



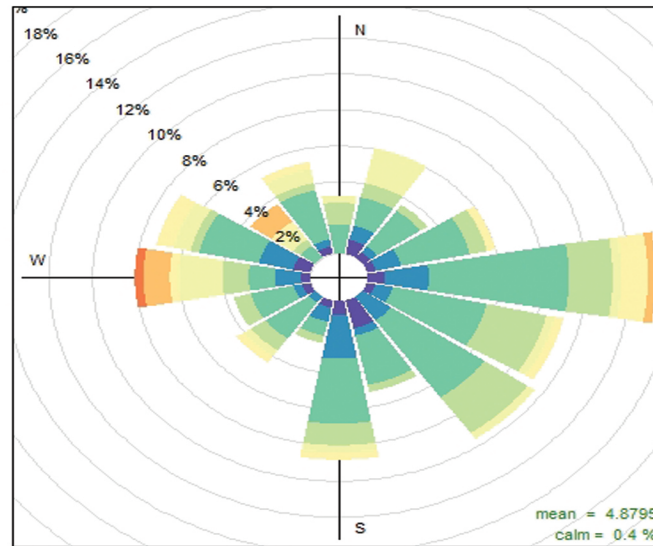
भारत सरकार / GOVERNMENT OF INDIA

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)



हैदराबाद  
HYDERABAD

सितम्बर २०२०  
SEPTEMBER 2020



भारत सरकार / GOVERNMENT OF INDIA  
पृथ्वी विज्ञान मंत्रालय/ MINISTRY OF EARTH SCIENCES  
भारत मौसम विज्ञान भवन / INDIA METEOROLOGICAL DEPARTMENT

रेडियो सौण्डे 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)

हैदराबाद  
HYDERABAD

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 **Hyderabad** (Latitude  $17^{\circ} 27'N$ , Longitude  $78^{\circ} 28'E$ ).

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 Nahush Kulkarni, Scientist- C, Climate Data and Monitoring Group (CDMG), O/o Climate Research & Services (CR&S), IMD Pune under the guidance of Shri. A.D. Tathe, Scientist E, Group Head Climate Data Management Group (CDMG). The valuable contributions were made by Shri. G.S. Dhekane, Met-B, Shri. S.H. Bhagwat, Shri. R.V. Ghoge, Smt. Gita Harikumar Smt. Vaishali Jadhav, Smt. Hasina Nisar, 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.

(Dr. D.S. Pai)  
Head CRS IMD Pune

## Table of content

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

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

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

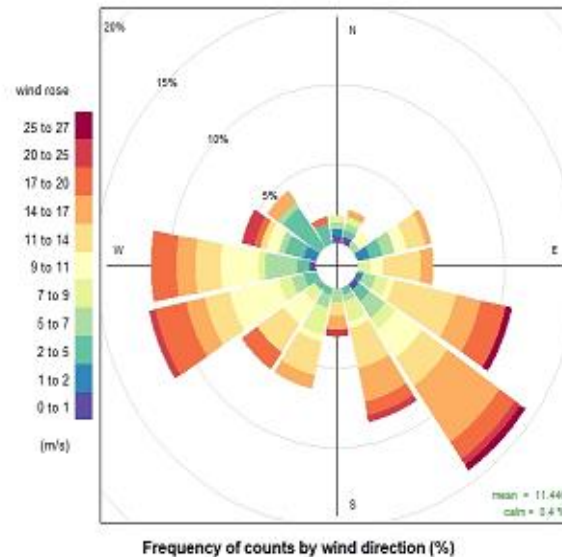
### Description of various terms used in the table (Normals of Radiosonde data)

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

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

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

## Interpretation of wind rose diagrams:



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

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

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



Hyderabad

January

1000 hPa level

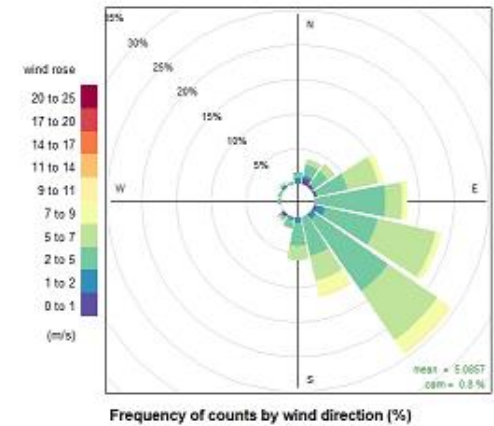
Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	0	---	---	---	---	---	---	---	---	---	---	---
12-33		---	---	---	---	---	---	---	---	---	---	---
34-56		---	---	---	---	---	---	---	---	---	---	---
57-78		---	---	---	---	---	---	---	---	---	---	---
79-101		---	---	---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

Hyderabad

January

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	1	0	0.8	0.8	0	0	0	0	0	0	0	0
12-33		0.8	0.4	1.6	0.8	0	0	0	0	0	0	0
34-56		0.4	0	2.4	1.2	0	0	0	0	0	0	0
57-78		0.4	0	4.5	4.5	0.8	0	0	0	0	0	0
79-101		0	0	10.2	2.4	0.8	0	0	0	0	0	0
102-123		0.4	1.2	7.8	8.6	0.8	0	0	0	0	0	0
124-146		0	0.8	12.7	8.6	2	0.4	0	0	0	0	0
147-168		0	0	5.3	3.7	2	0.4	0	0	0	0	0
168-191		0	0.8	3.7	2	0	0	0	0	0	0	0
192-213		0	0.4	1.2	0	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	0	0	0	0	0	0	0	0
259-281		0	0	0.4	0	0	0	0	0	0	0	0
282-303		0	0	0.4	0	0	0	0	0	0	0	0
304-326		0	0.4	0	0.4	0	0	0	0	0	0	0
327-348		0	0	0.4	0	0	0	0	0	0	0	0

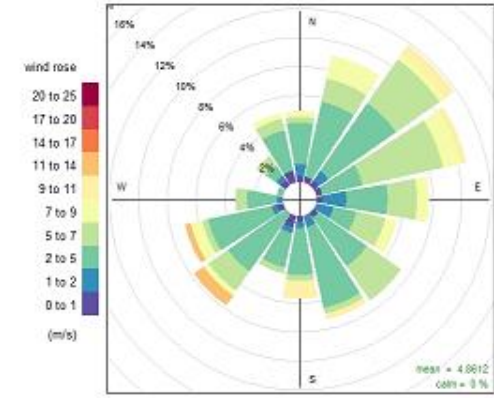


Hyderabad

January

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	2.9	0.4	0.4	0	0	0	0	0	0
12-33		0.4	0	5.3	1.6	1.6	0	0	0	0	0	0
34-56		0.4	0.8	5.7	3.7	0.4	0.8	0	0	0	0	0
57-78		0.4	0	2.9	5.7	1.2	0.4	0	0	0	0	0
79-101		0.4	1.6	2.9	2	0.8	0	0	0	0	0	0
102-123		0	1.2	1.6	2	0.8	0	0	0	0	0	0
124-146		0.4	0	4.1	2.9	0	0	0	0	0	0	0
147-168	0	0	0.8	4.9	0.4	0	0.4	0	0	0	0	0
168-191		0.4	0.4	4.1	0.4	0	1.2	0	0	0	0	0
192-213		0.8	0.4	2.4	0.4	0	0	0	0	0	0	0
214-236		0	0	4.9	1.6	0.4	0	0.8	0	0	0	0
237-258		0.4	0.4	4.5	0.4	0.8	0	0.4	0	0	0	0
259-281		0	0.4	2	0.8	0	0	0	0	0	0	0
282-303		0	0	0.4	0	0	0	0	0	0	0	0
304-326		0.4	0.4	0.8	0.8	0	0	0	0	0	0	0
327-348		0.8	0	2.9	0.8	0.4	0	0	0	0	0	0



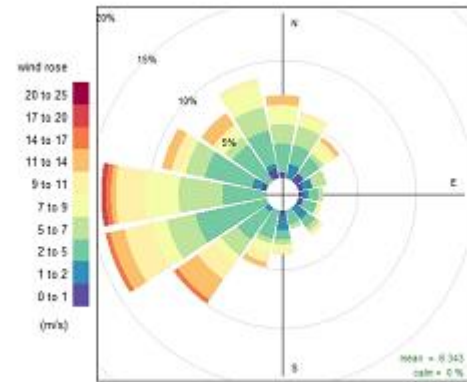
Frequency of counts by wind direction (%)

Hyderabad

January

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	2.5	1.7	1.7	0	0.8	0	0	0	0
12-33		0	1.2	1.7	1.7	0.8	0.4	0	0	0	0	0
34-56		0.8	0	1.7	0.4	0.8	0.4	0.4	0	0	0	0
57-78		0.4	0.8	0	1.2	0	0	0	0	0	0	0
79-101		0.4	0.4	0.8	0.4	0	0	0	0	0	0	0
102-123		0.4	0	1.2	0	0	0.4	0	0	0	0	0
124-146		0	1.2	0.8	0.4	0	0.4	0	0	0	0	0
147-168	0	0	0	1.2	0.4	0	0	0	0	0	0	0
168-191		0.4	1.2	0.8	0.4	0.4	0.4	0	0	0	0	0
192-213		0	0	2.5	0.4	0.8	0.8	0.4	0	0	0	0
214-236		0	0.4	2.9	1.7	0.8	1.7	2.1	0.4	0	0	0
237-258		0	0	6.2	2.5	1.2	2.5	1.2	0.4	0	0	0
259-281		0	0	3.7	3.7	2.9	2.5	0.4	0.4	0.4	0	0
282-303		0.4	0.8	4.1	1.7	0.4	0.8	0.8	0	0	0	0
304-326		0	0	3.7	0.8	0.8	0.4	1.2	0	0	0	0
327-348		0.8	0.4	2.9	2.1	2.1	0.4	0	0	0	0	0

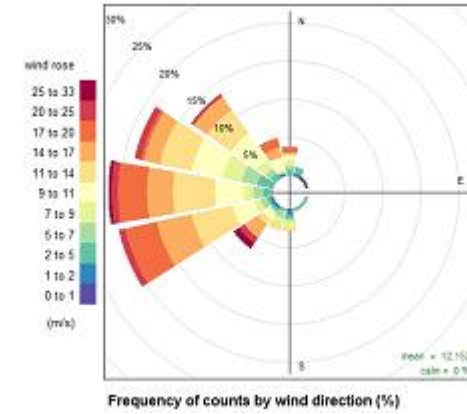


Frequency of counts by wind direction (%)

Hyderabad

January 500 hPa level

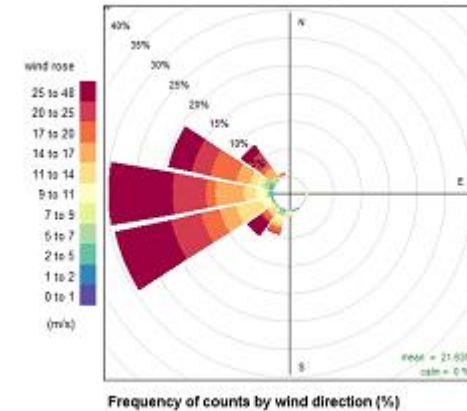
Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	0	0	0.8	0.4	0.8	0.4	0.4	0	0.8	0	0	
12-33	0	0.4	0.8	0	0	0	0	0	0	0	0	
34-56	0.4	0	0	0	0.4	0	0	0	0	0	0	
57-78	0.4	0	0	0	0	0	0	0	0	0	0	
79-101	0	0	0	0	0	0	0	0	0	0	0	
102-123	0	0	0.4	0	0	0	0	0	0	0	0	
124-146	0	0	0.4	0	0	0	0	0	0	0	0	
147-168	0	0	0.4	0	0	0.4	0	0	0	0	0	
168-191	0	0.8	0.4	0.4	0.8	0	0.4	0	0	0	0	
192-213	0	0	0.4	0.8	0.8	0	0.8	0	0	0	0	
214-236	0	0.4	0.4	0	0.4	0.8	0.8	2.1	0	0.8	0.8	
237-258	0	0.4	0.4	0.8	0.8	3	5.5	4.6	4.2	0.8	0	
259-281	0	0	1.3	1.3	1.3	3.8	5.5	3.4	3.8	0.8	0.4	
282-303	0	0	2.1	2.1	2.5	4.2	4.2	2.1	0.4	0.8	0	
304-326	0	0	0.8	0.8	1.3	4.2	3.8	2.1	0	0.4	0	
327-348	0	0.4	0	0	0.4	1.7	0	1.3	1.3	0	0	



Hyderabad

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	0.4	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	0	0.4	0	0	0	0	0	0	0	0	0
168-191	0	0	0	0.4	0	0.4	0.4	0	0	0	0	0
192-213	0	0	0.4	0.9	0	0.9	0.9	0.4	0.9	0.4	0	0
214-236	0	0	0	0.4	0.4	0	0.9	0.4	0.9	0.4	3	0
237-258	0	0	0.4	0	0	1.7	4.7	3	3.4	5.6	10.3	0
259-281	0	0	0.9	0	0.4	1.7	2.1	5.2	1.7	6	11.6	0
282-303	0	0	0.9	0.9	0.9	0.4	1.3	2.6	4.7	3.4	4.3	0
304-326	0	0	0	0.4	0	0	0.4	1.7	0.9	2.6	1.7	0
327-348	0	0	0	0	0	0	0.4	0	0.4	0	0	0

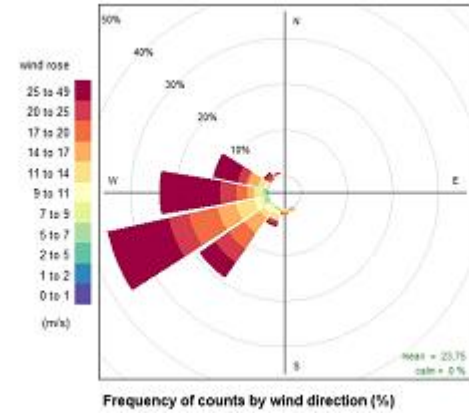


Hyderabad

January

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	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	0.5	0	0	0
168-191	0	0	0	0	0	0.5	0	0	0.9	0.5	0	0
192-213	0	0	0	0	0.5	0	0.9	1.4	0	0	0.9	0.5
214-236	0	0	0	0	0	0.5	1.4	1.4	4.1	4.1	3.6	4.1
237-258	0	0	0	0	0.9	0.9	1.4	4.1	4.1	6.4	4.5	13.6
259-281	0	0	0.5	0.5	1.4	0	0.9	1.4	2.3	3.6	3.6	13.2
282-303	0	0	0	0	0.5	0.5	1.4	2.3	0.5	1.8	1.8	5.5
304-326	0	0	0	0	0	0	0	0	0.5	0.9	0.9	0.5
327-348	0	0	0	0	0	0	0.5	0	0	0	0.5	0

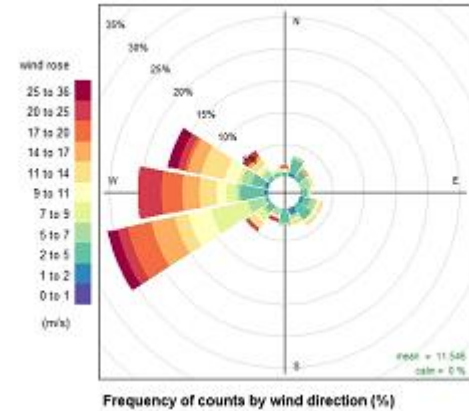


Hyderabad

January

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	0.5	0	0.5	0	0	0	0.5	0	0
12-33	0	0	0.5	2.2	0.5	0	0	0	0	0	0	0
34-56	0	0	0	1.6	0	0	0	0	0.5	0	0	0
57-78	0	0	0	0	1.6	0.5	0	0	0	0	0	0
79-101	0	0	0	1.1	0	0.5	0	0	0	0	0	0
102-123	0	0	0.5	1.1	1.1	0	0.5	0.5	0	0	0	0
124-146	0	0	0	2.7	0	0	0.5	0.5	0	0	0	0
147-168	0	0	1.1	0	0.5	0.5	0	0.5	0	0	0	0
168-191	0	0	0	2.2	0.5	0	0	0	0	0	0	0
192-213	0	0	0	0	1.1	0.5	0	0	0	0	0.5	0
214-236	0	0	0	1.1	0.5	1.1	0.5	1.1	0	0	0.5	0
237-258	0	0	0	0.5	2.7	5.9	3.8	2.2	3.8	3.8	1.6	1.6
259-281	0	0	0.5	3.8	0.5	1.6	1.6	2.7	2.7	3.2	3.8	0
282-303	0	0	0.5	2.2	1.6	0.5	2.2	3.8	2.2	0.5	1.1	1.6
304-326	0	0	0	0.5	1.1	0.5	0.5	1.1	0.5	0	1.1	0
327-348	0	0	0	0.5	0	0.5	0	0	0	0	0	0



Hyderabad

February

1000 hPa level

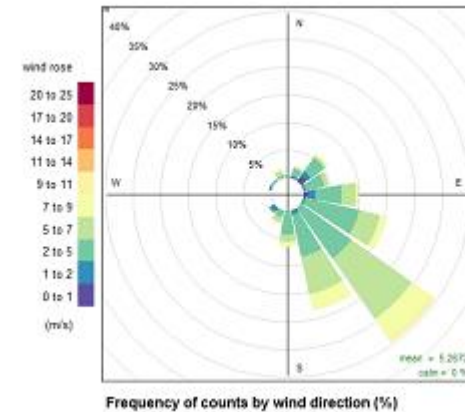
Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11												
12-33												
34-56												
57-78												
79-101												
102-123												
124-146												
147-168												
168-191												
192-213												
214-236												
237-258						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

Hyderabad

February

925 hPa level

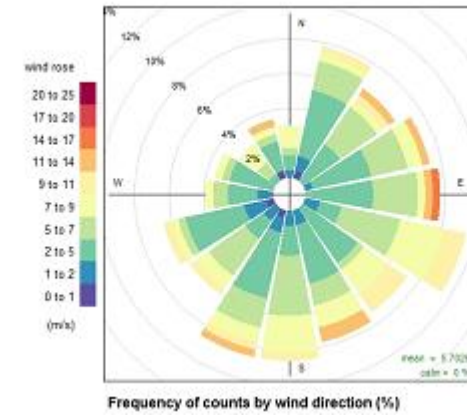
Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11		0	0	0.4	0	0	0	0	0	0	0	0
12-33		0	0.4	1.3	0.4	0	0	0	0	0	0	0
34-56		1.3	0.9	3	0.4	0.4	0	0	0	0	0	0
57-78		0	0.4	3.4	0.9	0	0	0	0	0	0	0
79-101		0.9	1.3	4.7	2.6	0.4	0	0	0	0	0	0
102-123		0	0.4	9.9	3.9	1.3	0	0	0	0	0	0
124-146		0	0	11.2	13.4	4.3	0.9	0	0	0	0	0
147-168	0	0	0.9	7.8	6.9	3	0	0	0	0	0	0
168-191	0	0	0	4.3	1.3	0.9	0	0	0	0	0	0
192-213		0	0	1.3	0.9	0	0.4	0	0	0	0	0
214-236		0	0.9	0.4	0	0	0	0	0	0	0	0
237-258		0	0	0	0	0	0	0	0	0	0	0
259-281		0	0	0	0	0	0	0	0	0	0	0
282-303		0	0.4	0	0	0	0	0	0	0	0	0
304-326		0	0	0.4	0	0	0	0	0	0	0	0
327-348		0	0	0.4	0.9	0	0.4	0	0	0	0	0



**Hyderabad**

**February 850 hPa level**

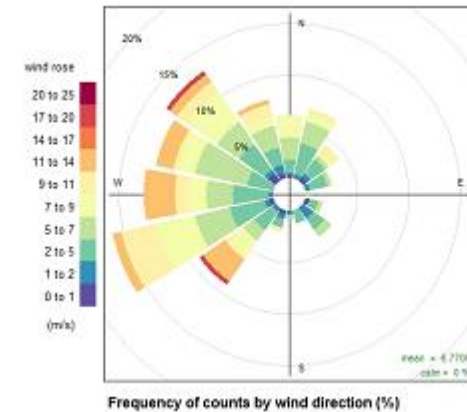
Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	0	0.4	0.9	0.4	1.3	0	0	0	0	0	0	0
12-33	0.4	0.9	3.9	1.7	0.4	0.4	0	0	0	0	0	0
34-56	0	0	2.6	2.6	0.4	0.4	0.4	0	0	0	0	0
57-78	0	0.4	3.4	2.2	0.9	0	0.4	0	0	0	0	0
79-101	0	0	3.9	2.6	0.4	0	0.4	0.4	0	0	0	0
102-123	0	0.9	1.3	3.4	2.6	1.3	0	0	0	0	0	0
124-146	0	0	3.9	0.4	1.7	1.3	0	0	0	0	0	0
147-168	0	0.9	3.4	1.3	1.3	0	0.4	0	0	0	0	0
168-191	0	0.9	1.7	3.4	2.2	0.4	0.4	0	0	0	0	0
192-213	0.4	0.9	3.9	1.7	0.9	0.4	0.4	0	0	0	0	0
214-236	0	0.9	1.3	2.6	0.9	0.4	0	0	0	0	0	0
237-258	0.4	1.3	3.4	0.4	0.4	0.4	0	0	0	0	0	0
259-281	0	0.9	1.7	0.9	0.4	0	0	0	0	0	0	0
282-303	0	0	2.6	0.4	0.4	0	0	0	0	0	0	0
304-326	0	0	0.4	0.9	1.3	0	0	0	0	0	0	0
327-348	0.4	0	1.7	0.4	0.4	0	0.4	0	0	0	0	0



**Hyderabad**

**February 700 hPa level**

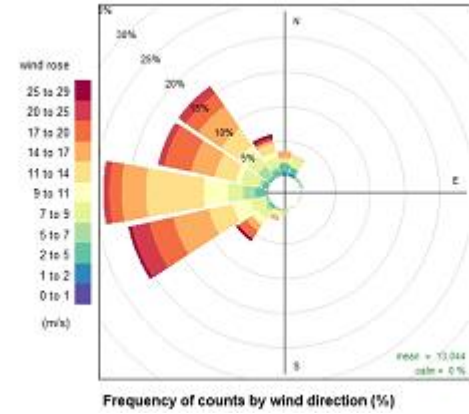
Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	0.4	0	1.3	2.2	2.2	0	0	0	0	0	0	0
12-33	0	0.4	3	2.2	0.9	0.4	0	0	0	0	0	0
34-56	0.4	0.4	1.7	0.4	0.4	0.9	0	0	0	0	0	0
57-78	0	0.4	1.7	0.4	0	0	0	0	0	0	0	0
79-101	0	0	0	0.4	0	0	0	0	0	0	0	0
102-123	0.4	0	0.9	0.4	0	0	0	0	0	0	0	0
124-146	0	1.3	1.3	0.9	0	0	0	0	0	0	0	0
147-168	0	0	1.3	0	0	0	0	0	0	0	0	0
168-191	0	0.4	0	0.4	0	0	0	0	0	0	0	0
192-213	0.4	0.4	0.9	0	0	0.4	0	0	0	0	0	0
214-236	0	0.4	2.2	1.3	1.7	0.4	2.6	0	0.4	0	0	0
237-258	0.4	0.4	3.5	3.5	3.9	3.5	0.9	0	0	0	0	0
259-281	0	0.4	3.5	2.6	1.7	1.3	3	0	0	0	0	0
282-303	0	0	2.6	5.2	1.7	0.4	1.7	0	0	0	0	0
304-326	0.9	0.4	3	2.6	3.5	1.3	0.9	0	0.4	0	0	0
327-348	0.4	0.9	1.7	2.2	0.9	1.3	0.4	0	0	0	0	0



Hyderabad

February 500 hPa level

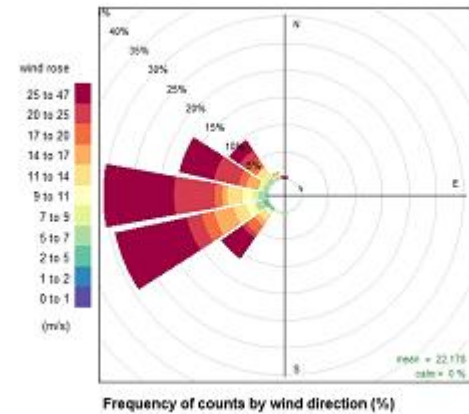
Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	0	0	0.4	1.3	0	0.4	0	0.4	0.9	0	0	0
12-33		0	0.4	0.9	0	1.3	0	0.4	0	0	0	0
34-56		0	0	0	0.4	0	0	0	0	0	0	0
57-78		0	0	0	0.4	0	0	0	0	0	0	0
79-101		0	0	0	0	0	0	0	0	0	0	0
102-123		0	0	0	0	0	0	0	0	0	0	0
124-146		0	0	0	0	0	0.4	0	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	0.4	0	0	0	0
192-213		0	0	0	0.4	0	0.4	0.4	0.4	0	0	0
214-236		0	0	0.4	0.4	1.3	0.9	0.4	0.9	1.3	0	0.4
237-258		0	0	0	0.4	2.2	2.6	3.5	5.3	3.5	2.6	0.4
259-281		0	0	1.8	1.8	2.2	3.5	8.4	3.5	1.8	0.9	0
282-303		0	0	0.9	0.4	2.6	0.9	3.1	3.5	4	0.9	0
304-326		0	0	0.4	1.8	1.8	1.8	3.1	4	2.2	1.3	0
327-348		0	0	0.9	0.4	1.3	0.9	1.3	0.4	0	0.4	0.4



Hyderabad

February 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	0.5
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	0.5	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	0.5	0	0	0	0	0	0
192-213		0	0	0	0	0	0.5	0	0	0	0	0
214-236		0	0	0.5	0	0.5	0.5	1.4	0.9	1.9	0.9	4.7
237-258		0	0	0.9	1.4	0.5	1.4	2.3	3.7	2.3	2.8	13.6
259-281		0	0	0.5	1.4	0.9	1.9	2.8	0.9	1.4	7.5	13.1
282-303		0	0	0	0.9	0.9	0	0	2.3	1.4	4.7	6.5
304-326		0	0	0	0.9	0.9	0	1.4	0	1.9	1.9	2.3
327-348		0	0	0	0.5	0.5	0	0	0.5	0	0	0

