



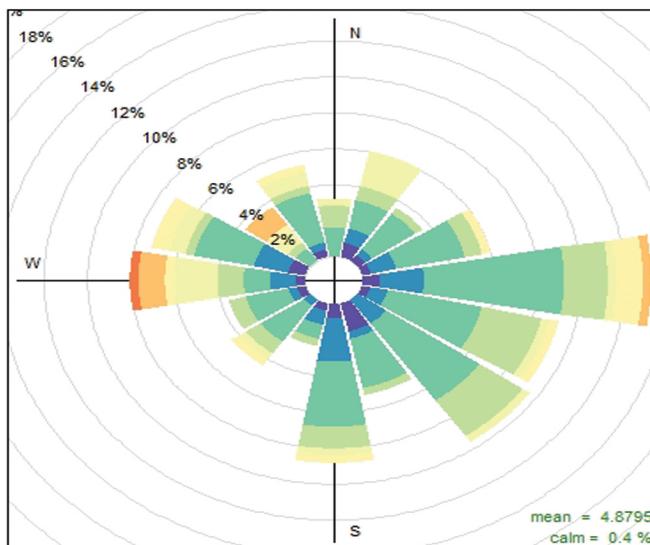
भारत सरकार / GOVERNMENT OF INDIA

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)



पटियाला
PATIALA

सितम्बर २०२०
SEPTEMBER 2020



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

सितम्बर २०२०
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PREFACE

India Meteorological Department (IMD), Ministry of Earth Sciences, brings out publications on varied meteorological topics. Normals of Radiosonde and Radiowind data has been published by the Climate Data Management and Services Group (CDMS), Office of Climate Research and Services (C R & S), IMD Pune since 1979. Four such publications have been published till date. The present publication ‘Monthly Normals of Radiosonde and Radiowind (1981-2010) and Monthly Upper Air Windrose Diagrams (2000-2015)’ is prepared using 0000 UTC (0530 IST) observation data from 35 Radiosonde and Radiowind (RS/RW) Upper Air stations for the period 1981-2010 and wind profile data of 34 RS/RW stations for the period 2000-2015 at eight different levels (1000, 925, 850, 700, 500, 300, 200, 100 hPa). The wind rose diagrams are prepared using R software after processing the RS/RW data by applying various quality checks. The present publication provides the climatology of different meteorological parameters at various levels over the station **Patiala** (Latitude $30^{\circ}20'N$, Longitude $76^{\circ}28'E$).

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

Pune

September 2020

Dr. D. S. Pai

Head C R & S

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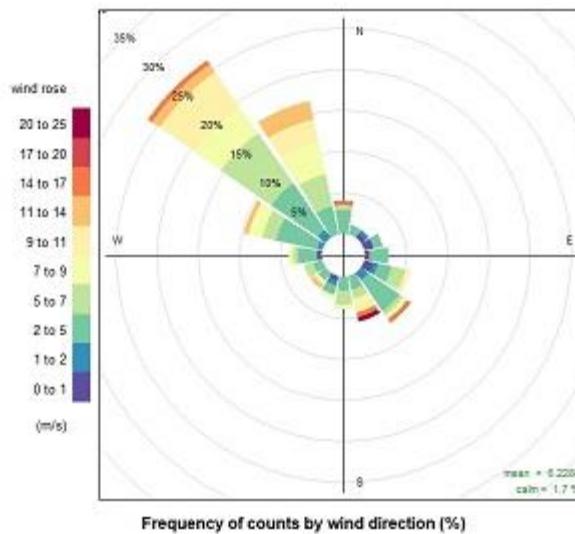
Description of various terms used in the table (Normals of Radiosonde data)

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

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

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

Interpretation of wind rose diagrams:



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

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

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

Patiala

January

1000 hPa level

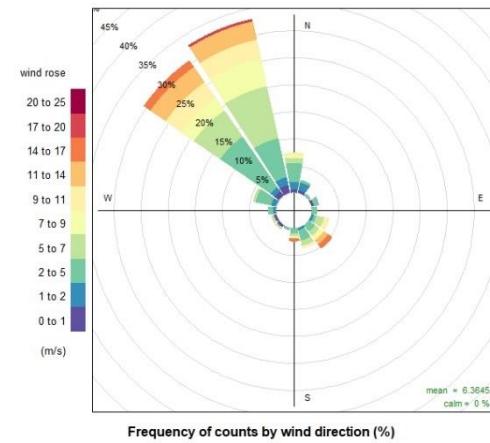
Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11												
12-33												
34-56												
57-78												
79-101												
102-123												
124-146												
147-168												
168-191												
192-213												
214-236												
237-258						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

Patiala

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		0.5	1.5	3.4	1	0.5	0.5	0	0	0	0	0
12-33		0.5	1.5	0.5	0	0	0	0	0	0	0	0
34-56		0	0	0.5	0	0	0	0	0	0	0	0
57-78		0.5	0	1	0	0	0	0	0	0	0	0
79-101		0	0	1	0	0	0	0	0	0	0	0
102-123		0	0.5	0.5	1.5	0	1	0	0	0	0	0
124-146		0	0	1.5	1	1	0	1	1	0	0	0
147-168		0	0.5	2	1	0	0.5	0	0	0	0	0
168-191		0	0	1	0.5	0	0.5	0	0.5	0	0	0
192-213		0	0	0.5	0	0	0	0	0	0	0	0
214-236		0.5	0	0	0.5	0	0	0	0	0	0	0
237-258		0.5	0	0	0.5	0	0	0	0	0	0	0
259-281		0	0.5	1	0	0	0	0	0	0	0	0
282-303		0	1	3	0.5	0	0	0	0	0	0	0
304-326		1	1	11.3	5.9	3	3.4	3.4	1.5	0	0	0
327-348		1.5	1.5	7.4	9.9	5.4	3.4	3.4	0	0.5	0	0

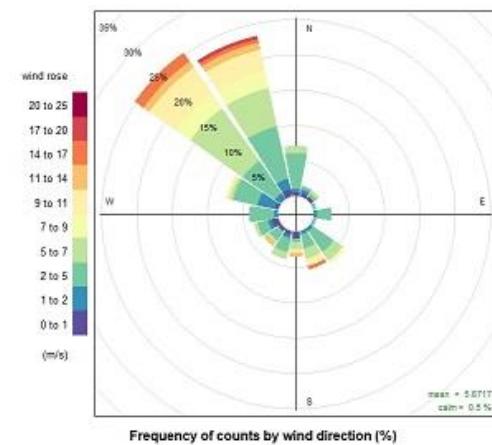


Patiala

January

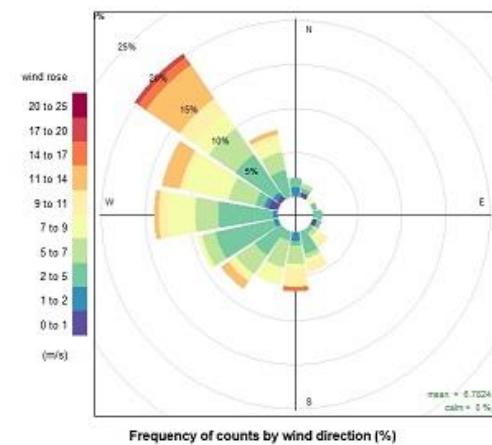
850 hPa level

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		0.5	0.5	5.1	1	0	0	0	0	0	0	0
12-33		0.5	0.5	0.5	0	0	0	0	0	0	0	0
34-56		0.5	0	0.5	0.5	0	0	0	0	0	0	0
57-78		0	0	0.5	0	0	0	0	0	0	0	0
79-101		0	0.5	2	0	0	0	0	0	0	0	0
102-123		0	0	0.5	0	0	0	0	0	0	0	0
124-146		0	0.5	3.5	1.5	0.5	0	0	0	0	0	0
147-168		0	0.5	2	1.5	0	1	0	0.5	0	0	0
168-191		1	0	0.5	1	0	0.5	0.5	0	0	0	0
192-213		0.5	0.5	2	1	0	0	0	0	0	0	0
214-236		0.5	0	1.5	0.5	0	0	0.5	0	0	0	0
237-258		1	0.5	1.5	0.5	0	0	0	0	0	0	0
259-281		0	0.5	3.5	0	0	0	0	0	0	0	0
282-303		0.5	2.5	3.5	0.5	0	0.5	0	0	0	0	0
304-326		0	1	5.6	9.1	2.5	4.5	1	1.5	0	0	0
327-348		1	1.5	7.6	5.6	2.5	3	1	0.5	0.5	0	0



Patiala **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	1	1	0	0	0	0	0	0	0	0
12-33		0.5	0	0.5	0.5	0	0	0	0	0	0	0
34-56		0	0	0	0	0.5	0	0	0	0	0	0
57-78		0	0	0.5	0	0	0	0	0	0	0	0
79-101		0	0	1	0	0	0	0	0	0	0	0
102-123		0.5	0	0.5	0	0	0	0	0	0	0	0
124-146		0	0	0.5	0.5	0.5	1	0	0	0	0	0
147-168		0	0	1.6	0.5	0.5	1	0	0	0	0	0
168-191		0	1	1.6	2.1	0.5	2.1	0	0.5	0	0	0
192-213		0	0	1	3.1	2.1	0	0	0	0	0	0
214-236		0	0	3.6	2.6	0.5	0.5	1	0	0	0	0
237-258		0	0.5	6.7	1.6	0.5	0	0	0	0	0	0
259-281		0	0.5	6.2	2.6	3.1	1	0.5	0	0	0	0
282-303		1	0.5	1	3.1	5.2	0.5	2.1	0	0	0	0
304-326		0.5	0.5	5.2	3.6	2.1	2.1	4.7	1	0.5	0	0
327-348		0	0	3.1	2.1	1.6	0.5	0.5	0	0	0	0

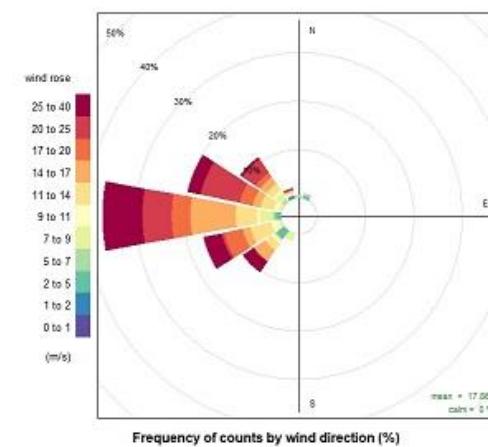


Patiala

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	0	0.5	0	0	0	0	0	0	0
12-33		0	0	0.5	0.5	0	0	0	0	0	0	0
34-56		0	0	0	0	0	0	0	0	0	0	0
57-78		0	0	0	0	0	0	0	0	0	0	0
79-101		0	0	0	0	0	0	0	0	0	0	0
102-123		0	0	0	0	0	0	0	0	0	0	0
124-146		0	0	0	0	0	0	0	0	0	0	0
147-168		0	0	0	0	0	0	0	0	0	0	0
168-191		0	0	0	0	0	0	0	0	0	0	0
192-213		0	0	0	1.6	0	0	0	0	0	0	0
214-236		0	0	2.2	0	0.5	0.5	1.6	2.7	0	0	2.7
237-258		0	0	0	0.5	1.6	4.4	1.6	3.8	0.5	0.5	3.8
259-281		0	0	1.1	0.5	2.7	0.5	4.4	9.3	3.8	6	8.2
282-303		0	0	0	0.5	1.1	2.7	1.6	2.7	8.2	2.7	2.7
304-326		0	0	0	0.5	1.6	0.5	1.6	1.6	1.1	3.3	0.5
327-348		0	0.5	0	0	0	0.5	0.5	0	0	0.5	0

