327-348	0	0.7	0.7	0	0.7	0	0	0	0	0	0	0



Frequency of counts by wind direction (%)

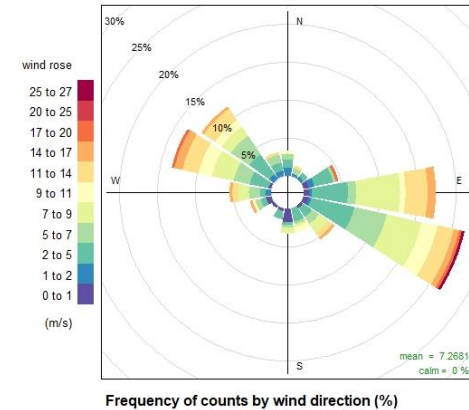
Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	0	0	0	0	0	0	0	0	0	0	0	0
12-33	0	0	0	0	0	0	0	0	0	0	0	0
34-56	0	0	0	0	0	0	1.9	0	1.9	0	0	0
57-78	0	0	0	0	0	0	1.9	6.6	13.2	4.7	0.9	0.9
79-101	0	0	0	0.9	3.8	2.8	12.3	14.2	7.5	15.1	2.8	0
102-123	0.9	0	0.9	0.9	0.9	0.9	0	0	0	1.9	0	0
124-146	0	0	0	0	0	0	0.9	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	0.9	0	0	0	0	0	0	0	0	0



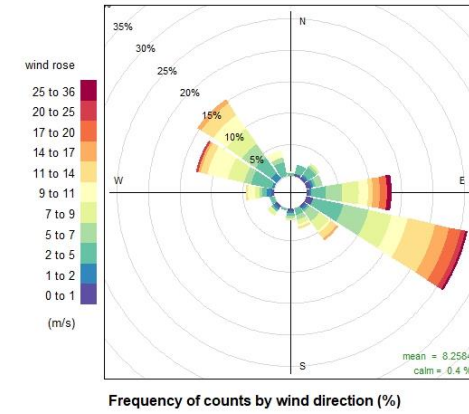
Frequency of counts by wind direction (%)

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												
12-33												
34-56												
57-78												
79-101												
102-123												
124-146												
147-168												
168-191												
192-213												
214-236												
237-258												
259-281												
282-303												
304-326												
327-348												

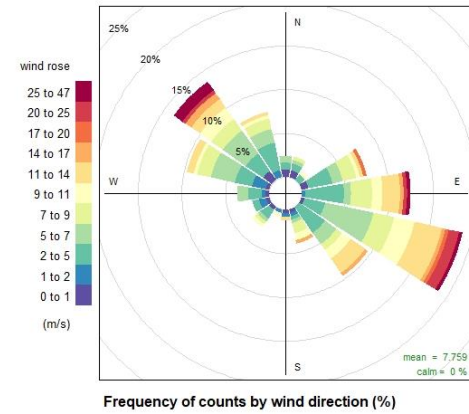
Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11		0	1.1	1.1	0.7	0	0.4	0	0	0	0	0
12-33		0	0.4	0	0.7	0	0	0.4	0	0	0	0
34-56		0	0.4	0.7	0	0	0	0	0	0	0	0
57-78		0.7	0.7	2.5	0.4	0	0	0	0	0.4	0	0
79-101		0.7	0.4	4.7	1.1	5.8	0.7	2.9	1.1	0	0	0
102-123		0.7	0.4	5.8	4.3	4.7	2.2	2.2	0.7	0.4	0	0.4
124-146		0.4	0	1.4	1.1	1.4	0	0.7	0.4	0	0	0
147-168	0	0	0	1.8	0.4	0.4	0.7	0	0	0	0	0
168-191		1.8	0	0.4	0.4	0.7	0	0	0	0	0	0
192-213		0.4	0	1.1	0	0	0	0	0	0	0	0
214-236		0.4	0	0	0	0	0	0	0	0	0	0
237-258		0.7	0	0.7	0.7	0	0.4	0	0.4	0	0	0
259-281		0	0.7	0.7	1.4	1.4	0	0.7	0.4	0	0	0
282-303		0.4	0	2.5	2.2	2.9	1.8	2.2	1.1	0.4	0	0
304-326		0	0.7	3.3	2.9	1.4	1.1	1.8	0.4	0	0	0
327-348		0	0.7	1.1	1.1	0	0	0.4	0	0	0	0



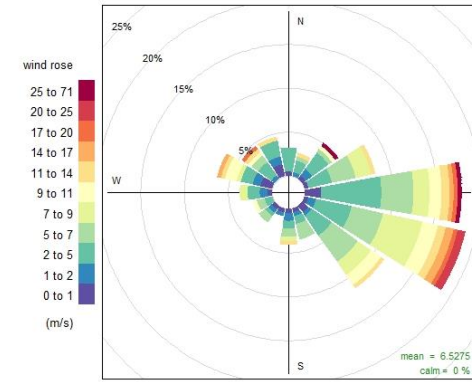
Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	0	0	0.4	0	0	0.4	0	0	0	0	0	0
12-33	0.4	0	1.5	0	0	0	0	0	0	0	0	0
34-56	0.4	0.4	1.5	0.4	0.4	0	0	0	0	0	0	0
57-78	0.7	0.4	0.4	1.1	0	0	0	0	0	0	0	0
79-101	0.4	0.4	2.2	2.6	2.6	1.5	0.7	1.1	1.1	0	0.7	0
102-123	1.1	0	4.9	4.1	3.7	2.6	4.5	2.2	1.9	0.7	0.4	0
124-146	0.4	0.4	0.4	1.9	1.9	0.4	1.1	0.4	0	0	0	0
147-168	0	0	1.1	0.7	0.4	0.4	0.4	0	0	0	0	0
168-191	0.4	0.4	0.4	0.4	0.7	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	0.4	0.4	0	0.7	0	0	0	0	0	0	0
237-258	0	0	0.7	0	0	0	0	0	0	0	0	0
259-281	0.4	0.7	0.7	0.4	0.7	1.1	0.4	0	0	0	0	0
282-303	0	0.4	3.4	1.1	2.6	3.4	1.1	0.4	0	0.4	0	0
304-326	0	1.1	3	2.6	3	2.6	2.2	0.7	0	0	0	0
327-348	0	0	2.2	0.7	0	1.1	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	0.8	0	0.8	0.8	0	0	0	0	0	0	0	0
12-33	0.8	0	0.8	0.4	0.4	0	0	0	0	0	0	0
34-56	0	0	0.8	0	0	0.4	0	0	0	0	0	0
57-78	0.8	0	2.8	1.2	1.6	0.4	0.4	0	0.4	0	0	0
79-101	0	0.4	4.4	0.8	2.4	1.2	2	0.4	0	0.4	0.4	0
102-123	0.4	0	2.4	5.6	2.4	2.4	3.2	0.4	0.4	1.2	0.4	0
124-146	0	0	3.6	1.6	0.8	1.2	2	0.4	0	0	0	0
147-168	0.4	0.4	0.4	0.4	1.2	0.8	0	0.4	0	0	0	0
168-191	0.4	0.4	0	0	0	0	0.4	0	0	0	0	0
192-213	0	0.4	0	0	0	0.4	0	0	0	0	0	0
214-236	0.4	0	1.2	0.4	0.4	0.4	0	0	0	0	0	0
237-258	0.4	0.8	0.8	0	0	0	0	0	0	0	0	0
259-281	0.4	0.4	1.6	1.2	0	0	0	0	0	0	0	0
282-303	0.4	1.6	2	2.8	1.6	0.4	0.8	0	0	0	0	0
304-326	1.2	0	2.4	3.2	1.6	1.6	1.2	0.8	0	0.4	1.2	0
327-348	0	0.8	3.2	1.6	1.2	0.4	0.4	0	0	0	0	0

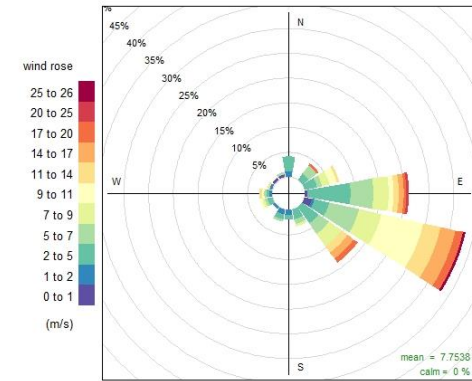


Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	0	0.5	0	2.8	0	0	0	0	0	0	0	0
12-33		0	0.5	1.4	0.5	0	0	0.5	0	0	0	0
34-56		0.5	0.9	2.3	0.5	0	0.5	0	0	0	0	0.5
57-78		0.5	0	2.8	2.8	1.8	0	0.5	0	0	0	0
79-101		1.8	0	6.9	3.7	1.8	1.4	0.9	0.5	0.5	0	0.5
102-123		0.5	0.9	4.1	3.7	4.6	1.8	0.9	0.9	0.5	0.9	0
124-146		0.9	0.5	2.8	3.7	1.8	1.4	0.5	0	0	0	0
147-168		0.5	0.5	0.9	1.8	0	0	0	0	0	0	0
168-191		0.5	0.9	0.9	0.9	0.5	0	0.5	0	0	0	0
192-213		0.5	0.5	0	0	0	0	0	0	0	0	0
214-236		0.5	0.5	0.5	0.9	0	0	0	0	0	0	0
237-258		0	0	0.9	0.9	0	0.5	0	0	0	0	0
259-281		0.5	0.9	1.4	0	0.9	0	0	0	0	0	0
282-303		1.4	0.9	1.4	0	0.5	1.4	0.5	0.5	0	0	0
304-326		0	0.5	1.8	0.9	0	0.5	0.5	0	0.5	0	0
327-348		1.4	0.9	1.8	0	0	0	0.5	0	0	0	0



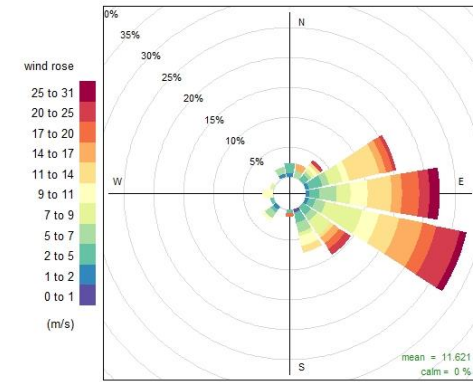
Frequency of counts by wind direction (%)

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	1	3.1	0	0	0	0	0	0	0	0
12-33		0	0	0	0	0	0	0	0	0	0	0
34-56		0	0	1.5	2.1	0	0	0	0	0.5	0	0
57-78		0	0	2.6	1	1.5	1.5	0.5	0	0	0	0
79-101		0.5	0	8.7	4.6	3.1	1	1	1	0.5	0.5	0
102-123		1.5	0.5	3.1	6.2	4.6	8.7	3.6	3.1	1.5	0	0.5
124-146		0	0	4.1	2.6	3.1	0	1.5	1.5	1	0	0
147-168		0	0	2.1	1	0.5	0	0	0	0	0	0
168-191		0	1	1	0	0	0	0	0	0	0	0
192-213		0	1	1	0.5	0	0	0	0	0	0	0
214-236		0	0.5	0	0	0	0	0	0	0	0	0
237-258		0	0	1	0.5	0.5	0.5	0	0	0	0	0
259-281		0	0.5	0.5	0.5	0	0.5	0.5	0	0	0	0
282-303		0	0.5	0	0	0	0	0	0.5	0	0	0
304-326		0.5	0	0	0	0	0	0	0	0	0	0
327-348		0.5	0	0	0.5	0	0	0	0	0	0	0



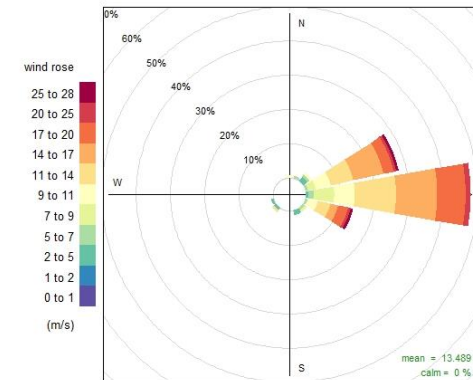
Frequency of counts by wind direction (%)

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	0.6	1.7	0	0	0	0	0	0	0	0	0
12-33	0	0	0	1.1	0	0	0	1.1	0	0	0	0
34-56	0	0	1.1	0.6	0.6	0.6	0.6	0	0	0.6	0	0
57-78	0	0.6	2.3	1.1	2.3	1.1	5.2	1.1	1.1	0.6	0	0
79-101	0	0.6	1.7	2.9	2.3	2.9	4	1.7	2.9	1.7	1.7	0
102-123	0	0.6	1.1	1.7	6.3	2.9	3.4	4	2.3	4	1.1	0
124-146	0	0	1.7	1.1	2.9	0	0.6	1.1	1.1	1.1	0	0
147-168	0.6	0	1.7	1.7	0.6	1.7	1.1	0	0	0	0	0
168-191	0	0	0.6	0	0	0	0	0	0.6	0	0	0
192-213	0	0	0	0	0	0	0	0	0	0	0	0
214-236	0	0.6	0.6	1.1	0	0.6	0	0	0	0	0	0
237-258	0	0	0.6	0	0	0	0	0	0	0	0	0
259-281	0	0	0	0	0	0	1.7	0	0	0	0	0
282-303	0	0	0	0	0.6	0	0	0	0	0	0	0
304-326	0	0	0	0	0	0	0	0	0	0	0	0
327-348	0	0.6	0	1.1	0	0	0	0	0	0	0	0



Frequency of counts by wind direction (%)

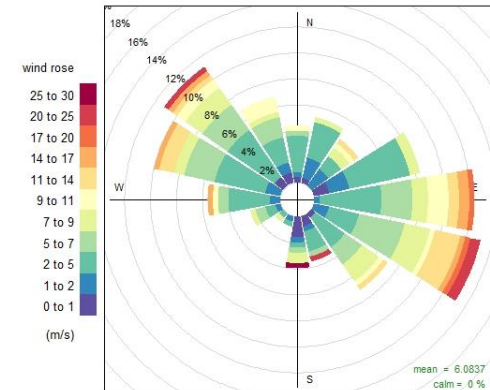
Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	0	0	0	0	0	0	0.8	0	0	0	0	0
12-33	0	0	0	0.8	0	0	0	0	0	0	0	0
34-56	0	0	1.5	0.8	0	0.8	0	0	0	0	0	0
57-78	0	0	0	0.8	2.3	4.5	6.8	9	3	0.8	0.8	0
79-101	0	0	0.8	1.5	6	6	12	12	8.3	1.5	0	0
102-123	0	0	0	0.8	0	3	3.8	2.3	3	0.8	0.8	0
124-146	0	0	0	0.8	0.8	0	0	0	0	0	0	0
147-168	0	0	1.5	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	0.8	0	0	0	0.8	0	0	0	0	0
237-258	0	0	0.8	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 (%)