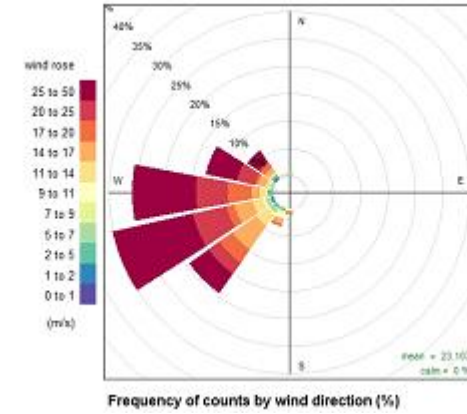




Hyderabad

February 200 hPa level

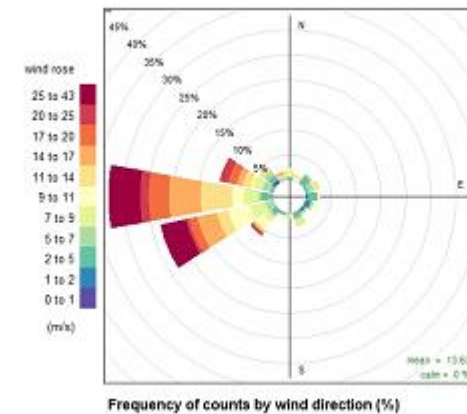
Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	0	0	0	0	0.5	0	0	0	0	0	0	0
12-33		0	0	0	0	0	0	0	0	0	0	0
34-56		0	0	0	0	0	0	0	0	0	0	0
57-78		0	0	0	0	0	0	0	0	0	0	0
79-101		0	0	0	0	0	0	0	0	0	0	0
102-123		0	0	0	0	0	0	0	0	0	0	0
124-146		0	0	0	0	0	0	0	0	0	0	0
147-168		0	0	0	0	0	0	0.5	0	0	0	0
168-191		0	0	0	0	0	0	0.5	0	0	0.5	0
192-213		0	0	0.5	0	0.5	1	0	1	0.5	0	0
214-236		0	0	0.5	1	0	0.5	2.4	5.3	2.9	2.4	4.4
237-258		0	0.5	0	1	0	0.5	1.9	3.4	1.5	6.3	15
259-281		0	0	1	0	0.5	0	1	1.5	4.4	5.8	11.7
282-303		0	0	0	0.5	0	0	1	1.5	0.5	3.4	5.8
304-326		0	0.5	0.5	0	0.5	0	0	1	1	0.5	2.4
327-348		0	0	0	0	0	0	0	0.5	0	0	0



Hyderabad

February 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	0.6	0	1.2	0.6	0	0	0	0	0
12-33		0	0	0	0	0	0.6	0.6	0	0	0	0
34-56		0	0	1.7	0.6	0	0	0	0	0	0	0
57-78		0	0	0.6	1.2	0.6	0	0.6	0	0	0	0
79-101		0	0.6	1.7	0	0	0.6	0	0	0	0	0
102-123		0	1.2	0	0.6	0	0.6	0	0	0	0	0
124-146		0	0.6	0	0.6	0	0.6	0	0	0	0	0
147-168		0	0	1.2	0.6	0.6	0	0	0	0	0	0
168-191		0	0	0	0.6	0	0	1.2	0	0	0	0
192-213		0	0	0.6	0	0	0.6	0	0	0	0	0
214-236		0	0	1.2	0.6	1.2	2.3	0	0.6	0	0.6	0
237-258		0	0	0	1.7	2.9	4.6	2.3	4	1.7	0.6	5.2
259-281		0	0	2.3	0.6	2.9	2.3	6.4	6.4	4	1.7	6.4
282-303		0	0	0.6	1.7	1.7	0.6	1.7	1.2	1.7	1.7	0
304-326		0.6	0	1.2	1.2	0	0	1.2	0	0	0	0
327-348		0	0	0	0.6	0	0	0.6	0.6	0	0	0





Hyderabad

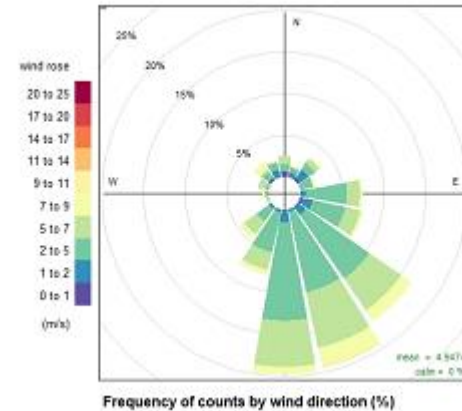
March 1000 hPa level

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												
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												

Hyderabad

March 925 hPa level

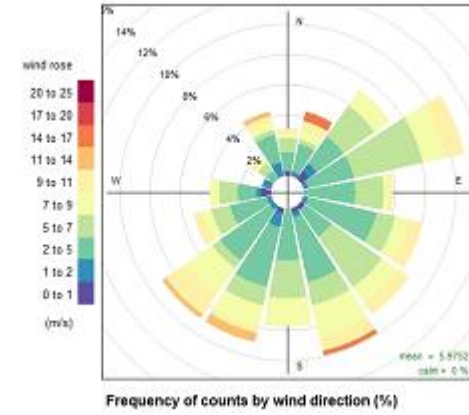
Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11		0.6	0	0.9	0.9	0	0	0	0	0	0	0
12-33		0	0.6	0.6	0	0.3	0	0	0	0	0	0
34-56		0.3	1.2	0.9	0.6	0.3	0	0	0	0	0	0
57-78		0	0	1.5	0	0.3	0	0	0	0	0	0
79-101		0	0.6	5	1.5	0.3	0	0	0	0	0	0
102-123		0.3	1.2	4	1.9	0.3	0	0	0	0	0	0
124-146		0	1.2	9.3	4.6	1.5	0	0	0	0	0	0
147-168		0	0	9.9	6.2	2.2	0.3	0	0	0	0	0
168-191	0	0	1.9	11.8	6.2	0.9	0	0	0	0	0	0
192-213		0	0.3	5	2.2	0.6	0	0	0	0	0	0
214-236		0	0.3	1.9	1.9	0.6	0	0	0	0	0	0
237-258		0	0	0	0.3	0	0	0	0	0	0	0
259-281		0	0	0.3	0	0	0.3	0	0	0	0	0
282-303		0	0	0.3	0.9	0	0	0	0	0	0	0
304-326		0.3	0	0.9	0.3	0.9	0	0	0	0	0	0
327-348		0	0.9	0.9	0	0.3	0	0	0	0	0	0



Hyderabad

March 850 hPa level

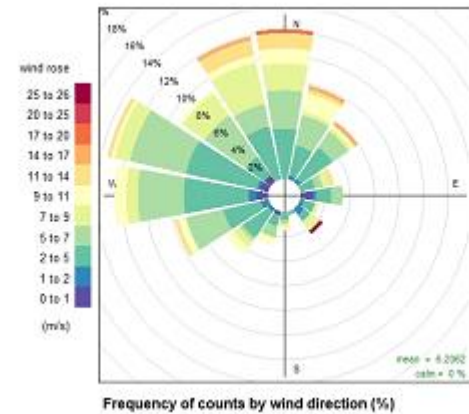
Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11		0.3	0	1.2	0.9	0.3	0.3	0	0	0	0	0
12-33		0	0.3	1.9	0.3	0.6	0.6	0	0.6	0	0	0
34-56		0.6	0.6	2.2	2.5	1.2	0	0	0	0	0	0
57-78		0	0.3	3.1	4.7	1.6	1.2	0	0	0	0	0
79-101		0	0	3.4	1.9	0.3	0.3	0	0	0	0	0
102-123		0	0.3	4.7	1.2	0.9	0.9	0	0	0	0	0
124-146		0.3	0	2.2	4	1.2	0.9	0	0	0	0	0
147-168	0	0.3	0.3	4.3	1.6	2.2	0.9	0	0.3	0	0	0
168-191		0	0	3.4	2.5	1.9	0	0	0	0	0	0
192-213		0.3	0.9	4	1.2	1.6	0.3	0.6	0	0	0	0
214-236		0	0.3	4	0.6	2.2	1.6	0.3	0	0	0	0
237-258		0	0.3	2.5	1.2	0.6	0.6	0	0	0	0	0
259-281		0.6	0.3	1.2	1.2	0.6	0	0	0	0	0	0
282-303		0	0.6	0	0	0	0	0	0	0	0	0
304-326		0	0	0.6	0.6	0.3	0.3	0	0	0	0	0
327-348		0	0.9	1.9	0.3	0.6	0.3	0.3	0	0	0	0



Hyderabad

March 700 hPa level

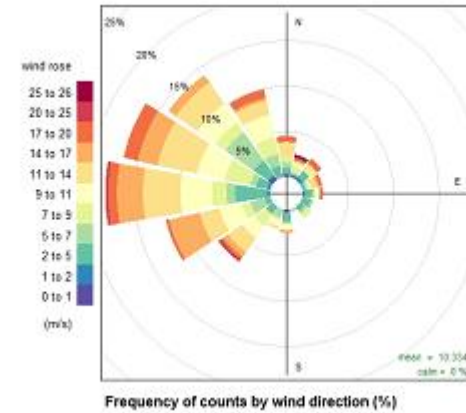
Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11		0	0	4.1	3.1	2.2	1.2	1.2	0	0.3	0	0
12-33		0	0.3	2.5	2.5	0.3	1.6	0.3	0.3	0	0	0
34-56		0	0.3	3.1	1.6	0.3	0.3	0	0.3	0	0	0
57-78		0	0	1.2	0.6	0.6	0	0.3	0	0	0	0
79-101		0.9	0.3	1.2	0.9	0	0	0	0	0	0	0
102-123		0	0.3	0.9	0	0.3	0	0	0	0	0	0
124-146		0	0.6	0.6	0	0.9	0	0	0	0	0	0.3
147-168	0	0	0	0.3	0	0	0	0	0	0	0	0
168-191		0	0	0.6	0.3	0.3	0.3	0	0	0	0	0
192-213		0.3	0	0.9	0.9	0	0.6	0	0	0	0	0
214-236		0	0.3	2.5	0.3	0.6	0.6	0	0	0	0	0
237-258		0	0.6	3.1	3.1	0	0.6	0.3	0	0	0	0
259-281		0.9	0.6	5.3	3.8	0.9	0.9	0	0	0	0	0
282-303		0.6	0.3	5.9	4.7	1.2	0.3	0.3	0	0	0	0
304-326		0.6	0	1.9	4.1	2.2	0.3	0	0	0	0	0
327-348		0	0	4.4	1.9	3.4	0.6	1.2	0.3	0	0	0



Hyderabad

March 500 hPa level

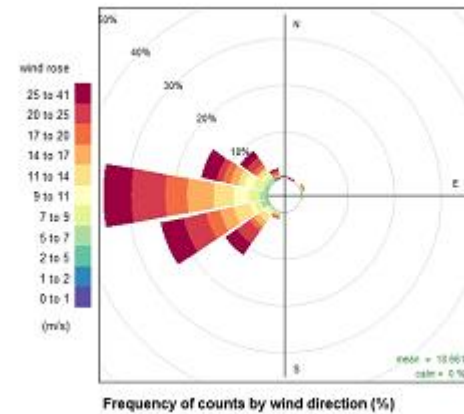
Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	0	0.3	0	0.6	0.6	0.6	0	1.6	0	0.6	0	0
12-33		0	0.3	0	0.3	0.6	0.3	0.3	0	0.3	0	0.3
34-56		0	0.3	1	0	0.6	0	0.3	0	0.6	0	0
57-78		0	0	0.3	0.3	0	0.3	0.6	0.3	0.3	0	0
79-101		0	0.3	0.6	0.3	0	0.6	0	0	0.3	0	0
102-123		0	0	1	0.3	0	0	0	0	0	0	0
124-146		0	0	0.6	0.3	0.6	0	0	0	0	0	0
147-168		0	0	0	0.3	0	0	0	0	0	0	0
168-191		0.3	0	1	0.3	0	0.6	0	0.3	0	0	0
192-213		0	0	0	1	0.3	0.6	0.3	0	0	0	0
214-236		0	0	1	0	1.6	1.6	1.9	0.6	0.3	0.3	0
237-258		0	0	0.6	1.6	1	2.5	2.2	3.5	0.3	0	0
259-281		0	0.3	3.5	1	1.6	3.5	4.1	2.9	1	0.3	0
282-303		0	0.3	1.3	0.6	2.9	3.2	4.5	2.2	1.6	0	0
304-326		0.3	0.3	1.9	3.8	1.3	2.5	2.9	1	0	0	0
327-348		0	0	1.3	1.3	1.9	2.5	1.6	0.3	1	0	0



Hyderabad

March 300 hPa level

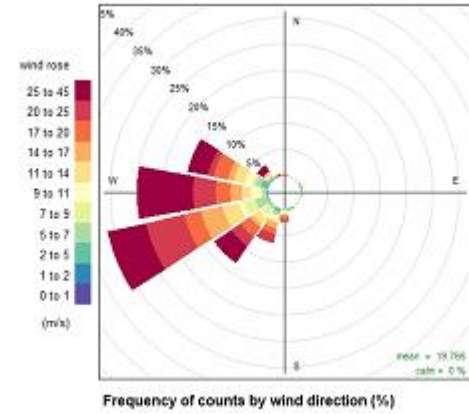
Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	0	0	0	0	0.3	0	0	0	0	0	0.3	0
12-33		0	0	0	0	0	0	0	0	0	0	0.3
34-56		0	0	0	0	0	0	0	0	0	0	0
57-78		0	0	0	0	0	0	0	0.3	0.3	0.3	0
79-101		0	0	0.3	0	0	0	0	0	0	0	0
102-123		0	0	0	0	0	0	0	0	0	0	0
124-146		0	0	0	0	0	0	0	0	0	0	0
147-168		0	0	0	0	0	0	0	0	0	0	0
168-191		0	0	0.3	0	0	0	0	0	0	0	0
192-213		0	0	0	0.3	0	0	0	0.3	0.7	0	0.3
214-236		0	0	0	0.3	0.7	1	1.3	1.3	1	3.3	3
237-258		0	0	0.3	1.3	1.3	1	3.7	3	3	5	5
259-281		0	0	0.3	1.3	2.3	3.3	4.3	5.6	4.7	7.3	6
282-303		0	0	0.3	0.7	2.3	2	1.3	1.7	1.7	1.3	3.3
304-326		0	0	0	1	0.7	0.7	1	0.3	1	1.7	1.7
327-348		0.3	0	0.3	0	0	0	0	0.3	0.7	0.3	0.3



Hyderabad

March 200 hPa level

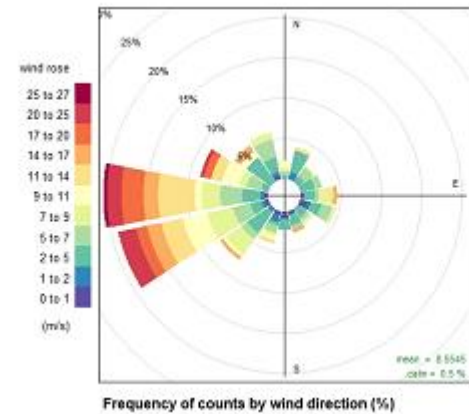
Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	0	0	0	0	0	0	0	0	0	0.4	0	0
12-33	0	0	0	0	0	0	0	0	0	0	0	0
34-56	0	0	0	0	0	0	0	0	0	0	0	0
57-78	0	0	0.4	0	0	0.4	0	0	0	0	0	0
79-101	0	0	0.4	0	0	0	0	0	0	0	0	0
102-123	0	0	0	0	0	0	0	0	0	0	0	0
124-146	0	0	0	0	0	0	0.4	0	0	0	0	0
147-168	0	0	0.4	0	0.4	0	0	0	0	0	0	0
168-191	0	0	0	0.4	0.4	0.4	0	0.4	0.7	0.4	0	0
192-213	0	0	0.7	0.7	0	1.1	0.4	1.1	1.1	1.8	0	0
214-236	0	0	0	0.7	1.4	0.7	1.4	0.7	2.1	2.1	3.9	0
237-258	0	0	0.4	2.1	2.1	1.1	3.2	4.3	3.2	7.4	7.4	0
259-281	0	0	0.4	0.7	0.4	1.8	1.8	2.1	2.8	4.3	10.6	0
282-303	0	0	1.4	1.1	0.7	1.4	2.1	1.1	2.8	1.1	3.9	0
304-326	0	0	0.4	0.4	0.4	0	0.4	0.4	0	0	1.4	0
327-348	0	0	0	0	0	0	0	0	0	0.4	0	0



Hyderabad

March 100 hPa level

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



Hyderabad

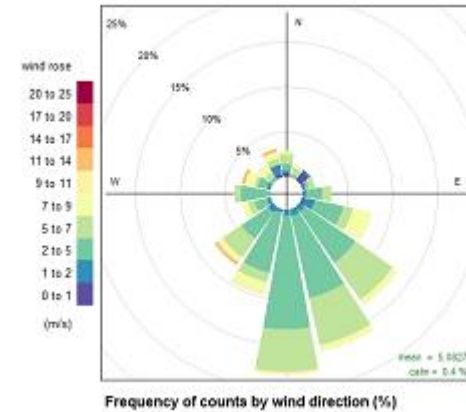
April 1000 hPa level

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												
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												

Hyderabad

April 925 hPa level

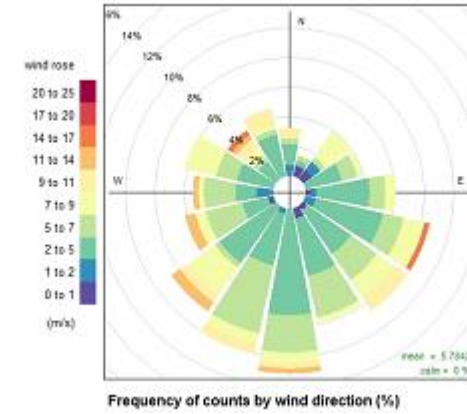
Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11		0.4	0.4	0.7	1.1	0.4	0	0	0	0	0	0
12-33		0	0	0.4	0.7	0	0.4	0	0	0	0	0
34-56		1.1	0.4	0	0	0	0	0	0	0	0	0
57-78		0	0.4	0.4	0.7	0	0	0	0	0	0	0
79-101		0	0.4	1.8	1.1	0	0	0	0	0	0	0
102-123		0.4	1.1	3.2	1.1	2.2	0	0	0	0	0	0
124-146		0	0.7	6.8	5	0.7	0	0	0	0	0	0
147-168	0	0	0.7	9	5	0.7	0	0	0	0	0	0
168-191	0	0	0.7	12.9	5	0	0.4	0	0	0	0	0
192-213		0	0.4	6.8	1.1	1.1	0.4	0	0	0	0	0
214-236		0	0.7	3.6	2.5	0.4	0.4	0.4	0	0	0	0
237-258		0	0.4	1.4	0.7	0.7	0	0	0	0	0	0
259-281		0	0	3.2	0.7	0	0	0	0	0	0	0
282-303		0	0.4	1.1	0.4	1.1	0	0.4	0	0	0	0
304-326		0	0	0.4	0.7	1.1	0	0	0	0	0	0
327-348		0.4	1.1	0	0.7	0.7	0	0.4	0	0	0	0



Hyderabad

April 850 hPa level

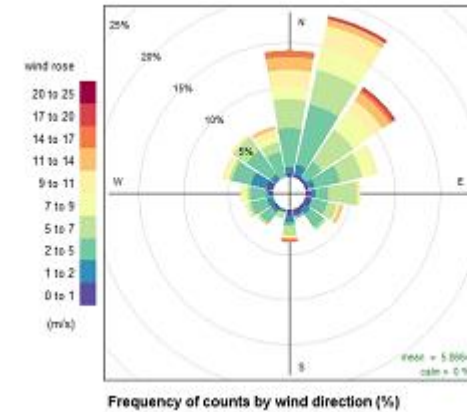
Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	0	0.7	1.4	0.4	0	0.7	0	0	0	0	0	0
12-33	0.7	0	0.4	0.4	0	0	0	0	0	0	0	0
34-56	0.7	0.7	0	0.4	2.2	0	0	0	0	0	0	0
57-78	0	0	2.5	1.1	0.4	0	0	0	0	0	0	0
79-101	0.4	0.4	3.6	1.1	0.7	0	0	0	0	0	0	0
102-123	0	0.7	4.7	1.4	1.4	0	0	0.4	0	0	0	0
124-146	0.4	0	3.6	2.2	1.4	1.1	0	0	0	0	0	0
147-168	0.7	0	4	2.9	0.4	0	0	0	0	0	0	0
168-191	0	0	7.2	2.5	0.7	0.4	0.4	0	0	0	0	0
192-213	0	0.4	3.6	4.7	0.7	0.7	0	0	0	0	0	0
214-236	0	0	4.7	0.4	2.2	0.7	0.7	0	0	0	0	0
237-258	0.4	0	1.8	2.5	0.7	0	0.7	0	0	0	0	0
259-281	0	1.1	1.4	2.2	0.4	0	0.4	0	0	0	0	0
282-303	0	0	2.5	1.4	2.2	0	0	0	0	0	0	0
304-326	0	0	1.4	0.4	0.7	0.7	0.4	0.4	0	0	0	0
327-348	0	0	2.9	0.4	0.4	1.1	0	0	0	0	0	0



Hyderabad

April 700 hPa level

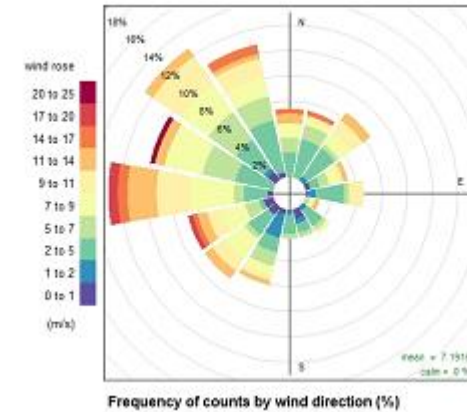
Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	0.4	0.7	4.3	3.2	1.4	1.8	1.4	0.7	0	0	0	0
12-33	0.4	1.1	6.9	4	2.5	2.5	0.7	0	0.4	0	0	0
34-56	0.4	0	2.2	4.3	2.5	1.4	1.1	0.4	0.4	0	0	0
57-78	0.4	0.7	2.9	2.5	1.4	0.4	0	0	0	0	0	0
79-101	0.7	0.4	1.4	3.2	0	0.4	0	0	0	0	0	0
102-123	0.7	0	1.8	1.1	0	0.4	0.4	0	0	0	0	0
124-146	0.4	0.7	1.8	0.4	0	0	0	0	0	0	0	0
147-168	0.7	0	0.4	0	0	0	0	0	0	0	0	0
168-191	0.7	0.7	0.4	1.1	0	0.4	0	0.4	0	0	0	0
192-213	0	0.4	0	0.7	0	0	0	0	0	0	0	0
214-236	0.4	0.4	1.4	0.4	0	0	0	0	0	0	0	0
237-258	0	0.7	1.8	0.4	0	0.4	0	0	0	0	0	0
259-281	0.4	0.4	1.8	0.4	0.4	0.4	0	0	0	0	0	0
282-303	0.7	1.8	2.2	0.4	0.4	0.4	0	0	0	0	0	0
304-326	0	0.7	3.2	1.8	0	0.4	0	0	0	0	0	0
327-348	0	0	2.9	1.1	0.7	0.7	0.4	0	0	0	0	0



Hyderabad

April 500 hPa level

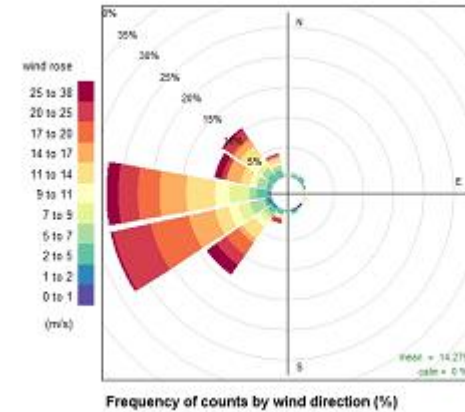
Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	0	0	1.9	1.1	1.1	0	0.8	0.4	0	0	0	0
12-33	0	0	3.1	1.1	0.4	0.4	0	0.4	0	0	0	0
34-56	0	0.4	2.7	0.4	1.1	1.1	0.8	0	0	0	0	0
57-78	0.4	0	0.8	0.8	0.8	0.4	0.4	0	0	0	0	0
79-101	0	0.8	2.3	0.4	0	1.1	0	0	0	0	0	0
102-123	0	0	0	0.4	0.4	0	0.4	0	0	0	0	0
124-146	0	0.4	1.5	0.4	0.4	0	0	0	0	0	0	0
147-168	0.8	0.4	0.8	0.4	0	0	0	0	0	0	0	0
168-191	0	0.4	1.5	0.4	0	0	0	0	0	0	0	0
192-213	0.4	1.9	1.1	1.1	0.8	0.4	0.4	0	0	0	0	0
214-236	0.8	0	1.9	0.4	1.9	1.1	0.8	0	0	0	0	0
237-258	0.8	0	0.4	1.1	1.9	1.1	0.8	0.4	0.4	0	0	0
259-281	0.4	0	1.9	0.8	3.4	2.7	2.3	0.8	0.8	0	0	0
282-303	0	0	3.1	2.7	3.1	0	0.8	0	0	0.4	0	0
304-326	0.8	0.4	2.7	2.7	2.7	2.7	0.8	0	0	0	0	0
327-348	0.4	0	4.2	1.9	1.5	1.5	0.4	0.8	0	0	0	0



Hyderabad

April 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	0.4	0	0	0	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	0.8	0	0	0	0	0	0	0	0	0
57-78	0	0	0.4	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	0.4	0	0	0	0	0	0	0
124-146	0.4	0	0	0	0	0	0	0	0	0	0	0
147-168	0	0.4	0.4	0	0	0	0	0	0	0	0	0
168-191	0	0	0.4	0	0	0	0	0	0	0	0	0
192-213	0	0	0.8	0	0.8	0	0	0	0	0.8	0	0
214-236	0	0.4	0.8	0.8	0.8	1.2	2.4	0.8	2.4	2	2	2
237-258	0	0.8	0.4	2.4	2	1.6	2.4	4.5	6.5	6.5	0.4	0.4
259-281	0	0.4	2	1.2	3.2	2.4	4.9	4.5	3.6	3.2	2	2
282-303	0	0	0.8	1.6	0.4	0.8	1.6	2.4	0	0.8	1.2	1.2
304-326	0	0	1.2	1.2	0.8	1.6	2	1.2	0.4	1.6	0.4	0.4
327-348	0	0	1.2	0.8	0	0.4	0.8	0.4	0	0.4	0	0