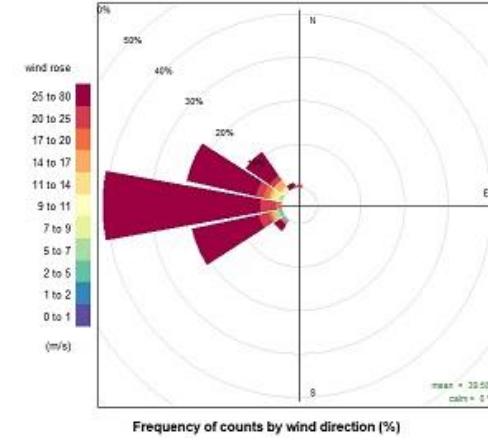


Patiala

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	0.6	0
12-33		0	0	0	0	0	0	0	0	0	0	0
34-56		0	0	0	0	0	0	0	0	0	0	0
57-78		0	0	0	0	0	0	0	0	0	0	0
79-101		0	0	0	0	0	0	0	0	0	0	0
102-123		0	0	0	0	0	0	0	0	0	0	0
124-146		0	0	0	0	0	0	0	0	0	0	0
147-168		0	0	0	0	0	0	0	0	0	0	0
168-191		0	0	0	0	0	0	0	0	0	0	0
192-213		0	0	0	0	0	0	0	0	0	0	0
214-236		0	0	0.6	0	0	0	0	0	0.6	0	1.8
237-258		0	0	0.6	1.2	0	0	0	0.6	0.6	2.4	15.7
259-281		0	0	0	0	0	0	0	0	1.2	3.6	36.1
282-303		0	0	0	0.6	1.2	0	0.6	0.6	1.2	1.8	16.3
304-326		0	0	0	0	0	0.6	0.6	1.8	0	1.2	6.6
327-348		0	0	0	0	0	0	0	0	0	0	1.2

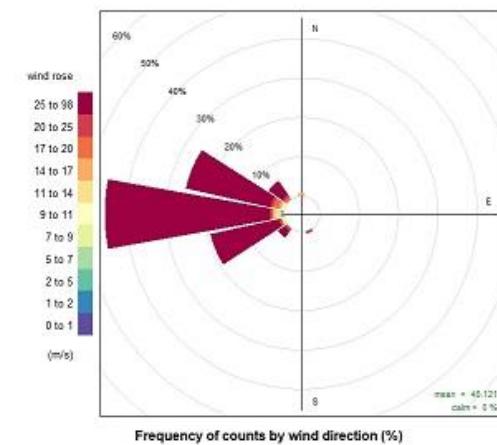


Patiala

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	0.7	0	0	0
12-33		0	0	0	0	0	0	0	0	0	0	0
34-56		0	0	0	0	0	0	0	0	0	0	0
57-78		0	0	0	0	0	0	0	0	0	0	0
79-101		0	0	0	0	0	0	0	0	0	0	0
102-123		0	0	0	0	0	0	0	0	0	0	0
124-146		0	0	0	0	0	0	0	0	0	0	0
147-168		0	0	0	0	0	0	0	0	0	0.7	0
168-191		0	0	0	0	0	0	0	0	0	0	0
192-213		0	0	0	0	0	0	0	0	0	0	0
214-236		0	0	0	0	0	0	0	0	0	0.7	2.1
237-258		0	0	0	0	0	0.7	0	0	0	0.7	17.7
259-281		0	0	0.7	0	0	0	1.4	0.7	0	0.7	41.8
282-303		0	0	0	0	0.7	0	0.7	1.4	0.7	0.7	22
304-326		0	0	0	0	0	0	0	0	0.7	0.7	4.3
327-348		0	0	0	0	0	0	0	0	0	0	0

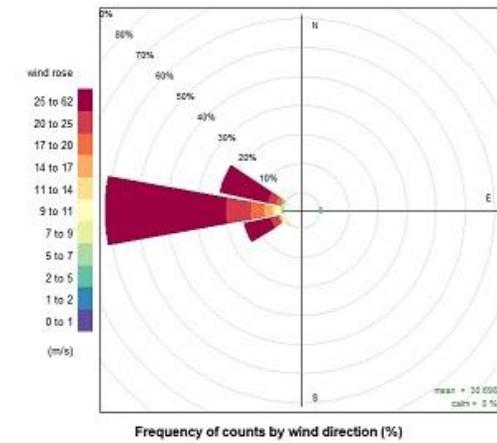


Patiala

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	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	0.9	0	0	0	0	0	0	0	0
102-123		0	0	0	0	0	0	0	0	0	0	0
124-146		0	0	0	0	0	0	0	0	0	0	0
147-168		0	0	0	0	0	0	0	0	0	0	0
168-191		0	0	0	0	0	0	0	0	0	0	0
192-213		0	0	0	0	0	0	0	0	0	0	0
214-236		0	0	0	0.9	0	0	0	0	0	0	0
237-258		0	0	0	0	0.9	0	0.9	0	2.8	9.4	
259-281		0	0	0	0.9	0	1.9	0.9	2.8	4.7	8.5	41.5
282-303		0	0	0	0.9	0	0	0	0	1.9	2.8	17
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



Patiala

February

1000 hPa level

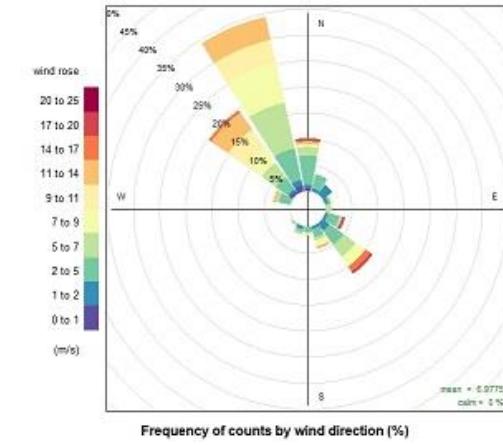
Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11												
12-33												
34-56												
57-78												
79-101												
102-123												
124-146												
147-168												
168-191												
192-213												
214-236												
237-258						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

Patiala

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		0.6	0.6	5.6	1.7	0.6	0	0.6	0	0.6	0	0
12-33		0	0.6	2.8	0	0	0	0	0	0	0	0
34-56		0	2.2	0	0	0	0	0	0	0	0	0
57-78		0	0.6	0.6	0	0.6	0	0	0	0	0	0
79-101		0	0	0	1.1	0	0	0	0	0	0	0
102-123		0	0.6	2.2	0.6	0	0	0	0	0.6	0	0
124-146		0	1.7	3.4	2.8	2.2	0	0	1.1	0.6	0	0
147-168		0	0.6	1.7	0.6	1.1	0	0.6	0	0	0	0
168-191		0	0	1.1	0	0.6	0	0	0	0	0	0
192-213		0	0.6	0.6	0.6	0	0	0	0	0	0	0
214-236		0	0	0	0.6	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	2.2	0.6	0	0	0.6	0	0	0	0
304-326		0.6	0.6	2.8	3.4	3.4	4.5	3.9	0.6	0	0	0
327-348		1.1	1.1	6.2	9	7.9	4.5	4.5	0	0	0	0

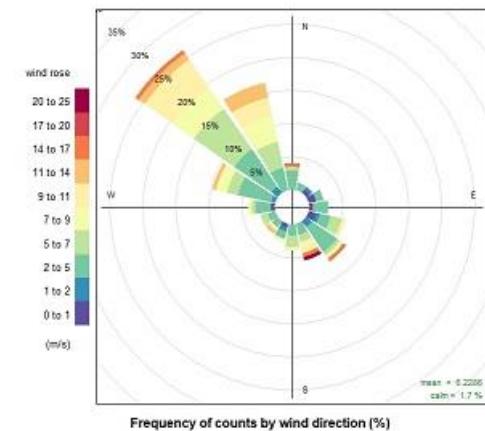


Patiala

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	2	0	0	2.9	0.6	0	0	0	0.6	0	0	0
12-33		0	0	1.1	0	0	0	0	0	0	0	0
34-56		0.6	0.6	0	0	0	0	0	0	0	0	0
57-78		1.1	0	1.1	0	0	0	0	0	0	0	0
79-101		0.6	0	2.3	0	0	0	0	0	0	0	0
102-123		1.1	0.6	1.7	1.7	0	0.6	0	0	0	0	0
124-146		0	1.1	4.6	0.6	0.6	0	0	0.6	0	0	0
147-168		0	0	1.7	1.1	0.6	1.1	0	0.6	0	0.6	0
168-191		0	0	1.7	1.7	0.6	0	0	0	0	0	0
192-213		0.6	0.6	1.1	0	0.6	0	0	0	0	0	0
214-236		0	0	1.1	0	0	0.6	0.6	0	0	0	0
237-258		0	0	1.1	1.1	0	0	0	0	0	0	0
259-281		0.6	0	2.3	0.6	0.6	0	0	0	0	0	0
282-303		0	0.6	5.1	1.7	1.7	0	0.6	0	0	0	0
304-326		0	1.1	6.9	7.4	4	5.1	1.1	0.6	0	0	0
327-348		0	0	3.4	4	4	2.9	2.3	0	0	0	0