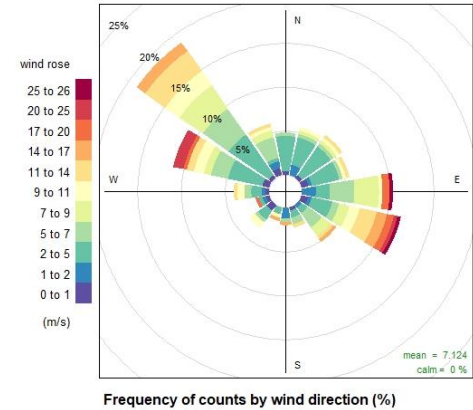
Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11												
12-33												
34-56												
57-78												
79-101												
102-123												
124-146												
147-168												
168-191												
192-213												
214-236												
237-258						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

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	2.8	0.4	0	0.4	0	0	0	0	0
12-33		0.4	1.6	2.8	0	0.4	0	0	0	0	0	0
34-56		0	1.6	1.2	0	0.8	0.4	0.4	0	0	0	0
57-78		1.2	1.6	4.8	0	0.8	0	0	0	0	0	0
79-101		0	0.4	4.8	2.4	1.2	1.6	0.8	0.8	0.4	0	0
102-123		0	1.2	2.4	3.6	2	0.4	2	0.4	0.4	0.8	0
124-146		0.4	0	2.8	1.6	1.6	0.4	0.4	0	0	0	0
147-168	0	0.8	0.4	1.6	0.4	0	0	0	0	0	0.4	0
168-191		1.6	0.4	0.4	0.4	0.8	0	0	0	0	0	0.4
192-213		0	0.4	0.4	0	0	0	0	0	0	0	0
214-236		0	0	0.4	0	0.4	0	0	0	0	0	0
237-258		0	0.4	0.8	0.8	0.4	0	0	0	0	0	0
259-281		0	0.8	3.2	0.8	0	0.4	0	0.4	0	0	0
282-303		0	1.2	4	2.4	0.8	0	1.2	0.4	0	0	0
304-326		0.8	0	4.4	2.4	1.6	0.8	0.4	0.4	0	0.4	0
327-348		0.8	0.8	2	1.6	0.4	1.2	0	0	0	0	0

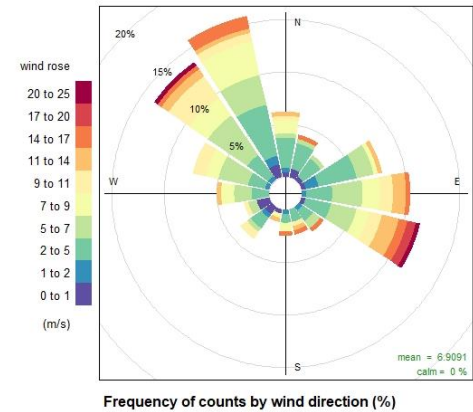


Frequency of counts by wind direction (%)

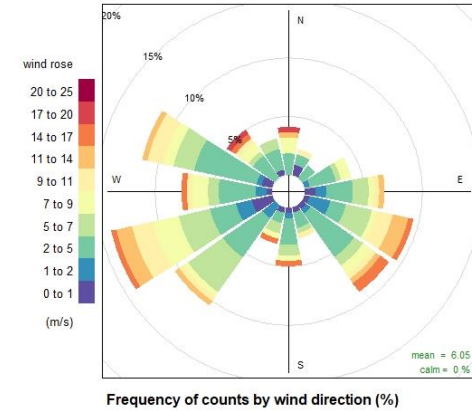
Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11		0.4	0	4	0.4	0	0	0	0	0	0	0
12-33		0	1.2	3.2	0.4	0.4	0.4	0	0	0	0	0
34-56		0.4	0	4	0.4	0.4	0.4	0.4	0	0	0	0
57-78		0.8	0.4	3.2	0.4	0	0.4	0.4	0	0	0	0
79-101		0	1.6	1.6	2.8	2.8	0.4	0	0	0.8	0	0.4
102-123		0.8	0.4	2.4	0.8	1.2	1.2	2	1.2	0.8	0.4	0.4
124-146		0	0.4	0.8	2	1.2	0	0.4	0.4	0	0	0
147-168	0	0.4	0	0.8	0.8	0	0	0.4	0	0	0	0
168-191		0	1.2	0	0.4	0	0	0	0.4	0	0	0
192-213		0	0	0.8	0	0	0.4	0	0.4	0	0	0
214-236		0.8	0	1.2	0.4	0	0.8	0	0	0	0	0
237-258		0.4	0.4	0.4	0	0	0	0	0	0.4	0	0
259-281		0.4	0.4	1.2	0.8	0	0.8	0.4	0	0	0	0
282-303		0.8	0	4	2	0.8	1.2	0.8	0	0.4	1.2	0
304-326		0.4	0	5.6	3.6	3.2	2	2.8	1.2	0	0	0
327-348		0.8	0.8	0.4	2.4	0.8	0.4	0.4	0	0	0	0



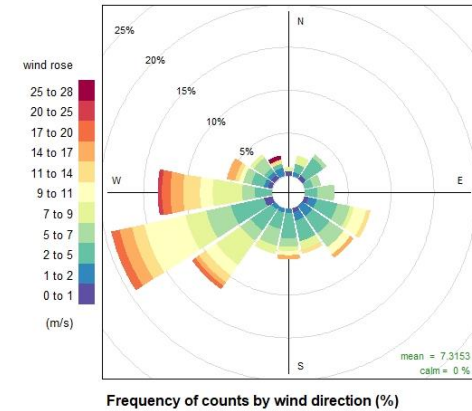
Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11		0.4	0.4	2.9	0.4	1.2	0.4	0.4	0	0	0	0
12-33		0.8	0	2.5	0.4	0	0	0	0.4	0	0	0
34-56		0.4	0	2.1	0.4	0	0	0	0	0	0	0
57-78		0.4	1.2	3.7	1.7	0.4	0	0.4	0	0	0	0
79-101		0	0.4	2.5	2.9	1.7	1.2	1.2	0.4	0	0	0
102-123		0.4	0	2.5	2.5	1.2	1.2	1.7	0.8	0.8	0.4	0
124-146		0	0.4	1.2	0.8	0	0	0	0.4	0	0	0
147-168	0	0	0	1.2	0	0	0.4	0.4	0.4	0	0	0
168-191		0	0.4	0.8	0	0.8	0	0	0.4	0	0	0
192-213		0.4	0	0	0	0.4	0	0.4	0	0	0	0
214-236		0.8	0.4	1.2	0.4	0	0.8	0	0	0	0	0
237-258		1.2	0	0	0.8	0	0.4	0	0	0	0	0
259-281		0	0	1.7	1.7	1.2	0	0.4	0	0	0	0
282-303		0	0.4	1.7	2.9	1.2	1.2	0	0	0	0	0
304-326		0	0.4	2.5	4.5	2.1	2.5	0.8	0.4	0	0.4	0
327-348		1.2	0.8	5	2.9	3.3	0.8	0.4	1.2	0	0	0



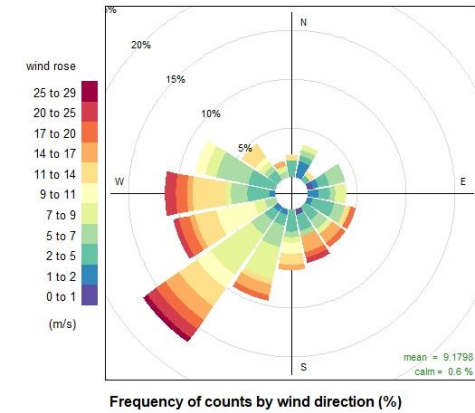
Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	0	0	1.8	0	1.4	0	0.5	0	0.5	0	0	0
12-33	0.9	0	0.9	0	0	0.5	0	0	0	0	0	0
34-56	0	0	1.4	0	0	0	0	0	0	0	0	0
57-78	0	0.5	2.3	0.5	0.9	0	0	0	0	0	0	0
79-101	0.9	0.9	2.3	1.4	0.5	0.5	0.5	0	0	0	0	0
102-123	0.5	1.8	1.4	2.3	0.5	1.4	1.4	0.5	0	0	0	0
124-146	0.5	0.5	4.5	0.9	0.9	0.5	0.5	0.9	0	0	0	0
147-168	0.5	0	1.4	0.5	0	0.5	0	0	0	0	0	0
168-191	0.5	0.5	2.3	0.9	0.5	0	0	0.5	0	0	0	0
192-213	0.5	0	0.9	0.9	0.5	0	0	0.5	0	0	0	0
214-236	0	1.4	4.1	3.6	0.5	0.5	0.5	0	0	0	0	0
237-258	1.8	1.4	2.3	2.7	2.3	1.8	1.4	0.5	0	0	0	0
259-281	0.5	0.9	3.2	0.9	1.4	0.5	0	0.5	0	0	0	0
282-303	0.9	0.5	5.5	1.8	0.9	1.4	0.5	0	0	0	0	0
304-326	0	0	2.3	0.5	0.9	0.5	0	0.5	0.5	0	0	0
327-348	0.5	0	1.8	0.9	0	0	0	0	0	0	0	0



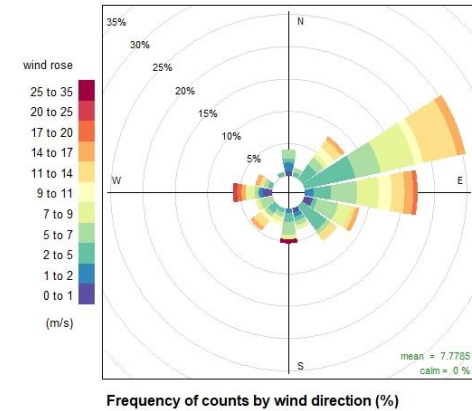
Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	0.5	0	0	0	0.5	0	0	0	0	0	0	0
12-33	0	0.5	1	0	1	0	0	0	0	0	0	0
34-56	0.5	0	2.5	0.5	0	0	0	0	0	0	0	0
57-78	0	0	1	1	0	0	0	0	0	0	0	0
79-101	0	0	1.5	2	0	0	0	0	0	0	0	0
102-123	0.5	1	2.5	1.5	0.5	1.5	0.5	0	0	0	0	0
124-146	0	1.5	2.5	2	0	1	0	0.5	0	0	0	0
147-168	0.5	0.5	2.5	0	0.5	0	0.5	0	0	0	0	0
168-191	0	1	3	1	1	0.5	0	0.5	0	0	0	0
192-213	0	0.5	2	2	1	0	0	0	0	0	0	0
214-236	0	0.5	3	1.5	3.4	1.5	1	0.5	0.5	0	0	0
237-258	1	0	3.9	3	2.5	4.9	1.5	1.5	1	0	0	0
259-281	0	0	2	1.5	3.4	1.5	2	1.5	1	0.5	0	0
282-303	0.5	0.5	1.5	1	0	0.5	0.5	1	0	0	0	0
304-326	0.5	0.5	0.5	1.5	0.5	0	0	0	0	0	0	0
327-348	0	1	0.5	0	0	0	0.5	0	0	0	0	0.5



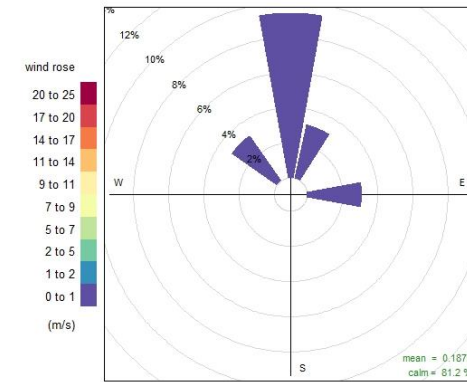
Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	0	0	1.7	0	0	0	0	0.6	0	0	0	0
12-33	0	1.7	0.6	0.6	0.6	0	0	0	0	0	0	0
34-56	0	0	0.6	0	0	0	0	0.6	0	0	0	0
57-78	0.6	0.6	1.1	1.7	0	0	0	0	0	0	0	0
79-101	0	1.1	1.1	0.6	1.1	0	0	0	0	0	0	0
102-123	0	0.6	2.2	1.1	0	0	0	0.6	0	0.6	0	0
124-146	0	0	1.7	1.1	0.6	0	0	1.1	0.6	0	0	0
147-168	0.6	0	1.7	0.6	0	0	0	1.7	0.6	0.6	0	0
168-191	0	0	2.2	0.6	0.6	1.1	1.1	0.6	0	0	0	0
192-213	0	0.6	1.1	2.2	3.4	0	0.6	1.1	0.6	0	0	0
214-236	0	0.6	1.1	1.7	5.1	1.7	2.2	1.7	1.1	1.1	1.1	0.6
237-258	0	0	0	1.1	1.1	3.9	2.2	0.6	1.1	0.6	0	0
259-281	0	0.6	2.2	1.7	0.6	0	3.4	0.6	1.1	1.1	0	0
282-303	0	0	2.8	3.4	1.1	1.1	0	0	0	0	0	0
304-326	0	0	1.1	0.6	0.6	0.6	1.7	0	0	0	0	0
327-348	0	0	0	0.6	0.6	0	0	0.6	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	0.7	1.3	0.7	1.3	0	0	0	0	0	0	0	0
12-33	0	0	0.7	0.7	0	0	0	0	0	0	0	0
34-56	0	0	2.7	1.3	0.7	1.3	1.3	0.7	0	0	0	0
57-78	0	0	8.1	4	5.4	1.3	5.4	1.3	0	0	0	0
79-101	0	1.3	2.7	4	3.4	2	2	1.3	0.7	0	0	0
102-123	1.3	0	0.7	3.4	2	0	0.7	0.7	0	0	0	0
124-146	0	0	4.7	0.7	0	0	1.3	0	0	0	0	0
147-168	0.7	0.7	0.7	0.7	0.7	0	0	0	0	0	0	0
168-191	0	0.7	1.3	2	0.7	0	0	0	0	0	0	0.7
192-213	0	0	0.7	0.7	0.7	0.7	0	0	0	0	0	0
214-236	0	0	1.3	0.7	0	0.7	1.3	0.7	0	0	0	0
237-258	0	0	0	2	0.7	0	0	0	0	0	0	0
259-281	1.3	0.7	0	0.7	1.3	0	0	0.7	0.7	0.7	0	0
282-303	0	0	0.7	0.7	0	0	0.7	0.7	0	0	0	0
304-326	0	0	0	0	0	0	0	0	0	0	0	0
327-348	0	0	0.7	0	0	0	0	0	0	0	0	0