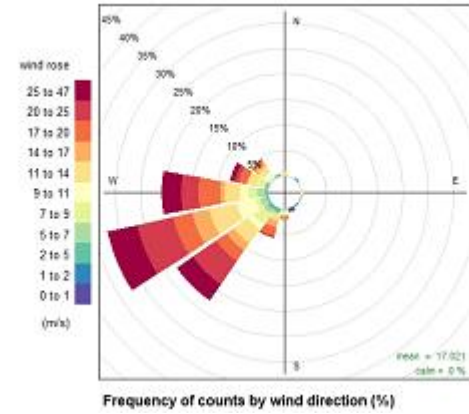




Hyderabad

April 200 hPa level

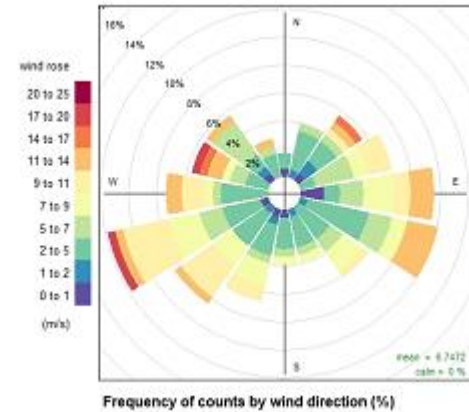
Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	0	0	0	0	0	0.4	0	0.4	0	0	0	0
12-33	0	0	0	0	0	0	0	0	0	0	0	0
34-56	0	0	0.4	0	0	0	0	0	0	0	0	0
57-78	0	0	0	0	0	0	0	0	0	0	0	0
79-101	0	0	0	0	0	0.4	0	0	0	0	0	0
102-123	0	0	0	0.4	0	0	0	0	0	0	0	0
124-146	0	0	0.4	0	0	0	0	0	0	0	0	0
147-168	0.9	0	0	0	0	0	0	0	0	0	0	0
168-191	0	0	0	0.4	0.4	0.4	0	0.4	0.4	0	0	0
192-213	0	0	0.9	0.4	0.4	0	0.9	1.3	1.7	0.4	0	0
214-236	0	0	0.9	0.9	2.6	1.3	3.4	1.7	2.6	5.5	3.8	0
237-258	0	0	0.4	1.3	0.9	3.8	5.5	3.4	3.8	7.2	6	0
259-281	0	0	0.4	1.7	1.7	1.7	3	0.9	4.3	3.4	3.8	0
282-303	0	0	0.4	0.4	1.7	0	1.7	0	1.7	0.9	0.9	0
304-326	0	0	0	0	0.4	1.3	1.3	0.9	0.9	0	0	0
327-348	0	0	0.4	0	0	0	0	0	0	0	0	0



Hyderabad

April 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	0.6	0	1.1	0	0	0	0	0	0	0	0	0
12-33	0	0.6	2.8	0.6	0	0	0	0	0	0	0	0
34-56	0.6	1.1	1.7	0.6	0	0.6	0.6	0.6	0	0	0	0
57-78	0	0	1.1	2.8	1.1	1.7	0	0	0	0	0	0
79-101	1.7	0	1.1	1.7	2.2	1.1	1.7	0	0	0	0	0
102-123	0	0.6	4.5	1.7	1.1	0	2.2	0	0	0	0	0
124-146	0	0	2.8	1.1	1.7	0.6	0	0	0	0	0	0
147-168	0	0.6	2.2	0.6	0.6	0	0	0	0	0	0	0
168-191	0.6	0	2.2	0.6	0.6	0	0	0	0	0	0	0
192-213	0.6	0.6	2.2	0.6	1.7	1.1	0	0	0	0	0	0
214-236	0	0.6	2.8	0	1.7	2.8	0.6	0	0	0	0	0
237-258	0.6	0	2.8	1.7	2.2	3.4	0.6	0	0.6	0	0	0
259-281	0	0	3.4	0.6	0.6	1.7	1.1	0	0	0	0	0
282-303	0	0	1.7	1.1	0.6	0	1.1	0.6	0.6	0	0	0
304-326	0.6	0.6	1.1	2.8	0	0	0.6	0	0	0	0	0
327-348	0	0	1.7	0.6	0	0	0.6	0	0	0	0	0





Hyderabad

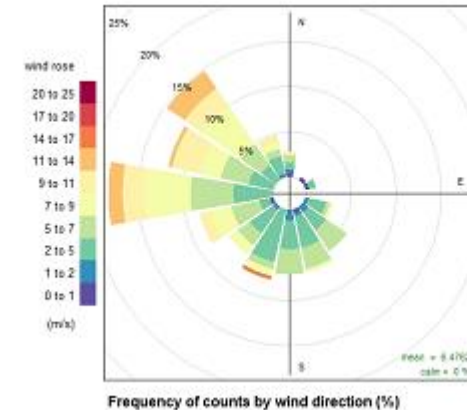
May 1000 hPa level

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												
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												

Hyderabad

May 925 hPa level

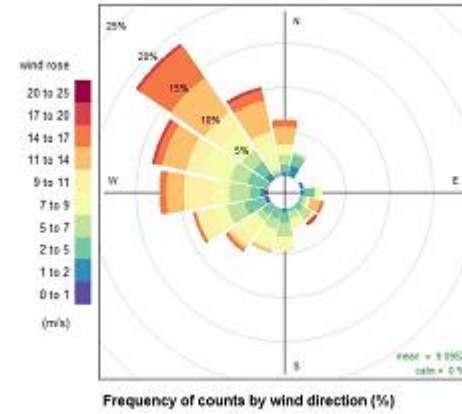
Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11		0.4	0.4	0.8	0.8	0	0.4	0	0	0	0	0
12-33		0	0	0	0	0	0	0	0	0	0	0
34-56		0.4	0	0	0	0	0	0	0	0	0	0
57-78		0.4	0	0.8	0	0	0	0	0	0	0	0
79-101		0	0	0	0	0	0	0	0	0	0	0
102-123		0	0.4	2	0.4	0.4	0	0	0	0	0	0
124-146		0	0.8	2.4	2.8	0	0	0	0	0	0	0
147-168	0	0.4	0.4	3.6	2	0.4	0	0	0	0	0	0
168-191	0	0	1.2	3.2	3.2	0	0	0	0	0	0	0
192-213		0	0	6	0.8	0.8	0	0	0.4	0	0	0
214-236		0	0.4	3.2	1.6	1.2	0	0	0	0	0	0
237-258		0.4	0	1.2	3.2	2.4	1.2	0	0	0	0	0
259-281		0	0	4.4	4.8	5.2	2.4	1.6	0	0	0	0
282-303		0	0	2.8	3.2	2.4	3.2	0.4	0	0	0	0
304-326		0	0	2	2.8	5.2	2.4	2.4	0	0	0	0
327-348		0	0.4	2	0.8	0.8	0.8	0	0	0	0	0



Hyderabad

May 850 hPa level

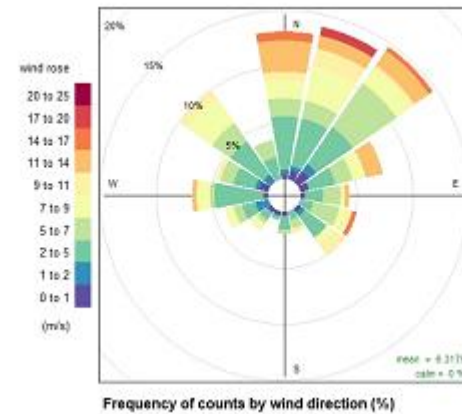
Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	0	0.4	0.8	1.2	0.8	0.4	2	0.8	0	0	0	0
12-33	0	1.2	1.2	0.4	0	0	0	0	0	0	0	0
34-56	0	0	0	0	0.4	0	0	0	0	0	0	0
57-78	0	0.4	0	0	0	0	0	0	0	0	0	0
79-101	0	0.4	1.2	0	0.8	0	0	0	0	0	0	0
102-123	0	0	0.4	0.4	0.4	0	1.2	0.4	0	0	0	0
124-146	0	0	0.8	1.2	0	0.4	0	0	0.4	0	0	0
147-168	0	0	0.4	0.8	1.2	0	0	0	0	0	0	0
168-191	0	0.4	1.2	1.6	1.2	0.4	0	0	0	0	0	0
192-213	0	0	1.2	1.2	2	0.4	0.4	0	0	0	0	0
214-236	0	0	1.2	0.8	2.4	1.2	0.4	0.4	0	0	0	0
237-258	0.4	0	2.4	2	1.6	2	0	0.4	0	0	0	0
259-281	0.4	0.4	1.2	2.4	2	3.2	2	0.8	0	0	0	0
282-303	0	0	2.4	2	3.2	2	2.8	0.8	0.4	0	0	0
304-326	0	0.8	1.6	1.6	2.8	2.4	4.8	4.4	0.4	0	0	0
327-348	0	0	0.4	0.4	3.2	1.2	3.6	1.2	0.4	0	0	0



Hyderabad

May 700 hPa level

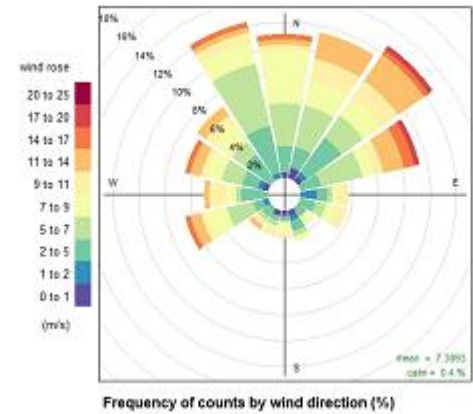
Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	0.4	0.4	4.8	1.6	1.6	0.8	2.8	0.8	0	0	0	0
12-33	0.8	0.4	4.4	1.6	3.2	1.6	1.2	0	0.8	0	0	0
34-56	1.2	0.8	4	4.8	1.6	0.4	1.6	0.4	0	0	0	0
57-78	0.8	0	2.4	1.6	1.2	0	1.6	0	0	0	0	0
79-101	0.4	0	1.6	1.6	0	0.4	0.4	0	0	0	0	0
102-123	0	0	1.2	2.4	0.8	0.4	0	0.4	0	0	0	0
124-146	0.4	0.4	2.4	0	0.8	1.2	0	0	0	0	0	0
147-168	0	0	0.8	0.8	0	0.4	0	0	0	0	0	0
168-191	0.4	0	1.2	0.4	0	0	0	0	0	0	0	0
192-213	0.4	0	0.4	0	0	0	0	0	0	0	0	0
214-236	0.4	0	0.8	0.4	0.8	0	0	0	0	0	0	0
237-258	0	1.2	1.2	0.8	0.8	0	0	0	0	0	0	0
259-281	0.4	0	4.4	0.4	1.2	0	0.4	0	0	0	0	0
282-303	0.8	0.4	2	1.2	0	0.4	0	0	0	0	0	0
304-326	0	0.8	3.6	2	2.8	0.8	0	0	0	0	0	0
327-348	0	0	2	1.6	0	0	0	0	0	0	0	0



Hyderabad

May 500 hPa level

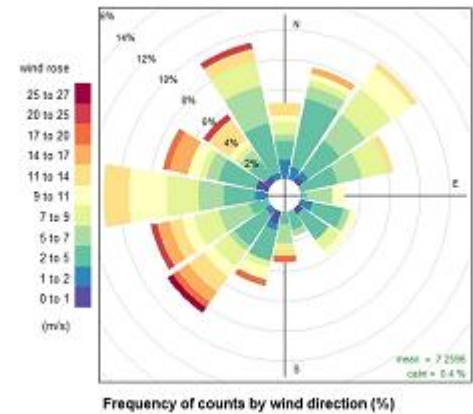
Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11		0.4	0	2	3.3	4.1	0.4	0.4	0.4	0	0	0
12-33		0.8	0	1.6	3.3	2	1.6	2	0	0	0	0
34-56		0.4	0.4	3.3	2	1.6	1.6	2.5	0.4	0.4	0	0
57-78		0	0	1.6	3.3	0.8	0.8	1.6	0.8	0.4	0	0
79-101		0	1.2	0.8	0.4	0.4	0.8	0	0	0	0	0
102-123		0	0	1.2	0.8	0.8	0.8	0	0	0	0	0
124-146		0	0	0.8	0	0.8	0	0	0	0	0	0
147-168	0	0.4	0.4	0.8	0.4	0.4	0	0	0	0	0	0
168-191		0.4	0	0.4	0	0.8	0.4	0	0	0	0	0
192-213		0.4	0	0.4	0.4	0.4	0.4	0	0	0	0	0
214-236		0	0	0.8	0.4	0	0.4	0.4	0	0	0	0
237-258		0	0.4	0.8	2	1.6	0.4	0.8	0.4	0	0	0
259-281		0	0	2	0.4	0.8	1.2	0.4	0	0	0	0
282-303		0.4	0.4	1.2	1.6	1.2	0.4	0.8	0.4	0	0	0
304-326		0	0	2.5	1.2	1.6	0.8	0.8	0	0	0	0
327-348		0	0.4	3.7	4.9	1.6	0.8	0.4	0.4	0	0	0



Hyderabad

May 300 hPa level

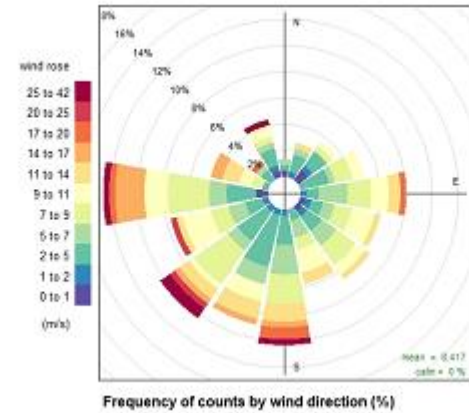
Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11		0	1.3	1.3	0.4	0.9	0.4	0.9	0	0	0	0
12-33		0	0.9	4.7	0.9	0.4	0.4	0	0.4	0	0	0
34-56		0.4	0.4	2.6	2.1	2.1	1.7	0.4	0	0	0	0
57-78		0	0	2.6	1.7	1.7	0	0.4	0	0	0	0
79-101		0	0	0.4	1.7	0	0.9	0	0	0	0	0
102-123		0	0.9	2.1	0.4	0	0.4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



Hyderabad

May 200 hPa level

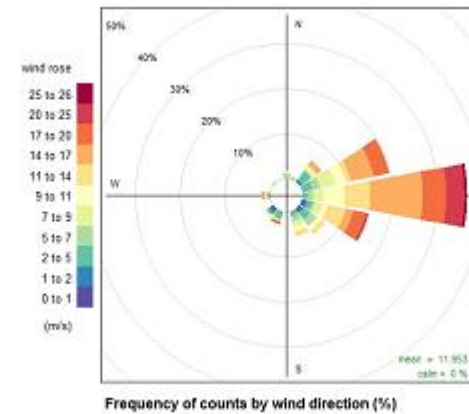
Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11		0.4	0	0.4	0.4	0	0	0	0	0	0	0
12-33		0	0.4	1.3	0.4	0	0	0.4	0	0	0	0
34-56		0.9	0.4	1.3	0	0.4	0.4	0	0	0	0	0
57-78		0	0	2.2	0.4	1.3	0.9	0	0	0	0	0
79-101		0	0.4	0.9	2.2	1.8	1.3	0.9	0	0.4	0	0
102-123		0.4	0.4	0.9	0.9	1.3	1.8	0.4	0	0	0	0
124-146		0.4	0.4	1.3	1.3	1.8	0.9	0.4	0	0	0	0
147-168	0	0	0	0.9	1.3	0.9	1.3	0.9	0	0	0	0
168-191	0	0	0.4	2.2	2.2	2.2	0.4	1.3	0.4	0.9	0	0.4
192-213	0	0	0.4	4	1.3	0	1.3	1.3	0.4	0	0	0
214-236	0	0	0.4	2.7	0.9	3.1	0.4	0.9	0.4	0	0.4	0.9
237-258	0	0	0.4	1.3	1.3	1.3	2.2	0.4	0	0	0.4	0
259-281	0	0.9	0	2.2	1.3	3.1	1.8	0	2.2	0.4	0	0.4
282-303	0	0	0	0.4	0	0.9	0.9	1.3	0.9	0	0	0
304-326	0	0	0	0.9	0.4	0	0	0	0	0.4	0	0
327-348	0	0.4	0.4	1.3	0.4	0.4	0.9	0	0	0	0	0.4



Hyderabad

May 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	1.2	0	0.6	0	0	0	0	0
12-33		0	0	0	0.6	0	0	0	0	0	0	0
34-56		0	0.6	2.3	0.6	0	0.6	0.6	1.2	0	0	0
57-78		0	0	2.3	1.7	3.5	2.3	1.2	5.2	3.5	0	0
79-101		0	0	1.2	1.2	2.3	4.7	5.8	11.6	5.2	4.1	0.6
102-123		0.6	0.6	1.2	0.6	1.7	1.2	4.1	1.7	2.9	0.6	0
124-146		0.6	0.6	1.7	1.7	0	1.2	1.2	0	0	0	0
147-168	0	0	0	1.2	0.6	1.2	1.2	1.2	0	0	0	0
168-191	0	0	0	0	0.6	0	0	0	0	0	0	0
192-213	0	0	0	1.7	0	0	0	0.6	0	0.6	0	0
214-236	0	0.6	0.6	0.6	0	0.6	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	0.6	0	0	0	0.6	0.6	0	0	0
282-303	0	0	0	0	0	0	0	0	0	0	0	0
304-326	0	0	0	0	0	0.6	0	0	0	0	0	0
327-348	0	0	0	0	0	0	0	0	0	0	0	0



Hyderabad

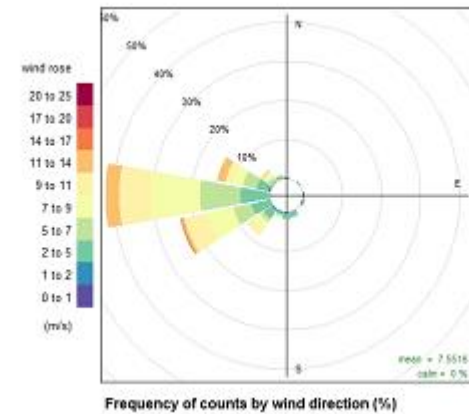
June 1000 hPa level

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												
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												

Hyderabad

June 925 hPa level

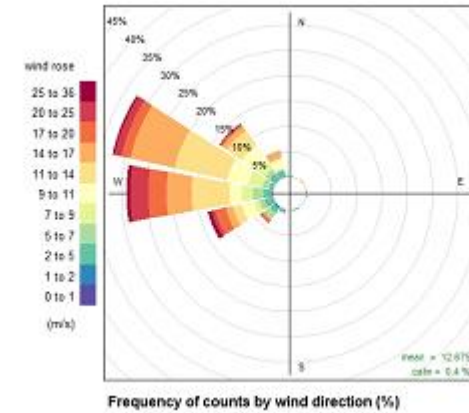
Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11		0.4	0	0	0.4	0	0	0	0	0	0	0
12-33		0	0	0	0	0	0	0	0	0	0	0
34-56		0	0	0.4	0	0	0	0	0	0	0	0
57-78		0	0	0	0	0	0	0	0	0	0	0
79-101		0.4	0	0	0	0	0	0	0	0	0	0
102-123		0	0.4	0.4	0	0	0	0	0	0	0	0
124-146		0	0	0	0	0	0	0	0	0	0	0
147-168		0	0	1.4	0.4	0	0	0	0	0	0	0
168-191	0	0	0.7	1.1	0	0	0	0	0	0	0	0
192-213		0	0.4	0.4	0.7	0.4	0	0	0	0	0	0
214-236		0	0.4	2.5	1.1	2.5	1.8	0	0	0	0	0
237-258		0	0	5	4.6	6.8	6	0.7	0.4	0	0	0
259-281		0	0	7.5	10.3	12.8	7.8	3.6	0	0	0	0
282-303		0.4	0	3.2	3.6	3.2	1.4	2.1	0	0	0	0
304-326		0	0	0.4	1.1	1.1	0.7	0.4	0	0	0	0
327-348		0	0	0.7	0.4	0.4	0	0	0	0	0	0



Hyderabad

June 850 hPa level

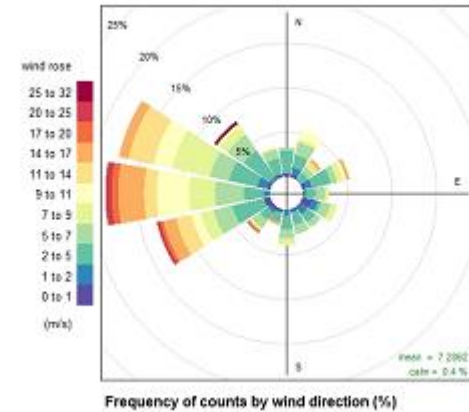
Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	0	0	0.4	0	0	0	0	0	0	0	0	0
12-33	0	0	0	0	0	0	0	0	0	0	0	0
34-56	0	0	0	0	0	0	0.4	0	0	0	0	0
57-78	0	0	0	0	0	0	0	0	0	0	0	0
79-101	0	0	0.4	0	0	0	0	0	0	0	0	0
102-123	0	0	0	0	0	0	0	0	0	0	0	0
124-146	0	0	0	0	0	0	0	0	0	0	0	0
147-168	0	0	0.4	0	0	0	0	0	0	0	0	0
168-191	0	0	0	0	0	0	0	0	0	0	0	0
192-213	0	0	0.7	0	0	0	0	0	0	0	0	0
214-236	0	0.4	1.1	1.4	0	0	0	0.4	0.7	0	0	0
237-258	0	0	1.8	1.1	1.1	2.5	1.8	1.4	2.1	0.7	0.7	0
259-281	0	0.4	1.4	2.1	2.1	2.5	7.5	5	3.6	3.6	0.7	0
282-303	0	0	0.7	1.4	2.9	4.3	10.7	8.9	1.8	1.4	0.4	0
304-326	0	0	1.4	1.1	2.1	3.6	3.6	1.1	0.4	0.4	0	0
327-348	0	0	1.4	0	0.4	1.8	0.4	1.4	0	0	0	0



Hyderabad

June 700 hPa level

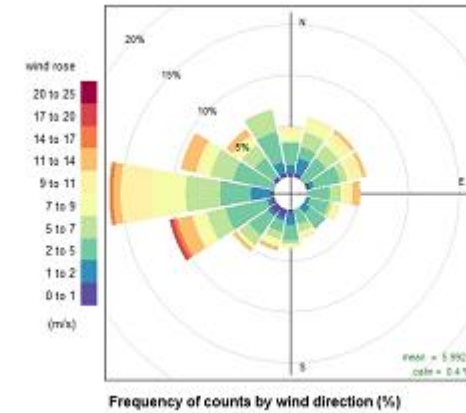
Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	0.4	0	2.5	0.4	0	0	0	0	0	0	0	0
12-33	0.4	0.7	1.4	1.4	0.4	1.1	0	0	0	0	0	0
34-56	0	0	1.1	0.7	0.4	0	0.4	0.4	0	0	0	0
57-78	0.4	0.7	2.2	0.7	0.7	0.4	0	0.4	0	0	0	0
79-101	0	0.4	1.1	1.1	0.4	0	0	0	0	0	0	0
102-123	1.1	0.7	0.4	1.1	0.7	0	0	0	0	0	0	0
124-146	0	1.1	1.1	0.7	0	0	0	0	0	0	0	0
147-168	0.4	0	1.4	1.1	0	0	0	0	0	0	0	0
168-191	0	0.7	1.4	1.1	0.7	0	0	0	0	0	0	0
192-213	0.4	0	1.1	0	0	0	0	0.4	0	0	0	0
214-236	0.4	0.4	1.1	1.1	0.4	0	0	0	0.4	0	0	0
237-258	0.7	0	3.6	2.2	1.4	1.1	1.8	1.4	0.4	0.4	0	0
259-281	0	0.7	2.2	3.3	2.9	3.6	1.4	2.9	0.7	0.7	0	0
282-303	0.4	1.1	3.3	2.2	4.3	2.2	2.9	1.1	0	0	0	0
304-326	0	0.4	3.6	2.2	1.1	0.4	0	0	0	0	0	0.4
327-348	0.4	0	1.8	1.1	0	0.4	0	0	0	0	0	0



Hyderabad

June 500 hPa level

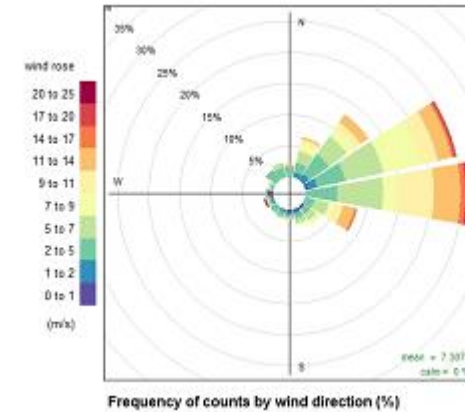
Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	0	0.4	0.8	2.3	0	1.1	0.4	0	0	0	0	0
12-33	0	0.4	1.5	1.1	1.5	1.1	0.4	0	0	0	0	0
34-56	0	0	0	2.6	1.5	0.8	0.8	0.4	0	0	0	0
57-78	0	0.4	0.4	2.6	0.8	0.4	1.1	0.4	0	0	0	0
79-101	0	0	0	2.3	1.1	0.4	0.8	0.8	0	0	0	0
102-123	0	0	0.4	1.9	0.4	0.4	0.4	0	0	0	0	0
124-146	0	0	0.8	1.9	0	0	0	0	0	0	0	0
147-168	0	0	0	1.5	0.8	0.4	0.4	0	0	0	0	0
168-191	0	0.4	1.1	1.5	0.4	0.4	0	0	0	0	0	0
192-213	0	0.8	0.4	1.1	0.8	0.8	0	0.4	0	0	0	0
214-236	0	0.8	0.4	2.3	1.1	0.4	0	0.4	0	0	0	0
237-258	0	0.4	0.4	4.2	1.9	1.1	0.4	1.5	0.4	0.4	0	0
259-281	0	0.4	1.9	3	3.4	3.4	3	0.8	0.4	0	0	0
282-303	0	0	0	4.2	2.3	1.1	0.4	1.5	0	0	0	0
304-326	0	0.4	0	2.3	1.5	0.8	0.4	0.8	0	0	0	0
327-348	0	0.4	1.1	3	2.3	0	0	0	0	0	0	0