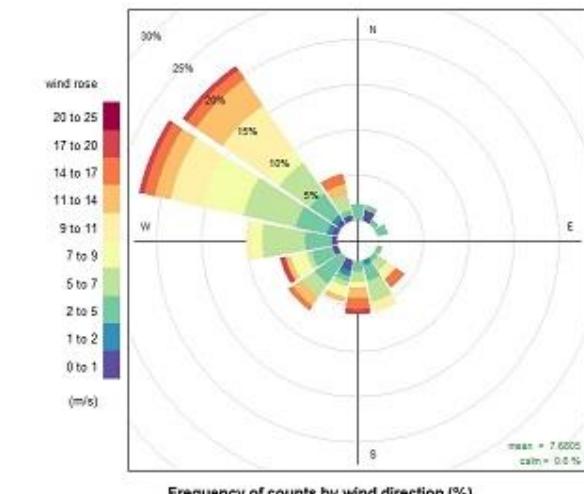


Patiala

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	1	0	0	1.8	0	0	0	0	0	0	0	0
12-33		1.2	0	0.6	0	0	0	0	0	0	0	0
34-56		0	0	0.6	0	0	0	0	0	0	0	0
57-78		0	0	1.2	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	0.6	0	0	0	0	0	0	0	0
124-146		0	0	0.6	1.2	0	1.2	0	1.2	0	0	0
147-168		0	0.6	1.8	2.4	0	1.2	0	0	0	0	0
168-191		0	0	1.2	1.2	0.6	0	1.2	1.2	0.6	0	0
192-213		1.2	0.6	0.6	0.6	1.2	0	0.6	0	0	0	0
214-236		0	0	3.6	1.8	0	0	1.2	0.6	0	0	0
237-258		0.6	0	2.4	0.6	1.8	0	0.6	0	0.6	0	0
259-281		0.6	0	3	4.7	1.2	0.6	0	0	0	0	0
282-303		0.6	0.6	3.6	5.9	4.7	3.6	1.8	1.2	0.6	0	0
304-326		0.6	0.6	3	4.1	1.8	5.9	3.6	1.2	0.6	0	0
327-348		0.6	0	0.6	1.8	0	0	1.2	1.2	0	0	0

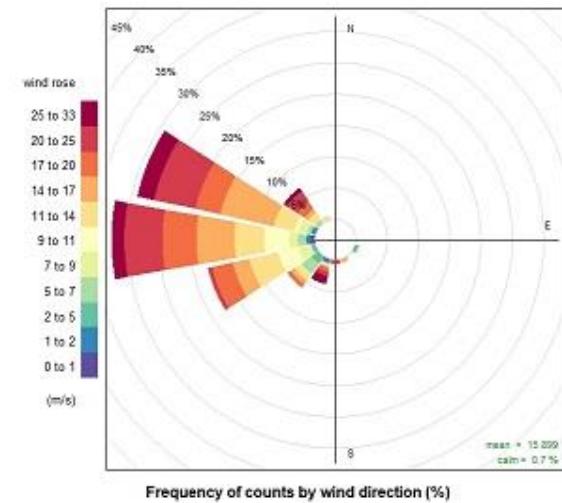


Patiala

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	1	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	0.7	0	0	0.7	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	0.7	0	0	0	0
168-191		0	0	0	0	0	0	0	0	0.7	0	0
192-213		0	0.7	0	0	0	0	0.7	0	0.7	0.7	1.4
214-236		0	0	1.4	2	0.7	0	0.7	0.7	0.7	0	0
237-258		0	0	0.7	0	2	3.4	4.7	2.7	3.4	0.7	0
259-281		0.7	0.7	0	1.4	1.4	4.1	4.7	6.1	5.4	6.1	2
282-303		0	0.7	0	0.7	1.4	0.7	3.4	8.8	4.1	6.8	2.7
304-326		0	0	0	0.7	0	0	1.4	0.7	1.4	2	0.7
327-348		0	0	0	0	0	0.7	0	0	0	0	0

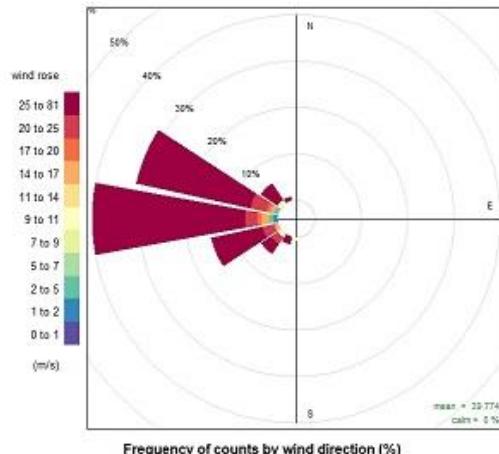


Patiala

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
12-33		0	0	0	0	0	0	0	0	0	0	0
34-56		0	0	0	0	0	0	0	0	0	0	0
57-78		0	0	0	0	0	0	0	0	0	0	0
79-101		0	0	0	0	0	0	0	0	0	0	0
102-123		0	0	0	0	0	0	0	0	0	0	0
124-146		0	0	0	0	0	0	0	0	0	0	0
147-168		0	0	0	0	0	0	0	0	0	0	0
168-191		0	0	0	0	0	0.9	0	0	0	0	0
192-213		0	0	0	0	0	0	0	0	0	0	1.8
214-236		0	0	0	0	0	0.9	0	0	0	1.8	2.6
237-258		0	0	0	0	0	0	0	0.9	0	2.6	11.4
259-281		0	0.9	0.9	0	0	0	0	1.8	0.9	2.6	33.3
282-303		0	0	0.9	0	0	0	0	0.9	0.9	3.5	24.6
304-326		0	0	0	0	0	0.9	0	0	0	0	4.4
327-348		0	0	0	0	0	0	0	0	0	0	0.9

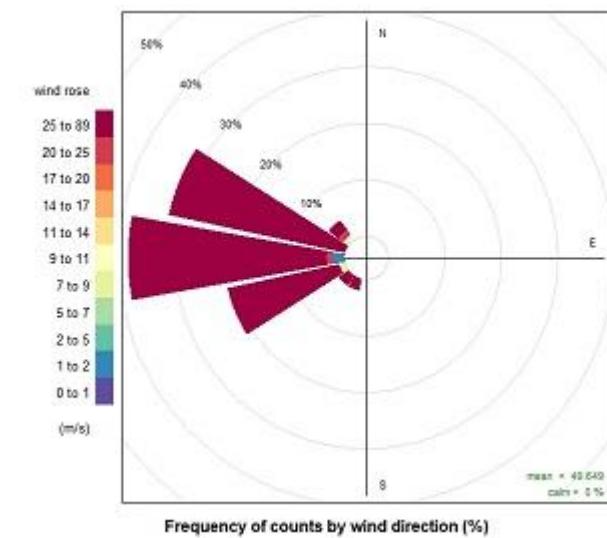


Patiala

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	0	0	0	0	0	0	0
12-33		0	0	0	0	0	0	0	0	0	0	0
34-56		0	0	0	0	0	0	0	0	0	0	0
57-78		0	0	0	0	0	0	0	0	0	0	0
79-101		0	0	0	0	0	0	0	0	0	0	0
102-123		0	0	0	0	0	0	0	0	0	0	0
124-146		0	0	0	0	0	0	0	0	0	0	0
147-168		0	0	0	0	0	0	0	0	0	0	0
168-191		0	0	0	0	0	0	0	0	0	0	0
192-213		0	0	0	0	0	0	0	0	0	0	2.1
214-236		0	0	0	0	0	0	0	0	0	0	2.1
237-258		0	0	0	0	1.1	0	0	0	0	0	20.2
259-281		0	2.1	0	0	0	0	0	0	0	1.1	35.1
282-303		0	0	0	0	0	0	0	0	0	0	31.9
304-326		0	0	0	0	0	1.1	0	0	0	1.1	2.1
327-348		0	0	0	0	0	0	0	0	0	0	0

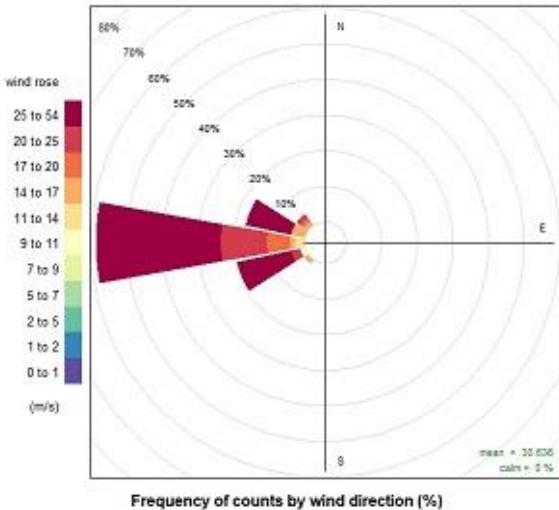


Patiala

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	0	0	0	0	0	0	0	0
12-33		0	0	0	0	0	0	0	0	0	0	0
34-56		0	0	0	0	0	0	0	0	0	0	0
57-78		0	0	0	0	0	0	0	0	0	0	0
79-101		0	0	0	0	0	0	0	0	0	0	0
102-123		0	0	0	0	0	0	0	0	0	0	0
124-146		0	0	0	0	0	0	0	0	0	0	0
147-168		0	0	0	0	0	0	0	0	0	0	0
168-191		0	0	0	0	0	0	0	0	0	0	0
192-213		0	0	0	0	0	0	0	0	0	0	0
214-236		0	0	0	0	0	0	0	1.3	0	0	0
237-258		0	0	0	0	0	1.3	0	0	0	2.6	15.8
259-281		0	0	0	0	0	2.6	1.3	6.6	13.2	34.2	0
282-303		0	0	0	0	0	0	3.9	0	0	0	13.2
304-326		0	0	0	0	0	0	1.3	1.3	1.3	1.3	0
327-348		0	0	0	0	0	0	0	0	0	0	0



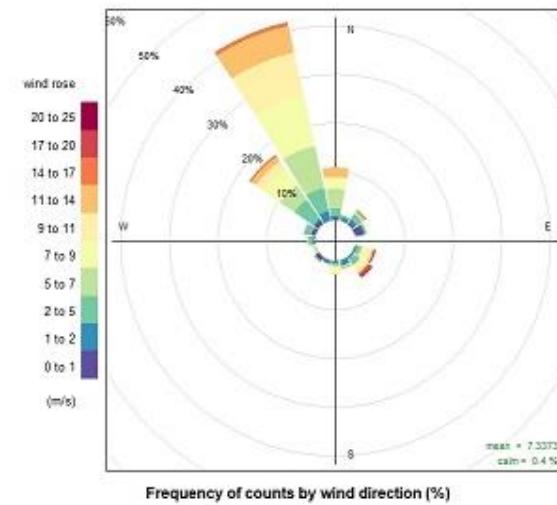
Patiala

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												

Patiala 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		0.4	0.4	1.6	4	2	0.4	2	0	0	0	0
12-33	0	0	0.8	0.4	0	0.4	0	0	0	0	0	0
34-56	0.4	0.8	1.2	0.8	0	0	0	0.4	0	0	0	0
57-78	1.6	0.4	0.4	0	0.4	0	0	0	0	0	0	0
79-101	0	0	0	0	0	0	0	0	0	0	0	0
102-123	0	0.4	0.8	0.4	0.4	1.6	0.4	0	0.4	0	0	0
124-146	0	0.4	1.6	0	0.8	1.2	0	0.4	0.8	0	0	0
147-168	0	1.2	0	0.4	0	0	0.4	0	0	0	0	0
168-191	0	0.4	0.4	0.4	1.2	0.4	0	0	0	0	0	0
192-213	0	0.8	0	0	0.4	0	0	0	0	0	0	0
214-236	0.8	0	0.4	0	0	0	0	0	0	0	0	0
237-258	0	0	0	0.4	0	0.4	0	0	0	0	0	0
259-281	0	0.4	0.8	0.4	0	0	0	0	0	0	0	0
282-303	0.8	0	1.6	0	0	0	0	0	0	0	0	0
304-326	0.8	0.4	4.8	3.6	4	2	1.2	0.4	0	0	0	0
327-348	0	2	4.8	8.8	10.8	8.8	5.6	0.8	0	0	0	0