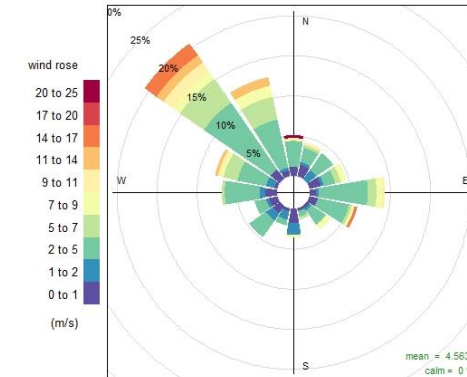


Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	81	9.4	0	0	0	0	0	0	0	0	0	0
12-33		3.1	0	0	0	0	0	0	0	0	0	0
34-56		0	0	0	0	0	0	0	0	0	0	0
57-78		0	0	0	0	0	0	0	0	0	0	0
79-101		3.1	0	0	0	0	0	0	0	0	0	0
102-123		0	0	0	0	0	0	0	0	0	0	0
124-146		0	0	0	0	0	0	0	0	0	0	0
147-168		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		3.1	0	0	0	0	0	0	0	0	0	0
327-348		0	0	0	0	0	0	0	0	0	0	0



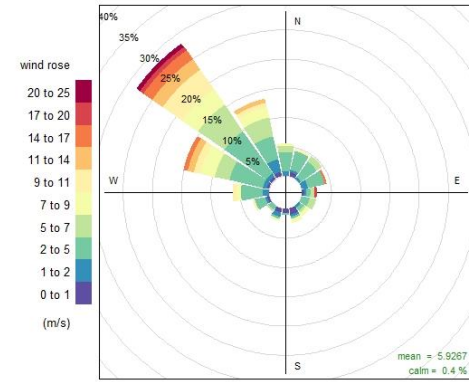
Frequency of counts by wind direction (%)

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	1.1	0	3.2	0	0	0.4	0	0	0	0.4	0
12-33		1.4	0.4	1.8	0.4	0	0.4	0	0	0	0	0
34-56		0	1.4	2.5	0	0	0	0	0	0	0	0
57-78		1.4	0.4	1.4	0.7	0.7	0	0	0	0	0	0
79-101		0.7	0.4	6.1	1.1	0.7	0.4	0	0	0	0	0
102-123		1.1	0	4	0.4	0.4	0	0	0.4	0	0	0
124-146		0.4	0.4	2.2	0	0.7	0	0	0	0	0	0
147-168		0.4	0	0.7	0.4	0	0	0	0	0	0	0
168-191		1.8	1.4	0	0	0.4	0	0	0	0	0	0
192-213		0.4	1.1	0.7	0	0	0	0	0	0	0	0
214-236		1.1	1.1	2.5	0	0	0	0	0	0	0	0
237-258		1.1	0.4	1.4	0	0	0	0	0	0	0	0
259-281		1.4	0.7	4.3	0.4	0	0	0	0	0	0	0
282-303		0.4	1.1	3.6	1.8	0.4	0.4	0.4	0	0	0	0
304-326		1.4	0	10.1	3.6	1.1	1.4	1.1	1.8	0	0	0
327-348		0.7	0.4	6.1	2.9	1.4	0	1.1	0	0	0	0



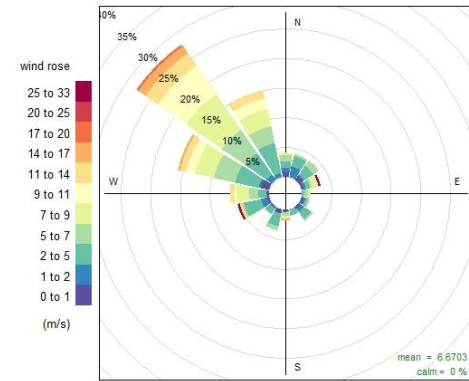
Frequency of counts by wind direction (%)

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	3.3	1.1	0.4	0	0	0	0	0	0	0
12-33	0.7	0.4	3.3	0	0	0.4	0	0	0	0	0	0
34-56	0	0.4	3.3	1.1	0	0	0	0	0	0	0	0
57-78	0	1.1	2.9	0	0	0	0	0.4	0	0	0	0
79-101	0.4	0.4	0.7	0.7	0	0	0	0	0.4	0	0	0
102-123	0	0	1.5	1.1	0	0	0	0	0	0	0	0
124-146	0	0.4	0.7	0.4	0.7	0	0	0	0	0	0	0
147-168	1.1	0.4	0.4	0	0.7	0	0	0	0	0	0	0
168-191	0.7	0	0.4	0	0	0	0	0	0	0	0	0
192-213	0.7	0.7	0.4	0	0.4	0	0	0	0	0	0	0
214-236	0	0	0.7	0.4	0	0	0	0	0	0	0	0
237-258	0.4	0.4	1.8	0	0	0.4	0	0	0	0	0	0
259-281	0	1.1	3.7	0	0.7	0.7	0	0	0	0	0	0
282-303	0.4	0.7	5.9	2.6	2.6	1.1	1.1	0.7	0	0	0	0
304-326	0.4	0.7	8.8	5.5	3.3	4	2.2	1.8	0.7	0.7	0	0
327-348	0.7	2.2	4	3.3	1.8	0.7	0.7	0	0	0	0	0



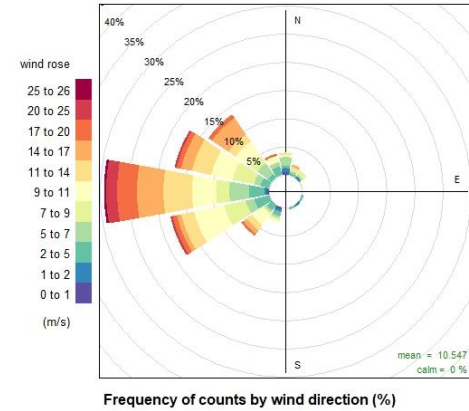
Frequency of counts by wind direction (%)

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	0.7	0.7	1.1	1.1	0.4	0	0	0	0	0	0	0
12-33	0	1.8	1.8	0.4	0	0	0	0	0	0	0	0
34-56	0.7	0.4	1.8	1.1	0	0	0	0	0	0	0	0
57-78	0.4	0.4	0.7	0.4	1.1	0	0	0	0	0	0	0.4
79-101	0	0	0.4	0.7	0.4	0	0	0	0	0	0	0
102-123	0.4	0.4	0.4	0.4	0	0	0	0	0	0	0	0
124-146	0.4	0.7	1.5	0.4	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	0.4	0	0.4	0.7	0.4	0	0	0.4	0	0	0	0
192-213	0.7	0	2.2	0.7	0	0	0	0	0	0	0	0
214-236	0	0.4	1.1	0	0	0	0	0	0	0	0	0
237-258	0.4	1.1	2.9	0.4	0	0	0.4	0	0	0	0	0.4
259-281	0.4	0	1.5	1.5	2.2	0.4	0.7	0	0	0	0	0
282-303	1.5	0.4	4	3.7	3.3	1.5	1.1	0.4	0	0	0	0
304-326	0	1.1	4.4	4.8	7.3	5.9	2.6	1.5	0.4	0	0	0
327-348	0	0.7	5.1	2.9	2.9	1.8	1.5	0	0	0	0	0

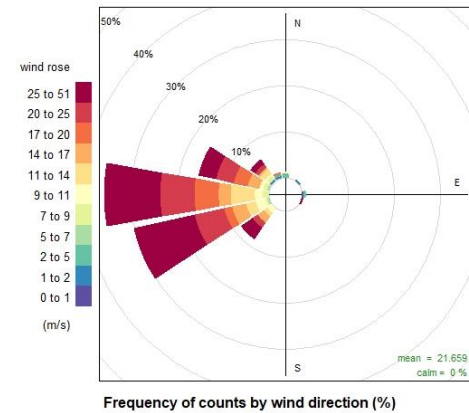


Frequency of counts by wind direction (%)

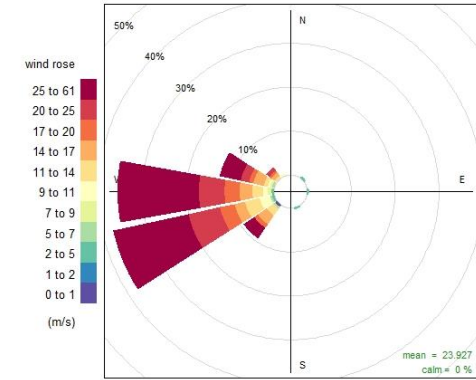
Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	0	0.4	0.8	0.4	1.6	0	0.4	0.4	0	0	0	0
12-33	0	0	0	0.4	0.4	0.4	0	0.4	0.4	0	0	0
34-56	0	0	0.4	0	0.4	0.8	0	0	0	0	0	0
57-78	0	0	0	0	0	0	0	0	0	0	0	0
79-101	0	0	0	0	0	0	0	0	0	0	0	0
102-123	0	0	0	0.4	0	0	0	0	0	0	0	0
124-146	0	0	0.4	0	0	0	0	0	0	0	0	0
147-168	0	0	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	0.4	0.4	0.8	0.4	0.4	0.4	0	0	0	0	0
214-236	0	0	0	1.2	0.4	0.4	2.3	1.2	0.8	0.4	0	0
237-258	0	0	0	2.7	1.6	3.9	5.5	2.3	0.8	0.8	0.4	0
259-281	0	0.4	0.4	2.7	3.5	2.3	4.3	5.1	4.7	3.5	2	0.4
282-303	0	0	0	1.6	1.2	3.9	3.9	3.5	2	0.8	0.4	0
304-326	0	0	0	0.8	2.3	1.6	3.1	1.6	3.5	0.8	0	0
327-348	0	0	0	1.6	0.8	0	1.2	0	0	0.4	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	0.9	0	0	0.4	0	0	0	0	0
12-33	0	0	0	0	0	0	0	0	0	0	0	0
34-56	0	0	0.4	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	0.4	0	0.4	0	0	0	0	0	0	0	0
102-123	0	0	0	0	0	0	0	0	0	0	0	0.4
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	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	1.3	0.9	1.7	0	1.3	3.1
237-258	0	0	0	0	0.4	0.4	2.2	2.2	3.1	1.7	6.6	13.5
259-281	0	0	0	0	0	1.3	1.7	5.2	2.6	5.2	7.4	12.2
282-303	0	0	0	0	0.4	0.9	0.9	0	2.6	3.1	3.9	3.9
304-326	0	0	0.4	0	0	0.9	0.4	1.3	0.4	0	0.9	1.3
327-348	0	0	0.4	0.4	0	0	0	0	0	0.4	0	0

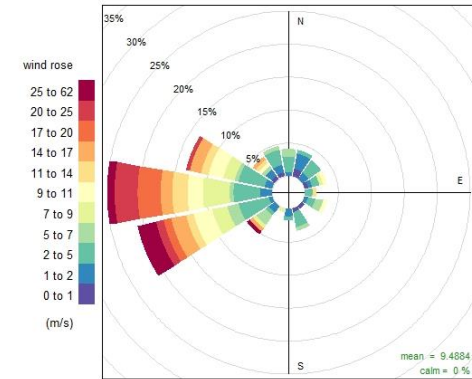


Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	0	0	0	0	0	0	0	0	0	0	0	0
12-33	0	0	0	0	0	0	0	0	0	0	0	0
34-56	0	0	0.5	0	0	0	0	0	0	0	0	0
57-78	0	0	0	0	0	0	0	0	0	0	0	0
79-101	0	0	0.5	0	0	0	0	0	0	0	0	0
102-123	0	0	0	0	0	0	0	0	0	0	0	0
124-146	0	0	0	0	0	0	0	0	0	0	0	0
147-168	0	0	0.5	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	0.5	0	0	0.5	0	0	0	2	2.4	1	0	2.9
237-258	0	0	0.5	0.5	0	2.4	3.4	2.4	3.4	7.3	17.6	
259-281	0	0	0.5	0	1	1	2.4	2.9	3.4	5.9	18.5	
282-303	0	0	0	0.5	0.5	0.5	1	2.4	1	2	4.9	
304-326	0	0	0	0	0	0	0.5	1	0.5	1	0	
327-348	0	0	0	0	0	0	0.5	0	0	0	0	



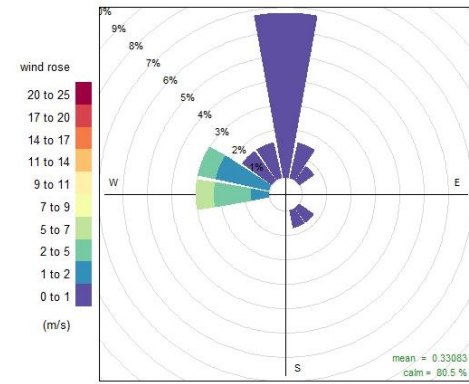
Frequency of counts by wind direction (%)

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	0.6	2.3	1.2	0	0	0	0	0	0	0	0
12-33	1.2	2.3	0.6	0	0	0	0	0	0	0	0	0
34-56	0	1.2	2.3	0	0	0	0	0	0	0	0	0
57-78	0.6	0.6	1.2	0	0.6	0.6	0	0	0	0	0	0
79-101	0	0	1.2	0	0	0	0.6	0	0	0	0	0
102-123	0	0.6	1.2	1.2	0	0.6	0	0	0	0	0	0
124-146	0.6	0	0	0	0	0	0	0	0	0	0	0
147-168	0	0.6	1.7	0.6	0	0	0	0	0	0	0	0
168-191	0	1.2	1.2	0	0	0	0	0	0	0	0	0
192-213	0	0	0	0	0.6	0	0	0	0	0	0	0
214-236	0	1.2	0.6	1.7	0.6	0	0	0.6	0	0	0	0.6
237-258	0	0.6	4.7	1.7	2.3	2.9	1.2	2.3	1.2	1.2	2.9	
259-281	0	1.7	4.1	0.6	4.1	2.3	2.3	1.7	3.5	3.5	1.2	
282-303	0	1.2	4.1	0.6	1.7	2.3	1.2	1.7	0	0.6	0	
304-326	0.6	1.2	0	0.6	0	0.6	0.6	0.6	0	0	0	
327-348	0.6	1.2	2.3	0.6	0	0	0	0	0	0	0	



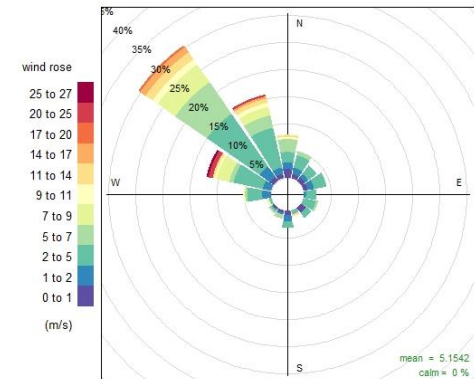
Frequency of counts by wind direction (%)