Hyderabad

June 300 hPa level

Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	0	0	0	1.6	0	0	0	0.4	0	0	0	0
12-33	0	0	0.8	1.6	1.9	1.2	0.8	0.4	0	0	0	0
34-56	0	0	1.2	3.9	3.5	1.6	1.2	1.6	0	0	0	0
57-78	0	0.4	1.6	4.7	6.2	6.2	2.7	2.3	0.4	0.4	0	0
79-101	0	0	0	5.1	7.4	2.3	5.8	4.3	0.8	0.8	0	0
102-123	0	0	0	1.6	2.3	0.8	1.6	1.9	0.4	0	0	0
124-146	0	0.4	0	1.2	1.2	0.8	0	0	0	0	0	0
147-168	0	0.4	0.4	0.4	0.8	0.4	0	0	0	0	0	0
168-191	0	0.4	0.4	0.8	0.4	0	0	0	0	0	0	0
192-213	0	0	0.4	0.8	0.4	0	0	0	0	0	0	0
214-236	0	0	0	1.2	0	0	0	0	0	0	0	0
237-258	0	0	0.4	0.4	0.4	0	0	0	0	0.4	0	0
259-281	0	0.8	0	0.4	0	0	0	0	0	0	0	0
282-303	0	0	0	0.4	0.4	0	0.4	0	0	0	0	0
304-326	0	0	0	1.9	0	0	0	0	0	0	0	0
327-348	0	0	0	1.6	0.8	0	0	0	0	0	0	0

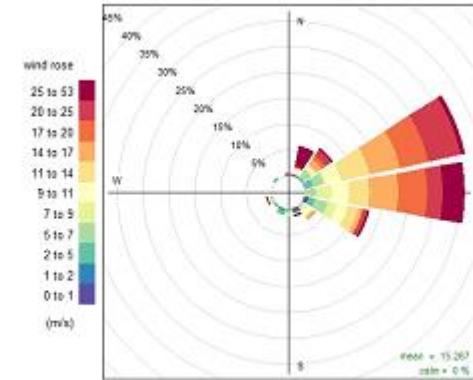




Hyderabad

June 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	0.4	0
12-33	0	0.4	0	0	0	0	1.3	0	0	0	0.4	3.9
34-56	0	0	0.4	1.7	0.4	0.4	0.4	1.3	0.9	1.3	0.4	0.4
57-78	0	0	1.7	2.2	0.4	3	5.6	6	5.6	6.5	0.9	0.9
79-101	0	0	0	2.2	3	3.4	3.9	5.6	5.6	3	4.3	4.3
102-123	0.9	0	1.3	2.6	1.7	2.2	2.2	0.9	0	0.9	0.4	0.4
124-146	0	0	0	0.4	0.9	1.3	0	0.9	0	0	0	0
147-168	0.9	0	0	0.4	0	0	0	0	0	0	0	0.4
168-191	0	0	0.4	0.4	0.4	0	0	0	0	0	0	0
192-213	0	0.4	0.9	0	0	0.4	0	0	0	0	0	0
214-236	0	0	0.4	0	0	0	0	0	0	0	0	0
237-258	0	0	0	0.4	0.4	0	0	0	0	0	0.4	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	0.4	0	0	0	0	0	0	0	0	0
327-348	0	0	0	0	0	0	0	0	0	0	0	0

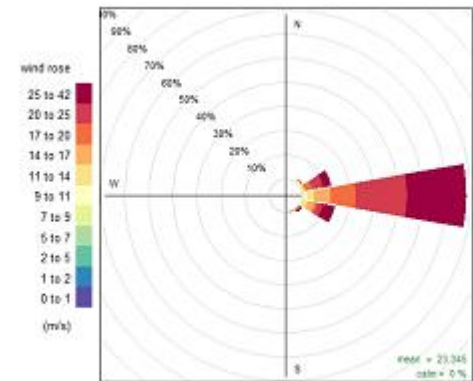


Frequency of counts by wind direction (%)

Hyderabad

June 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	0
34-56	0	0	0	0	0	0	0.6	0.6	0	0.6	0	0
57-78	0	0	0	0	0	0.6	0	0.6	0.6	2.9	4.6	3.4
79-101	0	0	0	0	0	1.1	1.1	2.9	6.9	10.3	21.3	24.7
102-123	0	0	0	0	0	0.6	0	2.3	2.9	1.1	2.3	5.2
124-146	0	0	0	0	0	0	0	0	0.6	0	0.6	0.6
147-168	0	0	0.6	0	0.6	0	0	0	0	0	0	0
168-191	0	0	0	0	0	0	0	0	0	0	0	0
192-213	0	0	0	0	0	0	0	0	0	0	0	0
214-236	0	0	0	0	0	0	0	0	0	0	0	0
237-258	0	0	0	0	0	0	0	0	0	0	0	0
259-281	0	0	0	0	0	0	0	0	0	0	0	0
282-303	0	0	0	0	0	0	0	0	0	0	0	0
304-326	0	0	0	0	0	0	0	0	0	0	0	0
327-348	0	0	0	0	0	0	0	0	0	0	0	0



Frequency of counts by wind direction (%)



Hyderabad

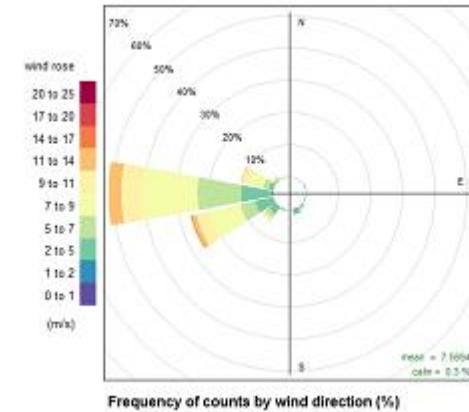
July 1000 hPa level

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												
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												

Hyderabad

July 925 hPa level

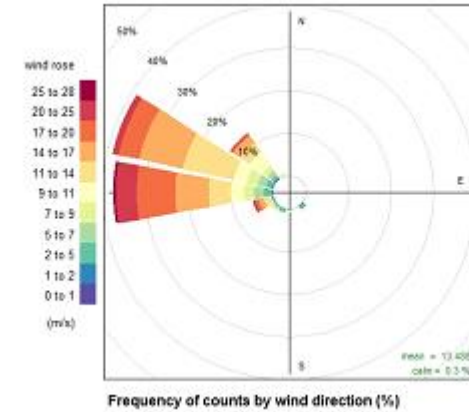
Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11		0	0	0	0	0	0	0	0	0	0	0
12-33		0	0	0	0	0	0	0	0	0	0	0
34-56		0	0	0	0	0	0	0	0	0	0	0
57-78		0	0	0.3	0	0	0	0	0	0	0	0
79-101		0	0	0	0	0	0	0	0	0	0	0
102-123		0	0	0.3	0	0	0	0	0	0	0	0
124-146		0	0	0.3	0.9	0	0	0	0	0	0	0
147-168	0	0	0.3	1.4	0	0	0	0	0	0	0	0
168-191		0	0	0.3	0	0	0	0	0	0	0	0
192-213		0	0	0.3	0.3	0.3	0	0	0	0	0	0
214-236		0	0	2.6	1.4	0.6	0.3	0.3	0	0	0	0
237-258		0	0	5.8	4.6	10.4	3.8	1.4	0.3	0	0	0
259-281		0	0.3	9.5	13.6	17.3	6.4	4	0	0	0	0
282-303		0	0	1.4	1.7	4.6	2.3	0.3	0	0	0	0
304-326		0	0	0	0.9	0.3	0.6	0	0	0	0	0
327-348		0	0	0	0.3	0	0	0	0	0	0	0



Hyderabad

July 850 hPa level

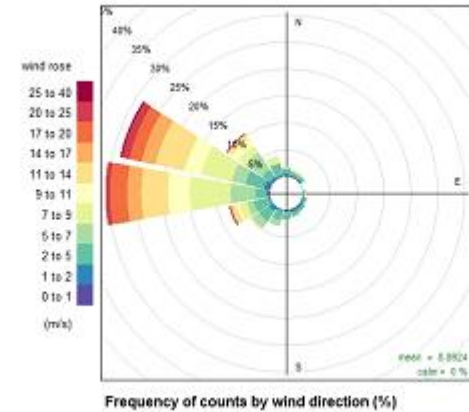
Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	0	0	0	0	0	0	0	0	0	0	0	0
12-33	0	0	0	0	0	0	0	0	0	0	0	0
34-56	0	0	0	0	0	0	0	0	0	0	0	0
57-78	0	0	0	0	0	0	0	0	0	0	0	0
79-101	0	0	0	0	0	0	0	0	0	0	0	0
102-123	0	0	0	0	0	0	0	0	0	0	0	0
124-146	0	0.3	0.9	0	0	0	0	0	0	0	0	0
147-168	0	0	0	0	0	0	0	0	0	0	0	0
168-191	0	0	0.3	0	0.3	0.3	0	0	0	0	0	0
192-213	0	0	0.9	0.3	0	0	0	0	0	0	0	0
214-236	0	0	0.3	0.6	0.6	0	0	0	0	0	0	0
237-258	0	0.3	0	0.3	0.6	0	1.2	1.2	0.9	0.6	0	0
259-281	0	0.3	1.7	2.3	2.3	3.2	5.2	7.8	9	4.9	0.6	0
282-303	0	0.3	1.5	2	2.6	3.2	12.2	10.5	4.9	1.5	0	0
304-326	0.3	0	0.9	1.2	1.5	3.8	2.6	2	0.6	0.3	0	0
327-348	0	0	0	0	0.6	0.3	0	0	0	0	0	0



Hyderabad

July 700 hPa level

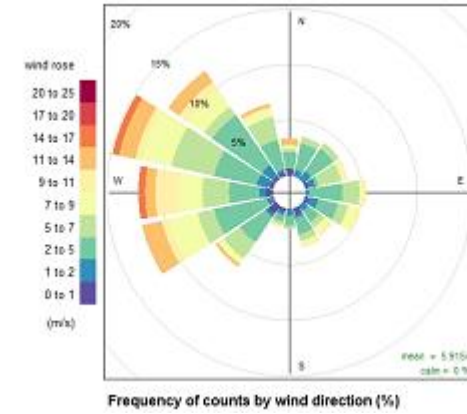
Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	0	0.6	0.9	0	0.3	0	0	0	0	0	0	0
12-33	0.3	0	0.6	0.3	0.3	0	0	0	0	0	0	0
34-56	0	0.3	0.6	0.3	0	0	0	0	0	0	0	0
57-78	0	0	0	0	0	0	0	0	0	0	0	0
79-101	0	0	0.3	0.3	0	0	0	0	0	0	0	0
102-123	0	0.3	0.6	0	0	0.3	0	0	0	0	0	0
124-146	0	0.6	0.6	0	0	0	0	0	0	0	0	0
147-168	0.3	0.3	0.9	0	0	0	0	0	0	0	0	0
168-191	0.3	0	1.5	0	0	0	0	0	0	0	0	0
192-213	0	0.3	1.7	1.2	0	0	0	0	0	0	0	0
214-236	0	0.9	2.3	1.5	0	0	0.3	0	0	0	0	0
237-258	0	0.3	2.9	1.2	1.5	0.6	0.9	0.3	0	0.3	0	0
259-281	0.3	0.3	2	4.7	7.6	4.1	4.9	2.6	3.2	0.9	0	0
282-303	0.3	0.9	3.5	2.6	5.8	3.2	5.5	2.6	2.3	1.5	0.3	0
304-326	0	0.6	1.7	3.8	1.5	1.7	0.9	0	0	0.3	0	0
327-348	0.3	0	2.3	0	1.5	0	0	0	0	0	0	0



Hyderabad

July 500 hPa level

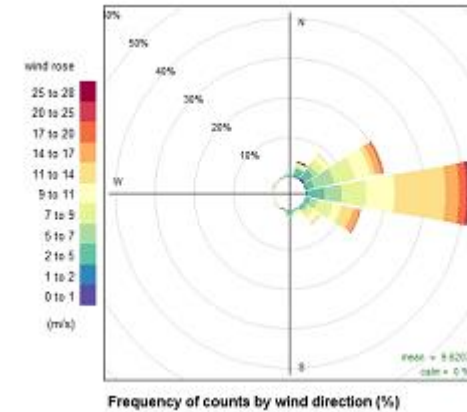
Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	0	0.6	0	1.5	0.3	0.3	0	0.6	0	0	0	0
12-33		0	0.6	2.4	0.6	0	0	0	0	0	0	0
34-56		0	0.9	2.4	0.6	0	0	0	0	0	0	0
57-78		0.3	0.6	0.3	2.1	0.3	0.3	0	0	0	0	0
79-101		0	0.3	3	1.5	0.3	0.3	0	0	0	0	0
102-123		0.3	0.9	1.8	0.9	0.9	0.3	0	0	0	0	0
124-146		0	0.6	1.2	0.6	0.6	0.3	0	0	0	0	0
147-168		0.6	0.3	1.5	0.6	0.3	0.3	0	0	0	0	0
168-191		0	0.6	0.9	0.3	0	0	0	0	0	0	0
192-213		0.3	0.3	0.6	0.3	0	0.3	0	0	0	0	0
214-236		0.9	0.3	2.7	1.8	0.6	0	0.3	0	0	0	0
237-258		0	0.6	4.8	1.5	2.7	0.6	1.8	0	0	0	0
259-281		0.6	0.6	2.7	2.4	2.1	2.1	0.9	0.6	0	0	0
282-303		0.3	1.2	3.9	3.9	2.7	0.6	1.5	0.6	0	0	0
304-326		0.3	1.2	5.4	0.9	1.8	0.9	1.2	0	0	0	0
327-348		0.3	0.3	2.7	2.1	0.6	0.3	0.3	0	0	0	0



Hyderabad

July 300 hPa level

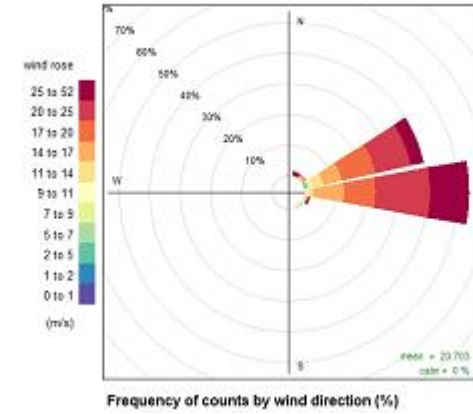
Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	0	0	0	0.6	0	0	0	0	0	0	0	0
12-33		0	0.3	1.9	0.3	0.9	0.3	0	0	0	0	0.3
34-56		0.6	0	2.5	1.3	1.9	1.6	0.3	0	0	0	0
57-78		0.3	0	1.9	5.3	5.3	4.1	1.3	1.6	0.6	0	0
79-101		0	0.3	4.4	4.4	6.3	7.2	12.9	3.4	1.9	0.9	0
102-123		0	0	1.3	1.9	4.1	2.2	3.1	1.6	0.3	0	0
124-146		0	0	0.9	0.6	1.6	1.9	0.6	0	0	0	0
147-168		0	0	0.3	0	0.9	0	0	0	0	0	0
168-191		0	0	1.3	0	0	0	0.3	0	0	0	0
192-213		0	0.3	0	0	0	0	0	0	0	0	0
214-236		0	0	0	0	0	0.3	0.3	0	0	0	0
237-258		0	0	0	0	0	0.3	0	0	0	0	0
259-281		0	0	0	0	0	0	0	0	0	0	0
282-303		0	0	0	0.3	0	0	0	0	0	0	0
304-326		0	0	0	0	0.3	0	0	0	0	0	0
327-348		0	0	0.3	0	0	0	0	0	0	0	0



Hyderabad

July 200 hPa level

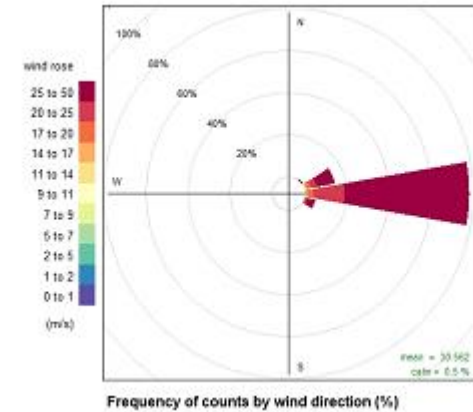
Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	0	0	0	0	0	0	0	0	0.3	0	0	0
12-33	0	0	0	0	0	0	0	0	0.3	0	0	1.3
34-56	0	0	0	0	0	0	0	0.3	1	0.3	0	0
57-78	0	0	0.7	0.7	0.7	0.7	3.6	6.3	11.2	11.9	11.9	4.3
79-101	0	0	0	0.3	0	0.7	2	9.9	10.2	17.8	12.9	12.9
102-123	0	0	0	0	0	0	1	0	0	0	0.7	0.3
124-146	0	0	0	0	0	0	0	0.3	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	0.3	0	0	0	0
192-213	0	0	0	0	0	0	0	0	0	0	0	0
214-236	0	0	0	0	0	0	0	0	0	0	0	0
237-258	0	0	0	0	0	0	0	0	0	0	0	0
259-281	0	0	0	0	0	0	0	0	0	0	0	0
282-303	0	0	0	0	0	0	0	0	0	0	0	0
304-326	0	0	0	0	0	0	0	0	0	0	0	0
327-348	0	0	0	0	0	0	0	0	0	0	0	0



Hyderabad

July 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	0
34-56	0	0	0	0	0	0	0	0	0	0	0	0.5
57-78	0	0	0	0	0	0	0.5	0	0.9	1.8	2.8	8.8
79-101	0	0	0.5	0.5	0	0	0	0.5	2.8	14.7	14.7	59.4
102-123	0	0	0	0.5	0	0	0	0	0	0	1.4	3.7
124-146	0	0	0	0	0	0	0	0	0	0	0	0
147-168	0	0	0	0	0	0	0	0	0	0	0	0
168-191	0	0	0	0	0	0	0	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	0.5	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



Hyderabad

August

1000 hPa level

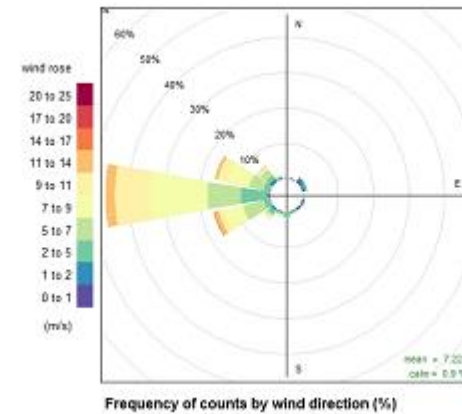
Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11												
12-33												
34-56												
57-78												
79-101												
102-123												
124-146												
147-168												
168-191												
192-213												
214-236												
237-258						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

Hyderabad

August

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	0	0.3	0	0	0	0	0	0	0	0
12-33		0.3	0	0	0	0	0	0	0	0	0	0
34-56		0.3	1.2	0	0	0	0	0	0	0	0	0
57-78		0.3	0.6	0.6	0	0	0	0	0	0	0	0
79-101		0	0	0.3	0	0	0	0	0	0	0	0
102-123		0.3	0.3	0.3	0	0	0	0	0	0	0	0
124-146		0.3	0.3	0	0.3	0	0	0	0	0	0	0
147-168	1	0	0.3	0.3	0	0	0	0	0	0	0	0
168-191		0	0	1.5	0.6	0	0	0	0	0	0	0
192-213		0	0.3	0.3	0.6	0	0	0	0	0	0	0
214-236		0	0.6	1.2	0.9	0.6	0.3	0	0	0	0	0
237-258		0	0	1.8	6.1	5.5	1.5	1.2	0.3	0	0	0
259-281		0	0.6	7.6	9.4	16.4	9.7	2.7	0	0	0	0
282-303		0	0	1.8	4.3	6.4	2.7	0.9	0	0	0	0
304-326		0.3	0.6	1.2	2.1	0.6	0.3	0.3	0	0	0	0
327-348		0	0.3	0.3	0.3	0	0.3	0	0	0	0	0

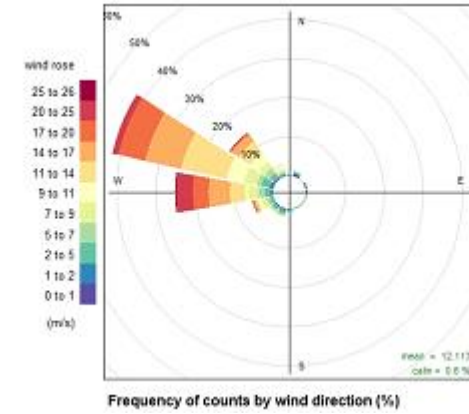


Hyderabad

August

850 hPa level

Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	0	0.3	0	0	0	0	0	0	0	0	0	0
12-33	0.6	0	0.6	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	0.3	0.3	0	0	0	0	0	0	0	0	0
79-101	0.3	0	0	0.3	0	0	0	0	0	0	0	0
102-123	0	0	0	0.6	0	0	0	0	0	0	0	0
124-146	0	0	0.3	0	0	0	0	0	0	0	0	0
147-168	0	0	0.3	0	0	0	0	0	0	0	0	0
168-191	0	0.3	0.6	0	0	0	0	0	0	0	0	0
192-213	0	0.6	0.9	0.3	0	0	0.3	0	0	0	0	0
214-236	0	0.3	0.9	0.3	0.6	0.3	0	0	0	0	0	0
237-258	0	0	0.9	0.9	1.2	0.9	0.6	0.6	0	0.3	0	0
259-281	0	0.6	1.5	1.5	2.4	0.9	4	5.5	4	4.3	0.3	0
282-303	0.3	0.6	2.1	1.2	3.4	4.6	11.9	9.5	7	1.5	0	0
304-326	0.3	0	1.5	1.5	1.8	2.7	3.7	2.1	0.3	0.3	0	0
327-348	0	0.3	0.3	0.6	0.6	0.6	0.9	0.3	0	0	0	0

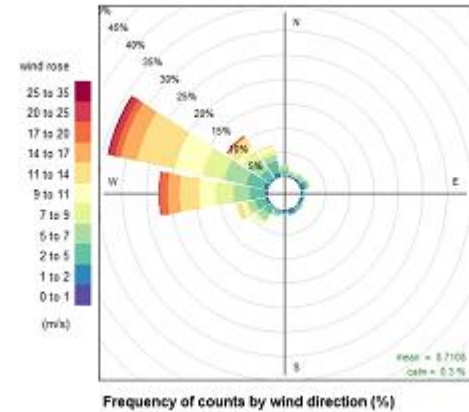


Hyderabad

August

700 hPa level

Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	0	0	1.2	0.9	0.3	0	0	0	0	0	0	0
12-33	0.3	0	0	0.9	0	0	0	0	0	0	0	0
34-56	0.3	0	0.3	0.9	0	0	0	0	0	0	0	0
57-78	0.3	0.6	0.6	0.3	0.3	0	0	0	0	0	0	0
79-101	0	0.3	0.6	0	0	0	0	0	0	0	0	0
102-123	0.3	0.3	0	0.3	0	0	0	0	0	0	0	0
124-146	0	0	0.9	0.3	0	0	0	0	0	0	0	0
147-168	0.3	0.6	0.3	0	0	0	0	0	0	0	0	0
168-191	0	0.6	0.3	0	0	0	0	0	0	0	0	0
192-213	0	0	0.9	0.6	0	0	0	0	0	0	0	0
214-236	0	0	1.8	1.5	0.6	0.6	0	0	0	0	0	0
237-258	0.3	0.3	2.2	1.5	0.6	0.6	1.2	0	0	0	0	0
259-281	0.3	0.3	3.1	3.4	3.7	3.4	4	2.5	1.5	0.3	0	0
282-303	0	0.9	3.7	4.6	4.6	5.8	8	3.4	1.2	1.2	0.3	0
304-326	0	0.3	2.2	2.8	1.8	1.2	2.2	0.3	0	0.3	0	0
327-348	0.3	0.6	2.5	1.2	0.9	0.9	0.3	0	0	0	0	0

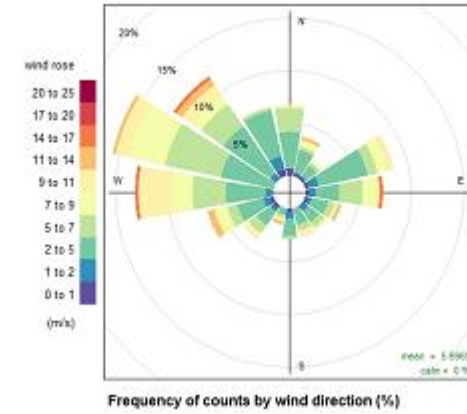


Hyderabad

August

500 hPa level

Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	0	0.6	0	3.5	2.2	0	0.3	0	0	0	0	0
12-33		0.3	0	2.2	0.3	0.6	0	0.3	0	0	0	0
34-56		0.3	0	1.3	0.3	0.3	0	0	0	0	0	0
57-78		0.3	1	4.8	1	1	0.6	0	0	0	0	0
79-101		0.3	0.6	2.2	2.2	1.3	0.3	0	0.3	0	0	0
102-123		0.3	0.3	1.6	0.6	0	0.3	0.3	0	0	0	0
124-146		0	0.6	1.3	0.6	0.3	0	0	0	0	0	0
147-168		0	0	1.6	0.6	0	0.6	0	0	0	0	0
168-191		0.3	0.6	1.6	0.3	0	0	0	0	0	0	0
192-213		0	0	0.6	0.3	0.3	0	0.3	0	0	0	0
214-236		0.3	0.3	1.6	1	0.3	0.3	0	0	0	0	0
237-258		0.3	0.6	2.6	1	1	0.3	0.6	0	0	0	0
259-281		0	0.6	3.8	3.2	1.9	3.2	0	0.3	0	0	0
282-303		0	0	5.1	5.4	3.5	1.3	0.3	0	0	0	0
304-326		0	0.6	5.4	2.6	1	1.3	0.6	0.3	0	0	0
327-348		0.6	1.3	4.5	0.3	0	0	0	0	0	0	0