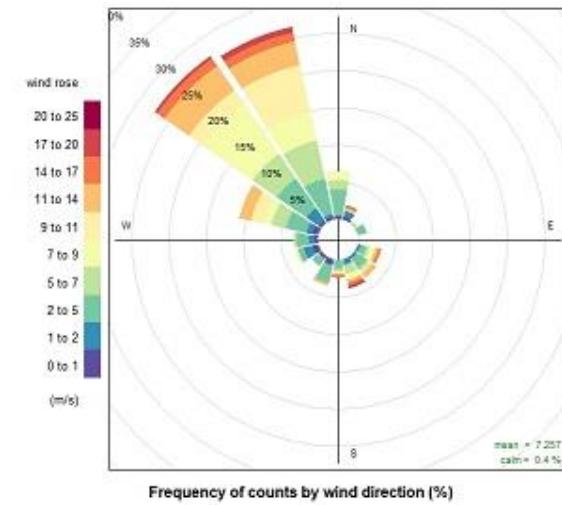


Patiala

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	0.4	0	3.6	1.2	1.2	0	0	0	0	0	0
12-33		0.4	0.8	0	0.4	0	0	0	0.4	0	0	0
34-56		0	0	0	0.4	0	0	0	0	0	0	0
57-78		0	0	1.2	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	0.8	0.4	0.8	0	0.4	0.4	0	0	0
124-146		0	0.4	1.6	0.4	0	0.4	0.8	0	0	0	0
147-168		0	0.4	0	1.2	0.8	0	0.4	0.4	0.4	0	0
168-191		0	0.4	1.2	0.4	0	0.4	0	0.4	0	0	0
192-213		0.8	0	2.4	0	0	0	0.4	0	0	0	0
214-236		0.4	0	1.2	0	0	0	0	0	0	0	0
237-258		0.8	1.2	0.8	0	0	0.4	0	0	0	0	0
259-281		0.4	0.8	1.6	0.4	0	0	0	0	0	0	0
282-303		0.8	0.8	2.8	2	1.2	1.6	1.6	0	0	0	0
304-326		0.4	2	4.8	4	8	2.4	4	1.2	0.4	0	0
327-348		0.4	0.4	4.8	5.2	4	6.4	3.2	1.2	0.8	0	0

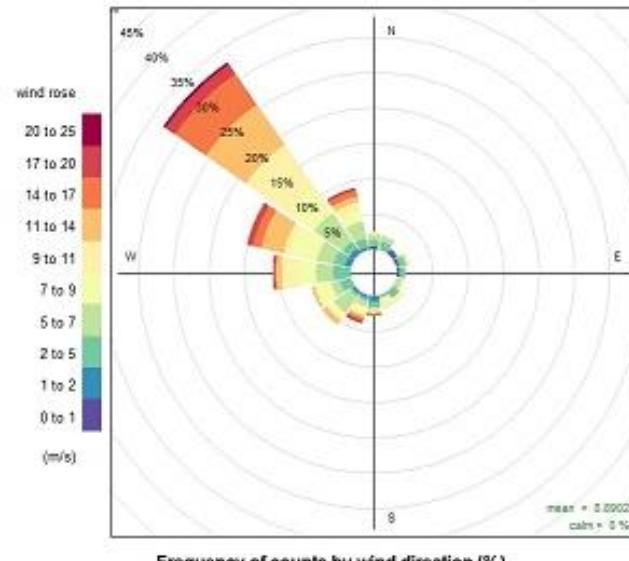


Patiala

March

700 hPa level

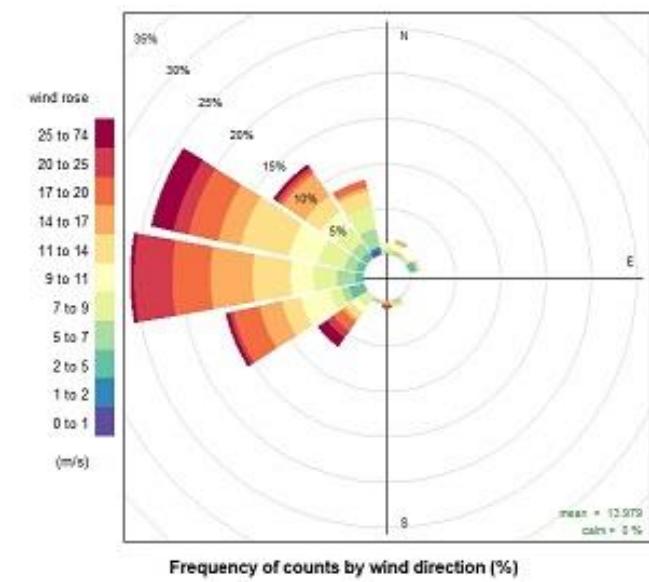
Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	0	0.4	0	0.8	0.8	0	0.4	0	0	0	0	0
12-33		0	0	1.2	0.8	0	0	0	0	0	0	0
34-56		0.4	0.4	0	0	0	0	0	0	0	0	0
57-78		0.4	0	0.8	0.4	0.4	0	0	0	0	0	0
79-101		0.4	0	0.8	0	0	0	0	0	0	0	0
102-123		0	0	0	0.8	0	0.4	0	0	0	0	0
124-146		0	0	1.2	0	0.4	0.4	0	0	0	0	0
147-168		0	0	0.4	0	0.8	0.4	0	0	0	0	0
168-191		0	0.8	0.8	0.4	0.4	0.4	0	0.4	0	0	0
192-213		0	0.4	0.4	0.8	0.8	0.4	0.4	0.4	0.4	0	0
214-236		0	0.4	0.4	2.8	0.8	0.4	0.8	0	0	0	0
237-258		0	0	1.6	1.2	2	0.4	0.4	0	0	0	0
259-281		0	0	2.4	2.4	2.8	2	0.8	0	0.4	0	0
282-303		0	0.8	1.6	2.4	4.1	0.8	3.3	1.2	0.8	0	0
304-326		0	0.8	1.2	4.9	4.5	7.3	6.9	5.3	1.6	0.4	0
327-348		0	0.4	1.2	2.4	1.6	1.2	0.8	0.8	0.4	0	0



Patiala

March 500 hPa level

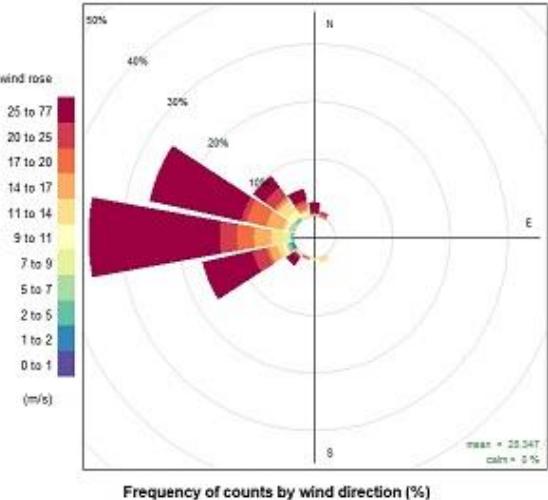
Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11		0	0	0	0.4	0.4	0.4	0	0	0	0	0
12-33		0	0	0	0.4	0	0.8	0	0.4	0	0	0
34-56		0	0	0	0	0	0	0.4	0	0	0	0
57-78		0	0	0.8	0	0	0	0.4	0	0	0	0
79-101		0	0	0	0	0	0	0	0	0	0	0
102-123		0	0	0	0	0	0	0	0	0	0	0
124-146		0	0	0	0	0	0	0	0	0	0	0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



Patiala

March 300 hPa level

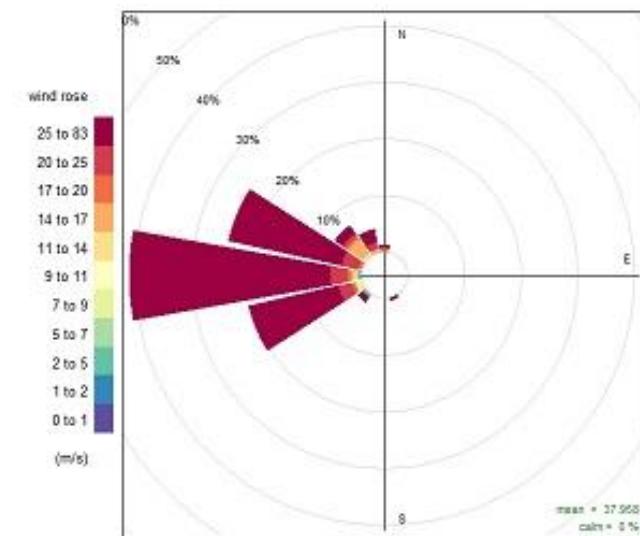
Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11		0	0	0	0	0	0	0	0.5	0	0	2
12-33		0	0	0	0	0	0	0	0	0.5	0.5	0
34-56		0	0	0	0	0	0	0	0	0	0	0
57-78		0	0	0	0	0	0	0	0	0	0	0
79-101		0	0	0	0	0	0	0	0	0	0	0
102-123		0	0	0	0	0	0	0	0	0	0	0
124-146		0	0	0	0	0	0	0	0	0	0	0
147-168		0	0	0	0	0	0	0	0	0	0	0
168-191		0	0	0	0	0	0.5	0	0	0	0	0
192-213		0	0	0	0	0	0	0	0.5	0	0	0
214-236		0	0	0	0.5	0	0	0	0	0	0.5	1.5
237-258		0	0.5	0.5	0.5	0	0.5	1	1.5	0.5	2.5	8.9
259-281		0	0	0.5	0	1.5	0	2	3	3	3	22.8
282-303		0	0	0	1	0	0.5	0.5	3	3.5	1	16.3
304-326		0	0	0.5	0	0.5	1	2	0.5	0.5	2	2.5
327-348		0	0	0	0	0.5	0.5	0	0.5	1	0.5	2