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	80	6.8	0	0	0	0	0	0	0	0	0	0
12-33		1.5	0	0	0	0	0	0	0	0	0	0
34-56		0.8	0	0	0	0	0	0	0	0	0	0
57-78		0	0	0	0	0	0	0	0	0	0	0
79-101		0	0	0	0	0	0	0	0	0	0	0
102-123		0	0	0	0	0	0	0	0	0	0	0
124-146		0.8	0	0	0	0	0	0	0	0	0	0
147-168		0.8	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	0.8	1.5	0.8	0	0	0	0	0	0	0
282-303		0	2.3	0.8	0	0	0	0	0	0	0	0
304-326		1.5	0	0	0	0	0	0	0	0	0	0
327-348		1.5	0	0	0	0	0	0	0	0	0	0



Frequency of counts by wind direction (%)

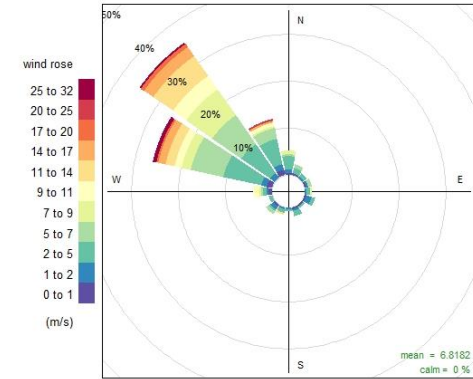
Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	0	1.6	1.2	2	2.4	0	0.4	0.4	0	0	0	0
12-33		0.8	1.2	2.4	0.8	0	0	0	0	0	0	0
34-56		0.8	0.8	2	0	0	0	0	0	0	0	0
57-78		0.8	1.2	2.4	0	0	0	0	0	0	0	0
79-101		0	0.4	2	0	0	0	0	0	0	0	0
102-123		0	0	2.4	0.4	0	0	0	0	0	0	0
124-146		1.2	0	1.2	0	0	0	0	0	0	0	0
147-168		0	0	0.8	0	0	0	0.4	0	0	0	0
168-191		0.8	1.2	1.2	0	0	0	0	0	0	0	0
192-213		0.4	0.4	0	0.8	0	0	0	0	0	0	0
214-236		0.4	0	0.4	0.4	0	0	0	0	0	0	0
237-258		0	0	0.4	0	0.4	0	0	0	0	0	0
259-281		0	1.6	2.8	0.4	0	0.4	0	0	0	0	0
282-303		0	1.6	5.5	0.8	2.4	0.4	0.4	0	0	0.8	0.4
304-326		0.8	2.4	11.9	7.1	4	1.2	1.6	1.2	0.4	0	0
327-348		0.8	1.2	7.5	2.4	1.6	0.8	0.8	0.4	0	0.4	0



Frequency of counts by wind direction (%)

November 850 hPa level

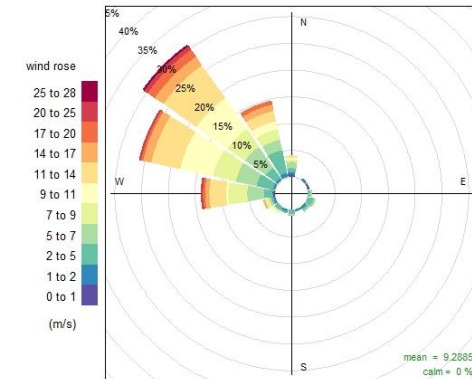
Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11		0.4	0.8	2.8	0.4	0.8	0	0	0	0	0	0
12-33		0.4	0	1.2	0.8	0	0	0	0	0	0	0
34-56		0	0.4	0.8	0	0	0	0	0	0	0	0
57-78		0.4	0.4	0	0.8	0	0	0	0	0	0	0
79-101		0	0.4	0.8	0	0.4	0	0	0	0	0	0
102-123		0.4	1.2	0.8	0	0	0	0	0	0	0	0
124-146		0.4	0	0.4	0	0	0	0	0	0	0	0
147-168	0	0.4	0.4	1.2	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	0.4	0.8	0	0	0	0.4	0	0	0	0
214-236		0.4	0.8	0.4	0.8	0	0	0	0	0	0	0
237-258		0	0	0.8	0	0	0	0	0	0	0	0
259-281		0.8	0.4	0.8	0.4	0.4	1.2	0	0	0	0	0
282-303		1.2	1.2	8.3	7.1	2	1.6	2	1.6	0.4	0	0.8
304-326		0	1.2	7.5	7.5	6.7	3.6	5.1	2.4	0.8	0	0.4
327-348		1.2	1.2	5.5	2.4	0.4	0.8	0	0.4	0	0.4	0



Frequency of counts by wind direction (%)

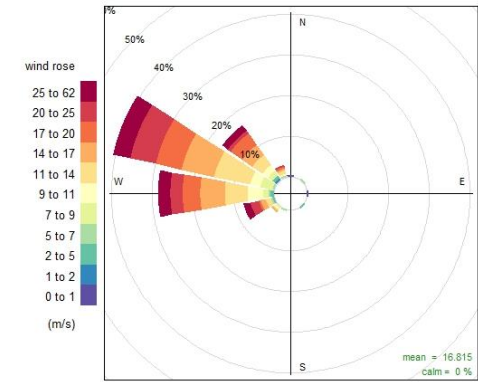
November 700 hPa level

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		0.4	0.4	0.8	1.2	0.4	0.4	0.4	0	0	0	0
12-33		0	0	0	0	0	0	0	0	0	0	0
34-56		0	0.4	0	0	0	0	0	0	0	0	0
57-78		0.4	0	0	0	0	0	0	0	0	0	0
79-101		0	0	0.4	0.4	0	0	0	0	0	0	0
102-123		0	0	1.2	0.4	0	0	0	0	0	0	0
124-146		0	0.4	0.4	0.4	0	0	0	0	0	0	0
147-168	0	0	0.4	0	0	0	0	0	0	0	0	0
168-191		0	0	0.8	0.4	0	0	0	0	0	0	0
192-213		0	0.4	0.4	0	0	0	0	0	0	0	0
214-236		0	0	0.8	0	0.4	0.4	0	0	0	0	0
237-258		0	0.4	0.4	0.4	0.8	0	0	0.4	0	0	0
259-281		0.4	0	1.6	3.2	3.6	0.4	3.2	0.8	0.4	0.4	0
282-303		0	0.4	3.2	4	4.3	6.3	5.5	1.6	0.4	0.4	0
304-326		0	0.4	2.4	4.7	4	7.1	7.5	2	1.6	0.8	0.4
327-348		0	0.8	4.3	2	2	1.6	2	1.2	0.8	0	0



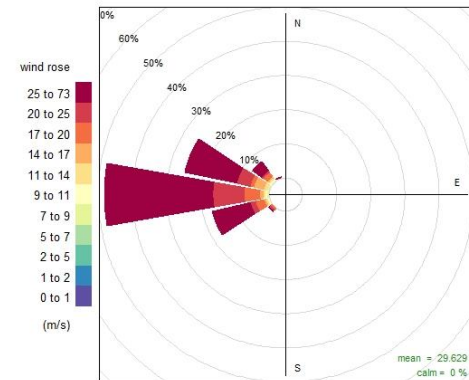
Frequency of counts by wind direction (%)

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	0	0	0	0	0	0	0	0	0
12-33		0	0	0	0	0	0	0	0	0	0	0
34-56		0	0	0	0.4	0	0	0	0	0	0	0
57-78		0	0	0	0	0	0	0	0	0	0	0
79-101		0.4	0	0	0	0	0	0	0	0	0	0
102-123		0	0	0	0	0	0	0	0	0	0	0
124-146		0	0	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	0.4	0	0	0	0	0	0	0
214-236		0	0	0	0	0.4	0.4	0.4	0.4	0	0	0
237-258		0	0	0.4	0.4	0	0	1.3	1.3	0.4	2.2	1.7
259-281		0	0	0.9	0.4	1.3	3.9	5.6	6	4.3	3	3
282-303		0	0	0	0.4	3	2.6	9.1	8.2	6.5	6.5	4.3
304-326		0	0.4	0.9	0	1.3	1.7	3	3	3.4	0.9	1.7
327-348		0	0	0	0.4	0	0.4	0.9	0.4	0.4	0.4	0



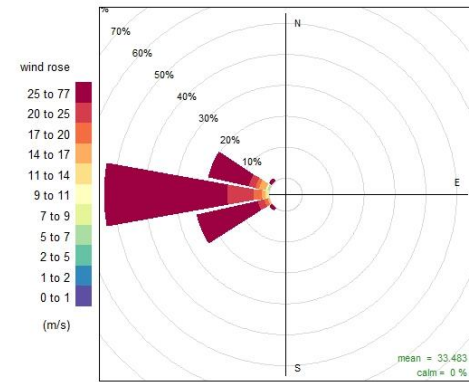
Frequency of counts by wind direction (%)

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	
34-56		0	0	0	0	0	0	0	0	0	0	0	
57-78		0	0	0	0	0	0	0	0	0	0	0	
79-101		0	0	0	0	0	0	0	0	0	0	0	
102-123		0	0	0	0	0	0	0	0	0	0	0	
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	0.5	0.5	0.5	
237-258		0	0	0	0	0	0	0.5	0.5	0.5	2.5	1.5	11.7
259-281		0	0	0	0	0	0.5	0.5	0.5	1	4.6	9.1	32
282-303		0	0	0	0	0	0.5	0	1	3	1	4.1	15.7
304-326		0	0	0	0	0	0	0.5	0.5	0.5	1.5	0.5	3.6
327-348		0	0	0	0	0	0	0	0	0	0	0	0.5



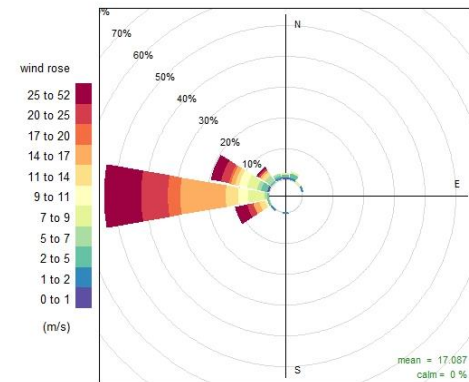
Frequency of counts by wind direction (%)

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	0	0	0	0	0	0	0	0	0	1.1
237-258		0	0	0	0	0	0	0	0	0.6	1.1	2.2	20.2
259-281		0	0	0	0	0	0.6	0	0.6	1.1	2.8	8.4	39.9
282-303		0	0	0	0.6	0	0.6	0	2.2	1.1	2.2	13.5	
304-326		0	0	0	0	0	0	0	0	0	0	0	1.1
327-348		0	0	0	0	0	0	0	0	0	0	0	0



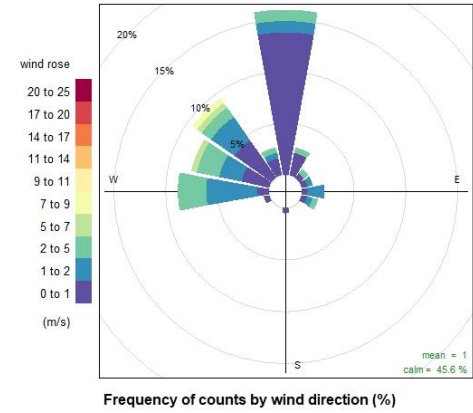
Frequency of counts by wind direction (%)

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	0.7	0	0.7	0	0.7	0	0	0	0	0	0	
12-33		0	0.7	1.3	0	0.7	0	0	0	0	0	0	0
34-56		0	0	0	0	0.7	0	0	0	0	0	0	0
57-78		0	0.7	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	0.7	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	0.7	0	0	0	0	0	0	0	0	0	0
237-258		0	0	0.7	0	0	0	0.7	2	2	0	2	4
259-281		0	0	0.7	0.7	5.4	3.4	4	14.8	4	8.7	12.1	
282-303		0.7	0	2	1.3	3.4	2.7	1.3	1.3	0.7	2.7	3.4	
304-326		0	0	0.7	2	0	0	1.3	0.7	0	0.7	0.7	
327-348		0	0.7	0.7	0.7	0	0	0	0	0	0	0	0

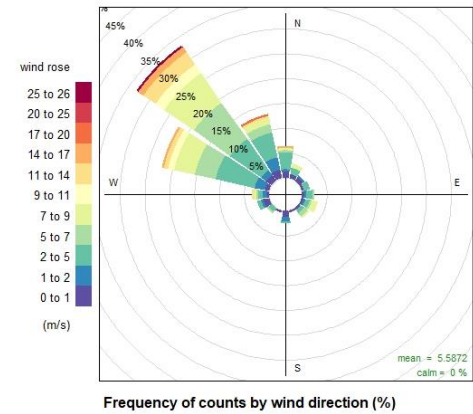


Frequency of counts by wind direction (%)

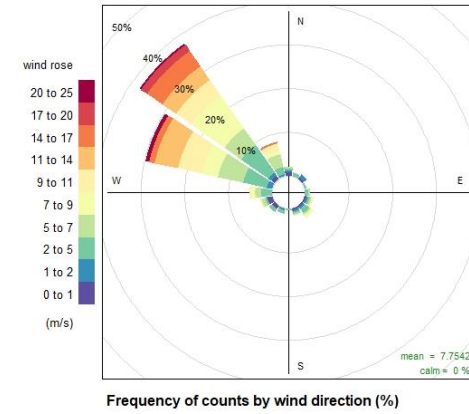
Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	46	13.7	1.1	1.1	0	0	0	0	0	0	0	0
12-33		2.2	0	0.5	0	0	0	0	0	0	0	0
34-56		0.5	0	0.5	0	0	0	0	0	0	0	0
57-78		0.5	0.5	0	0	0	0	0	0	0	0	0
79-101		0.5	1.6	0	0	0	0	0	0	0	0	0
102-123		0.5	0.5	0.5	0	0	0	0	0	0	0	0
124-146		0	0	0	0	0	0	0	0	0	0	0
147-168		0	0	0	0	0	0	0	0	0	0	0
168-191		0.5	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		0.5	0	0	0	0	0	0	0	0	0	0
259-281		1.1	4.9	2.7	0	0	0	0	0	0	0	0
282-303		2.7	2.2	2.2	0.5	0	0	0	0	0	0	0
304-326		4.4	2.7	1.1	0.5	0.5	0	0	0	0	0	0
327-348		1.6	0.5	0.5	0	0	0	0	0	0	0	0