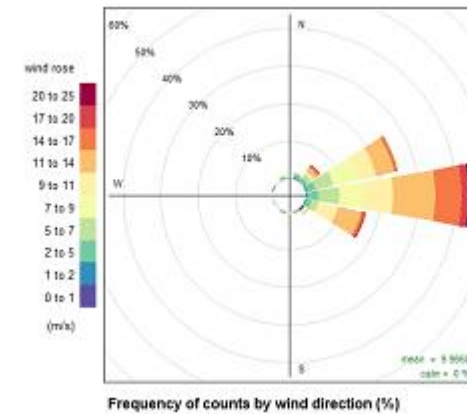


Hyderabad

August

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	0.3	0.3	0	0	0	0	0	0	0
12-33		0	0.3	1	0.3	0.3	0	0	0	0	0	0
34-56		0	0	1.3	1.3	0.3	0.3	1.3	0.7	0.3	0	0
57-78		0	0.3	2.3	5	7	4.7	5	1	0	0	0
79-101		0	0.3	3	5.6	6.6	7.6	11.3	7	2	0.3	0
102-123		0	0.3	1.3	2	0.7	4.7	6.3	0.7	0.7	0	0
124-146		0.7	0	0	0	1	0	0.3	0	0	0	0
147-168		0	0	0.7	0	0	0	0	0	0	0	0
168-191		0	0	0	0.3	0.3	0	0	0	0	0	0
192-213		0	0	0.7	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	0.3	0	0	0	0	0	0	0
259-281		0	0	0	0	0	0	0	0	0	0	0
282-303		0	0.3	0	0	0	0	0	0	0	0	0
304-326		0	0	0	0	0	0	0	0	0	0	0
327-348		0	0	0.7	0	0.3	0.3	0	0	0	0	0

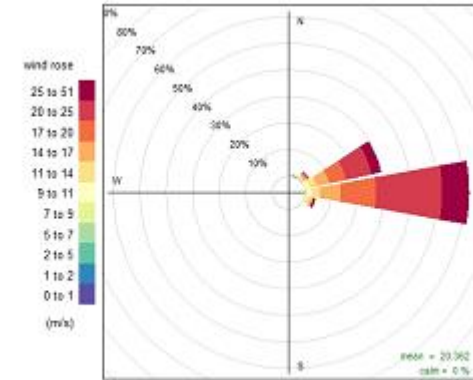


Hyderabad

August

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	0.3
34-56	0	0	0	0.3	0.3	0.3	0	1.4	0.3	0.7	0	0
57-78	0	0	0	0	0	2	2.7	4.8	6.5	9.9	3.8	0
79-101	0	0	0	0.3	0.7	1.7	3.1	7.8	13.3	24.9	10.2	0
102-123	0	0	0	0.3	0	0.7	1.4	1	0	0.3	0.7	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	0
237-258	0	0	0	0	0	0	0	0	0	0	0	0
259-281	0	0	0	0	0	0	0	0	0	0	0	0
282-303	0	0	0	0	0	0	0	0	0	0	0	0
304-326	0	0	0	0	0	0	0	0	0	0	0	0
327-348	0	0	0	0	0	0	0	0	0	0	0	0



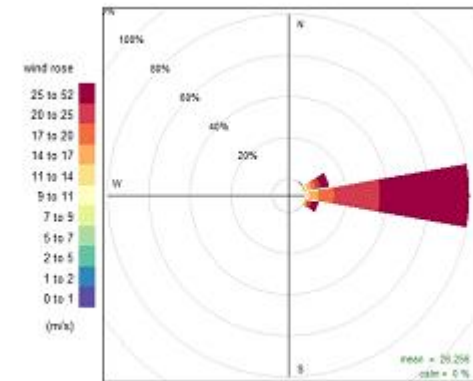
Frequency of counts by wind direction (%)

Hyderabad

August

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	0
34-56	0	0	0	0	0	0	0	0	0	0.5	0	0
57-78	0	0	0.5	0	0	0.5	0.9	1.9	1.9	2.4	4.3	0
79-101	0	0	0	0	0	0.5	1.9	4.3	7.6	22.3	43.6	0
102-123	0	0	0	0	0	0	0.5	0.9	0.5	1.9	3.3	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	0
237-258	0	0	0	0	0	0	0	0	0	0	0	0
259-281	0	0	0	0	0	0	0	0	0	0	0	0
282-303	0	0	0	0	0	0	0	0	0	0	0	0
304-326	0	0	0	0	0	0	0	0	0	0	0	0
327-348	0	0	0	0	0	0	0	0	0	0	0	0



Frequency of counts by wind direction (%)



Hyderabad

September

1000 hPa level

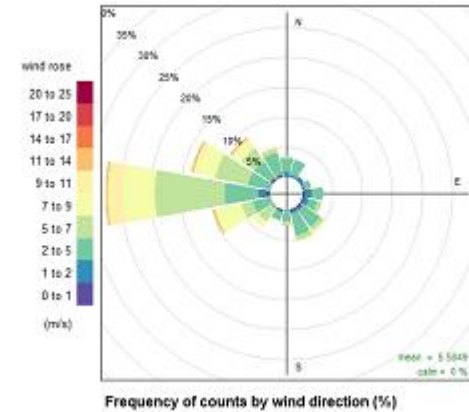
Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11												
12-33												
34-56												
57-78												
79-101												
102-123												
124-146												
147-168												
168-191												
192-213												
214-236												
237-258						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

Hyderabad

September

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	0.8	2.3	0.4	0	0	0	0	0	0	0
12-33		0	0.4	2.6	0	0	0	0	0	0	0	0
34-56		0	0.8	0	0	0	0	0	0	0	0	0
57-78		0	0.4	1.1	0	0	0	0	0	0	0	0
79-101		0.4	1.1	1.9	0	0	0	0	0	0	0	0
102-123		0.4	0.8	1.5	0.8	0	0	0	0	0	0	0
124-146		0.4	0.4	3.4	0.8	0.4	0	0	0	0	0	0
147-168	0	0.4	0.4	3.4	0.8	0.4	0	0	0	0	0	0
168-191		0	0	2.3	0.8	0	0	0	0	0	0	0
192-213		0.4	0	1.5	0	0	0	0	0	0	0	0
214-236		0	0	0.4	2.6	1.1	0	0	0	0	0	0
237-258		0	0	3	1.9	4.5	0	0.4	0	0	0	0
259-281		0.8	1.1	5.7	11.7	5.3	2.6	0.4	0	0	0	0
282-303		0	0	3.8	5.7	3	0.8	0.4	0	0	0	0
304-326		0.4	0	3.4	2.6	1.5	0.4	0.4	0	0	0	0
327-348		0.4	0	3.8	0.8	0	0.4	0	0	0	0	0

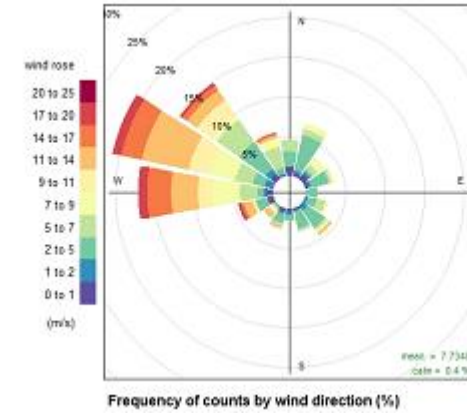


Hyderabad

September

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	1.1	0	1.9	1.5	0	0	0	0	0	0	0
12-33		0.4	0.4	4.5	0.8	0.8	0	0	0	0	0	0
34-56		0.8	0.4	0.4	0.8	1.1	0	0	0	0	0	0
57-78		0.4	0.4	2.3	0.4	0.4	0	0	0	0	0	0
79-101		0	0	1.5	0	0	0	0	0	0	0	0
102-123		0	0.4	1.1	1.1	0.4	0	0	0	0	0	0
124-146		0	0.8	2.7	0.4	0.4	0	0.4	0	0	0	0
147-168		0.4	0	1.9	0.4	0	0	0	0	0	0	0
168-191		0.4	0.4	1.1	0	0	0	0	0	0	0	0
192-213		0.4	0.4	1.1	0.4	0	0	0.4	0	0	0	0
214-236		0	0	0.4	0	0	0.8	0.8	0	0	0	0
237-258		0.8	0	1.5	0	0.4	0	1.1	0.4	0.4	0	0
259-281		0.8	0.4	0.8	2.3	3.4	1.9	3.4	3	1.1	0	0
282-303		0	1.1	1.5	2.3	3.4	2.7	6.1	2.7	1.1	0	0
304-326		0.8	0.8	4.2	3.4	0.8	2.3	1.5	0.8	0.4	0	0
327-348		0	0.4	0.8	2.7	1.1	0	0.4	0.4	0	0	0

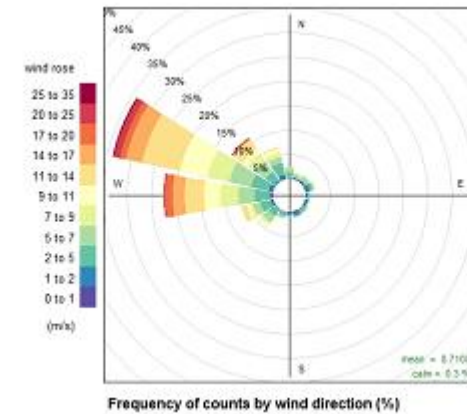


Hyderabad

September

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	1.1	1.1	1.9	1.1	0.4	0	0	0	0	0	0
12-33		0.8	1.9	3.8	1.5	0.4	1.1	0.4	0	0	0	0
34-56		0	0.8	3	0	0.8	0.4	0.4	0	0	0	0
57-78		0	0.8	3	0.4	0.4	0	0	0	0	0	0
79-101		0.4	0	2.3	1.1	0	0.4	0	0	0	0	0
102-123		0.8	0.4	4.1	0	0	0	0	0	0	0	0
124-146		0	0.4	1.5	0	0.4	0.4	0	0	0	0	0
147-168		0	0	0.4	0.4	0	0	0	0	0	0	0
168-191		0.8	0	1.1	0	0	0	0	0	0	0	0
192-213		0	0.4	0.4	0	0	0	0	0	0	0.4	0
214-236		0.4	0.4	0	0.4	0.8	0.4	0	0	0	0	0
237-258		0	0	3.4	1.9	0.8	0.8	1.1	0	0	0	0
259-281		0	0	4.1	2.3	3.4	1.9	1.5	0.8	0	0	0
282-303		0.4	0.4	4.1	4.1	1.9	1.5	0.8	0.4	0	0	0
304-326		0	1.5	3	0.8	1.5	1.5	0.8	0	0	0	0
327-348		0	1.1	4.9	2.3	1.5	0.4	0	0	0.4	0	0

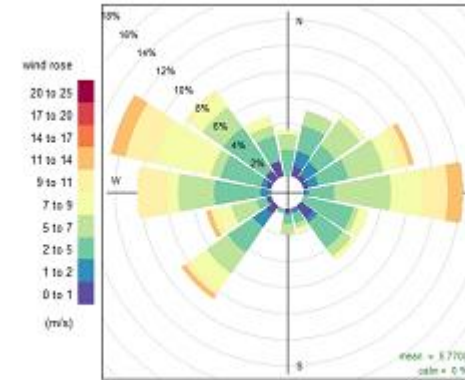


Hyderabad

September

500 hPa level

Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	0	0	2	1.2	0.4	0	0	0	0	0	0	0
12-33	0.8	1.2	2	1.2	0	0	0	0	0	0	0	0
34-56	0.4	1.2	1.6	2.4	0.4	0	0	0	0	0	0	0
57-78	0.4	0.8	2.4	2.8	1.2	0.8	0.4	0	0	0	0	0
79-101	0	0.4	2	4.3	2.4	2	1.2	0	0	0	0	0
102-123	0	0	4	0.4	0.8	0	0	0	0	0	0	0
124-146	1.2	0.4	2.4	0.8	0.4	0	0	0	0	0	0	0
147-168	0	0.4	0.8	0.4	0.4	0	0	0	0	0	0	0
168-191	0.4	0	0.8	0.8	0	0	0	0	0	0	0	0
192-213	0	0	0.4	0	0	0	0	0	0	0	0	0
214-236	0.8	1.2	2.4	2	1.6	0.4	0.4	0	0	0	0	0
237-258	0.4	0	0.8	2	1.2	0.4	0.4	0	0	0	0	0
259-281	0	0.8	3.6	2.8	0.8	2.4	0	0	0	0	0	0
282-303	0.4	0.4	3.2	0.8	4.3	2.4	1.2	0	0	0	0	0
304-326	0.8	0	4	2	1.2	0.4	0	0	0	0	0	0
327-348	1.2	0	2	0.8	0.8	0	0	0	0	0	0	0



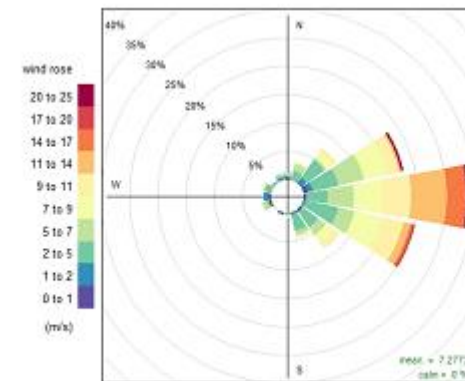
Frequency of counts by wind direction (%)

Hyderabad

September

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	0.4	0	0.4	0.4	0	0	0	0	0	0	0	0
12-33	0	0	1.7	1.3	0.4	0	0	0	0	0	0	0
34-56	0	1.3	3.8	0.4	1.3	0.8	0	0	0	0	0	0
57-78	0.8	0.8	4.6	4.6	4.2	2.1	0.4	0	0	0.4	0	0
79-101	0.4	0	3.8	4.6	5	5	6.3	3.4	0.4	0	0	0
102-123	0	0.4	5.9	2.9	5	3.8	1.3	0.4	0.4	0	0	0
124-146	0.4	0	3.4	1.7	1.7	1.3	0	0	0	0	0	0
147-168	0	0.4	2.9	0.8	0.4	0	0	0	0	0	0	0
168-191	0	0	0.4	0	0.4	0	0	0	0	0	0	0
192-213	0.4	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	0.4	0	0.4	0.8	0	0	0	0	0	0	0	0
259-281	0.4	0.8	0	0	0	0	0	0	0	0	0	0
282-303	0	0	1.3	0	0.4	0	0	0	0	0	0	0
304-326	0	0	0.4	0	0	0	0	0	0	0	0	0
327-348	0	0.4	0.4	0.4	0	0	0	0	0	0	0	0



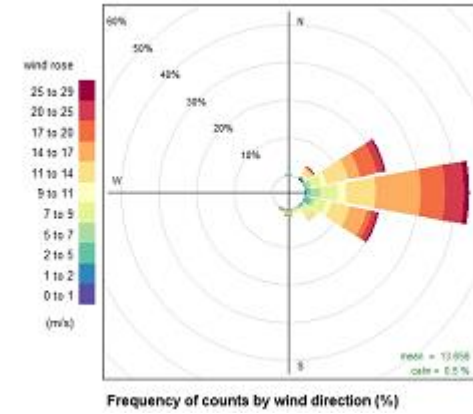
Frequency of counts by wind direction (%)

Hyderabad

September

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	0.5	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	0.5	0	0.5	0	0.5	0.5	1.4	0.5	0	0.5	0	0
57-78	0	0	0.5	1.4	2.8	1.4	6	3.2	4.6	1.8	0.5	0
79-101	0	0.5	0.9	2.8	4.6	2.3	7.8	11.9	6.4	5	1.4	0
102-123	0	0	1.8	0.9	3.2	1.4	5	4.6	1.4	1.4	0.5	0
124-146	0	0	0.5	0.5	2.8	0	1.4	0	0	0	0	0
147-168	0	0	0	0.5	0.5	0	0.5	0	0	0	0	0
168-191	0	0	0.9	0	0.5	0	0	0	0.5	0	0	0
192-213	0	0	0.5	0	0	0	0	0.5	0	0	0	0
214-236	0	0	0	0	0	0	0	0	0	0	0	0
237-258	0	0	0	0	0	0	0	0	0	0	0	0
259-281	0	0	0	0	0	0	0	0	0	0	0	0
282-303	0	0	0	0	0	0	0	0	0	0	0	0
304-326	0	0	0	0	0	0	0	0	0	0	0	0
327-348	0	0	0	0	0	0	0	0	0	0	0	0

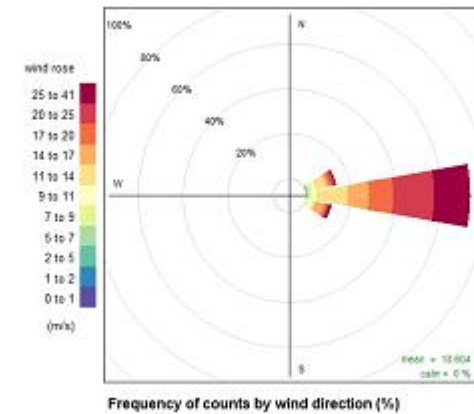


Hyderabad

September

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	0.7	0	0	0	0	0	0
34-56	0	0	0	0	0	0	0	0	0	0	0	0
57-78	0	0	0.7	0.7	2	1.3	4.7	1.3	1.3	1.3	1.3	0.7
79-101	0	0	0.7	0.7	1.3	2	14.1	9.4	10.7	18.1	16.1	0
102-123	0	0	0	0	1.3	2	1.3	4	1.3	0.7	1.3	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	0
237-258	0	0	0	0	0	0	0	0	0	0	0	0
259-281	0	0	0	0	0	0	0	0	0	0	0	0
282-303	0	0	0	0	0	0	0	0	0	0	0	0
304-326	0	0	0	0	0	0	0	0	0	0	0	0
327-348	0	0	0	0	0	0	0	0	0	0	0	0



Hyderabad

October

1000 hPa level

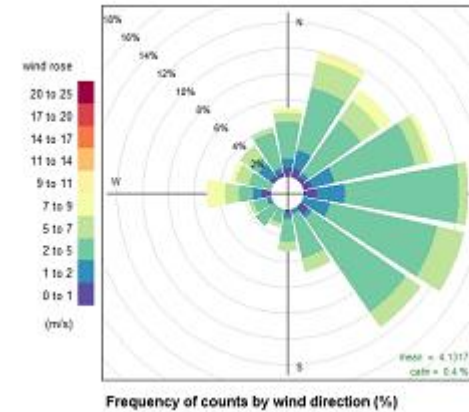
Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11												
12-33												
34-56												
57-78												
79-101												
102-123												
124-146												
147-168												
168-191												
192-213												
214-236												
237-258						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

Hyderabad

October

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		0.7	0.7	2.8	0.7	0.4	0	0	0	0	0	0
12-33		0.7	1.4	5	2.1	0.4	0.4	0	0	0	0	0
34-56		0.4	0.4	5	1.8	1.1	0	0	0	0	0	0
57-78		0.7	1.8	6.4	1.1	0.4	0	0	0	0	0	0
79-101		1.1	2.1	8.9	0.7	0	0	0	0	0	0	0
102-123		0	2.1	8.5	2.1	0	0	0	0	0	0	0
124-146		0.7	0.4	8.9	1.4	0	0	0	0	0	0	0
147-168	0	0	0.4	3.6	1.1	0	0	0	0	0	0	0
168-191		0.4	0.4	1.8	0.7	0	0	0	0	0	0	0
192-213		0	0	1.1	0.4	0	0	0	0	0	0	0
214-236		0	0	1.8	0	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		0.7	0.7	1.1	1.1	1.4	0	0	0	0	0	0
282-303		0	0	1.8	1.1	0.4	0	0	0	0	0	0
304-326		0.4	1.1	0.7	1.1	0	0	0	0	0	0	0
327-348		0.4	0.4	2.8	0.4	0	0	0	0	0	0	0

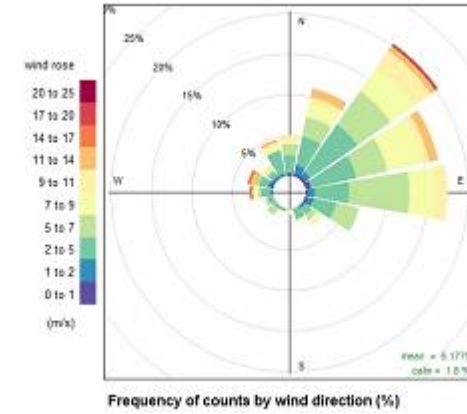


Hyderabad

October

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	2.1	1.4	0.4	0.7	0	0	0	0	0
12-33		0.4	1.1	3.6	2.5	1.8	0.7	1.1	0	0	0	0
34-56		0.4	0.7	7.1	5	3.6	2.5	0.7	0	0.4	0	0
57-78		0.7	0	5.7	3.9	4.6	0.7	1.1	0	0	0	0
79-101		0.4	0.7	4.3	7.5	3.2	1.4	0	0	0	0	0
102-123		0.4	0.7	2.8	2.8	0	0	0	0	0	0	0
124-146	0	0	0.4	1.1	0.7	0.4	0.4	0	0	0	0	0
147-168		0	0	1.4	0	0.4	0	0	0	0	0	0
168-191		0	0	0	0.4	0.4	0	0	0	0	0	0
192-213		0	0	0.4	0	0	0	0	0	0	0	0
214-236		0	0	0.4	1.1	0	0	0	0	0	0	0
237-258		0	0	0.7	0.4	0	0	0	0	0	0	0
259-281		0	0.4	1.1	0.4	0.4	0.4	0	0.4	0	0	0
282-303		0.4	0.4	1.1	0.4	0	0	0.7	0.4	0	0	0
304-326		0	0.4	0.7	0.4	0.4	0.4	0	0	0	0	0
327-348		0	0.4	2.8	0	0.7	0.4	0.4	0	0	0	0

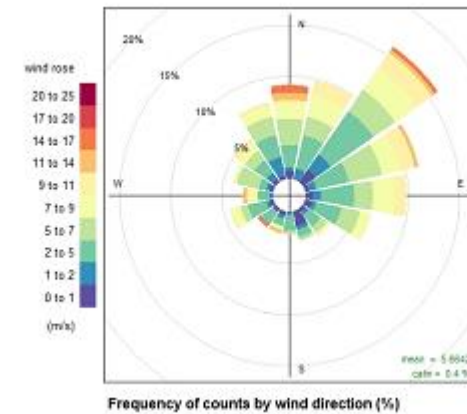


Hyderabad

October

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		0.7	0.4	2.2	2.6	1.5	0.4	0.7	0.7	0	0	0
12-33		0	1.1	3.3	1.8	2.2	1.5	0	0	0	0	0
34-56		1.5	1.8	5.1	2.6	2.6	1.8	0.4	0.4	0	0	0
57-78		0.4	0.7	3.3	3.3	1.8	1.5	0.4	0	0	0	0
79-101		0.7	0.7	3.3	1.8	2.2	1.1	0	0	0	0	0
102-123		0.7	0.4	2.6	1.8	1.1	0	0	0	0	0	0
124-146	0	0.4	0.4	1.5	0.7	0.4	0	0	0	0	0	0
147-168		1.1	0.4	0.7	0.4	0	0	0	0	0	0	0
168-191		0.4	0.4	1.5	0.4	0	0	0	0	0	0	0
192-213		0.4	0.4	0.7	0	0.4	0	0.4	0	0	0	0
214-236		0.4	0	1.5	0	0	0	0	0.4	0	0	0
237-258		0.4	0.4	1.8	0.7	1.1	0	0	0	0	0	0
259-281		0	0.4	1.1	0	0.7	0.4	0.4	0	0	0	0
282-303		0.4	0.4	0.7	2.2	0.4	0	0	0	0	0	0
304-326		0.4	0.7	1.5	1.1	0.7	0.7	0	0	0	0	0
327-348		0.4	1.8	2.2	1.8	1.1	0.4	0	0	0	0	0

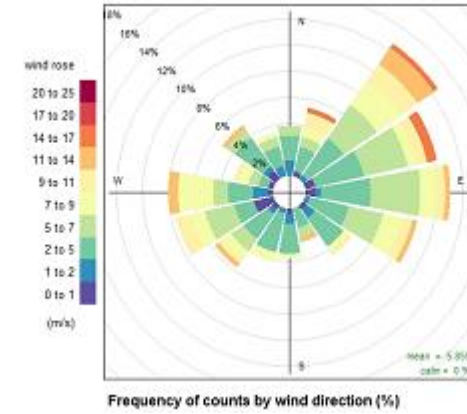


Hyderabad

October

500 hPa level

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

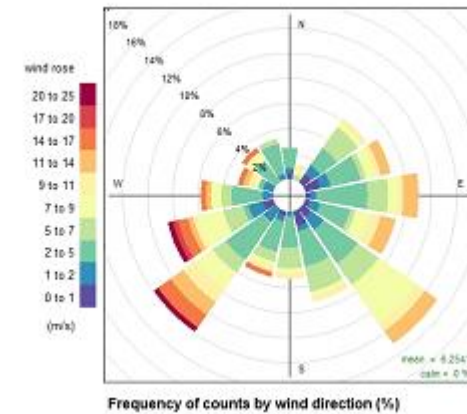


Hyderabad

October

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	0.4	0.4	1.6	0	0	0	0	0	0	0	0	0
12-33	0	0	0	0.4	0.4	0.4	0	0	0	0	0	0
34-56	0.8	0.8	1.6	2	0.4	0.4	0	0	0	0	0	0
57-78	1.2	0.8	2.5	0.4	0.8	0.4	0.8	0	0	0	0	0
79-101	0.4	0.4	4.1	1.6	0.8	0.4	1.2	0	0	0	0	0
102-123	0.4	0.8	2.5	0.4	1.2	0.8	1.2	0	0	0	0	0
124-146	0.8	1.2	3.3	2	3.7	0.8	1.2	0	0	0	0	0
147-168	1.2	0.4	2.9	2	0.4	0.4	0	0	0	0	0	0
168-191	0	0.4	2.5	1.6	0.4	0.4	0	0	0	0	0	0
192-213	0.4	0.4	2.5	0.8	0.4	0.4	0	0.4	0	0	0	0
214-236	0	1.2	3.7	1.2	1.6	1.2	1.2	1.2	0	0.4	0	0
237-258	0.8	1.2	0.4	1.6	2	0.4	0.4	0.8	0.4	0.4	0	0
259-281	0	0.8	2.5	0.8	0.8	0	0.4	0.4	0	0	0	0
282-303	0	0.8	0.4	0	0.4	0.4	0.4	0.4	0	0	0	0
304-326	0	0	2	0	0.8	0	0	0.4	0	0	0	0
327-348	0	0.4	2.5	0.4	0	0	0	0	0	0	0	0