Patiala

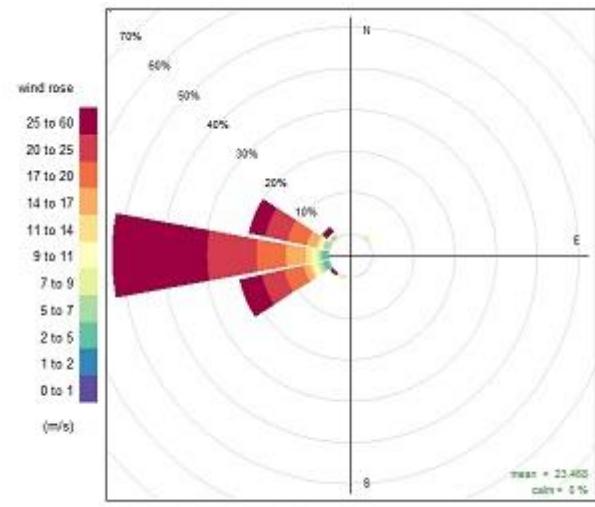
March 200 hPa level

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	0.6	0	0.6
12-33		0	0	0	0	0	0	0	0	0	0	0
34-56		0	0	0	0	0	0	0	0	0	0	0
57-78		0	0	0	0	0	0	0	0	0	0	0
79-101		0	0	0	0	0	0	0	0	0	0	0
102-123		0	0	0	0	0	0	0	0	0	0	0
124-146		0	0	0	0	0	0	0	0	0	0	0
147-168		0	0	0	0	0	0	0	0	0	0	0.6
168-191		0	0	0	0	0	0	0	0	0	0	0
192-213		0	0	0	0	0	0	0	0	0	0	0
214-236		0	0	0.6	0	0	0	0	0	0	1.2	
237-258		0	0	0	0	1.2	0	0	0	0.6	2.4	16.3
259-281		0	0	0.6	0	0	0.6	0.6	0.6	0.6	3	35.5
282-303		0	0	0	0	0	0	0	0.6	0.6	3	20.5
304-326		0	0	0	0	0	0.6	0.6	0.6	0.6	0.6	1.8
327-348		0	0	0	0	0	0	0.6	0	1.2	0	2.4



Patiala 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	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	0.8	0	0	0	0	0	0
57-78		0	0	0	0	0	0	0	0	0	0	0
79-101		0	0	0	0	0	0	0	0	0	0	0
102-123		0	0	0	0	0	0	0	0	0	0	0
124-146		0	0	0	0	0	0	0	0	0	0	0
147-168		0	0	0	0	0	0	0	0	0	0	0
168-191		0	0	0	0	0	0	0	0	0	0	0
192-213		0	0	0	0.8	0	0	0	0	0	0	0
214-236		0	0	0	0	0	0	0	0	0	0	0.8
237-258		0	0	1.6	0.8	0.8	0.8	0.8	1.6	4.8	5.6	5.6
259-281		0	0	1.6	0.8	0.8	0.8	1.6	4.8	7.1	11.9	23
282-303		0	0	0	1.6	0	0.8	0.8	2.4	4.8	5.6	4
304-326		0	0	0	0.8	0	0.8	0	0	0	0	1.6
327-348		0	0	0	0	0	0	0	0	0	0	0



Patiala

April

1000 hPa level

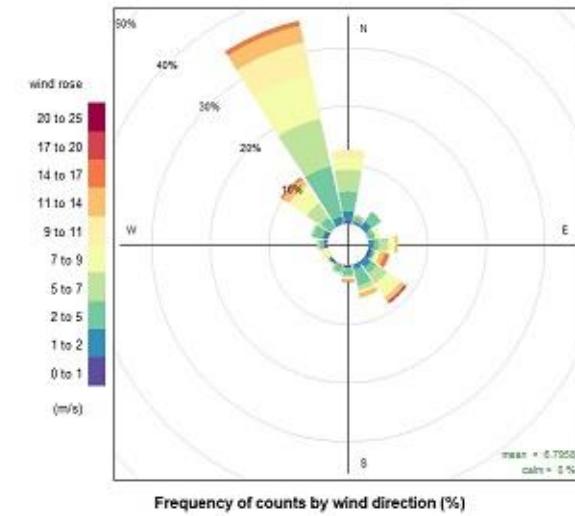
Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11												
12-33												
34-56												
57-78												
79-101												
102-123												
124-146												
147-168												
168-191												
192-213												
214-236												
237-258						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

Patiala

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	1.7	3.3	3.8	2.1	1.3	0	0	0	0	0
12-33	0	0.4	0.8	0	0	0	0.4	0	0	0	0	0
34-56	0	1.3	2.1	0	0	0	0	0	0	0	0	0
57-78	0	0	1.3	0	0.8	0	0	0	0	0	0	0
79-101	0	0.8	0.8	1.7	1.3	0	0.4	0	0	0	0	0
102-123	0.4	0.4	0.4	0	0.8	0	0.8	0.8	0	0	0	0
124-146	0	1.3	1.3	2.1	2.5	0.4	0.8	0	0.4	0	0	0
147-168	0	0.8	2.9	0.8	0.4	0	0.8	0	0	0	0	0
168-191	0.4	0	1.3	0.4	0	0.4	0	0.4	0	0	0	0
192-213	0	0	1.3	0.4	0	0	0	0	0	0	0	0
214-236	0.4	0	0	0.4	0	0	0	0	0	0	0	0
237-258	0	0	0	0	0.4	0.8	0	0	0	0	0	0
259-281	0.4	0	0.8	0.4	0	0	0	0	0	0	0	0
282-303	0.4	0.4	1.7	0.4	0	0	0	0	0	0	0	0
304-326	0	0	2.1	2.9	2.9	0.8	1.3	0.4	0	0	0	0
327-348	0	1.3	8.8	7.9	7.9	5.4	2.9	0.8	0	0	0	0

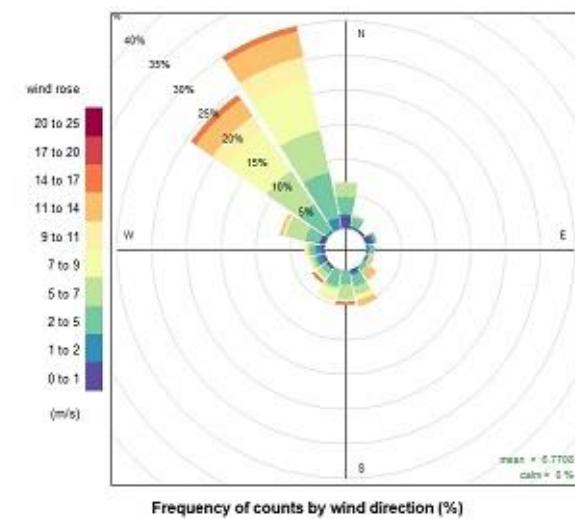


Patiala

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	1.7	0.4	2.5	2.1	0	0	0	0	0	0	0
12-33		0	0.4	1.2	0.4	0	0	0	0	0	0	0
34-56		0.4	0	0	0	0	0	0	0	0	0	0
57-78		0.8	0.4	0.4	0	0	0	0	0	0	0	0
79-101		0	0.4	0.8	0	0	0	0	0	0	0	0
102-123		0	0.4	0	0.4	0	0	0.4	0	0	0	0
124-146		0	0	0.8	0.4	0	0	1.2	0	0	0	0
147-168		0.4	0.4	1.7	1.2	0.4	0.4	0.8	0	0	0	0
168-191		0	0	2.1	2.1	0	0.4	0	0.4	0	0	0
192-213		0	0	2.5	0.4	1.2	0.4	0	0	0	0	0
214-236		0.4	0	0.8	0.8	0.4	0	0	0.4	0	0	0
237-258		0.4	0.8	0.4	0.4	0	0.4	0	0	0	0	0
259-281		0.4	0.8	0.8	0.4	0	0.4	0	0	0	0	0
282-303		0.8	0	2.1	2.9	0	0.4	0.4	0	0	0	0
304-326		0	0.4	4.6	5.8	7.1	2.5	2.9	0.8	0	0	0
327-348		0	1.7	6.7	6.2	7.5	3.3	3.8	0.8	0	0	0

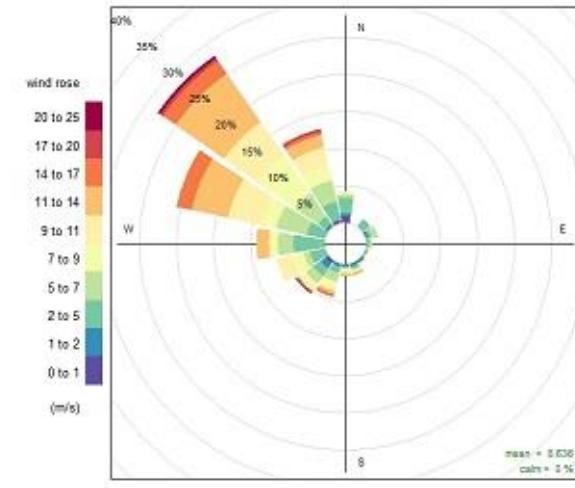


Patiala

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	0.8	0.4	2.1	0.4	0.4	0	0	0	0	0	0
12-33		0	0	0	0	0	0	0	0	0	0	0
34-56		0	0	1.3	0	0	0	0	0	0	0	0
57-78		0	0.4	0.4	0.8	0	0	0	0	0	0	0
79-101		0	0	0.4	0.4	0	0	0	0	0	0	0
102-123		0	0	0.4	0	0	0	0	0	0	0	0
124-146		0	0.4	0	0	0	0.4	0	0	0	0	0
147-168		0	0.4	0.4	0	0	0.4	0.4	0	0	0	0
168-191		0	0.4	0	0.4	0.4	0.4	0	0	0	0	0
192-213		0	0.4	0.8	1.3	0.8	0.4	0.4	0.4	0	0	0
214-236		0.4	0.8	1.3	1.3	0.4	0.8	0	0	0.4	0	0
237-258		0	0	2.1	0.8	1.7	2.1	0	0	0	0	0
259-281		0	0	4.2	2.1	0.8	0.4	1.7	0	0	0	0
282-303		0	0	2.5	4.2	2.1	4.6	5	2.1	0	0	0
304-326		0	0.4	1.3	3.8	6.3	5.4	7.9	2.1	0.4	0.4	0
327-348		0.4	0	2.5	2.9	2.1	2.5	1.7	0.4	0.4	0	0

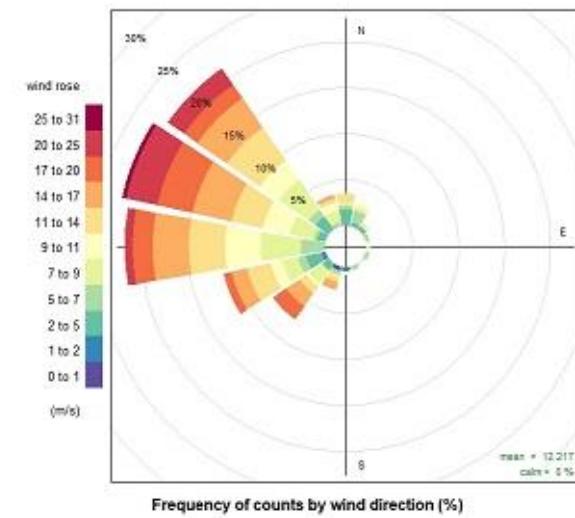


Patiala

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	1.7	0.4	0.4	0	0.9	0	0	0	0
12-33		0	0	0.4	1.3	0.4	0.4	0	0	0	0	0
34-56		0	0	0.4	0	0.4	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	0.4	0	0	0	0	0
102-123		0	0	0	0.4	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	0.4	0	0	0	0	0	0	0
168-191		0	0.4	0	0	0	0.4	0	0	0	0	0
192-213		0.4	0	0	0.4	0.4	0	0.4	0.9	0	0	0
214-236		0	0	0.9	0	1.7	0.4	0.9	1.7	1.7	0	0
237-258		0	0.4	1.3	0.9	1.7	1.3	2.6	1.7	0.9	0	0
259-281		0	0	0	2.6	4.4	3.9	3.9	3.9	2.2	0.9	0
282-303		0	0	0.9	0.4	2.6	3.1	3.5	4.4	3.9	3.5	0.4
304-326		0	0	1.7	0.9	3.9	2.6	4.4	3.9	1.7	2.2	0
327-348		0	0	0	0.4	1.3	0.9	0.4	0.4	0	0	0