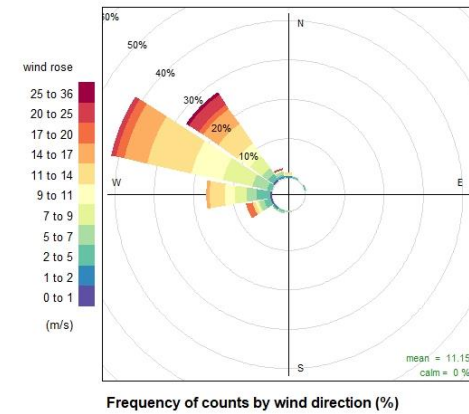
Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	0	1.3	0.4	3.4	0.4	0.4	0	0	0.4	0	0	0
12-33		0.9	0	1.3	0	0.9	0	0	0	0	0	0
34-56		0.9	0.4	0	0	0	0	0	0	0	0	0
57-78		0.4	0	1.3	0	0	0	0	0	0	0	0
79-101		0.4	0.4	1.3	0.4	0	0	0	0	0	0	0
102-123		0.4	0.4	0.9	0.4	1.3	0	0	0	0	0	0
124-146		0.4	0	0.9	0.9	0.4	0	0	0	0	0	0
147-168		0.4	0	0	0	0	0	0	0	0	0	0
168-191		1.3	0.9	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	0.9	0.4	0	0	0	0	0	0	0
237-258		1.3	0.4	0.9	0	0	0	0	0	0	0	0
259-281		0.4	0.9	0.9	0.4	0.4	0	0.4	0	0	0	0
282-303		0.9	2.1	8.1	4.3	4.3	1.3	0.9	0.4	0	0	0
304-326		1.3	1.3	7.7	8.9	7.2	2.1	3	1.3	0	0	0.4
327-348		1.7	2.6	5.1	1.7	1.3	0	0.4	0	0.4	0	0



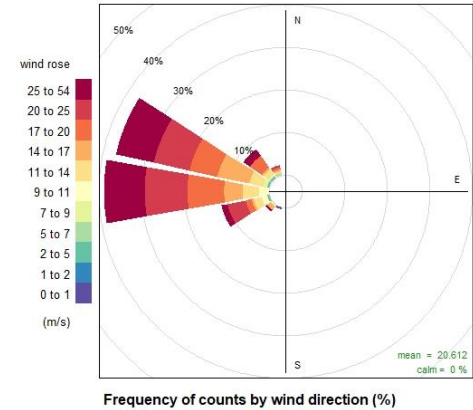
Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	0	0.8	0.4	0.4	0.4	0	0	0	0	0	0	0
12-33		0	0	0.8	0	0	0	0	0	0	0	0
34-56		0.4	0.8	0	0	0	0	0	0	0	0	0
57-78		0	0	0.4	0	0	0	0	0	0	0	0
79-101		0	0	0.8	0.4	0	0	0	0	0	0	0
102-123		0.4	0.4	0.4	0.4	0	0.4	0	0	0	0	0
124-146		0.4	0.4	1.3	0.4	0.8	0	0	0	0	0	0
147-168		0.4	0.4	0.4	0.4	0	0	0	0	0	0	0
168-191		0	0	0.4	0	0	0	0	0	0	0	0
192-213		0	0.4	0.8	0	0	0	0	0	0	0	0
214-236		0.8	0	0.8	0	0	0	0	0	0	0	0
237-258		1.3	0	0.4	0.8	0	0.4	0	0	0	0	0
259-281		0	0	2.5	1.3	0.8	0.4	0	0	0	0	0
282-303		0	1.3	5.5	5.9	3.8	5.5	5.5	1.3	0	0.8	0
304-326		0.8	0.8	7.6	4.7	9.3	4.2	3.8	4.2	1.7	0.4	0
327-348		0	0.4	1.7	3	0.8	1.7	0	0.4	0	0	0



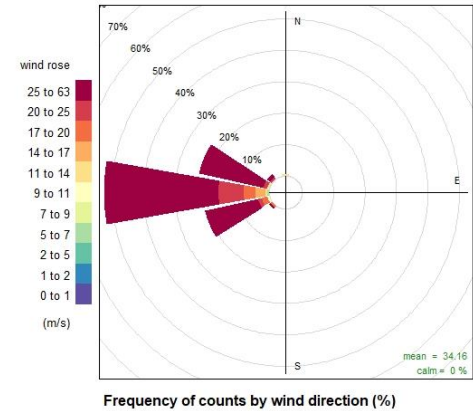
Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	0	0	0.4	0	0	0.4	0	0.4	0	0	0	0
12-33		0	0	0.4	0	0	0	0	0	0	0	0
34-56		0	0	0	0	0	0	0	0	0	0	0
57-78		0	0	0.4	0	0	0	0	0	0	0	0
79-101		0	0	0	0	0	0	0	0	0	0	0
102-123		0	0	0	0	0	0	0	0	0	0	0
124-146		0	0	0	0	0	0	0	0	0	0	0
147-168		0	0	0	0	0	0	0	0	0	0	0
168-191		0	0	0	0.4	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	0.4	0.4	0	0	0.4	0	0	0	0	0
237-258		0.4	0	1.7	1.3	0.4	0.4	0.9	0	1.7	0	0
259-281		0.4	0	3.4	2.6	3	2.6	3.8	0.9	0	0	0
282-303		0	0	1.3	3.8	7.7	8.1	11.5	6	2.1	1.3	0
304-326		0.4	0	1.7	1.7	3.8	3.8	6	4.7	1.3	3	0.9
327-348		0	0.4	0.4	0.9	0	0.4	0	0	0	0.4	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	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		0.5	0	0	0	0	0	0	0	0	0	0	0
214-236		0	0	0	0	0	0.5	0	0	1	0	0	0.5
237-258		0	0	0.5	0	0	0	1.4	1.9	0.5	1.4	4.3	1.4
259-281		0	0	0	0	0	0	2.4	3.8	4.3	8.6	10	9.6
282-303		0	0	0.5	0	1	0	3.3	7.7	6.7	8.6	9.1	9.1
304-326		0	0	0.5	0	0.5	0	1.4	0.5	3.3	0	1.9	1.9
327-348		0	0	0	0	0.5	0	0	0.5	0.5	0.5	0.5	0

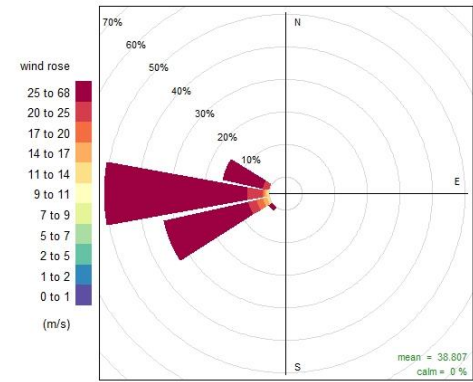


Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +	
349-11	0	0	0	0	0	0	0	0.6	0	0	0	0	
12-33		0	0	0	0	0	0	0	0	0	0	0	
34-56		0	0	0	0	0	0	0	0	0	0	0	
57-78		0	0	0	0	0	0	0	0	0	0	0	
79-101		0	0	0	0	0	0	0	0	0	0	0	
102-123		0	0	0	0	0	0	0	0	0	0	0	0
124-146		0	0	0	0	0	0	0	0	0	0	0	0
147-168		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	0	0	0	0	0	0	0	0.6	0	0.6
237-258		0	0	0	0	0	0	0.6	0	0	1.9	1.2	17.3
259-281		0	0	0	0	0.6	0	0	0.6	3.1	3.7	8	36.4
282-303		0	0	0	0	0	0	0	0.6	0	0	1.2	21
304-326		0	0	0	0	0	0	0	0	0	0	0.6	1.2
327-348		0	0	0	0	0	0	0	0	0	0	0	0



December 200 hPa level

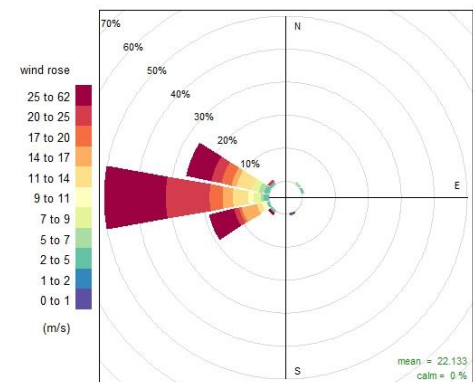
Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +	
349-11	0	0	0	0	0	0	0	0	0	0	0	0	
12-33		0	0	0	0	0	0	0	0	0	0	0	
34-56		0	0	0	0	0	0	0	0	0	0	0	
57-78		0	0	0	0	0	0	0	0	0	0	0	
79-101		0	0	0	0	0	0	0	0	0	0	0	
102-123		0	0	0	0	0	0	0	0	0	0	0	
124-146		0	0	0	0	0	0	0	0	0	0	0	
147-168		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	1.3	
237-258		0	0	0	0	0	0	0	0.7	1.3	2	2.7	26.7
259-281		0	0	0	0	0	0	0	0.7	0.7	0.7	4.7	44
282-303		0	0	0	0	0	0	0	0	0	0	2	12.7
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 (%)

Lucknow December 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	0	0	0	0	0	0	0	0	0	0
12-33		0	0	0	0	0	0	0	0	0	0	0
34-56		0	0	0	0.8	0	0	0	0	0	0	0
57-78		0	0	0.8	0	0	0	0	0	0	0	0
79-101		0	0	0	0	0	0	0	0	0	0	0
102-123		0	0	0	0	0	0	0	0	0	0	0
124-146		0	0	0	0	0	0	0	0	0	0	0
147-168		0.8	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	0.8	0	0	0	0	0	0	0	0.8
237-258		0	0	0.8	0	0	1.6	1.6	4.7	0.8	1.6	7.8
259-281		0	0	1.6	0.8	2.3	1.6	4.7	3.1	3.9	13.3	18.8
282-303		0	0	1.6	1.6	2.3	0	4.7	1.6	3.1	3.1	7.8
304-326		0	0	0.8	0	0	0	0	0	0	0.8	0
327-348		0	0	0	0	0	0	0	0	0	0	0



Frequency of counts by wind direction (%)

PRESSURE	HEIGHT	Hmax	Hmin	TEMP	TMAX	TMIN	DEWPT	DIR	VELO	U	V	VM
SURFACE	1001.1	1009	991	10.1	17.6	4	7.6	307	0.5	0.4	-0.3	1
1000	132	195	70	10	20	4	7.2	323	0.5	0.3	-0.4	1
950	557	615	434	13.3	24.6	2.8	4.4	322	2.9	1.8	-2.3	5.3
925	779	835	648	12.9	22.4	4.8	2.9	312	3.1	2.3	-2.1	5.8
900	1016	1110	926	12	23.2	2.4	-0.4	307	3.8	3	-2.3	6.1
850	1492	1591	1395	10	19.4	-0.9	-4	299	5	4.4	-2.4	7
800	1993	2065	1886	7.6	16.6	-4.9	-6.4	295	6.3	5.7	-2.6	7.9
750	2518	2610	2370	4.8	14.4	-8.7	-9.4	291	7.4	6.9	-2.7	9
700	3081	3183	2948	1.8	12.8	-10.7	-12.2	287	9	8.6	-2.7	10.9
650	3670	3800	3480	-1.8	8	-13.9	-15.4	286	10.4	10	-2.8	12.3
600	4306	4443	4136	-5.7	5.6	-18.1	-19.4	283	12.9	12.6	-2.9	15
550	4988	5150	4800	-10	0.8	-22.1	-22.9	282	15.3	15	-3.1	17.6
500	5710	5894	5498	-15	-2.9	-41.9	-27.9	280	18.3	18	-3.1	21
450	6502	6750	6256	-20.3	-8.3	-31.9	-32	279	20.6	20.4	-3.1	23.8
400	7362	7613	7074	-26.4	-12.9	-39.1	-38.5	277	25	24.8	-3.1	28.7
350	8315	8600	7981	-32.9	-17.7	-44.1	-45.5	276	27.4	27.2	-3	31.5
300	9384	9721	9015	-39.8	-24.9	-52.5	-52.6	275	30.7	30.6	-2.6	35.1
250	10608	10934	10222	-47.3	-34.3	-60.5	-59.8	273	32.3	32.2	-1.8	36.9
200	12056	12461	11665	-55.3	-42.3	-71.5	-64.6	273	37.5	37.5	-1.7	42.4
175	12897	13329	12489	-59.4	-48.1	-74.5	-60.8	272	33.1	33.1	-1.2	37.2
150	13847	14308	13421	-63.9	-52.7	-77.1		272	29.7	29.7	-1.1	33
125	14950	15389	14481	-68.8	-55.3	-82.5		273	24.6	24.6	-1.2	26.9
100	16266	16748	15764	-72.5	-58.3	-87.9		272	25.4	25.4	-0.7	27.8
80	17580	18001	17089	-72	-58.5	-89.9		273	16.7	16.7	-1	18
70	18378	18807	17865	-69.5	-53.7	-84.7		275	12.7	12.6	-1.2	15.1
60	19299	19706	18764	-66.4	-50.9	-79.3		277	9.4	9.3	-1.1	11.2
50	20422	20836	19842	-62.8	-45.1	-77.1		276	11.6	11.5	-1.2	15.2
40	21802	22263	21189	-59.3	-41.3	-75.1		283	8.8	8.6	-2	11.2
30	23630	24142	22982	-55.3	-42.5	-74.3		280	6.1	6	-1.1	9.5
25	24759	25353	24137	-54.7	-42.3	-66.7		280	5.1	5	-0.9	6.2
20	26197	26714	25560	-51.6	-33.4	-62.5		280	15.8	15.5	-2.8	20.4
15	28075	28636	27615	-50.1	-39.1	-60.1		279	11.1	11	-1.7	13.4
10	30758	31221	30288	-45.5	-40.1	-52.1		281	2	2	-0.4	2.2
7	33354	33354	33354	-38.1	-38.1	-38.1		45	0.1	-0.1	-0.1	0.1