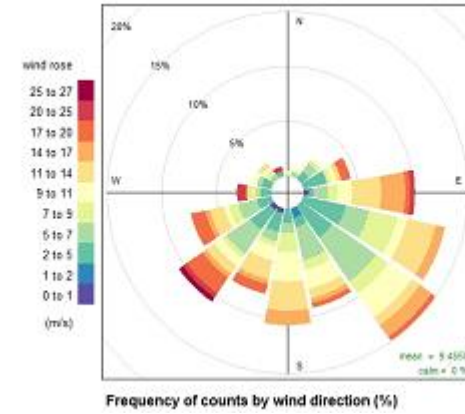


Hyderabad

October

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	0.4	0	0	0	0	0	0
12-33	0	0	0	0	0.4	0	0.4	0	0	0	0	0
34-56	0	0	0.9	0.9	0.4	0	0	0	0	0	0	0
57-78	0	0	2.2	0	0.4	0.4	0.4	0	0.9	0	0	0
79-101	0.4	0	0.4	1.3	0.9	1.3	2.7	2.2	0.4	0.4	0	0
102-123	0	0	4	2.2	2.7	0.9	2.7	0.9	0	0	0	0
124-146	0	0	3.5	4.9	1.3	2.7	0.9	1.3	0.4	0	0	0
147-168	0	0.9	0.9	3.1	0.9	1.3	0.9	0.4	0.4	0	0	0
168-191	0	0	1.3	0.9	1.8	3.1	2.7	1.3	0	0	0	0
192-213	0.4	0	1.8	0.9	0.4	1.3	1.8	0.4	0.9	0	0	0
214-236	0.4	0	2.2	2.7	0.4	0.9	0.9	0.4	1.8	0.4	0.4	0
237-258	0	0	1.3	1.8	0.9	0.4	1.3	0.4	1.3	0	0	0
259-281	0	0	0.9	0.4	0.4	0	0.4	0	0	0	0.9	0
282-303	0	0	0.9	0.4	0	0.4	0	0	0	0	0	0
304-326	0	0	0	0.4	0.4	0.4	0.4	0	0	0	0	0
327-348	0	0	0.4	0	0	0	0	0	0	0	0.4	0

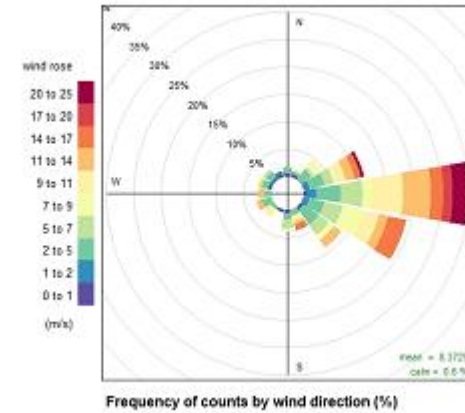


Hyderabad

October

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	0.6	0	1.1	0	0	0	0	0	0	0	0	0
12-33	0.6	0	0.6	0	0.6	0	0	0	0	0	0	0
34-56	0	0	2.3	0.6	1.7	0	0	0	0	0	0	0
57-78	0	1.1	2.8	1.7	0.6	1.7	1.7	1.1	0	0.6	0	0
79-101	0.6	1.7	4.5	4	1.7	5.6	5.1	2.3	1.7	2.8	0	0
102-123	0	1.1	2.8	3.4	4	2.8	1.7	3.4	0	0	0	0
124-146	0.6	0	3.4	2.3	1.1	0	1.7	0	0	0	0	0
147-168	0	0	1.1	0	0.6	0.6	0.6	1.1	0	0	0	0
168-191	0.6	0	1.1	1.7	0.6	0	0	0	0	0	0	0
192-213	0.6	0	0	0	0	0	0	0	0	0	0	0
214-236	0	0	0.6	0	0.6	1.1	0	0	0	0	0	0
237-258	0	0	1.7	0	0	0	1.1	0	0	0	0	0
259-281	0	0	1.1	0	0	0	1.1	0	0	0	0	0
282-303	0.6	0	1.1	0.6	0.6	0	0	0	0	0	0	0
304-326	0	0.6	1.1	0.6	0	0	0	0	0	0	0	0
327-348	0.6	0.6	0	0	0	0	0	0	0	0	0	0





Hyderabad

November

1000 hPa level

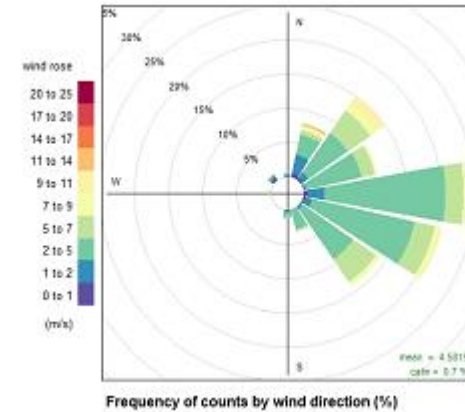
Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11												
12-33												
34-56												
57-78												
79-101												
102-123												
124-146												
147-168												
168-191												
192-213												
214-236												
237-258						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

Hyderabad

November

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	0.3	0	0	0	0	0	0	0	0	0
12-33		0.7	2.7	3	0.7	0.7	0	0.3	0	0	0	0
34-56		0.3	1	7	4	1.3	1.3	0	0	0	0	0
57-78		0	0.3	8.4	2	0.3	0	0	0	0	0	0
79-101		0.7	2.3	17.7	2.7	0.7	0	0	0	0	0	0
102-123		0.3	1	15.4	3	0.7	0.3	0	0	0	0	0
124-146		0	0.3	9	4	0.7	0	0	0	0	0	0
147-168	1	0	0	3	0.3	0	0	0	0	0	0	0
168-191		0	0.3	0.7	0.3	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	0.3	0	0	0	0	0	0	0
282-303		0	0	0	0	0	0	0	0	0	0	0
304-326		0.3	0.3	0.3	0	0	0	0	0	0	0	0
327-348		0	0	0	0	0	0	0	0	0	0	0

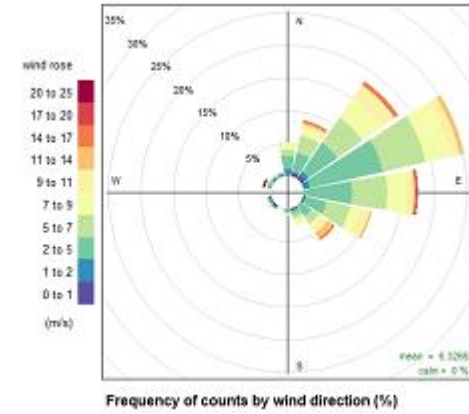


Hyderabad

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	1	2	1	0.7	0.3	0	0	0	0	0	0
12-33	0.7	0	3	2.7	1	0.7	0.3	0.3	0	0	0	0
34-56	0.7	0.7	5.4	4.7	3.7	2.4	0	0.7	0	0	0	0
57-78	0	1	11.4	6.7	4	1.3	0.7	0	0	0	0	0
79-101	0	0	7.4	5.4	3	1	0.3	0	0.3	0	0	0
102-123	0.3	0	3.4	3.7	1.7	1.3	0.3	0	0	0	0	0
124-146	0	0	2	1.3	0.7	1	1	0.3	0	0	0	0
147-168	0.3	0	0.7	0.7	1	0	0	0	0	0	0	0
168-191	0	0	0.7	0	0.3	0	0	0	0	0	0	0
192-213	0	0	0	0	0	0.3	0	0	0	0	0	0
214-236	0.3	0	0.3	0	0	0	0	0	0	0	0	0
237-258	0	0.3	0.3	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	0.7	0	0.3	0	0	0	0	0.3	0	0
304-326	0	0.3	0	0.3	0	0	0	0	0	0	0	0
327-348	0	0.3	0	0.3	0	0	0	0	0	0	0	0

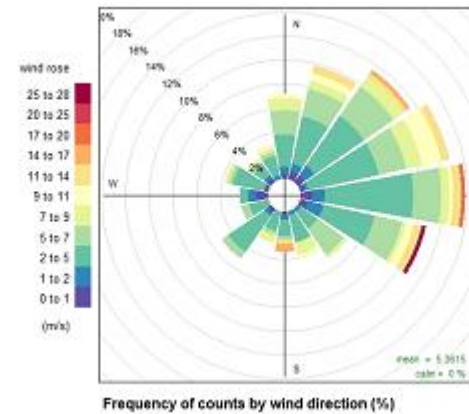


Hyderabad

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	0.3	0.7	2.7	2	1	0.3	0	0	0	0	0	0
12-33	0.7	0.7	4.1	2.4	0.7	0.7	0.7	0	0	0	0	0
34-56	0.7	1	5.1	3	1	0	0.3	0.3	0	0	0	0
57-78	0.3	0.3	6.1	2.4	1.4	1.7	0.7	0	0	0	0	0
79-101	1	1	7.4	2.4	0.7	0.3	0.7	0	0.3	0	0	0
102-123	0.7	1.4	4.4	2.4	0.3	0.7	0.7	0	0	0	0	0.3
124-146	0	0.3	1.7	2.7	0.3	0	0	0	0	0	0	0
147-168	0	0.3	2.4	0	1	0.3	0	0	0	0	0	0
168-191	0.3	0.3	1.4	0.3	0	0	0.3	0.7	0	0	0	0
192-213	0	0	1.7	0.3	0.7	0	0	0	0	0	0	0
214-236	0.3	0.3	3.7	0.7	0	0	0	0	0	0	0	0
237-258	0	0	1.7	0.7	0	0	0	0	0	0	0	0
259-281	1	0.7	0.7	0	0	0	0	0	0	0	0	0
282-303	0.3	0	2.7	0.3	0.3	0	0	0	0	0	0	0
304-326	0.3	0.3	1	0.3	0.3	0	0	0	0	0	0	0
327-348	0	0.3	1.7	0.3	0.3	0.3	0	0	0	0	0	0

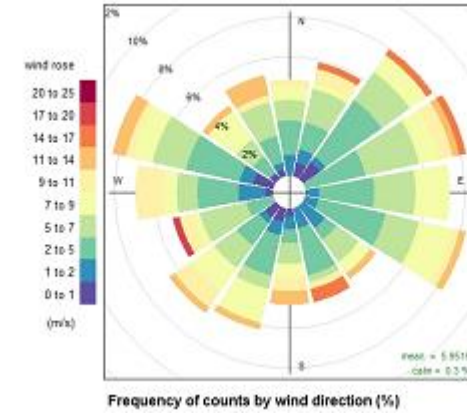


Hyderabad

November

500 hPa level

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

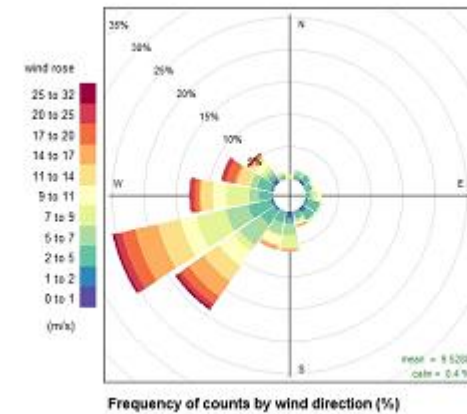


Hyderabad

November

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	0.7	0	0	0	0	0	0
12-33	0	0	0.7	0.7	0	0	0	0	0	0	0	0
34-56	0.4	0	1.1	0	0	0	0	0	0	0	0	0
57-78	0	0	1.1	0	0.4	0	0	0	0	0	0	0
79-101	0	0	0.7	0.4	0.7	0.7	0	0	0	0	0	0
102-123	0	0.4	1.8	0.4	0	0	0	0	0	0	0	0
124-146	0.4	0.4	1.4	0	0.4	0	0	0	0	0	0	0
147-168	0	0	0.7	0.4	0.4	0.4	0	0.4	0	0	0	0
168-191	0.7	0.4	1.1	1.8	2.2	0	0	0.4	0	0	0	0
192-213	0	0	1.8	1.8	0.4	1.4	0	0.7	0	0	0	0
214-236	0	0.4	2.5	4	1.1	2.9	2.9	2.9	1.4	0.7	0.4	0
237-258	0.4	0	3.6	3.6	4.7	2.5	3.6	3.6	2.2	1.1	0.4	0
259-281	0	0	2.2	1.4	3.6	2.2	1.8	0.4	0.7	0.7	0	0
282-303	0	0.4	2.2	1.1	0.4	0	1.8	0.4	1.4	0.7	0	0
304-326	0.4	0.4	0.7	0.7	0.7	1.1	0.7	0.4	0	0.4	0	0
327-348	0	0	0.4	0.4	0	0	0.4	0	0	0	0	0

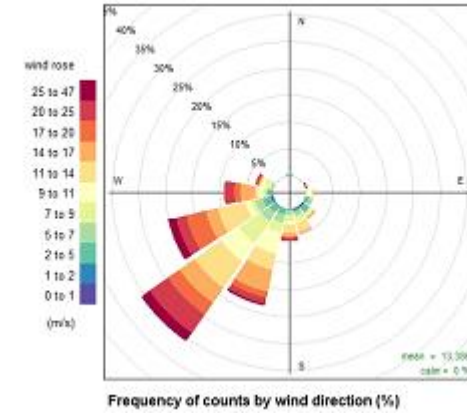


Hyderabad

November

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	0.4	0	0	0	0	0	0	0	0	0
12-33	0	0	0	0	0	0	0.4	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	0.4	0
79-101	0	0	0	0	0.4	0.8	0.4	0	0	0	0	0
102-123	0	0	0.8	0.8	0	0	0	0	0	0	0	0
124-146	0.4	0	1.1	0.4	0	0.4	0.4	0.4	0	0	0	0
147-168	0	0.4	0.4	0.8	0.8	0.4	1.9	0.4	0	0	0	0
168-191	0	0	0.4	0.8	1.1	0.8	1.5	0.8	0	0.8	0	0
192-213	0	0	1.1	1.5	1.9	4.2	3	4.2	1.1	1.1	0.4	0
214-236	0	0	1.5	1.9	4.9	4.2	6.1	3.4	2.7	4.2	1.9	0
237-258	0.4	0	1.5	1.5	0.8	1.1	5.3	2.3	3.8	1.9	1.5	0
259-281	0	0	1.1	0	0.8	0.8	0.8	2.7	1.1	1.9	0	0
282-303	0	0	0	0.4	1.1	0.8	0.4	0	0.4	0.4	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

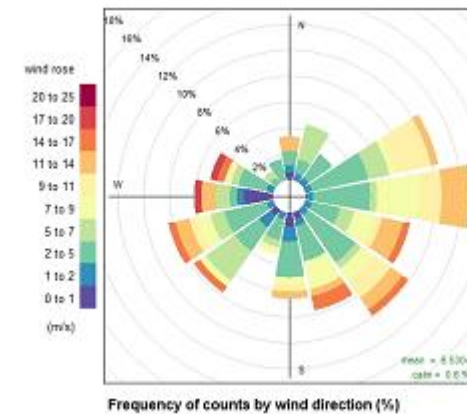


Hyderabad

November

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	0.6	0.6	1.1	0	0	0	1.1	0	0	0	0	0
12-33	0	0.6	1.1	2.8	0	0	0	0	0	0	0	0
34-56	0	0.6	2.2	0	0	0	0	0	0	0	0	0
57-78	0	0.6	4.4	1.7	0.6	2.8	0.6	0	0	0	0	0
79-101	0	0.6	4.4	0.6	3.3	1.7	2.2	0	0	0	0	0
102-123	0	0.6	2.2	1.1	1.7	0.6	1.7	0.6	0	0	0	0
124-146	0	0.6	4.4	0.6	1.1	1.7	1.1	0.6	0	0	0	0
147-168	0	0.6	2.8	0	2.2	0	0.6	1.1	0	0	0	0
168-191	1.7	1.1	2.8	0	0.6	0.6	0.6	0	0	0	0	0
192-213	0	0.6	1.7	0.6	0.6	0	0	0	0	0	0	0
214-236	0.6	1.1	2.2	2.8	0.6	0	0	0.6	0	0	0	0
237-258	0	0.6	3.3	1.1	1.1	0.6	1.1	0.6	0	0	0	0
259-281	2.2	0.6	0.6	1.1	0	0	1.1	0	0.6	0	0	0
282-303	0	0.6	2.2	0.6	0	0.6	0	0.6	0.6	0	0	0
304-326	0	0	0.6	0.6	0	0	0	0	0	0	0	0
327-348	0	0	1.7	0	0	0	0	0	0	0	0	0



Hyderabad

December

1000 hPa level

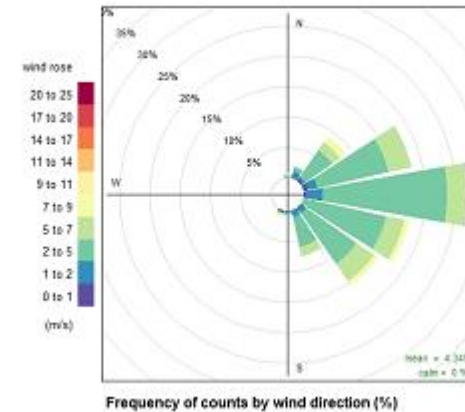
Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11												
12-33												
34-56												
57-78												
79-101												
102-123												
124-146												
147-168												
168-191												
192-213												
214-236												
237-258						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

Hyderabad

December

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	0	0.4	0	0.4	0	0	0	0	0	0
12-33		0	1.2	0.8	0	0	0	0	0	0	0	0
34-56		0.4	0.4	5.4	1.6	1.2	0	0	0	0	0	0
57-78		0.8	1.6	12	3.9	0	0	0	0	0	0	0
79-101		0.4	2.7	20.5	3.5	0	0	0	0	0	0	0
102-123		0	0	14	3.1	0.8	0	0	0	0	0	0
124-146		0	1.2	10.1	3.5	0.8	0	0	0	0	0	0
147-168		0	1.2	5	1.6	0	0	0	0	0	0	0
168-191	0	0	0.4	0.4	0	0	0	0	0	0	0	0
192-213		0.4	0	0	0.4	0.4	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

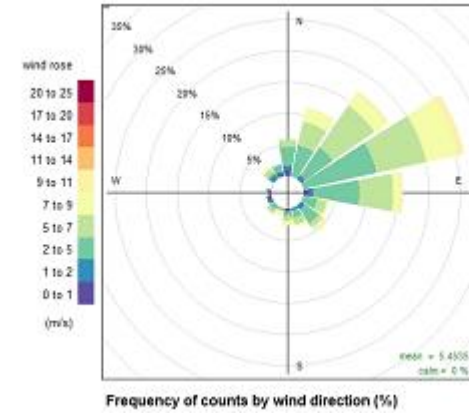


Hyderabad

December

850 hPa level

Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	0	0.8	0.8	3.1	1.2	0	0	0	0	0	0	0
12-33		0	0	5	3.9	2.3	0	0	0	0	0	0
34-56		0	0.8	5.4	8.1	2.3	0.4	0	0	0	0	0
57-78		0	0	12	8.1	5	1.2	0	0	0	0	0
79-101		0.8	0.8	7.4	5.4	1.2	0.4	0	0	0	0	0
102-123		0	0	2.3	1.6	0.4	0	0	0	0	0	0
124-146		0	0.8	2.7	0.8	0.8	0	0	0	0	0	0
147-168		0	0.4	0.8	1.2	0.4	0	0	0	0	0	0
168-191		0.4	0	1.2	0.8	0.8	0	0	0	0	0	0
192-213		0	0	0.4	0	0.4	0.4	0	0	0	0	0
214-236		0	0	0.8	0.8	0	0	0	0	0	0	0
237-258		0.4	0.4	0	0	0	0	0	0	0	0	0
259-281		0.4	0	0.4	0	0	0	0	0	0	0	0
282-303		0	0	0	0	0	0	0	0	0	0	0
304-326		0	0.8	0.4	0.8	0.4	0	0	0	0	0	0
327-348		0.4	0.4	1.2	0	0	0	0	0	0	0	0

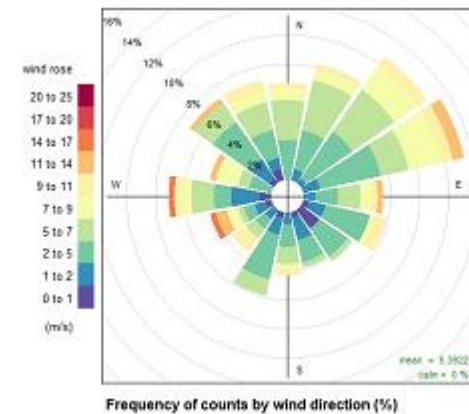


Hyderabad

December

700 hPa level

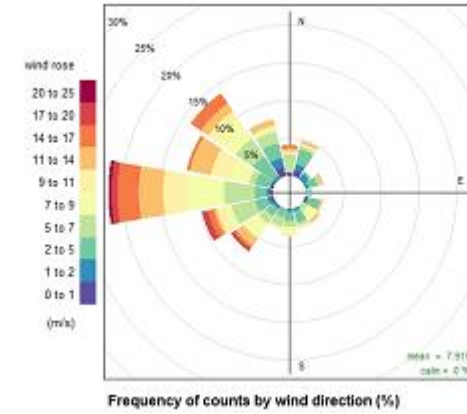
Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	0	0	0	2.7	2.7	0.8	0.4	0	0	0	0	0
12-33		0	0.8	2.7	3.5	0.8	0.4	0	0	0	0	0
34-56		0	0.4	3.9	3.5	2	0.8	0	0	0	0	0
57-78		0	1.2	4.3	2	2.4	0.8	0.8	0	0	0	0
79-101		0	0.8	1.6	1.6	0.8	0.4	0.4	0	0	0	0
102-123		0.4	1.2	3.1	0	0.4	0.8	0	0	0	0	0
124-146		1.6	0	2.4	0.4	0	0	0	0	0	0	0
147-168		0.4	1.6	1.6	0.4	0	0	0	0	0	0	0
168-191		0	0.8	1.6	1.2	0.4	0.4	0	0	0	0	0
192-213		0.4	1.2	3.1	1.2	0	0	0	0	0	0	0
214-236		0	0.8	0.8	0.8	0	1.2	0	0	0	0	0
237-258		0.4	0.8	0.8	0.4	0.8	0	0.8	0.4	0	0	0
259-281		0.8	2	1.2	1.6	0.8	0.4	0	0.4	0	0	0
282-303		0	0	1.6	0.8	1.6	0	0.4	0	0	0	0
304-326		0.4	1.6	3.1	1.6	0	0	0.4	0	0	0	0
327-348		0.8	0.8	2	2	0.8	0.8	0	0	0	0	0



Hyderabad

December 500 hPa level

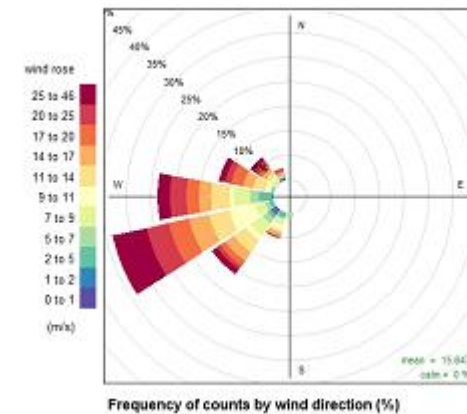
Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	0	0.4	0	0	2.4	0	0.4	0.4	0.4	0	0	0
12-33		0.8	0.8	2	0.4	0	0.4	0.4	0	0	0	0
34-56		0	0.8	0.4	0	0	0	0	0	0	0	0
57-78		0	0.4	1.2	0.4	0	0	0.4	0	0	0	0
79-101		0	0	0.8	0	0	0	0	0	0	0	0
102-123		0.4	0	1.6	0	0	0	0.4	0	0	0	0
124-146		0	0	0	0.8	1.6	0	0.4	0	0	0	0
147-168		0	0.4	1.6	0.4	0	0.4	0	0	0	0	0
168-191		0	0.4	1.2	0.8	0.8	0.4	0	0	0	0	0
192-213		0	0	1.2	1.2	0	0.4	0	0	0	0	0
214-236		0	0.4	1.2	1.2	2.4	0	1.2	0.4	0.4	0	0
237-258		0.4	0.4	1.6	3.2	0.8	1.2	0.4	0.8	0.8	0	0
259-281		0.4	0.4	1.6	4	4.9	3.2	3.2	2.8	0.8	0.4	0
282-303		0.4	0	2	0.8	2.8	2.4	2.8	0.4	0	0	0
304-326		0	0.4	3.2	2.8	3.2	1.2	1.2	1.6	0	0	0
327-348		1.2	1.2	2	1.6	0.4	0.4	0.8	0	0	0	0



Hyderabad

December 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
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	0.4	0	0	0	0	0
168-191		0	0	0	0.8	0	0	0	0	0	0	0
192-213		0	0	1.3	0	1.3	1.3	0.4	0.8	0	0.4	0
214-236		0.4	0.8	0.8	1.3	2.9	1.3	2.9	2.1	1.3	0.8	1.3
237-258		0	0	0.8	0.8	2.1	5.5	4.2	4.2	4.2	4.6	7.1
259-281		0	0.4	2.5	1.7	3.4	0.8	3.8	2.5	2.5	3.4	2.5
282-303		0	0	0.4	0	0	1.3	2.5	2.1	2.5	1.3	1.3
304-326		0	0	0	0	1.3	0.4	0.8	0.8	0.8	1.3	0.8
327-348		0.4	0	0	0.8	0	0	0	0.4	0.4	0.4	0