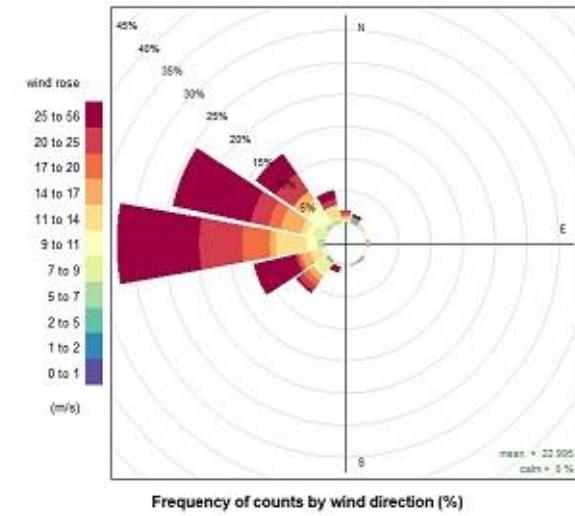


Patiala

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	0.5	0	0	0.5	0.5	0.5	0
12-33		0	0	1	0	0	0	0	0	0	0	0.5
34-56		0	0	0	0	0	0	0.5	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	0.5	0	0	0
102-123		0	0	0	0	0	0	0	0	0	0	0
124-146		0	0	0.5	0	0	0	0	0	0	0	0
147-168		0	0	0	0.5	0	0	0	0	0	0	0
168-191		0	0	0	0	0	0	0	0	0	0	0
192-213		0	0	0	0	0	0.5	0	0	0	0	1
214-236		0	0	0.5	0	1.9	0.5	0	1	1	1	0.5
237-258		0	0	0	0	0.5	1.4	4.8	1	4.3	6.7	12.9
259-281		0	0	0	1	0.5	1.4	4.8	1	4.3	6.7	12.9
282-303		0	0	0	1.9	1	1	3.3	1.9	2.9	12.4	3.8
304-326		0	0	0	0.5	0.5	2.9	1.4	1.4	0	3.3	3.8
327-348		0	0	0	0.5	0.5	0	1.9	0	0	1	1.4

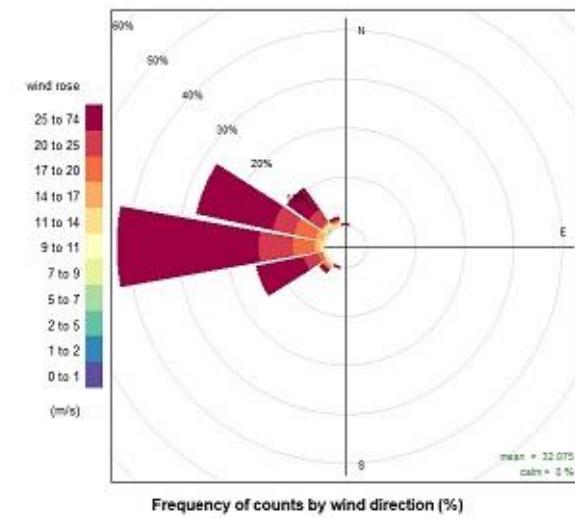


Patiala

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	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	0	0	0	0	0	0	0	0	0
79-101		0	0	0	0	0	0	0	0	0	0	0
102-123		0	0	0	0	0	0	0	0	0	0	0
124-146		0	0	0	0	0	0	0	0	0	0	0
147-168		0	0	0	0	0	0	0	0	0	0	0
168-191		0	0	0	0	0	0	0	0	0	0	0
192-213		0	0	0	0	0	0	0	0	0	0	0.5
214-236		0	0	0	0	0	0.5	0.5	0.5	0	1	
237-258		0	0	0	0	0.5	0	0	1	3	10	
259-281		0	0	0	0.5	0	0.5	1	4.5	7	29	
282-303		0	0	0	0	0	0.5	1.5	4.5	4.5	16	
304-326		0	0	0	0.5	0	0	1	0	0.5	3	5.5
327-348		0	0	0	0	0	0.5	0.5	0	0.5	0.5	0.5

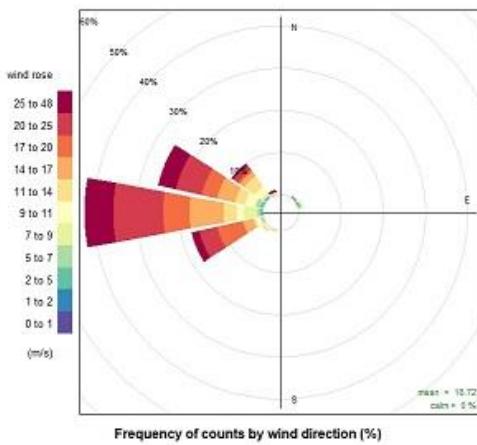


Patiala

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	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	0.6	0	0	0	0	0	0	0	0
57-78		0	0	0.6	0	0	0	0.6	0	0	0	0
79-101		0	0	0	0	0	0	0	0	0	0	0
102-123		0	0	0	0	0	0	0	0	0	0	0
124-146		0	0	0	0	0	0	0	0	0	0	0
147-168		0	0	0	0	0	0	0	0	0	0	0
168-191		0	0	0	0	0	0	0	0	0	0	0
192-213		0	0	0	0	0	0.6	0.6	0	0	0	0
214-236		0	0	0	0	0.6	0.6	0	0	0	0	0
237-258		0	0	0.6	0	1.2	0.6	2.5	6.2	4.3	1.9	
259-281		0	0	0.6	0.6	3.1	1.9	3.1	8.1	6.2	11.8	6.8
282-303		0	0	0.6	1.2	0	2.5	2.5	4.3	3.7	6.2	4.3
304-326		0	0	0.6	0	0.6	1.9	3.1	1.2	0.6	1.2	0.6
327-348		0	0	0	0	0	0.6	0.6	0	0	0	0.6



Patiala

May

1000 hPa level

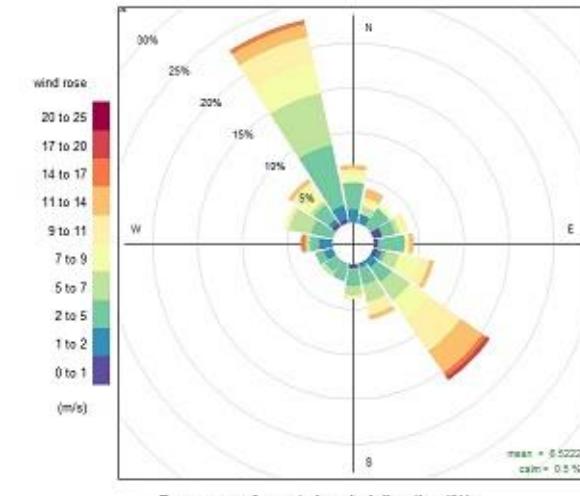
Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11												
12-33												
34-56												
57-78												
79-101												
102-123												
124-146												
147-168												
168-191												
192-213												
214-236												
237-258						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

Patiala

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	0	1.5	3	0	1	0.5	0.5	0	0	0	0
12-33	0	0	1	0	1	0.5	0.5	1	0	0	0	0
34-56	0	0	2.5	0	0.5	0	0	0	0	0	0	0
57-78	1	0	1.5	0.5	0.5	0.5	0	0	0	0	0	0
79-101	0.5	0	3	0	0.5	0	0.5	0	0	0	0	0
102-123	0.5	0.5	0.5	1.5	2.5	1	0.5	0	0	0	0	0
124-146	0	1	2	2.5	2.5	4.5	3	0.5	0.5	0	0	0
147-168	0	0.5	2	2	0	1.5	0.5	0	0	0	0	0
168-191	0.5	0	2	1	0	0.5	0	0	0	0	0	0
192-213	0	0	2	0	0	0	0	0	0	0	0	0
214-236	0	0	1.5	0.5	0	0	0	0	0	0	0	0
237-258	0	1	1	0	0	0	0	0	0	0	0	0
259-281	0	1.5	1	0.5	0	0	0	0.5	0	0	0	0
282-303	0	0	2.5	2.5	0	0.5	0	0	0	0	0	0
304-326	0.5	0.5	2	0.5	2	0.5	0.5	0	0	0	0	0
327-348	0.5	1.5	6.9	5.9	3.5	2.5	1.5	0.5	0	0	0	0

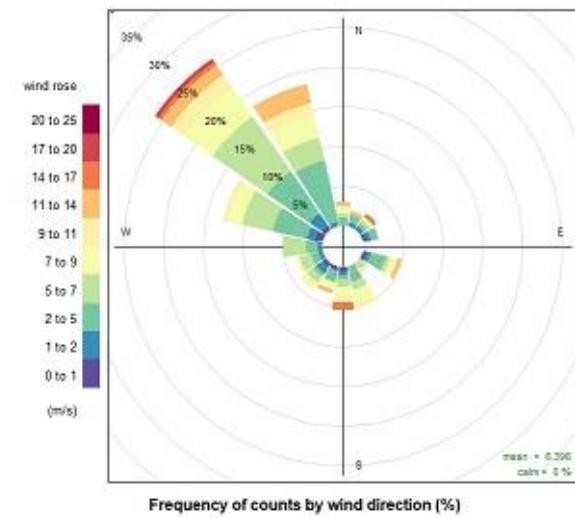


Patiala

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	0	1	0.5	0.5	0.5	0.5	0	0	0	0
12-33		0	0.5	1	0	0	0	0.5	0	0	0	0
34-56		0	0.5	0.5	0.5	0	0.5	0	0.5	0	0	0
57-78		0.5	0.5	1	0	0	0	0	0	0	0	0
79-101		0	0	0	0	0	0	0	0	0	0	0
102-123		0.5	0.5	2	0.5	1	0	0.5	0	0	0	0
124-146		0	0	0	1	0	0.5	0	0	0	0	0
147-168		0	0	2	1	2	0.5	0	0	0	0	0
168-191		0.5	0.5	0.5	1	1	1	0	1	0	0	0
192-213		0.5	0	1.5	0	1	0	0.5	0	0	0	0
214-236		0.5	1	0.5	1	1	0	0	0	0	0	0
237-258		0	0.5	1	1.5	0.5	0	0	0	0	0	0
259-281		0	0.5	1.5	3	0	0	0	0	0	0	0
282-303		1	1	4.5	4	2	0.5	0	0	0	0	0
304-326		0.5	2	6.5	8.5	4.5	2	1.5	0.5	0.5	0	0
327-348		0	0.5	8	3	2.5	1.5	2.5	0	0	0	0