FREEZING LEVEL

P	Height	H_max	H_min
676	3375	5200	1630

FIRST TROPOPAUSE

P	Height	Temp
212	11791	-60.2

SECOND TROPOPAUSE

P	Height	Temp
100	16368	-74.8

PRESSURE	HEIGHT	Hmax	Hmin	TEMP	TMAX	TMIN	DEWPT	DIR	VELO	U	V	VM
SURFACE	998.7	1007	989	12.7	19.4	6	9.2	315	0.7	0.5	-0.5	1.3
1000	109	196	-117	12.5	19	6	9.1	326	0.4	0.2	-0.3	0.6
950	540	686	400	16.3	27.8	6.6	6.2	325	3.3	1.9	-2.7	6.4
925	767	843	658	16.1	27	8	5.2	319	3.5	2.3	-2.6	7.3
900	1004	1093	913	14.5	26	3.8	1.7	306	4.7	3.8	-2.8	7.3
850	1484	1570	1384	11.9	23.4	-0.3	-1.7	299	6	5.3	-2.9	8.5
800	1988	2077	1877	9	20.4	-3.7	-4.4	293	7.5	6.9	-3	9.9
750	2514	2612	2365	5.7	17.4	-7.1	-7.4	290	8.9	8.3	-3.1	11.2
700	3079	3195	2950	2.3	14.8	-8.9	-10.6	288	10.1	9.6	-3.2	12.7
650	3668	3812	3500	-1.5	13.8	-11.9	-14	285	11.9	11.5	-3	14.3
600	4306	4469	4145	-5.6	11	-15.3	-18.5	283	14.4	14	-3.2	16.7
550	4989	5183	4800	-10.1	5.8	-20.9	-22.8	281	16.4	16.1	-3.1	19
500	5711	5946	5508	-15	-1.3	-25.9	-27.2	280	19.1	18.8	-3.3	22.1
450	6503	6768	6290	-20.4	-7.3	-32.1	-32.2	279	21.3	21	-3.5	24.5
400	7362	7659	7118	-26.4	-12.7	-36.1	-38.3	279	24.7	24.4	-3.8	28.6
350	8314	8641	8010	-32.9	-18.7	-45.1	-45.1	279	27.4	27.1	-4.1	32
300	9383	9753	9046	-39.8	-23.7	-53.9	-53.3	277	30.6	30.4	-3.9	35.8
250	10609	11016	10256	-47	-32.3	-63.5	-61.2	276	32.5	32.3	-3.2	37.9
200	12065	12502	11676	-54.2	-39.9	-73.1	-67.6	274	36.3	36.2	-2.4	42
175	12913	13376	12509	-58.4	-44.7	-74.1	-60.6	274	31.9	31.8	-2	36.6
150	13870	14389	13458	-63	-49.1	-77.1	-73.6	274	27.5	27.4	-1.8	31.5
125	14978	15564	14561	-67.9	-54.3	-81.7		273	21.6	21.6	-1.3	24.8
100	16297	16935	15833	-72.2	-58.3	-84.5		274	22.9	22.8	-1.6	25.7
80	17607	18244	17074	-72.6	-55.1	-86.3		274	14.5	14.5	-1	15.8
70	18402	19198	17850	-70.6	-51.9	-85.3		276	11.6	11.5	-1.2	13.2
60	19314	19900	18699	-67.5	-49.1	-81.7		277	8	7.9	-1	9.7
50	20434	21213	19782	-63.2	-47.9	-80.9		278	10.5	10.4	-1.5	13.8
40	21818	22660	21348	-59.5	-47.1	-77.3		281	6.3	6.2	-1.2	8.6
30	23641	24551	23117	-55.6	-43.3	-76.9		281	3.1	3	-0.6	7.7
25	24778	25764	24290	-54.2	-43.9	-71.5		274	1.3	1.3	-0.1	6.1
20	26238	27276	25168	-51.6	-40.1	-64.3		266	5.1	5.1	0.4	12.6
15	28150	29246	27594	-48.8	-38.1	-59.9		249	2.6	2.4	0.9	6.8
10	30856	32048	30158	-46.2	-36.1	-62.9		255	1.6	1.5	0.4	3.4
7	33495	34544	33020	-40	-32.9	-45.7		198	0.3	0.1	0.3	1.1

FREEZING LEVEL

P	Height	H_max	H_min
671	3441	5770	1720

FIRST TROPOPAUSE

P	Height	Temp
207	12044	-60.1

SECOND ROPOPAUSE

P	Height	Temp
96	16629	-74.5

PRESSURE	HEIGHT	Hmax	Hmin	TEMP	TMAX	TMIN	DEWPT	DIR	VELO	U	V	VM
SURFACE	995.3	1004	987	17.4	26	10	11.8	302	0.9	0.8	-0.5	1.4
1000	83	158	4	15.7	20.8	11.2	11.5	360	0.1	0	-0.1	0.1
950	519	596	350	21.2	31.8	8.8	7.6	320	4.3	2.8	-3.3	7.3
925	752	831	580	21.1	31.6	10.2	6.4	315	5.4	3.8	-3.8	8.7
900	990	1096	827	19.5	31.4	6.8	3.5	308	6.1	4.8	-3.7	8.7
850	1479	1582	1310	16.5	28.6	3.2	0.5	301	7.7	6.6	-4	10.2
800	1991	2093	1818	12.9	24	-0.5	-2.2	296	9.3	8.3	-4.1	11.4
750	2521	2628	2352	9	18.6	-3.9	-4.5	292	9.8	9.1	-3.7	11.9
700	3095	3201	2914	5	14.8	-8.1	-7.6	290	11.4	10.7	-3.9	13.7
650	3687	3810	3500	0.8	11.2	-12.7	-11.3	288	12	11.4	-3.6	14.1
600	4333	4465	4138	-3.4	8	-16.1	-16.3	286	13.8	13.3	-3.7	16.2
550	5020	5200	4814	-8	2.2	-18.9	-20.1	283	14.5	14.1	-3.3	16.7
500	5750	5988	5539	-13	-2.3	-24.3	-25.7	282	16.3	16	-3.3	19
450	6548	6798	6300	-18.6	-6.7	-30.1	-30.4	280	17.1	16.8	-3.1	19.9
400	7413	7649	7160	-24.8	-8.7	-38.1	-36.7	280	20.4	20.1	-3.4	23.8
350	8370	8698	8098	-31.6	-17.1	-43.9	-42.6	279	20.9	20.6	-3.3	24.9
300	9446	9739	9142	-38.9	-25.3	-51.1	-51.6	279	23.1	22.8	-3.5	27.7
250	10675	10997	10310	-46.6	-30.7	-63.1	-59.4	278	24.7	24.4	-3.6	29.9
200	12129	12484	11679	-53.9	-41.3	-70.7	-65.6	277	27.7	27.5	-3.2	32.7
175	12975	13356	12507	-57.8	-45.7	-70.7	-58.2	277	24.4	24.2	-2.8	28.7
150	13942	14414	13468	-62	-46.3	-76.1		276	21.6	21.5	-2.2	25.3
125	15047	15496	14594	-67.1	-52.5	-81.9		274	16.8	16.8	-1.2	19.5
100	16382	16987	15927	-71.4	-57.3	-84.5		273	18.2	18.2	-1.1	20.9
80	17695	18247	17207	-71.9	-57.7	-85.7		275	11.4	11.4	-1	12.5
70	18495	19128	17975	-69.7	-53.1	-83.5		276	8.6	8.6	-0.9	10.3
60	19423	19980	18874	-66.5	-51.1	-78.5		277	5.5	5.5	-0.7	7.1
50	20548	21097	19962	-62.2	-47.2	-80.9		279	6.1	6	-0.9	9
40	21934	22467	21294	-58	-46.3	-70.9		283	3.6	3.5	-0.8	5.8
30	23788	24511	23037	-52.8	-37.1	-68.1		280	2.3	2.3	-0.4	4.5
25	24935	25511	24100	-51.4	-37.9	-65.7		280	1.7	1.7	-0.3	3.4
20	26382	26997	25530	-49	-35.1	-64.5		283	4.5	4.4	-1	7.8
15	28257	28989	27758	-47.3	-33.5	-56.7		284	3	2.9	-0.7	4.5
10	30933	31528	30366	-43.7	-35.3	-50.9		284	0.4	0.4	-0.1	0.9
7	33527	33920	33134	-41.3	-34.5	-48.1		315	0.1	0.1	-0.1	0.2

FREEZING LEVEL

P	Height	H_max	H_min
640	3823	5520	1850

FIRST TROPOPAUSE

P	Height	Temp
217	11730	-57.4

SECOND TROPOPAUSE

P	Height	Temp
96	16685	-73.6

PRESSURE	HEIGHT	Hmax	Hmin	TEMP	TMAX	TMIN	DEWPT	DIR	VELO	U	V	VM
SURFACE	991.3	1000	980	22.3	30	12	13	342	0.3	0.1	-0.3	1.3
1000	47	126	-29	18.4	18.4	18.4	16.2					
950	492	571	400	26.6	38.8	16.8	9.3	323	2.6	1.6	-2.1	7.4
925	728	807	650	26.3	38.2	13	8	311	3	2.3	-2	7.8
900	970	1062	897	24.6	37.8	8	5.8	311	4.4	3.3	-2.9	7.8
850	1467	1569	1364	21.2	32.8	-2.7	3	304	6.6	5.5	-3.7	9
800	1987	2097	1859	17.3	29.4	-13.1	0.5	300	8.3	7.2	-4.1	10.4
750	2524	2660	2326	12.9	26	-23.7	-2.6	294	10	9.1	-4.1	11.9
700	3107	3232	2793	8.2	21	-34.1	-5.7	292	11.2	10.4	-4.2	13.3
650	3705	3850	3274	3.5	14.4	-42.3	-9	290	12.2	11.5	-4.2	14.3
600	4357	4494	4137	-1.2	9.8	-11.7	-13.2	289	12.8	12.1	-4.2	15
550	5050	5220	4788	-5.9	4.6	-16.7	-18.4	288	12.9	12.3	-3.9	15.2
500	5785	5955	5486	-10.9	3.8	-21.1	-24.3	286	13.8	13.3	-3.8	16.1
450	6587	6800	6237	-16.5	-5.9	-26.5	-29.3	283	14.5	14.1	-3.3	17
400	7461	7765	7143	-23	-11.5	-34.9	-34.8	281	16.2	15.9	-3.2	19.2
350	8426	8699	8142	-29.9	-15.7	-40.9	-41.1	280	17.7	17.4	-3	20.8
300	9508	9836	8961	-37.5	-24.3	-49.5	-49.3	279	18.9	18.7	-2.8	22.6
250	10745	11118	10147	-45.4	-32.1	-59.5	-58.2	278	20.1	19.9	-2.7	24
200	12208	12633	11815	-52.8	-38.3	-64.9	-65.1	276	22	21.9	-2.3	26.2
175	13063	13509	12684	-56.7	-42.7	-70.5	-69.4	276	20.1	20	-2	23.6
150	14031	14493	13639	-61	-49.3	-75.7	-73.2	274	18.1	18.1	-1.3	21.2
125	15150	15636	14744	-66	-38.1	-79.7	-77.6	275	14.5	14.5	-1.2	17.1
100	16487	16997	16033	-70.8	-55.3	-85.1	-77.3	274	15.2	15.2	-1.1	17.6
80	17808	18339	17308	-71.6	-56.5	-85.7		275	9	9	-0.8	10.5
70	18605	19153	18130	-68.9	-43.3	-83.5	-78.2	279	7.3	7.2	-1.1	9.4
60	19529	19968	19028	-65.4	-51.1	-77.7		282	4.5	4.4	-0.9	6.5
50	20664	21244	20111	-60.3	-32.1	-73.7	-69.1	283	4.8	4.7	-1.1	8.5
40	22066	22786	21470	-55.9	-39.7	-68.5		291	2.5	2.3	-0.9	5
30	23934	24754	23266	-50.5	-15.3	-63.9	-57.8	286	2.6	2.5	-0.7	4.7
25	25106	25997	24370	-48.9	-38.1	-61.5		287	2.1	2	-0.6	3.2
20	26610	27524	26036	-46.2	-33.5	-66.5	-67.9	279	5.2	5.1	-0.8	7.7
15	28507	29173	27872	-44.3	-29.9	-57.1		283	2.7	2.6	-0.6	3.5
10	31258	32072	30472	-41.4	-26.7	-58.9		288	0.9	0.9	-0.3	1.1
7	33335	33700	32869	-44.8	-34.5	-50.9		270	0.4	0.4	0	0.4

FREEZING LEVEL

P	Height	H_max	H_min
613	4195	5790	2250

FIRST TROPOPAUSE

P	Height	Temp
205	12291	-57.4

SECOND TROPOPAUSE

P	Height	Temp
95	16868	-73.4

PRESSURE	HEIGHT	Hmax	Hmin	TEMP	TMAX	TMIN	DEWPT	DIR	VELO	U	V	VM
SURFACE	987.7	1000	976	26.2	33.2	17	17.3	63	0.4	-0.4	-0.2	1.5
1000	15	122	-94	25	25	25	16.6					
950	463	575	350	28.5	37.8	17.2	15.2	51	0.6	-0.5	-0.4	7.6
925	698	801	600	28.3	39.4	18.2	14.1	319	1.1	0.7	-0.8	8.3
900	945	1049	828	26.9	37.6	13	11.8	299	2.1	1.8	-1	7.6
850	1447	1542	1323	23.7	34	2	8.5	302	4.7	4	-2.5	7.9
800	1972	2062	1886	20	30.8	7.2	5.4	303	7.2	6	-3.9	9.4
750	2515	2650	2380	15.7	25.6	2.2	2.3	302	9.1	7.7	-4.9	11.3
700	3103	3218	2999	11	20.4	-0.7	-1.3	302	10.7	9.1	-5.6	13
650	3706	3852	3560	6.1	17.8	-4.1	-5.3	299	11.5	10.1	-5.6	13.8
600	4365	4522	4170	1.4	28.4	-8.1	-9.9	299	11.7	10.3	-5.6	14
550	5067	5231	4858	-3.2	6.2	-12.9	-15.4	298	11.2	9.9	-5.2	13.5
500	5808	5988	5601	-7.7	2.2	-18.1	-20.8	295	11.3	10.3	-4.7	13.7
450	6624	6807	6400	-12.6	-2.1	-24.1	-25.6	291	11.2	10.5	-4	13.6
400	7512	7751	7270	-18.5	-7.3	-31.3	-31.8	287	12.6	12.1	-3.6	15.2
350	8497	8735	8200	-24.9	-12.5	-38.7	-38.5	283	13.6	13.2	-3.1	16.1
300	9602	9900	9277	-32.2	-18.7	-47.9	-46	280	15.1	14.9	-2.6	18
250	10866	11238	10470	-40.7	-27.5	-57.3	-55	276	15.9	15.8	-1.7	18.8
200	12352	12810	11901	-50.7	-38.1	-69.3	-62.4	273	16.6	16.6	-1	19.4
175	13213	13717	12708	-56.1	-43.1	-77.1	-56.9	271	14.9	14.9	-0.2	17.2
150	14184	14737	13646	-61.9	-48.3	-81.3	-59.9	270	12.6	12.6	-0.1	14.7
125	15297	15906	14719	-68.2	-53.7	-78.5		269	9.2	9.2	0.2	10.9
100	16617	17291	16017	-73.6	-57.9	-86.9		271	7.3	7.3	-0.1	9.7
80	17921	18630	17264	-72.9	-43.3	-90.5		270	2.1	2.1	0	6.3
70	18718	19450	18090	-69.6	-51	-87.9		297	0.4	0.4	-0.2	5.5
60	19630	19997	18957	-64.9	-47.5	-78.3		75	1.1	-1.1	-0.3	4.9
50	20765	21499	20083	-59.3	-39.5	-74.9		88	2.3	-2.3	-0.1	6.3
40	22187	22910	21743	-54.5	-36.3	-72.9		86	2.6	-2.6	-0.2	4.8
30	24063	24780	23503	-49.2	-32.9	-68.1		87	2	-2	-0.1	3.9
25	25259	25950	24746	-47.1	-30.5	-65.1		84	1.8	-1.8	-0.2	2.9
20	26740	27499	25785	-44.8	-28.5	-60.9		81	2.6	-2.6	-0.4	5.3
15	28616	29532	27752	-43.1	-27.1	-57.9		84	1	-1	-0.1	3.4
10	31451	32457	30726	-40.3	-26.5	-57.5		346	0.4	0.1	-0.4	1.6
7	33744	34498	33143	-42.3	-32.1	-48.1		45	0.1	-0.1	-0.1	0.4