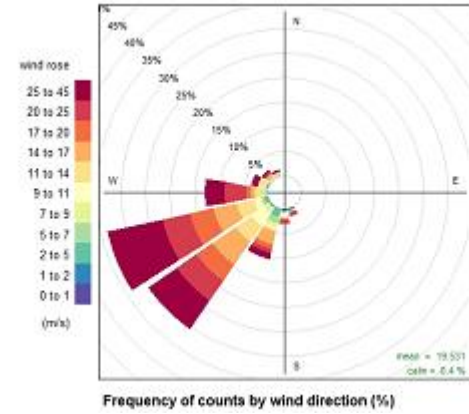




Hyderabad

December 200 hPa level

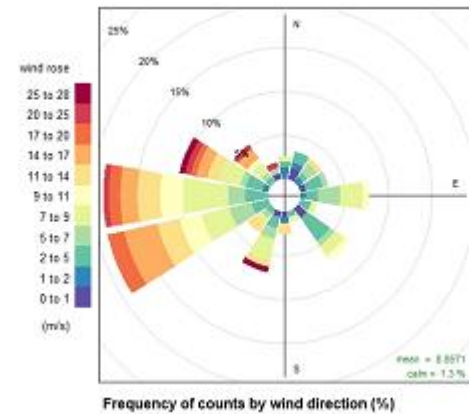
Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	0	0	0	0	0	0	0	0	0	0	0	0
12-33	0	0	0	0	0	0	0	0	0	0	0	0
34-56	0	0	0	0	0	0	0	0	0	0	0	0
57-78	0	0	0	0	0	0	0	0	0	0	0	0
79-101	0	0	0	0	0	0	0	0	0	0	0	0
102-123	0	0	0	0	0	0	0	0	0	0	0	0
124-146	0	0	0	0	0	0	0	0	0	0	0	0
147-168	0	0.4	0	0.4	0	0	0	0	0	0	0.4	0
168-191	0	0.4	0	0	0.4	0	0.9	0	0.4	0	1.3	0
192-213	0	0	1.8	1.3	0.9	0.4	0.4	2.7	0.9	0.9	0.9	1.3
214-236	0	0	0.4	0	1.3	3.1	4	5.8	4	4.9	7.1	0
237-258	0	0	0.9	0.4	0.4	1.3	3.5	4.9	4.9	5.8	11.5	0
259-281	0	0	0	0.9	0.4	0	1.3	0.9	0.9	4.4	4	0
282-303	0	0	0.4	0	0.4	0	1.3	0	0	0	0	1.3
304-326	0	0	0	0	0	0	0.4	0.9	0	0.4	0.4	0
327-348	0	0	0	0.4	0	0	0.4	0	0	0	0	0.4



Hyderabad

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	1.3	0.6	0	0.6	0	0	0	0	0	0	0
12-33	1.3	0.6	1.3	0	0	0	0	0	0	0	0	0
34-56	0	0.6	0.6	1.3	0	0	0.6	0	0	0	0	0
57-78	0.6	0	1.9	0.6	0	0	0	0	0	0	0	0
79-101	0	0.6	1.3	2.6	2.6	0.6	0	0	0	0	0	0
102-123	0	0	1.3	0	0.6	0	0	0	0	0	0	0
124-146	1.3	0	3.2	0.6	1.3	0.6	0	0	0	0	0	0
147-168	0	0	0.6	0	0.6	0	0	0	0	0	0	0
168-191	0	0.6	0	0	0	0	1.3	0	0	0	0	0
192-213	0	0.6	0	1.3	1.3	2.6	0	0.6	0	0	0	0.6
214-236	0	0	0.6	0.6	0.6	0	1.3	0	0	0	0	0
237-258	0	0	1.9	2.6	3.2	2.6	2.6	3.9	1.9	0	0	0
259-281	0	0	2.6	1.9	5.2	2.6	2.6	1.9	1.3	0.6	0	0
282-303	0	0.6	1.9	0.6	2.6	0	1.3	1.3	0.6	0.6	0.6	0
304-326	0	0	0.6	0.6	1.3	0.6	0	1.3	0	0.6	0	0
327-348	0	0.6	0	0	0.6	0	0	0	0	0	0.6	0





PRESSURE	HEIGHT	Hmax	Hmin	TEMP	TMAX	TMIN	DEWPT	DIR	VELO	U	V	VM
SURFACE	953.7	960	947	17.4	23	10.2	14.1	120	2	-1.7	1	2.5
1000	132	190	67									
950	568	624	507	17.6	25.4	10.4	13.7	121	2.6	-2.2	1.3	3.2
925	788	850	737	19.2	27.2	11.4	12.2	117	3.1	-2.8	1.4	5.1
900	1034	1104	974	18.4	28.2	9.8	10.1	114	3.4	-3.1	1.4	5.4
850	1521	1593	1428	15.9	27.2	8.2	5.6	87	1.7	-1.7	-0.1	4.9
800	2034	2105	1971	13	23.8	5.6	1.1	353	0.8	0.1	-0.8	5.1
750	2572	2660	2490	10.4	21	2.4	-2.8	306	1.7	1.4	-1	5.6
700	3144	3237	3063	7.9	18	0	-7.3	286	2.6	2.5	-0.7	6.4
650	3750	3860	3650	5.1	16.8	-4.7	-12.1	277	4.1	4.1	-0.5	7.4
600	4400	4534	4280	1.5	12	-7.5	-15.3	274	5.6	5.6	-0.4	8.7
550	5099	5250	4996	-2.6	6.8	-10.9	-18.8	272	7.2	7.2	-0.2	10.2
500	5844	6014	5724	-7.4	1	-16.9	-25.9	270	8.9	8.9	0	11.9
450	6656	6850	6517	-12.7	-3.1	-23.9	-30.5	269	11.1	11.1	0.2	14.2
400	7545	7764	7375	-18.6	-7.9	-29.5	-36	267	13.7	13.7	0.6	16.8
350	8528	8780	8321	-25.3	-14.5	-34.7	-41.4	265	16.6	16.5	1.4	19.5
300	9629	9936	9389	-33.2	-22.1	-42.3	-47.9	260	18.9	18.6	3.4	21.9
250	10886	11242	10593	-43	-28.1	-52.9	-55.8	254	20.4	19.6	5.7	23.4
200	12350	12790	12000	-54.6	-39.3	-66.1	-65.7	251	21	19.9	6.7	23.9
175	13190	13630	12802	-61.1	-44.9	-72.5	-67.6	253	20.1	19.2	6	23
150	14134	14600	13691	-67.7	-50.7	-80.5		254	17.7	17	4.9	20.7
125	15215	15790	14717	-73.7	-55.3	-87.1		255	13.7	13.2	3.5	16.7
100	16500	17110	16015	-78.6	-61.1	-88.3		259	9.1	8.9	1.7	12.3
80	17770	18473	17330	-77	-62.5	-91.9		261	5.4	5.3	0.8	8.7
70	18551	19273	18063	-73.4	-58.1	-86.7		257	3.7	3.6	0.8	6.9
60	19376	20174	18933	-68.7	-56.5	-81.7		260	2.3	2.3	0.4	6.5
50	20559	21367	19990	-63.7	-51.3	-76.7		299	1	0.9	-0.5	6
40	21937	22772	21313	-59.6	-45.7	-70.9		45	0.3	-0.2	-0.2	6.4
30	23750	24641	23056	-55.7	-44.5	-68.3		344	0.7	0.2	-0.7	7.2
25	24919	25800	24321	-53.7	-44.1	-65.7		315	0.8	0.6	-0.6	7.6
20	26375	27330	25691	-51.1	-40.1	-64.9		319	1.8	1.2	-1.4	8.6
15	28265	29267	27474	-48.2	-35.1	-61.5		295	2.9	2.6	-1.2	9.6
10	30991	32027	30046	-44.4	-36.1	-57.1		286	2.9	2.8	-0.8	8.3
7	33466	34410	32943	-41.1	-33.3	-51.9		280	2.9	2.9	-0.5	8.3

## FREEZING LEVEL

P	Height	H_max	H_min
583	4645	6210	3110

## FIRST TROPOPAUSE

P	Height	Temp

## SECOND TROPOPAUSE

P	Height	Temp
99	16595	-80.4

PRESSURE	HEIGHT	Hmax	Hmin	TEMP	TMAX	TMIN	DEWPT	DIR	VELO	U	V	VM
SURFACE	952.1	961	946	19.8	27.8	12.6	14.6	130	1.7	-1.3	1.1	2.6
1000	114	197	56									
950	555	622	502	20	28	13	14.3	132	2.4	-1.8	1.6	3
925	776	827	733	21.2	28.2	12.8	12.7	127	3	-2.4	1.8	5.4
900	1023	1110	966	20.8	28	11.4	9.8	131	2.9	-2.2	1.9	5.8
850	1514	1595	1451	18	24.8	10	5.5	135	1	-0.7	0.7	5.3
800	2030	2108	1959	14.4	22.6	4.8	2.4	288	1.3	1.2	-0.4	5.4
750	2569	2653	2480	10.6	19.4	3.8	-0.8	292	2.9	2.7	-1.1	6.1
700	3142	3247	3052	7.4	16.4	1	-5.6	292	3.8	3.5	-1.4	6.9
650	3744	3900	3648	4.5	18.2	-3.1	-10.9	287	4.9	4.7	-1.4	7.8
600	4395	4527	4287	1.2	9.6	-7.3	-15.7	281	6.4	6.3	-1.2	9.4
550	5093	5220	4979	-2.9	4.2	-11.9	-19.6	277	7.9	7.8	-1	10.9
500	5837	6004	5724	-7.5	0.6	-17.3	-26.4	277	9.5	9.4	-1.1	12.6
450	6649	6810	6500	-12.7	-1.5	-23.1	-31.4	274	11.6	11.6	-0.9	14.7
400	7537	7748	7343	-18.6	-5.7	-31.1	-36.8	272	14	14	-0.5	17.6
350	8520	8770	8305	-25.3	-12.1	-38.5	-41.5	269	16.6	16.6	0.3	20.2
300	9621	9917	9339	-33.2	-19.1	-48.3	-47.7	265	18.9	18.8	1.8	22.4
250	10877	11252	10518	-42.8	-30.1	-56.1	-57.9	260	20.4	20.1	3.7	23.7
200	12347	12796	11924	-54.1	-43.3	-64.1	-68.8	258	20.4	19.9	4.4	23.8
175	13189	13676	12743	-60.5	-49.1	-73.1	-63.3	257	19.4	18.9	4.3	22.9
150	14133	14652	13670	-67.2	-50.5	-78.6		257	17.6	17.1	4	20.7
125	15212	15757	14746	-73.5	-55.1	-86.8		258	14.2	13.9	2.9	17.3
100	16500	17063	16020	-78.7	-66.2	-88.5		261	9.4	9.3	1.5	12.9
80	17774	18369	17321	-77	-59.3	-89.1		259	5.7	5.6	1.1	9.1
70	18552	19200	18111	-73.6	-54.3	-87.5		255	4.6	4.4	1.2	7.7
60	19413	20112	19035	-69	-53.5	-82.9		256	3.3	3.2	0.8	6.5
50	20559	21267	20034	-63.7	-48.1	-79.5		270	1.8	1.8	0	6
40	21933	22698	21376	-59.6	-45.5	-76.3		307	1	0.8	-0.6	5.7
30	23752	24551	23171	-55.1	-44.5	-73.1		346	0.8	0.2	-0.8	6.9
25	24907	25710	24311	-52.7	-40.3	-71.7		302	0.9	0.8	-0.5	7.2
20	26385	26982	25685	-49.9	-38.1	-68.7		285	2.4	2.3	-0.6	7.5
15	28274	28919	27422	-47	-35.5	-64.9		318	1.5	1	-1.1	8.4
10	31083	31697	30499	-41.7	-32.5	-51.6		72	0.9	-0.9	-0.3	7.7
7	33536	34190	32907	-38.5	-29.1	-46.3		284	0.4	0.4	-0.1	8.1

## FREEZING LEVEL

P	Height	H_max	H_min
587	4587	6630	3161

## FIRST TROPOPAUSE

P	Height	Temp

## SECOND TROPOPAUSE

P	Height	Temp
99	16621	-80.5

PRESSURE	HEIGHT	Hmax	Hmin	TEMP	TMAX	TMIN	DEWPT	DIR	VELO	U	V	VM
SURFACE	950.4	958	944	23	29	15.6	16.1	148	1.3	-0.7	1.1	2.4
1000	81	111	48									
950	552	607	497	22.7	28.2	16	15.4	156	2	-0.8	1.8	3.7
925	761	809	714	24.8	33	17.3	13.5	164	2.2	-0.6	2.1	5
900	1012	1093	955	24.3	37.8	14	10	162	2.2	-0.7	2.1	5.7
850	1509	1587	1452	21.5	35.2	6.7	6.2	153	1.1	-0.5	1	5.6
800	2030	2142	1900	17.6	30.2	8.8	3.3	315	0.4	0.3	-0.3	5.2
750	2573	2700	2442	13	24.6	3.2	0.9	322	1.8	1.1	-1.4	5.5
700	3151	3297	3012	8.3	19.9	1.8	-1.9	313	2.6	1.9	-1.8	6
650	3755	3900	3616	4.1	16.2	-3.1	-6.7	303	3.1	2.6	-1.7	6.5
600	4405	4567	4313	0.7	9	-7.3	-12.3	295	3.8	3.4	-1.6	7.3
550	5102	5290	4995	-2.9	6	-13.1	-18.2	286	5	4.8	-1.4	8.7
500	5847	6017	5726	-7.3	1	-15.7	-22.8	280	6.7	6.6	-1.2	10.4
450	6660	6860	6519	-12.7	-4.3	-25.1	-29.3	275	8.5	8.5	-0.8	12.3
400	7548	7758	7385	-18.7	-8.7	-28.7	-37.2	272	10.5	10.5	-0.4	14.5
350	8529	8750	8330	-25.5	-14.9	-35.9	-42.8	266	12.9	12.9	0.9	17.1
300	9630	9872	9389	-33.3	-20.5	-44.9	-49.7	261	15.9	15.7	2.5	20
250	10885	11170	10601	-42.9	-32.1	-52.7	-59.5	257	18	17.5	4.1	21.6
200	12355	12705	12037	-54.1	-40.9	-66.2	-68.9	255	18.6	18	4.7	22
175	13198	13585	12873	-60.4	-46.1	-82.1	-59.7	256	17.7	17.2	4.2	21
150	14144	14568	13783	-66.9	-50.9	-80.6	-67.3	258	15.5	15.2	3.2	18.9
125	15226	15691	14835	-73.2	-62.1	-87.2		259	12	11.8	2.4	15.4
100	16513	17035	16080	-78.6	-61.1	-88.1		261	7.4	7.3	1.2	10.9
80	17781	18335	17315	-76.6	-62.7	-90.1		260	4	3.9	0.7	7.8
70	18563	19110	18067	-72.8	-55.9	-85.7		263	3.4	3.4	0.4	7.1
60	19431	20028	18955	-67.8	-51.9	-83.7		270	2.5	2.5	0	6.2
50	20580	21570	20036	-62.4	-46.5	-80.1		284	1.2	1.2	-0.3	6
40	21954	22566	21385	-58.2	-43.3	-82.9		14	0.4	-0.1	-0.4	6.3
30	23776	24486	23018	-53.4	-38.7	-74.9		5	1.2	-0.1	-1.2	7
25	24945	25620	24085	-51.2	-38.7	-71.9		34	1.4	-0.8	-1.2	7.9
20	26409	27157	25418	-48.2	-35.5	-65.9		328	0.9	0.5	-0.8	8.3
15	28316	29034	27180	-45.2	-33.7	-61.7		342	0.6	0.2	-0.6	9.9
10	31207	39710	30047	-41.5	-28.7	-59.1		301	2.1	1.8	-1.1	11.9
7	33482	34100	31951	-39.4	-27.3	-57.7		354	2	0.2	-2	11.5

## FREEZING LEVEL

P	Height	H_max	H_min
592	4535	6070	3300

## FIRST TROPOPAUSE

P	Height	Temp

## SECOND TROPOPAUSE

P	Height	Temp
98	16660	-80.3

**Hyderabad****43128****Station height****530****April**

PRESSURE	HEIGHT	Hmax	Hmin	TEMP	TMAX	TMIN	DEWPT	DIR	VELO	U	V	VM
SURFACE	948.5	957	941	26.1	31	19	17.8	186	1	0.1	1	2.8
1000	71	156	11									
950	522	610	459	25.3	30	19.4	17.8	177	2	-0.1	2	1.4
925	747	803	697	26.8	35.4	16	16.2	191	2.1	0.4	2.1	5.4
900	999	1075	941	26.3	35	14	12.4	208	2.4	1.1	2.1	6.3
850	1500	1571	1446	23.7	33.8	12.2	8.2	208	1.7	0.8	1.5	5.9
800	2025	2108	1970	19.9	29.4	10.2	5	225	0.3	0.2	0.2	5
750	2573	2690	2490	15.4	25	6.3	2.3	20	1.2	-0.4	-1.1	4.8
700	3155	3270	3066	10.5	19.1	1.8	-0.4	18	2.2	-0.7	-2.1	5.2
650	3763	3900	3646	5.3	15.8	-6.3	-3.3	16	2.5	-0.7	-2.4	5.8
600	4414	4549	4294	0.8	12.4	-13.9	-7.7	360	2.3	0	-2.3	6.1
550	5112	5260	4973	-2.9	8	-19.3	-14.1	321	2.1	1.3	-1.6	6.6
500	5858	6022	5705	-6.8	3.6	-24.7	-20.3	291	3.3	3.1	-1.2	7.8
450	6674	6860	6490	-11.8	-1.5	-31.5	-26.1	279	5	4.9	-0.8	9.4
400	7564	7755	7314	-17.8	-6.3	-37.5	-31.2	273	7.1	7.1	-0.4	11.1
350	8549	8790	8219	-24.7	-12.9	-45.1	-37	266	9.8	9.8	0.6	13.6
300	9655	9935	9229	-32.6	-20.3	-54.3	-44.4	259	12.4	12.2	2.3	16.2
250	10914	11236	10381	-42.1	-28.5	-57.7	-55.5	253	14.9	14.3	4.3	18.4
200	12388	12765	12029	-53.3	-39.5	-66.2	-66.5	249	16.1	15.1	5.7	19.1
175	13234	13616	12897	-59.6	-42.9	-69.1	-65.3	249	15	14	5.3	17.7
150	14182	14612	13824	-66.4	-50.9	-77.5	-61.9	250	12.4	11.7	4.2	15.2
125	15265	15750	14894	-73	-58.1	-86.1		255	8.3	8	2.2	11.6
100	16552	17127	16163	-78.3	-55.7	-88.5		263	3.5	3.5	0.4	8.6
80	17830	18459	17403	-76	-50.9	-91.3		321	0.6	0.4	-0.5	6.8
70	18613	19200	18161	-72.1	-51.5	-86.3		34	0.7	-0.4	-0.6	6
60	19393	20202	19065	-66.9	-50.1	-81.5		45	1	-0.7	-0.7	5.7
50	20647	21357	20162	-61	-42.9	-74.1		51	1.9	-1.5	-1.2	5.9
40	22037	22808	21512	-56.3	-41.1	-69.9		68	3.5	-3.3	-1.3	6.9
30	23887	24712	23310	-51.4	-38.4	-65.3		74	5	-4.8	-1.4	8.1
25	25059	25890	24488	-49.2	-37	-60.3		73	5.4	-5.2	-1.6	8.9
20	26528	27444	25910	-46.9	-35.9	-58.5		72	6.3	-6	-1.9	10.7
15	28415	29411	27750	-44.6	-34.1	-58.1		66	6.2	-5.7	-2.5	11.3
10	31185	31894	30358	-40.2	-31.5	-52.5		46	5	-3.6	-3.5	13.1
7	33622	34390	32681	-37.9	-29.1	-49.1		26	3.2	-1.4	-2.9	15.1

**FREEZING LEVEL**

P	Height	H_max	H_min
588	4584	6580	3350

**FIRST TROPOPAUSE**

P	Height	Temp

**SECOND TROPOPAUSE**

P	Height	Temp
97	16739	-80.2

PRESSURE	HEIGHT	Hmax	Hmin	TEMP	TMAX	TMIN	DEWPT	DIR	VELO	U	V	VM
SURFACE	946.2	956	938	27.9	33	20.6	18.2	267	2	2	0.1	3.6
1000	48	144	-25									
950	500	585	429	26.1	29	21.2	18.2	260	1.1	1.1	0.2	0.5
925	726	827	662	27.5	34.3	20.2	16.8	262	3.4	3.4	0.5	6.8
900	979	1070	900	26.4	34	10.2	14.6	271	4.3	4.3	-0.1	8.3
850	1481	1571	1397	24	32.4	13.6	11	286	3.6	3.5	-1	8.2
800	2007	2095	1918	20.6	28.2	10.2	8	310	2.3	1.8	-1.5	6.5
750	2557	2650	2466	16.4	26.2	3.8	5.1	360	2.2	0	-2.2	5.5
700	3142	3230	3045	11.8	20	3	2.1	26	3	-1.3	-2.7	5.7
650	3751	3880	3650	6.7	16.8	-3.7	-1.3	34	3.6	-2	-3	6.2
600	4407	4498	4302	1.9	16	-8.1	-5.2	37	3.8	-2.3	-3	6.7
550	5107	5230	4999	-2.1	7.8	-10.7	-10.7	32	3.6	-1.9	-3	6.8
500	5856	5995	5705	-5.8	3	-17.1	-16	16	2.9	-0.8	-2.8	7.1
450	6674	6840	6491	-10.2	4.6	-20.5	-21.8	351	2.6	0.4	-2.6	7.9
400	7573	7791	7357	-15.6	-6.1	-25.1	-27.6	324	2.6	1.5	-2.1	7.9
350	8567	8800	8320	-22.2	-10.9	-31.1	-33.8	289	2.8	2.6	-0.9	8.2
300	9684	9985	9398	-30.1	-16.9	-41.7	-41.3	266	3.2	3.2	0.2	8.3
250	10956	11335	10610	-39.8	-25.9	-54.1	-50.3	245	4.5	4.1	1.9	9.1
200	12441	12784	12022	-51.6	-34.7	-68.7	-60.6	224	5	3.5	3.6	10.1
175	13294	13668	12824	-58.4	-39.3	-72.5	-64.2	216	4.3	2.5	3.5	10.4
150	14246	14689	13731	-65.8	-44.1	-75.9	-71.5	189	3.3	0.5	3.3	10.1
125	15332	15889	14788	-72.9	-50.3	-85.8		129	3.2	-2.5	2	10
100	16620	17314	16060	-78.4	-57.9	-89.3		94	6.1	-6.1	0.4	10.2
80	17896	18685	17348	-75.4	-58.6	-87.5		86	6.8	-6.8	-0.5	9.7
70	18683	19471	18149	-70.9	-53.3	-84.1		83	6.2	-6.1	-0.8	8.5
60	19385	20063	19103	-65.5	-46.1	-81.9		78	6.1	-6	-1.3	8.1
50	20714	21291	20138	-60.1	-41.5	-76.9		73	7.2	-6.9	-2.1	9
40	22094	22780	21499	-55.9	-37.9	-72.5		76	8.6	-8.3	-2.1	10.6
30	23927	24649	23318	-51.2	-35.3	-69.3		77	11	-10.7	-2.5	12.8
25	25088	25924	24460	-49.5	-33.9	-69.4		77	12.4	-12.1	-2.8	14.7
20	26522	27492	25918	-47.5	-29.6	-69.5		76	13	-12.6	-3.1	16
15	28369	29523	27792	-45.3	-31.7	-54.1		70	12.7	-11.9	-4.4	17.1
10	31027	31684	30468	-40.8	-30.9	-51.5		48	11.2	-8.3	-7.5	16.6
7	33509	34200	33090	-37	-31.8	-44.1		29	12.4	-6	-10.9	18.2

## FREEZING LEVEL

P	Height	H_max	H_min
577	4738	6540	3560

## FIRST TROPOPAUSE

P	Height	Temp

## SECOND TROPOPAUSE

P	Height	Temp
98	16752	-80

PRESSURE	HEIGHT	Hmax	Hmin	TEMP	TMAX	TMIN	DEWPT	DIR	VELO	U	V	VM
SURFACE	944.5	951	937	25.5	32.6	21	20.3	266	4.3	4.3	0.3	4.9
1000	35	109	-67									
950	485	4421	400	25.3	28.6	22.8	20	257	3.9	3.8	0.9	5.2
925	710	795	613	24.9	32	17.4	19.6	256	6.6	6.4	1.6	8.2
900	961	1036	852	23.2	32.2	14.8	18.3	267	8.6	8.6	0.5	10.8
850	1458	1534	1344	21	31.8	12.6	15.6	276	9	8.9	-1	12.1
800	1981	2098	1861	18.3	29.8	10.2	12.6	280	7.1	7	-1.2	10.1
750	2530	2640	2406	15.1	24.6	7.2	9.2	282	4.8	4.7	-1	8.1
700	3111	3210	2984	11.5	19.4	4.2	5.6	286	3.2	3.1	-0.9	7
650	3723	3850	3590	7.5	13.6	-3.9	1.7	294	2.2	2	-0.9	6.7
600	4381	4489	4256	3.4	10.3	-4.1	-1.9	295	1.9	1.7	-0.8	6.6
550	5087	5250	4920	-0.5	5.6	-9.7	-5.9	297	1.8	1.6	-0.8	6.2
500	5839	5971	5715	-4.4	1.4	-14.7	-10.1	295	1.7	1.5	-0.7	5.8
450	6664	6810	6518	-8.8	5.4	-17.1	-15.3	325	1.2	0.7	-1	5.5
400	7566	7727	7104	-14.2	-5.1	-26.1	-21.2	29	1.3	-0.6	-1.1	5.2
350	8567	8730	8140	-20.7	-12.3	-28.1	-27.8	60	2.8	-2.4	-1.4	5.6
300	9690	9887	9196	-28.6	-19.3	-37.9	-35.9	72	4.9	-4.7	-1.5	6.8
250	10970	11172	10470	-38.7	-28.5	-51.7	-45.4	76	7.4	-7.2	-1.8	9.4
200	12463	12728	11961	-51.1	-41.7	-68.3	-57.2	79	11.5	-11.3	-2.2	13.7
175	13316	13615	12818	-58.3	-49.7	-78.3	-62.5	79	13.1	-12.9	-2.5	15.9
150	14268	14602	13779	-66.2	-57.3	-85.1	-70.9	80	16.3	-16	-2.9	19.3
125	15352	15729	14878	-74	-58.1	-93.9		82	19.4	-19.2	-2.7	22.3
100	16632	17004	16158	-79.2	-57.3	-89.4		86	19.9	-19.8	-1.5	22.6
80	17913	18274	17550	-75.2	-58	-86.3		83	15.8	-15.7	-1.8	17.8
70	18701	19150	18320	-70.7	-55.8	-83.5		80	13.8	-13.6	-2.3	15.4
60	19529	20056	19204	-65.6	-50.1	-79.5		78	13	-12.7	-2.7	14.4
50	20737	21225	20121	-61	-44.5	-73.1		78	13.4	-13.1	-2.8	15
40	22130	22699	21546	-57	-40.3	-65.7		79	14.5	-14.2	-2.7	16.4
30	23968	24641	23416	-52.4	-39.5	-62.9		79	16.2	-15.9	-3.2	18.9
25	25136	25800	24616	-50.3	-35.7	-60.5		79	16.6	-16.3	-3.3	19.7
20	26594	27160	26091	-47.9	-38.2	-58.5		80	17.2	-16.9	-3	20.7
15	28467	29039	28071	-45.7	-35.5	-57.1		72	17.8	-17	-5.4	22.5
10	31192	31823	30773	-41.2	-30.7	-52.9		65	19.3	-17.5	-8.2	24.5
7	33605	34227	33206	-38.2	-29.7	-47.1		52	18.2	-14.3	-11.3	25