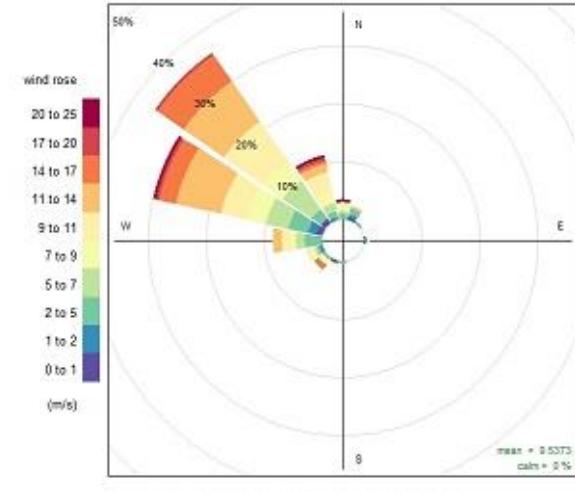


Patiala

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	0	0	1	0.5	0.5	1	0	0	0	0.5	0
12-33		0.5	0.5	1	0	0	0	0.5	0	0	0	0
34-56		0	0	0.5	0	0	0	0	0	0	0	0
57-78		0	0	0	0	0	0	0	0	0	0	0
79-101		0	0.5	0	0	0.5	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	0.5	0	0	0	0	0	0	0	0
192-213		0.5	0	0	0.5	0	0	0	0	0	0	0
214-236		0	0	0.5	0	1	0	0	1	0	0	0
237-258		0	0.5	0.5	0.5	1	0	0	0	0	0	0
259-281		0	0	3	1.5	1	1.5	1.5	0	0	0	0
282-303		1	1.5	3.5	4	3.5	4.5	8	3	0.5	0.5	0
304-326		1	0	2	6	4	8	8.5	5.5	0.5	0	0
327-348		0	0.5	1	1.5	2	3.5	1.5	0.5	0.5	0.5	0

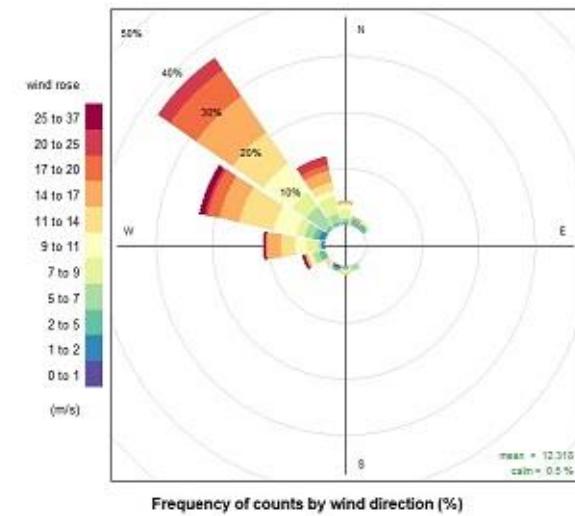


Patiala

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	0	0.5	0.5	1.6	1	0	0.5	0	0	0
12-33		0	0	1	0	0	0	0	0.5	0	0	0
34-56		0	0	1	0	0.5	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	1	0	0	0	0	0	0	0
168-191		0	0	0.5	0	0.5	0	0.5	0	0	0	0
192-213		0.5	0	0.5	0	0	0	0	0	0	0	0
214-236		0	0	0	0.5	0	0.5	0	0	0	0	0
237-258		0	0	1	1	0.5	0.5	0	0.5	0	0	0.5
259-281		0	0.5	0	0.5	2.1	2.1	2.6	2.6	0	0	0.5
282-303		0	1	1	1.6	1.6	4.2	5.8	3.7	2.1	0.5	1
304-326		0	0	0.5	4.2	3.1	6.3	6.8	7.9	5.8	2.6	0
327-348		0	0	0.5	1.6	3.1	1	1.6	2.1	1	1.6	0

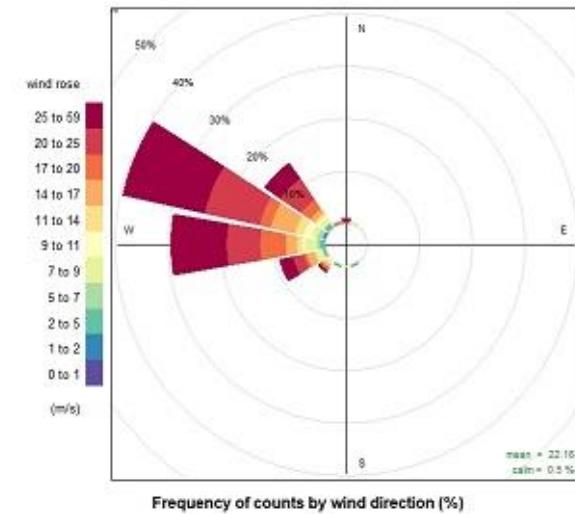


Patiala

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	0	0	0	0	0	0	0	0	0.5	0.5
12-33		0	0	0	0	0.5	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	0.5	0	0	0	0	0	0	0	0
168-191		0	0	0	0.5	0	0	0	0	0	0	0
192-213		0	0	0.5	0	0	0	0	0	0	0	0
214-236		0	0	0	0	0.5	0.5	0.5	0.5	0	0	0.5
237-258		0	0	0.5	0	1.6	0	0	1.6	0.5	2.2	2.2
259-281		0	0	1.1	0.5	2.2	0.5	1.1	2.2	4.8	6.5	10.8
282-303		0.5	0	1.1	1.1	1.6	1.6	1.6	4.8	2.2	10.8	16.1
304-326		0	0	1.1	0	1.1	0.5	0.5	1.1	2.2	4.8	3.8
327-348		0	0	0	0	0	0	0	0	0.5	0	0

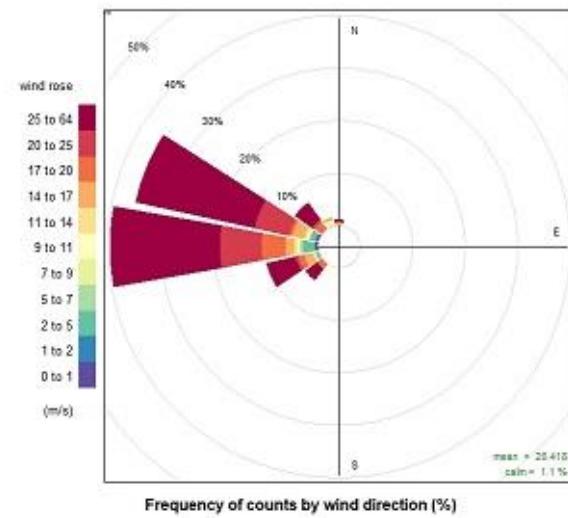


Patiala

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	1	0	0	0	0	0	0	0	0.6	0	0	0.6
12-33		0	0	0	0	0	0	0	0	0	0	0
34-56		0	0	0	0	0	0	0	0	0	0	0
57-78		0	0	0	0	0	0	0	0	0	0	0
79-101		0	0	0	0	0	0	0	0	0	0	0
102-123		0	0	0	0	0	0	0	0	0	0	0
124-146		0	0	0	0	0	0	0	0	0	0	0
147-168		0	0	0	0	0	0	0	0	0	0	0
168-191		0	0	0	0	0	0	0	0	0	0	0
192-213		0	0	0	0	0.6	0	0	0	0	0	0
214-236		0	0	0	0	0	0	0	1.1	0	2.8	
237-258		0	0	0.6	0	0.6	0	0	1.7	1.1	0.6	5.6
259-281		0.6	0	2.3	0.6	0	0.6	0.6	1.7	4.5	7.9	20.9
282-303		0.6	0	1.1	0	0	0.6	0.6	2.3	0.6	6.8	23.2
304-326		0	0	0	0	0	0	0	0	1.7	0.6	4
327-348		0	0	0	0	0.6	0.6	0	0.6	0	0	0

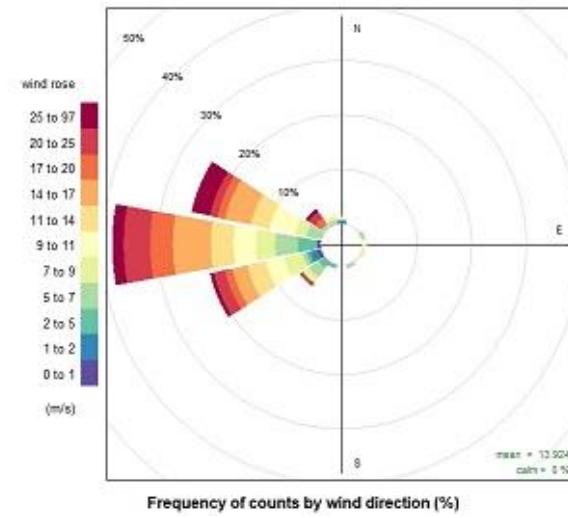


Patiala

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	0.7	0	0	0	0.7	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	0.7	0	0	0	0	0	0	0
79-101		0	0	0	0	0	0.7	0	0	0	0	0
102-123		0	0	0	0.7	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	0.7	0	0	0	0	0	0	0
168-191		0	0	0	0	0	0	0	0	0	0	0
192-213		0	0	0.7	0	0	0	0	0	0	0	0
214-236		0	0	1.4	2.1	1.4	0	0	0	0	0.7	0
237-258		0.7	1.4	0.7	0.7	3.5	3.5	3.5	2.8	1.4	2.1	0.7
259-281		0.7	0	3.5	4.2	3.5	4.2	4.2	7	4.2	4.9	2.1
282-303		0	0	0	2.1	2.1	4.9	3.5	4.9	1.4	1.4	3.5
304-326		0	0	0	0.7	0	0	0	0	1.4	1.4	0.7
327-348		0	0	0	0.7	0.7	0.7	0	0	0	0	0