FREEZING LEVEL

P	Height	H_max	H_min
585	4590	6400	2940

FIRST TROPOPAUSE

P	Height	Temp

SECOND TROPOPAUSE

P	Height	Temp
96	16894	-75.8

PRESSURE	HEIGHT	Hmax	Hmin	TEMP	TMAX	TMIN	DEWPT	DIR	VELO	U	V	VM
SURFACE	984.2	993	977	28.1	38	22	22	82	0.7	-0.7	-0.1	1.4
1000	-19	60	-88					0	0	0	0	0
950	436	559	348	28.8	41	20.4	20.8	106	1.5	-1.4	0.4	7.2
925	674	758	551	28.4	37.8	19.4	20.4	125	1.2	-1	0.7	8.2
900	917	996	808	27.2	40.4	16.4	17.9	243	0.4	0.4	0.2	7.7
850	1420	1510	1321	24.2	35.6	8.8	14.9	294	2.4	2.2	-1	8.2
800	1947	2044	1840	20.8	30.4	4.6	12.1	304	4.2	3.5	-2.4	8.9
750	2498	2600	2376	16.9	28.6	1.8	8.8	311	5.5	4.2	-3.6	9.6
700	3085	3205	2943	12.9	22.8	0.4	5	314	6.2	4.5	-4.3	10.1
650	3699	3850	3536	8.7	21	-0.7	0.6	312	6.2	4.6	-4.1	9.7
600	4359	4508	4173	4.6	17.6	-4.3	-4	310	5.5	4.2	-3.5	9.1
550	5075	5290	4862	0.6	14.8	-8.3	-8.4	303	4.5	3.8	-2.5	8.1
500	5822	6003	5606	-3.5	7.4	-13.5	-13	294	4.3	3.9	-1.7	7.9
450	6658	6890	6418	-7.8	2.8	-19.7	-17.8	284	4.1	4	-1	8
400	7558	7797	7318	-12.7	-1.9	-26.7	-23.4	276	4.4	4.4	-0.5	8.5
350	8564	8833	8328	-18.9	-6.1	-33.9	-29.7	271	5.1	5.1	-0.1	9
300	9698	9995	9458	-26.6	-14.1	-40.3	-37.2	266	5.5	5.5	0.4	9.4
250	10990	11322	10729	-36.2	-24.5	-48.1	-46.6	258	5.4	5.3	1.1	9.2
200	12500	12878	12172	-47.9	-35.1	-61.7	-58	254	5	4.8	1.4	9.2
175	13371	13775	13005	-54.7	-40.9	-69.3	-58.7	252	4.2	4	1.3	8.4
150	14339	14774	13936	-62.1	-47.1	-76.1	-61.8	252	2.9	2.8	0.9	7.5
125	15447	15924	14998	-69.5	-54.5	-85.1	-85.3	234	0.9	0.7	0.5	6.4
100	16753	17281	16081	-75.1	-57.5	-87.9		98	1.4	-1.4	0.2	7.2
80	18057	18595	17544	-73.5	-54.1	-89.5		86	4.5	-4.5	-0.3	6.1
70	18853	19392	18335	-69.7	-48.9	-86.1		89	5.3	-5.3	-0.1	6.9
60	18384	19998	19232	-64.7	-44.3	-83.1		90	5.5	-5.5	0	6.2
50	20894	21512	20326	-59.2	-42.9	-75.1		90	7.8	-7.8	0	8.9
40	22315	22967	21800	-54.1	-40.3	-70.9		90	6.9	-6.9	0	7.6
30	24178	24897	23596	-49.8	-37.7	-63.7		91	6.7	-6.7	0.1	7.1
25	25362	26158	24731	-48	-34.5	-59.9		92	5.8	-5.8	0.2	5.9
20	26837	27682	26184	-45.4	-34.1	-56.5		93	10.9	-10.9	0.6	11.5
15	28720	29652	28045	-43	-30.3	-54.1		93	7.3	-7.3	0.4	7.7
10	31574	32423	31042	-40	-32.7	-51.9		97	1.6	-1.6	0.2	1.8
7	34098	34570	33658	-36.1	-24.3	-46.5		79	0.5	-0.5	-0.1	0.6

FREEZING LEVEL

P	Height	H_max	H_min
542	5200	6740	3790

FIRST TROPOPAUSE

P	Height	Temp

SECOND TROPOPAUSE

P	Height	Temp
98	16945	-77

PRESSURE	HEIGHT	Hmax	Hmin	TEMP	TMAX	TMIN	DEWPT	DIR	VELO	U	V	VM
SURFACE	984.2	990	978	27.4	33	20	24.3	90	0.5	-0.5	0	1.3
1000	-19	48	-77					0	0	0	0	0
950	431	533	315	26.7	36.8	18.6	23.3	139	1.1	-0.7	0.8	6.9
925	667	729	550	26.1	39.4	19	22.1	139	0.9	-0.6	0.7	8.7
900	910	993	806	24.6	35.2	16.8	21	189	0.6	0.1	0.6	8
850	1409	1495	1339	21.8	31	10.8	18.3	288	0.3	0.3	-0.1	8.1
800	1933	2022	1855	18.9	27.2	8.8	15.5	329	0.6	0.3	-0.5	7.8
750	2485	2600	2370	15.7	23.4	5.8	12.3	347	0.9	0.2	-0.9	7.4
700	3066	3190	2959	12.5	21.4	3.8	8.5	6	1	-0.1	-1	7.1
650	3685	3810	3529	9.3	18	-0.3	4.1	18	0.6	-0.2	-0.6	6.4
600	4344	4492	4219	5.9	15	-3.9	0	72	0.6	-0.6	-0.2	5.9
550	5068	5700	4911	2.3	12.8	-5.7	-4.2	96	1	-1	0.1	5.4
500	5817	6000	5664	-1.7	9	-11.5	-8.8	102	1.4	-1.4	0.3	5.3
450	6658	6857	6473	-6.2	5	-14.5	-13.8	114	1.7	-1.6	0.7	5
400	7562	7796	7382	-11.6	-0.3	-19.9	-19.8	113	2.3	-2.1	0.9	5.4
350	8574	8839	8339	-17.9	-4.7	-28.1	-26.7	109	2.8	-2.6	0.9	5.6
300	9684	9960	9481	-25.8	-12.9	-37.1	-34.8	108	3.5	-3.3	1.1	6.1
250	11009	11381	10730	-35.7	-20.5	-49.1	-44.5	104	3.7	-3.6	0.9	6.1
200	12520	12981	12170	-48.2	-28.1	-62.9	-56.2	99	5.4	-5.3	0.8	8.1
175	13387	13907	12991	-55.7	-38.9	-71.3	-58	95	6	-6	0.5	8.6
150	14353	14952	13892	-63.5	-45.3	-77.3	-62.4	91	6	-6	0.1	8.6
125	15453	16028	14938	-71.2	-51.1	-84.7	-72.3	86	6.3	-6.3	-0.4	8.6
100	16751	17363	16218	-76.5	-61.3	-89.3		86	9.3	-9.3	-0.7	11.9
80	18044	18556	17513	-73.7	-54.1	-90.3		87	9.9	-9.9	-0.6	10.9
70	18841	19500	18310	-69.7	-54.1	-84.1		89	9.8	-9.8	-0.2	11
60	18582	19999	19172	-64.9	-51.9	-80.7		90	9.2	-9.2	0	9.8
50	20894	21469	20271	-59.9	-45.9	-76.7		93	11.8	-11.8	0.6	12.9
40	22296	22871	21542	-55.7	-40.9	-71.9		92	9.6	-9.6	0.3	10.3
30	24151	24783	23316	-51.2	-36.5	-63.1		92	8.5	-8.5	0.3	9.1
25	25327	26000	24455	-49.3	-37.5	-62.5		94	8	-8	0.5	8.5
20	26786	27449	25864	-47.3	-34.5	-58.3		94	16.9	-16.9	1.1	17.6
15	28666	29445	27703	-45.6	-31.5	-56.1		92	9.9	-9.9	0.3	10.1
10	31331	31884	30328	-43.4	-34.1	-53.3		90	1.2	-1.2	0	1.2
7	33800	33861	33740	-38.8	-34.1	-43.5		90	0.3	-0.3	0	0.3

FREEZING LEVEL

P	Height	H_max	H_min
523	5474	6930	3530

FIRST TROPOPAUSE

P	Height	Temp

SECOND TROPOPAUSE

P	Height	Temp
100	16762	-78.2

PRESSURE	HEIGHT	Hmax	Hmin	TEMP	TMAX	TMIN	DEWPT	DIR	VELO	U	V	VM
SURFACE	985.9	992	980	27	31	22	24.7	90	0.4	-0.4	0	1.4
1000	-4	117	-58					0	0	0	0	0
950	444	511	305	26.1	34	19.4	23	98	1.4	-1.4	0.2	6.9
925	682	764	600	25.3	31.4	16.8	22	90	1.2	-1.2	0	8
900	924	994	828	23.9	32.2	15.4	20.6	100	1.7	-1.7	0.3	8
850	1422	1516	1324	21.1	29.2	10	17.8	90	1.9	-1.9	0	8
800	1945	2075	1855	18.3	27.6	6.2	14.8	78	1.9	-1.9	-0.4	7.8
750	2494	2623	2040	15.3	25.4	4.4	11.5	81	1.9	-1.9	-0.3	7.6
700	3076	3207	2955	12.4	21.8	2.4	7.7	87	1.8	-1.8	-0.1	7
650	3694	3848	3525	9.3	17.8	0	3.6	93	1.8	-1.8	0.1	6.3
600	4354	4528	4201	5.9	16	-3.7	-0.6	99	1.8	-1.8	0.3	5.7
550	5075	5255	4926	2.1	11	-5.1	-4.9	106	2.2	-2.1	0.6	5.4
500	5825	6033	5631	-2	8.2	-9.9	-9.4	108	2.5	-2.4	0.8	5.5
450	6665	6878	6460	-6.6	4.8	-14.5	-14.8	112	2.7	-2.5	1	5.4
400	7568	7800	7333	-12.1	-2.3	-20.7	-20.8	110	3	-2.8	1	5.6
350	8577	8859	8330	-18.4	-7.7	-29.5	-27.1	111	3.3	-3.1	1.2	5.8
300	9712	9976	9418	-26.5	-15.9	-40.5	-35.6	109	3.7	-3.5	1.2	6.1
250	11004	11303	10668	-36.5	-23.3	-54.1	-45.5	108	4.2	-4	1.3	6.9
200	12510	12828	12166	-49.2	-37.1	-64.3	-58.3	101	5.4	-5.3	1	8.9
175	13372	13739	12972	-56.5	-41.7	-71.5	-60.1	96	5.6	-5.6	0.6	9
150	14337	14762	13889	-64.4	-49.3	-78.5	-62.9	93	5.9	-5.9	0.3	8.8
125	15432	15935	14981	-72	-56.7	-84.9	-80.3	90	5.9	-5.9	0	8.2
100	16724	17230	16242	-75.6	-57.3	-89.1		86	9.1	-9.1	-0.7	11.8
80	18030	18542	17509	-72.3	-54.1	-87.1		87	10	-10	-0.6	11
70	18837	19374	18310	-68	-49.3	-81.5		91	9.6	-9.6	0.1	11.1
60	18524	20045	19185	-63.8	-44.1	-78.9		91	8.7	-8.7	0.1	9.5
50	20894	21472	20263	-59.4	-39.5	-72.3		91	11.5	-11.5	0.3	13.6
40	22298	23300	21602	-55.8	-32.1	-68.3		91	10.7	-10.7	0.2	12
30	24130	24901	23387	-52.1	-41.1	-62.9		92	9.5	-9.5	0.4	10.6
25	25302	26130	24610	-49.8	-38	-60.3		93	8.2	-8.2	0.5	9
20	26787	27667	26079	-47.6	-35.7	-59.1		92	15.7	-15.7	0.6	16.7
15	28720	29655	28162	-45	-33.7	-54.7		95	10.8	-10.8	0.9	11
10	31510	32227	30947	-41.2	-31.1	-54.7		97	3.5	-3.5	0.4	3.6
7	33819	34030	33444	-44.2	-38.9	-54.7		90	0.2	-0.2	0	0.2