## FREEZING LEVEL

P	Height	H_max	H_min
556	5005	6180	3600

## FIRST TROPOPAUSE

P	Height	Temp

## SECOND TROPOPAUSE

P	Height	Temp
100	16653	-81.1

PRESSURE	HEIGHT	Hmax	Hmin	TEMP	TMAX	TMIN	DEWPT	DIR	VELO	U	V	VM
SURFACE	944.8	952	934	23.9	27.8	20.8	20.9	266	4.6	4.6	0.3	4.9
1000	40	111	-51									
950	480	572	402	23.5	25.6	21.8	20.5	269	5.5	5.5	0.1	6.3
925	708	798	640	23.3	30.8	18.6	20.1	251	7.1	6.7	2.3	8.5
900	959	1030	845	21.7	28.4	14.6	18.9	263	9.3	9.2	1.2	11.3
850	1453	1517	1340	19.3	25.8	11	16.4	271	10.1	10.1	-0.1	13.4
800	1973	2092	1860	16.7	22.2	9.4	13.5	272	9.1	9.1	-0.3	12.5
750	2519	2670	2400	13.8	20.6	5.2	10.2	270	7.6	7.6	0	10.6
700	3099	3198	2981	10.8	18.6	2.8	6.3	270	6.2	6.2	0	8.9
650	3711	3820	3582	7.4	16.6	0.6	2.4	272	5.1	5.1	-0.2	7.9
600	4369	4494	4230	3.7	12.2	-3.3	-1.2	275	4.3	4.3	-0.4	7.2
550	5075	5290	4934	0	8	-7.5	-5.1	275	3.3	3.3	-0.3	6.5
500	5829	5984	5693	-4	3.8	-12.1	-9.7	275	2.2	2.2	-0.2	5.9
450	6654	6850	6510	-8.5	-1.1	-15.3	-14.3	297	0.7	0.6	-0.3	5.4
400	7560	7764	7413	-13.9	-6.1	-21.7	-20.2	69	1.4	-1.3	-0.5	5.4
350	8562	8800	8400	-20.4	-12.1	-28.1	-26.9	74	4.1	-3.9	-1.1	6.6
300	9687	9944	9502	-28.5	-19.1	-37.9	-35.2	76	7.5	-7.3	-1.8	9.5
250	10967	11246	10720	-38.6	-28.5	-48.7	-45.4	74	11.9	-11.4	-3.3	13.9
200	12459	12756	12158	-51.2	-40.1	-63.7	-57.1	72	18.1	-17.2	-5.5	20.3
175	13311	13640	12966	-58.5	-47.3	-70.5	-62.8	71	21.3	-20.2	-6.9	23.9
150	14261	14644	13871	-66.6	-53.7	-80.1	-69.8	72	25	-23.7	-7.8	27.9
125	15343	15693	14905	-74.1	-62.9	-88.1		75	28.1	-27.2	-7.2	31.6
100	16633	17022	16142	-78.2	-63.3	-90.3		79	26.4	-25.9	-4.9	29.9
80	17927	18330	17396	-72.7	-57.6	-84.7		78	20.8	-20.4	-4.3	23.7
70	18725	19190	18178	-68.6	-55.3	-80.7		77	18.4	-17.9	-4.2	20.8
60	19528	20116	19108	-64.5	-51.1	-77.9		76	17.7	-17.1	-4.4	19.6
50	20777	21410	20219	-60.4	-43.3	-74.5		76	17.2	-16.7	-4.2	19.2
40	22167	22891	21612	-56.8	-40.7	-67.9		76	18	-17.5	-4.3	20.5
30	23998	24744	23496	-52.9	-37.1	-64.9		76	19.2	-18.6	-4.8	22.6
25	25162	25910	24645	-51	-32.7	-62.7		73	20	-19.2	-5.7	23.8
20	26617	27391	26058	-48.7	-33.1	-58.1		74	20.3	-19.5	-5.7	24.5
15	28516	29295	27880	-46.5	-36.5	-56.3		66	18.9	-17.3	-7.7	23.9
10	31261	32001	30654	-42	-30.1	-57.9		51	15.6	-12.2	-9.8	21.6
7	33698	34425	33000	-38.4	-26.5	-46.7		30	11.8	-6	-10.2	17.2

## FREEZING LEVEL

P	Height	H_max	H_min
551	5078	6620	3780

## FIRST TROPOPAUSE

P	Height	Temp

## SECOND TROPOPAUSE

P	Height	Temp
105	16367	-80.2

PRESSURE	HEIGHT	Hmax	Hmin	TEMP	TMAX	TMIN	DEWPT	DIR	VELO	U	V	VM
SURFACE	945.6	964	938	23.2	27	21	21	270	4.6	4.6	0	4.8
1000	48	110	-22									
950	492	552	408	23.3	25.6	21.8	20.2	272	5.4	5.4	-0.2	6.1
925	719	776	655	22.8	28.2	16.3	20.2	261	6.3	6.2	1	7.9
900	967	1037	890	21.4	28	14.7	18.7	273	8.8	8.8	-0.5	10.7
850	1460	1542	1377	18.9	25.4	12.6	16.2	282	9.7	9.5	-2	12.2
800	1979	2047	1889	16.2	23.4	10.2	13.5	284	8.9	8.6	-2.1	11.4
750	2525	2610	2429	13.4	20.8	4.8	10.2	282	7.5	7.3	-1.6	9.8
700	3104	3190	2999	10.5	17.8	3.4	6.3	282	6.2	6.1	-1.3	8.5
650	3716	3820	3600	7.3	14	-0.8	2.1	286	5.2	5	-1.4	7.3
600	4373	4485	4251	3.7	11.2	-4	-1.7	290	4	3.8	-1.4	6.6
550	5081	5240	4940	0	7	-6.9	-5.6	291	3.3	3.1	-1.2	6
500	5834	5971	5677	-4	3.4	-13.9	-9.8	301	2.3	2	-1.2	5.7
450	6660	6811	6480	-8.6	4	-16.1	-14.5	329	1.2	0.6	-1	5.2
400	7563	7737	7357	-14	-5.5	-21.9	-20.3	52	1.6	-1.3	-1	5.3
350	8567	8763	8340	-20.6	-9.9	-27.3	-27.4	71	4	-3.8	-1.3	6.5
300	9689	9915	9437	-28.7	-19.7	-37.1	-35.8	75	6.9	-6.7	-1.8	8.8
250	10969	11244	10708	-38.9	-28.5	-48.9	-45.8	77	10.9	-10.6	-2.5	12.9
200	12459	12812	12201	-51.5	-39.3	-63.2	-57.7	75	16.4	-15.8	-4.3	18.7
175	13311	13713	13045	-58.8	-47.5	-71.6	-63.8	74	19.3	-18.6	-5.3	21.9
150	14261	14706	13951	-66.9	-54.3	-79.3	-69.6	74	22.5	-21.6	-6.2	25.4
125	15340	15824	14979	-74.7	-62.1	-87.7		76	24.7	-24	-5.9	27.9
100	16628	17130	16224	-77.6	-60.5	-89.7		81	23.1	-22.8	-3.6	25.8
80	17919	18430	17486	-71.5	-57.6	-88.9		79	17.8	-17.5	-3.3	20.2
70	18720	19227	18217	-67.6	-55.1	-83.9		78	16	-15.6	-3.4	18
60	19411	20185	19087	-64.3	-48.8	-77.9		76	15.2	-14.8	-3.6	17.1
50	20777	21333	20149	-60.5	-47.7	-71.3		77	15.8	-15.4	-3.6	17.7
40	22175	22759	21642	-57	-44.5	-66.9		76	16.6	-16.1	-3.9	18.9
30	23991	24602	23428	-53.4	-36.2	-63.5		77	18	-17.5	-4.2	20.8
25	25157	25801	24611	-51.6	-39.7	-61.7		77	18	-17.5	-4	21.3
20	26628	27285	26012	-48.9	-35.1	-60.9		72	18.6	-17.7	-5.8	23.2
15	28544	29241	27831	-45.8	-33.1	-55.9		70	16.2	-15.2	-5.5	20.8
10	31305	32092	30447	-41.1	-27.1	-50.5		57	12.1	-10.1	-6.6	16.3
7	33654	34325	32796	-38.7	-27.3	-48.5		34	13.6	-7.5	-11.3	18.8

## FREEZING LEVEL

P	Height	H_max	H_min
551	5068	6510	3580

## FIRST TROPOPAUSE

P	Height	Temp

## SECOND TROPOPAUSE

P	Height	Temp
107	16286	-80



PRESSURE	HEIGHT	Hmax	Hmin	TEMP	TMAX	TMIN	DEWPT	DIR	VELO	U	V	VM
SURFACE	947.5	954	938	23.3	26.6	19.4	21.1	270	2.2	2.2	0	3.1
1000	65	138	-28									
950	512	833	424	23.7	26.4	20.6	21.1	216	1.4	0.8	1.1	3.5
925	732	784	658	23	27.9	18	19.4	259	3.2	3.1	0.6	6
900	984	1061	899	22	28.6	15.4	18	276	3.7	3.7	-0.4	6.9
850	1479	1561	1386	19.4	26.8	12.3	15.1	291	3.1	2.9	-1.1	7.1
800	1998	2076	1897	16.3	26.2	7.9	11.9	300	2.8	2.4	-1.4	6.8
750	2542	2680	2437	13.2	21	6.8	8.3	306	2.2	1.8	-1.3	6.1
700	3122	3277	3008	9.9	17	3.2	4.4	313	1.6	1.2	-1.1	5.6
650	3731	3900	3616	6.6	15	-2.5	0.6	312	1.5	1.1	-1	5.7
600	4387	4524	4268	3.2	12.8	-4.7	-3.4	311	0.9	0.7	-0.6	5.5
550	5092	5243	4969	-0.4	6.8	-9.5	-7.6	323	0.5	0.3	-0.4	5.3
500	5845	6015	5722	-4.5	2.4	-12.5	-12.3	37	0.5	-0.3	-0.4	5.2
450	6667	6850	6500	-9.2	-1.5	-18.9	-17.1	67	1.3	-1.2	-0.5	5.1
400	7570	7856	7424	-14.7	-5.3	-23.9	-22.8	75	2	-1.9	-0.5	5
350	8569	8853	8410	-21.4	-13.3	-28.9	-29.7	79	3.3	-3.2	-0.6	5.5
300	9689	9973	9498	-29.6	-20.7	-38.5	-37.7	83	4.8	-4.8	-0.6	6.7
250	10962	11263	10746	-40	-30.1	-50.7	-47.8	85	7.3	-7.3	-0.7	9
200	12445	12785	12179	-52.7	-41.1	-64.3	-59.9	84	10.8	-10.7	-1.1	12.7
175	13292	13642	12987	-60	-48.7	-72.5	-65	84	13.2	-13.1	-1.4	15.4
150	14238	14637	13888	-67.8	-57.1	-80.3	-70.5	84	15.8	-15.7	-1.7	18.5
125	15311	15765	14910	-75.2	-63.9	-86.9		85	17.7	-17.6	-1.4	20.4
100	16597	17034	16178	-77.8	-59.4	-89.1		88	16.8	-16.8	-0.7	18.6
80	17895	18392	17469	-71.6	-52.2	-84.9		81	13.2	-13	-2	14.6
70	18697	19232	18250	-67.7	-48.6	-80.1		80	12.2	-12	-2.2	13.5
60	19499	20055	19170	-64	-51.8	-74.1		77	12.8	-12.5	-2.8	14.3
50	20754	21528	20254	-60.2	-43.2	-70.5		79	13.6	-13.4	-2.5	15.2
40	22137	22972	21614	-57.3	-44.1	-66.7		79	14.6	-14.3	-2.9	16.5
30	23969	24850	23456	-53.1	-38.3	-62.1		81	17.5	-17.3	-2.7	19.5
25	25135	26000	24600	-51.4	-40.7	-61.1		81	18.1	-17.9	-2.8	20.4
20	26623	27546	26068	-49.3	-38.3	-58.3		84	19	-18.9	-1.9	21.4
15	28532	29483	27999	-47.1	-38.3	-57.9		84	17.4	-17.3	-1.7	19.1
10	31270	32249	30536	-42.7	-33.7	-55.9		83	14.4	-14.3	-1.8	16.5
7	33877	34725	33223	-36.8	-30.5	-43.7		77	11.7	-11.4	-2.7	16.5

## FREEZING LEVEL

P	Height	H_max	H_min
556	5010	6600	3710

## FIRST TROPOPAUSE

P	Height	Temp

## SECOND TROPOPAUSE

P	Height	Temp
107	16253	-80.4

PRESSURE	HEIGHT	Hmax	Hmin	TEMP	TMAX	TMIN	DEWPT	DIR	VELO	U	V	VM
SURFACE	950.2	957	941	21.8	28.8	15.6	19.5	82	0.7	-0.7	-0.1	2.2
1000	93	166	11									
950	537	597	446	21.5	27.4	15.4	18.3	90	1.4	-1.4	0	2.7
925	759	806	682	22.7	28.2	17.6	17.4	70	1.5	-1.4	-0.5	4.3
900	1007	1096	919	21.6	28.8	14.4	14.8	63	2.2	-2	-1	5.2
850	1501	1576	1412	18.6	27.2	11.2	11.3	53	3.1	-2.5	-1.9	5.9
800	2018	2103	1934	15.4	24.4	7.8	7.3	44	3.3	-2.3	-2.4	6
750	2561	2690	2471	12.2	21.2	3	3.9	38	2.9	-1.8	-2.3	5.8
700	3137	3232	3061	9	19.4	0.2	0.7	39	2.2	-1.4	-1.7	5.4
650	3744	3900	3650	6	14.6	-5.9	-2.8	42	1.5	-1	-1.1	5.1
600	4399	4535	4313	2.8	10.8	-5.7	-6.3	59	1.2	-1	-0.6	5.1
550	5102	5280	4998	-0.8	8.4	-8.5	-10.4	59	1.2	-1	-0.6	5.3
500	5854	6034	5737	-5	5.2	-11.7	-15.3	63	1.3	-1.2	-0.6	5.4
450	6673	6878	6530	-9.9	-1.5	-16.3	-20.1	66	1	-0.9	-0.4	5.4
400	7573	7800	7429	-15.6	-8.3	-21.8	-26	90	0.5	-0.5	0	5.4
350	8566	8882	8400	-22.5	-13.3	-30.1	-32.7	180	0.6	0	0.6	5.6
300	9681	9971	9519	-30.8	-21.7	-39.9	-41.1	193	1.3	0.3	1.3	6.1
250	10948	11282	10761	-41	-29.1	-49.9	-51	187	2.4	0.3	2.4	7.2
200	12424	12783	12190	-53.5	-35.9	-65.6	-62.4	170	3.6	-0.6	3.5	9
175	13269	13667	13007	-60.7	-46.7	-76.8	-66.6	159	4	-1.4	3.7	9.9
150	14212	14653	13905	-68.2	-56.1	-81.6	-69.1	141	4.5	-2.8	3.5	10.2
125	15286	15763	14747	-75.1	-61.7	-88.5		122	5.2	-4.4	2.8	10.1
100	16567	17079	15983	-78.3	-61.2	-89.9		99	6.1	-6	0.9	8.9
80	17856	18363	17512	-72.8	-56.1	-85.1		88	5.7	-5.7	-0.2	7.6
70	18653	19147	18316	-68.7	-50.1	-82.1		83	5.8	-5.8	-0.7	7.6
60	19530	20069	19221	-64.9	-46.1	-78.1		81	7.2	-7.1	-1.1	8.6
50	20688	21196	20055	-60.7	-39.6	-74.3		83	9.3	-9.2	-1.2	10.3
40	22077	22673	21693	-57.3	-35.4	-69.9		82	11.1	-11	-1.5	12
30	23907	24607	23432	-53.4	-33.5	-64.3		85	12.5	-12.5	-1.1	13.4
25	25060	25819	24563	-51.8	-35.9	-63.3		84	13.2	-13.1	-1.4	14.4
20	26515	27288	26044	-49.3	-37.4	-61.7		83	13	-12.9	-1.5	14.7
15	28419	29263	27912	-47.1	-36.9	-61.1		81	12.8	-12.6	-2	15.3
10	31175	31933	30595	-43	-32.7	-59.7		75	9.6	-9.3	-2.5	12.9
7	33622	34390	33072	-39.5	-30.7	-54.7		87	10.2	-10.2	-0.6	12.5

## FREEZING LEVEL

P	Height	H_max	H_min
563	4928	6500	3400

## FIRST TROPOPAUSE

P	Height	Temp

## SECOND TROPOPAUSE

P	Height	Temp
106	16292	-80.7

PRESSURE	HEIGHT	Hmax	Hmin	TEMP	TMAX	TMIN	DEWPT	DIR	VELO	U	V	VM
SURFACE	952.8	960	942	18.5	24.2	12	15.5	87	1.7	-1.7	-0.1	2.3
1000	121	188	25									
950	559	897	467	18.8	27.6	12.4	15.3	90	2.2	-2.2	0	3
925	776	814	680	20.6	26.2	10.3	13.7	74	3.3	-3.2	-0.9	5
900	1025	1100	936	19.6	27.6	9.2	11.4	68	4	-3.7	-1.5	5.6
850	1514	1584	1431	16.8	25	5.2	7.4	60	4.2	-3.6	-2.1	6.1
800	2029	2096	1933	14.2	22.4	4.2	3.7	52	3.6	-2.8	-2.2	5.9
750	2571	2660	2463	11.8	21	3.7	0.1	45	2.7	-1.9	-1.9	5.4
700	3145	3240	3031	9.2	17.2	-1.3	-2.6	41	2	-1.3	-1.5	5
650	3753	3900	3600	6.2	14.8	-4.5	-6.1	32	1.5	-0.8	-1.3	5.1
600	4406	4529	4289	2.9	12.4	-4.3	-10.1	20	1.2	-0.4	-1.1	5.5
550	5109	5270	4990	-1	9.2	-10.7	-13.5	351	1.2	0.2	-1.2	5.9
500	5859	6013	5741	-5.5	6.6	-12.1	-18	318	1.5	1	-1.1	6.4
450	6677	6856	6545	-10.7	1.4	-18.9	-22.6	288	2.2	2.1	-0.7	6.9
400	7573	7787	7420	-16.6	-6.1	-25.9	-28.6	276	3.6	3.6	-0.4	7.7
350	8563	8811	8388	-23.5	-11.9	-31.5	-35.1	262	5.5	5.4	0.8	8.8
300	9672	9975	9461	-31.8	-19.9	-39.9	-44	251	7.9	7.5	2.6	10.5
250	10934	11305	10683	-42	-29.3	-51.5	-53.4	239	10.1	8.7	5.2	12.5
200	12406	12865	12110	-54.2	-37.9	-64.3	-65.3	230	11.8	9	7.6	14.4
175	13246	13755	12922	-61.1	-49.3	-73.7	-74.1	230	11.1	8.5	7.2	14.1
150	14187	14740	13831	-68.3	-54.1	-81.6		233	9.8	7.8	5.9	12.8
125	15263	15850	14875	-74.8	-60.1	-88.1		242	6.2	5.5	2.9	9.6
100	16544	17163	16119	-78.8	-65.7	-89.1		256	1.2	1.2	0.3	7.2
80	17822	18361	17460	-75	-53.4	-89.5		71	1.8	-1.7	-0.6	6.2
70	18607	19180	18251	-71	-50.4	-85.5		75	2	-1.9	-0.5	5.5
60	19424	20096	19144	-66.5	-44.7	-77.9		74	2.6	-2.5	-0.7	5.7
50	20637	21245	20220	-61.5	-43.4	-76.3		81	4	-4	-0.6	6.7
40	22024	22691	21566	-57.4	-39.6	-69.5		82	6.2	-6.1	-0.9	8.3
30	23846	24556	23304	-53.5	-38.5	-64.3		81	7.1	-7	-1.1	9.5
25	25007	25760	24470	-51.5	-36.3	-61.9		82	7.5	-7.4	-1.1	10.1
20	26463	27202	25952	-48.9	-33.9	-58.7		81	7.1	-7	-1.1	9.8
15	28354	29170	27826	-46	-25.7	-53.5		75	5.2	-5	-1.3	9.5
10	31035	31661	30554	-42.5	-28.7	-51.1		72	1.6	-1.5	-0.5	6.3
7	33326	34060	32871	-38.2	-33.1	-44.3		288	0.9	0.9	-0.3	7.5

## FREEZING LEVEL

P	Height	H_max	H_min
565	4907	6390	2980

## FIRST TROPOPAUSE

P	Height	Temp

## SECOND TROPOPAUSE

P	Height	Temp
103	16418	-80.5

PRESSURE	HEIGHT	Hmax	Hmin	TEMP	TMAX	TMIN	DEWPT	DIR	VELO	U	V	VM
SURFACE	954.6	985	946	16.2	22.6	10.6	13.2	106	1.8	-1.7	0.5	2.2
1000	140	194	59									
950	574	884	499	16.9	24.6	9.8	13.1	105	2.3	-2.2	0.6	3
925	792	833	730	18.9	25.5	10.6	11.4	88	3.1	-3.1	-0.1	4.7
900	1038	1104	967	17.9	28	9.4	9.3	88	3.6	-3.6	-0.1	5.2
850	1525	1591	1453	15.7	27	5.6	4	69	3.1	-2.9	-1.1	5.2
800	2037	2115	1946	13.6	26.4	4.8	-0.3	54	2.4	-1.9	-1.4	5
750	2576	2694	2500	11.4	26.2	1.2	-3.8	43	1.6	-1.1	-1.2	5
700	3151	3276	3051	9.1	22.8	1.2	-6.8	6	1	-0.1	-1	5.2
650	3758	3911	3650	5.9	16.6	-5.1	-10.4	312	1.3	1	-0.9	5.8
600	4411	4583	4302	2.3	10.8	-5.3	-14	292	2.2	2	-0.8	6.5
550	5111	5296	4991	-1.9	6.6	-9.7	-18.3	280	3.4	3.3	-0.6	7.3
500	5858	6062	5720	-6.7	1	-15.3	-22.5	271	4.6	4.6	-0.1	8.2
450	6673	6892	6517	-12.1	-3.5	-22.7	-27.4	268	6.4	6.4	0.2	9.9
400	7562	7795	7335	-18.1	-6.9	-29.3	-33.2	263	8.6	8.5	1	11.7
350	8547	8781	8315	-25.1	-15.7	-38.3	-38.9	261	11.2	11.1	1.7	14.5
300	9648	9887	9370	-33.4	-22.1	-44.7	-46.7	257	13.9	13.5	3.2	16.9
250	10902	11179	10567	-43.3	-31.9	-56.7	-55.5	249	16.6	15.5	5.9	19.7
200	12367	12757	11978	-55.1	-41.1	-66.5	-65.7	243	18.6	16.6	8.4	21.5
175	13206	13616	12794	-61.5	-46.7	-73.9	-63.7	243	18.3	16.4	8.2	20.9
150	14148	14625	13703	-68.1	-52.1	-79.9	-69.7	246	16.5	15	6.8	18.9
125	15226	15783	13048	-73.9	-59.9	-88.9		251	12.2	11.6	3.9	14.5
100	16512	17149	15982	-78.4	-67.5	-89.9		258	6.6	6.5	1.4	10.2
80	17786	18481	17204	-76.4	-53.1	-87.7		255	2	1.9	0.5	7.1
70	18567	19280	17940	-73	-52.6	-85.1		247	0.8	0.7	0.3	6
60	19390	20057	18803	-68.4	-49.1	-82.3		90	0.4	-0.4	0	5.5
50	20581	21373	19854	-63.4	-42.1	-74.3		90	1	-1	0	5.5
40	21954	22810	21163	-59.3	-40.9	-73.5		79	2.1	-2.1	-0.4	5.9
30	23765	24701	22897	-55.2	-40.9	-67.9		67	2.3	-2.1	-0.9	7.5
25	24920	25860	24019	-52.8	-40.2	-62.9		65	2.3	-2.1	-1	7.6
20	26385	27441	25627	-49.7	-35.9	-60.5		86	1.4	-1.4	-0.1	8.3
15	28278	29097	27499	-47.2	-34.9	-84.5		198	1.3	0.4	1.2	9.2
10	30976	31883	30241	-42.7	-21.7	-52.7		264	2.8	2.8	0.3	10.3
7	33345	34139	32548	-40.1	-28.5	-51.5		270	5.2	5.2	0	10.5

## FREEZING LEVEL

P	Height	H_max	H_min
573	4790	6050	3430

## FIRST TROPOPAUSE

P	Height	Temp

## SECOND TROPOPAUSE

P	Height	Temp
100	16557	-79.9