FREEZING LEVEL

P	Height	H_max	H_min
525	5467	6780	3636

FIRST TROPOPAUSE

P	Height	Temp

SECOND TROPOPAUSE

P	Height	Temp
103	16599	-78.2

PRESSURE	HEIGHT	H max	H min	TEMP	TMAX	TMIN	DEWPT	DIR	VELO	U	V	VM
SURFACE	989.9	998	980	25.8	35.4	20	23.2	79	0.5	-0.5	-0.1	1.2
1000	34	103	-48					0	0	0	0	0
950	475	564	325	25.3	32.8	17.8	21	70	1.2	-1.1	-0.4	6
925	707	805	560	24.5	31	16.4	19.7	79	1.6	-1.6	-0.3	6.6
900	957	1031	874	23	30.6	15.8	18.2	67	1.3	-1.2	-0.5	7.1
850	1453	1527	1317	20.1	28.2	12.6	14.7	35	1.2	-0.7	-1	7.5
800	1973	2048	1875	17.1	27	10.4	11.3	21	1.7	-0.6	-1.6	7.6
750	2516	2604	2391	13.9	21.8	7.2	7.2	17	1.7	-0.5	-1.6	7.3
700	3095	3193	2998	10.6	19.2	2.6	3.5	13	1.3	-0.3	-1.3	7
650	3710	3819	3563	7.3	16	-2.1	-0.4	22	0.5	-0.2	-0.5	6.5
600	4367	4491	4230	3.7	11.4	-7.1	-4.4	214	0.4	0.2	0.3	6.1
550	5080	5207	4940	0.1	10.8	-9.7	-8.1	207	0.9	0.4	0.8	6.2
500	5826	5975	5676	-4.1	7.2	-15.3	-13.2	228	1.5	1.1	1	6.2
450	6658	6822	6490	-8.9	0.2	-17.1	-17.9	231	1.9	1.5	1.2	6.3
400	7556	9574	7374	-14.5	-4.1	-25.9	-24	241	2.5	2.2	1.2	6.6
350	8552	8775	8320	-21.3	-9.1	-30.9	-31.1	246	3	2.7	1.2	6.9
300	9673	9927	9449	-29.3	-15.5	-38.3	-39.7	248	3.8	3.5	1.4	7.3
250	10949	11252	10691	-39.4	-24.3	-49.7	-50.7	245	4.3	3.9	1.8	8.2
200	12436	12772	12082	-51.6	-35.1	-62.3	-61.4	247	5.1	4.7	2	9.7
175	13290	13660	12923	-58.5	-40.5	-69.1	-60.8	246	4.5	4.1	1.8	9.3
150	14246	14724	13857	-65.9	-45.1	-76.7	-59.9	247	3.3	3	1.3	8.4
125	15331	15824	14916	-72.9	-52.3	-82.9		253	1	1	0.3	6.8
100	16620	17215	16198	-76.7	-62.5	-88.9		83	1.6	-1.6	-0.2	7.4
80	17913	18563	17465	-72.5	-57.1	-86.1		86	4.6	-4.6	-0.3	6.9
70	18713	19386	18246	-68.2	-51.5	-82.3		90	5.4	-5.4	0	6.9
60	19425	19997	19143	-63.7	-43.1	-80.9		92	6.3	-6.3	0.2	7.4
50	20768	21511	20285	-59.6	-47.5	-76.9		92	8.9	-8.9	0.3	10
40	22171	22955	21655	-55.9	-41.5	-69.1		91	8.5	-8.5	0.1	9.3
30	24009	24849	23436	-52	-39.1	-63.5		95	7.3	-7.3	0.6	7.9
25	25187	26068	24562	-50.4	-37.9	-62.3		94	5.7	-5.7	0.4	6.2
20	26667	27571	25950	-48	-35.3	-61.3		96	13.9	-13.8	1.4	15.1
15	28557	29441	27756	-46.3	-36.1	-61.1		95	6.9	-6.9	0.6	7.8
10	31223	32258	30368	-44.4	-35.1	-55.3		96	3	-3	0.3	3.4
7	33610	34135	33279	-47	-38.1	-64.9		117	0.2	-0.2	0.1	0.5

FREEZING LEVEL

P	Height	H max	H min
551	5078	6760	3380

FIRST TROPOPAUSE

P	Height	Temp

SECOND TROPOPAUSE

P	Height	Temp
104	16441	-78.4

PRESSURE	HEIGHT	H max	H min	TEMP	TMAX	TMIN	DEWPT	DIR	VELO	U	V	VM
SURFACE	995.4	1003	947	21.3	29	14	18	360	0.1	0	-0.1	0.4
1000	83	149	9	18.8	24	15	16	0	0	0	0	0
950	523	588	371	23.3	30.4	12.8	13.3	333	0.9	0.4	-0.8	4.5
925	755	820	640	22.2	30.8	14.4	11.9	336	1	0.4	-0.9	5
900	997	1075	898	20.8	29.6	11.4	9.4	325	1.9	1.1	-1.6	5
850	1488	1546	1392	17.6	30.4	6.8	5	320	3.1	2	-2.4	6.1
800	2002	2077	1895	14.2	27.8	2.2	1	319	4.1	2.7	-3.1	7.2
750	2537	2650	2360	10.7	22.6	-0.7	-3.1	317	4.4	3	-3.2	7.6
700	3114	3225	2978	7.2	19	-2.1	-7	310	4.3	3.3	-2.8	7.5
650	3715	3851	3570	3.9	15.2	-7.5	-11	299	4.5	3.9	-2.2	7.5
600	4365	4519	4204	0.4	12.2	-10.7	-14.5	286	5.3	5.1	-1.5	8.4
550	5064	5240	4890	-3.5	8.6	-15.1	-18.5	281	6.5	6.4	-1.2	9.4
500	5804	6017	5624	-8.1	4.4	-20.9	-23.5	277	8.5	8.4	-1	11.2
450	6619	6857	6350	-13.3	-0.9	-26.9	-29.1	274	10.7	10.7	-0.8	13.4
400	7502	7775	7262	-19.2	-8.5	-32.7	-34.9	272	13.7	13.7	-0.4	16.6
350	8484	8790	8180	-25.8	-12.3	-40.3	-42.1	269	16.3	16.3	0.2	19.2
300	9585	9927	9267	-33.3	-20.9	-46.7	-50	267	18.8	18.8	1.1	21.8
250	10841	11233	10497	-42.5	-27.3	-54.3	-59.7	265	20.4	20.3	1.9	23.1
200	12314	12764	11905	-53.5	-36.7	-64.7	-69.7	263	22.3	22.1	2.9	25.1
175	13163	13646	12723	-59.6	-42.3	-73.5	-61.6	262	20.3	20.1	2.9	22.8
150	14114	14642	13653	-66	-48.1	-79.7	-77.1	263	17.2	17.1	2.2	19.5
125	15202	15787	14747	-72	-56.9	-85.7		263	13.2	13.1	1.6	14.9
100	16498	17168	16074	-75	-61.7	-90.5		264	11.5	11.4	1.2	13.3
80	17805	18529	17342	-71.4	-54.7	-89.7		271	5.7	5.7	-0.1	8.1
70	18606	19226	18112	-67.3	-42.6	-84.5		275	3.3	3.3	-0.3	6.8
60	19388	19984	19007	-63.4	-48.1	-78.1		284	1.2	1.2	-0.3	5.5
50	20670	21374	20087	-59.2	-43.7	-72.5		63	0.4	-0.4	-0.2	7.1
40	22076	22837	21437	-55.7	-37.3	-65.5		84	1.8	-1.8	-0.2	6.5
30	23919	24757	23289	-51.9	-30.9	-63.1		79	1.6	-1.6	-0.3	4.9
25	25096	25990	24440	-50.4	-35.9	-62.3		84	0.9	-0.9	-0.1	3.8
20	26599	27505	25947	-48.2	-32.3	-59.1		99	1.9	-1.9	0.3	6.8
15	28537	29267	27785	-46.6	-34.3	-56.1		106	1.5	-1.4	0.4	4.2
10	31200	32082	30399	-44.1	-30.5	-52.7		225	0.3	0.2	0.2	1.8
7	33546	34100	32800	-43.9	-36.1	-50.5		135	0.1	-0.1	0.1	0.2

FREEZING LEVEL

P	Height	H max	H min
596	4442	6420	2840

FIRST TROPOPAUSE

P	Height	Temp

SECOND TROPOPAUSE

P	Height	Temp
106	16253	-76.8

PRESSURE	HEIGHT	H max	H min	TEMP	TMAX	TMIN	DEWPT	DIR	VELO	U	V	VM
SURFACE	999.4	1007	992	15.4	24	8	11.9	315	0.3	0.2	-0.2	0.4
1000	118	182	37	15.1	21.5	8.4	11.4	315	0.1	0.1	-0.1	0.4
950	553	658	450	19.6	29.6	10.6	7.1	325	2.4	1.4	-2	4.8
925	774	875	640	18.7	25.4	11	5.5	322	2.8	1.7	-2.2	5.3
900	1019	1100	930	17	26.8	6.8	3	319	3.2	2.1	-2.4	5.3
850	1502	1584	1414	14	24.6	4.2	-1	314	4.2	3	-2.9	6.5
800	2011	2097	1920	11.1	21.4	1.8	-4.8	313	5	3.7	-3.4	7.5
750	2542	2670	2420	8.3	19.8	-4.9	-8.5	309	5.8	4.5	-3.6	8.3
700	3112	3217	3008	5.3	17.2	-3.7	-12	303	6.6	5.5	-3.6	9.2
650	3710	3850	3590	2.1	14	-6.7	-15.7	299	7.5	6.6	-3.6	10.1
600	4353	4514	4236	-1.8	9.2	-11.3	-19.4	293	9.1	8.4	-3.6	11.9
550	5046	5260	4880	-6.1	4.2	-16.5	-23.3	288	11.4	10.8	-3.6	14.2
500	5779	5996	5624	-11.1	-0.3	-26.9	-27.8	284	13.6	13.2	-3.4	16.5
450	6582	6850	6330	-16.7	-5.1	-29.5	-32.3	282	16.5	16.1	-3.4	19.6
400	7454	7748	7114	-23	-12.1	-34.3	-38.6	280	20.4	20.1	-3.7	23.9
350	8419	8750	8090	-29.8	-17.7	-41.7	-44.8	277	23.4	23.2	-2.9	27.3
300	9502	9878	9086	-37.3	-23.1	-50.5	-52.9	276	26.4	26.3	-2.7	30.7
250	10741	11157	10275	-45.5	-29.5	-58.3	-61.4	273	27.9	27.9	-1.4	32.2
200	12194	12645	11701	-55.1	-41.1	-66.7	-69.9	270	32.1	32.1	-0.2	36.9
175	13040	13815	12538	-60.2	-44.1	-74.9		269	30	30	0.5	34.1
150	13990	14518	13486	-65.4	-48.3	-79.5		269	26.5	26.5	0.6	30.1
125	15076	15557	12295	-70.5	-56.1	-83.6		269	22.1	22.1	0.2	24.7
100	16394	16916	15871	-73.5	-58.1	-87.8		272	20.1	20.1	-0.8	22.5
80	17708	18275	17199	-71.6	-56.4	-85.9		274	13.1	13.1	-0.9	15
70	18503	19125	17990	-68.8	-53.7	-81.5		276	10.1	10	-1.1	12.3
60	19380	19900	18959	-65.6	-52.1	-78.9		278	7.3	7.2	-1	9.6
50	20556	21251	20016	-61.4	-45.4	-78.3		280	6.3	6.2	-1.1	10.6
40	21952	22714	21356	-57.6	-42.2	-70.9		286	3.7	3.6	-1	7.9
30	23784	24347	23219	-53.9	-41.1	-68.7		284	4	3.9	-1	6.3
25	24934	25417	24320	-52.7	-39.5	-67.1		291	2.5	2.3	-0.9	4.9
20	26385	26916	25803	-50.4	-38.9	-65.5		280	8.4	8.3	-1.5	14.8
15	28227	28842	27660	-48.3	-33.9	-64.1		274	4.2	4.2	-0.3	7.4
10	30923	31518	30319	-46.1	-34.9	-61.5		270	2.2	2.2	0	3.1
7	33405	33907	32865	-42.9	-40.9	-46.7		270	0.4	0.4	0	0.5

FREEZING LEVEL

P	Height	H_max	H_min
625	4053	6000	2480

FIRST TROPOPAUSE

P	Height	Temp

SECOND TROPOPAUSE

P	Height	Temp
103	16281	-75.6

PRESSURE	HEIGHT	H max	H min	TEMP	TMAX	TMIN	DEWPT	DIR	VELO	U	V	VM
SURFACE	1001.7	1009	993	11.3	19	6	8.7	315	0.4	0.3	-0.3	0.7
1000	136	195	35	11.5	19.8	6.2	8.3	321	0.6	0.4	-0.5	1.1
950	562	645	456	15.3	27.4	4	4.2	322	2.9	1.8	-2.3	5.2
925	786	880	670	14.8	23	7.6	2.4	315	3.4	2.4	-2.4	5.6
900	1024	1095	910	13.6	27.8	5.4	-0.3	312	3.8	2.8	-2.5	5.9
850	1504	1600	1389	11.6	26	2.6	-4.2	308	4.9	3.9	-3	7.2
800	2008	2134	1879	9.4	21	-0.5	-7.2	303	6.2	5.2	-3.4	8.4
750	2536	2631	2400	6.9	18.4	-5.1	-10.2	302	7.3	6.2	-3.8	9.3
700	3103	3261	2969	3.9	15	-8.5	-13.2	297	8.5	7.6	-3.8	10.6
650	3697	3818	3500	0.5	11	-12.1	-17.2	293	9.9	9.1	-3.8	12.1
600	4339	4526	4180	-3.4	6.8	-15.1	-20.4	289	11.8	11.2	-3.8	14.4
550	5026	5250	4820	-7.8	2.2	-19.7	-24.5	285	14.2	13.7	-3.6	17
500	5756	5964	5509	-12.9	-2.5	-24.4	-28.6	282	16.7	16.3	-3.5	19.6
450	6554	6810	6300	-18.6	-5	-29.1	-33.4	280	18.8	18.5	-3.3	22.1
400	7418	7682	7145	-24.9	-14.3	-35.9	-39.1	279	23	22.7	-3.4	26.4
350	8364	8624	8100	-31.8	-18.3	-76.7	-45.7	278	25.5	25.3	-3.5	29.3
300	9450	9782	9103	-39.2	-26.1	-51.9	-52.7	277	28.8	28.6	-3.3	33.1
250	10676	11045	10298	-47.5	-35.3	-63.1	-61.3	274	31	30.9	-2.1	35.6
200	12118	12543	11740	-56.5	-45.3	-71.9	-70.2	271	35	35	-0.9	40.3
175	12960	13413	12576	-60.9	-49.5	-75.9	-61.8	271	32.3	32.3	-0.8	37.1
150	13904	14393	13526	-65.2	-53.9	-78.1	-67.1	272	28.4	28.4	-0.9	32.5
125	15000	15407	14593	-69.6	-57.1	-81.8		272	24.2	24.2	-0.8	27.3
100	16317	16736	15817	-73.1	-56.9	-87.9		273	24.9	24.9	-1.3	27.6
80	17623	18056	17084	-72.2	-53.7	-85.3		277	17	16.9	-2.1	18.9
70	18418	18890	17860	-69.9	-51.7	-85.9		278	12.8	12.7	-1.8	15.2
60	19341	19794	18735	-67	-49.3	-83.9		279	9.5	9.4	-1.5	12.2
50	20465	20954	19797	-63	-46.1	-80.1		280	10.8	10.6	-1.9	14.2
40	21841	22356	21103	-59.7	-43.2	-80.3		282	7.8	7.6	-1.6	10.6
30	23655	24282	22855	-55.7	-42.5	-68.5		287	4.8	4.6	-1.4	7.3
25	24797	25344	23987	-54.4	-39.8	-66.1		287	3	2.9	-0.9	4.8
20	26232	26841	25600	-52	-35.2	-64.5		282	12.3	12	-2.5	18.7
15	28091	28799	27626	-50.3	-33.1	-63.3		272	6.5	6.5	-0.2	10.1
10	30853	31439	30337	-46.8	-35.7	-62.1		266	3.9	3.9	0.3	4.7
7	32971	33012	32930	-57	-52.9	-61.1		252	1.3	1.2	0.4	1.3

FREEZING LEVEL

P	Height	H_max	H_min
647	3758	5650	1970

FIRST TROPOPAUSE

P	Height	Temp
173	13153	-66.3

SECOND TROPOPAUSE

P	Height	Temp
99	16424	-75.3