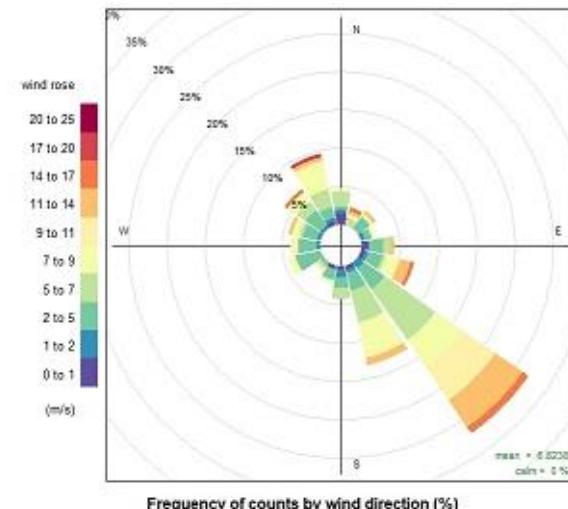
Patiala

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												

Patiala June 925 hPa level

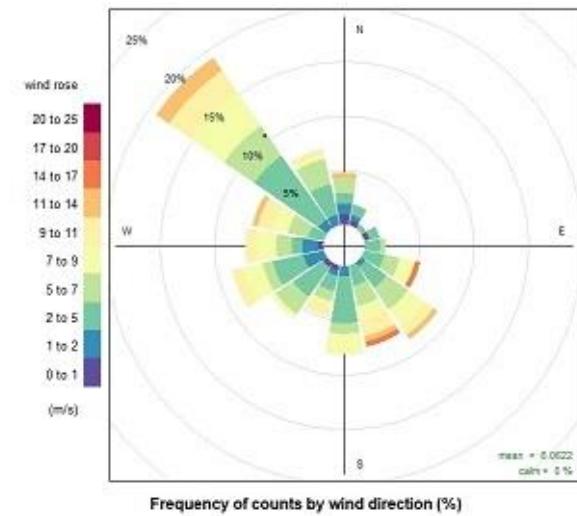
Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11		1.4	0.5	0.5	1.9	0.5	0	0	0	0	0	0
12-33		0	0	0	1	0.5	0	0.5	0.5	0	0	0
34-56		0	0	1.4	0	0.5	0	0.5	0	0	0	0
57-78		0	0.5	1	0	0.5	0	0	0	0	0	0
79-101		1	0	1.9	1	0	0	0.5	0	0	0	0
102-123		0.5	0.5	1.9	0.5	1.4	0.5	1.4	0.5	0	0	0
124-146		0	1	3.3	8.1	4.3	5.3	4.3	1	0	0	0
147-168		0.5	0.5	2.4	4.3	4.3	0.5	1	0	0	0	0
168-191		0.5	1	1.4	1.4	0	0	0	0	0	0	0
192-213		0.5	0	1.4	0	0.5	0	0	0	0	0	0
214-236		0	0	0.5	0.5	0	0.5	0	0	0	0	0
237-258		0	0	3.3	0	1	0	0	0	0	0	0
259-281		0	0.5	2.4	0	0.5	0.5	0	0	0	0	0
282-303		0	0.5	1.9	0.5	1	0	0.5	0	0	0	0
304-326		0	0.5	2.4	1.4	1.4	0	0	0.5	0	0	0
327-348		0.5	0.5	1.4	2.4	3.3	0.5	0.5	0	0.5	0	0



Patiala

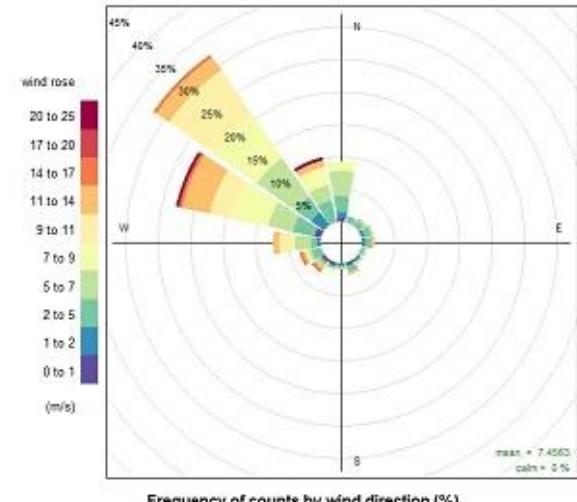
June 850 hPa level

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		1	1	1	1.4	0	0	0.5	0	0	0	0
12-33	0	0.5	0.5	1	0	0	0	0	0	0	0	0
34-56		0	0	0.5	0	0	0	0	0	0	0	0
57-78		0.5	0	1	0	0	0	0	0	0	0	0
79-101		0	0	1.4	0.5	0	0	0	0	0	0	0
102-123	0	0	1.9	1.4	1.4	0	0	0.5	0	0	0	0
124-146		0	0.5	2.4	2.4	1.9	1	0.5	0	0	0	0
147-168		0	0	1.9	1.9	1.4	1.4	0.5	0.5	0	0	0
168-191		0	1	4.3	1	1.9	0	0	0	0	0	0
192-213		0.5	0.5	1.4	1	0.5	1	0	0	0	0	0
214-236		0.5	0	3.4	1.9	0.5	0	0	0	0	0	0
237-258	0	0	1.9	2.9	1	1.9	1	0	0	0	0	0
259-281		0.5	1.4	1	1.4	1.9	1	0	0	0	0	0
282-303		0	0	1.4	1.9	1.4	1.4	0.5	0	0	0	0
304-326		0	1	6.7	3.4	3.8	2.4	1.4	0	0	0	0
327-348		0	1	2.9	2.4	0.5	0.5	0	0	0	0	0



Patiala 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		0.5	1	2.4	3.9	1.5	0	0	0	0	0	0
12-33	0	0	1	0	0	0	0	0	0	0	0	0
34-56		0	0	1	0.5	0	0	0	0	0	0	0
57-78		0	0.5	1	0.5	0	0	0	0	0	0	0
79-101		0	0.5	1	0	0	0	0.5	0	0	0	0
102-123	0	0	0.5	0.5	0	0	0	0	0	0	0	0
124-146		0	0.5	0	0.5	0	0	0	0	0	0	0
147-168		0.5	0	1	0	0	0	0.5	0	0	0	0
168-191		0	0.5	0	0.5	0	0	0	0	0	0	0
192-213		0.5	0	0.5	0	0.5	0	0	0	0	0	0
214-236		0.5	0	0.5	0.5	0	0	0.5	0.5	0	0	0
237-258	0	0	1.5	0.5	0.5	0	0.5	0.5	0.5	0	0	0
259-281		0	0.5	1	2.4	0.5	2	1	0	0	0	0
282-303		1	0	3.4	3.9	5.9	2.9	4.4	0.5	0	0.5	0
304-326		0	2.4	2.9	7.3	8.3	8.3	2.4	0.5	0	0	0
327-348		0	0	3.4	2.4	2.4	0.5	1	0	0	0.5	0

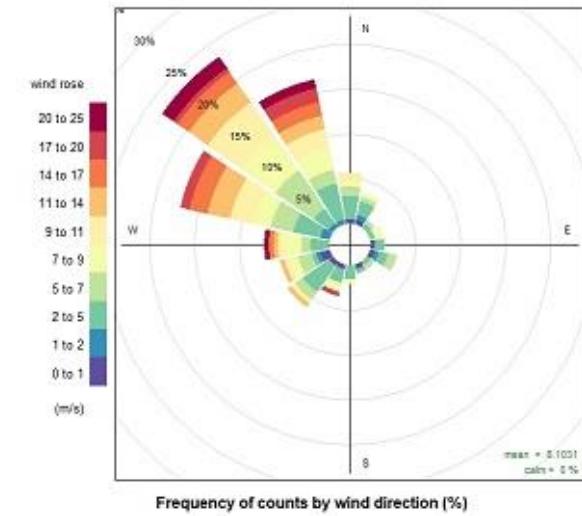


Patiala

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		0.5	0	2.6	1	0.5	1	0	0	0	0	0
12-33		0.5	0.5	1.6	0.5	0.5	0	0	0	0	0	0
34-56		0	0	0.5	0.5	0	0	0	0	0	0	0
57-78		0	0	0.5	0	1	0	0	0	0	0	0
79-101		0.5	0	1	0	0	0	0	0	0	0	0
102-123		0.5	0.5	1	1	0	0	0	0	0	0	0
124-146		0	0	0.5	0.5	0	0	0	0	0	0	0
147-168		0.5	0	0.5	0	0	0	0	0	0	0	0
168-191		0	0	1.6	0	0.5	0	0	0	0	0	0
192-213		0.5	0	1.6	0	1	0	0	0	0.5	0	0
214-236		0.5	0	3.6	1	0	0.5	0.5	0	0	0	0
237-258		1	0.5	0.5	1.6	1	0.5	0.5	0	0	0	0
259-281		0	0	2.1	1	2.1	0.5	0.5	0.5	0	0.5	0
282-303		0	1	3.1	2.6	2.1	2.6	2.6	2.1	1	0	0
304-326		0	0.5	2.1	5.2	4.7	4.1	2.6	1.6	0.5	1.6	0
327-348		0	0.5	4.1	1.6	2.6	2.1	1.6	1.6	1.6	1	0

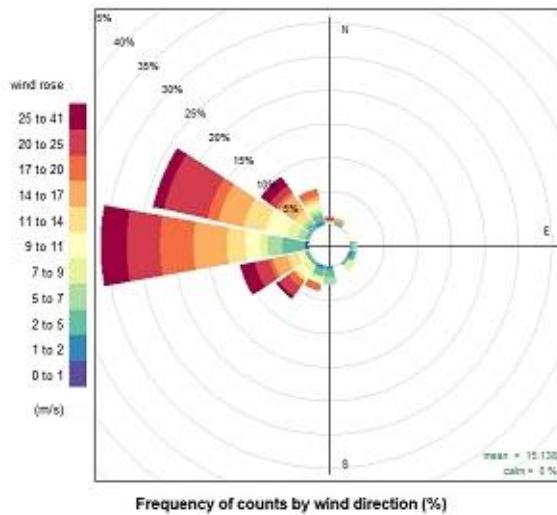


Patiala

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	0	0.6	0	0	0	0	0.6	0
12-33		0	0	0.6	0	0	0	0	0.6	0	0	0
34-56		0	0	0	0	0	0	0	0	0	0	0
57-78		0	0	0	0	0	0.6	0	0	0	0	0
79-101		0	0	0.6	0.6	0	0	0	0	0	0	0
102-123		0	0.6	0.6	0	0	0	0	0	0	0	0
124-146		0	0	0.6	0	1.1	0	0	0	0	0	0
147-168		0	0	0	0	0	0	0	0	0	0	0
168-191		0	0.6	1.1	1.1	0	0	0	0	0	0	0
192-213		0	0.6	1.1	0	0.6	0.6	0	0	1.1	0	0
214-236		0	0	0.6	0	1.1	1.1	0.6	0	1.1	1.7	0.6
237-258		0.6	0	3.3	2.2	1.1	2.2	2.8	5	4.4	5	3.9
259-281		0	0	0.6	1.1	1.7	3.3	3.3	3.9	1.7	6.7	1.7
282-303		0	0	1.1	0.6	0	0	1.7	2.8	0.6	1.1	1.7
304-326		0	0.6	1.1	0.6	0.6	0.6	0.6	0.6	1.1	0	0
327-348		0	0.6	1.1	0.6	0.6	0.6	0.6	0.6	1.1	0	0

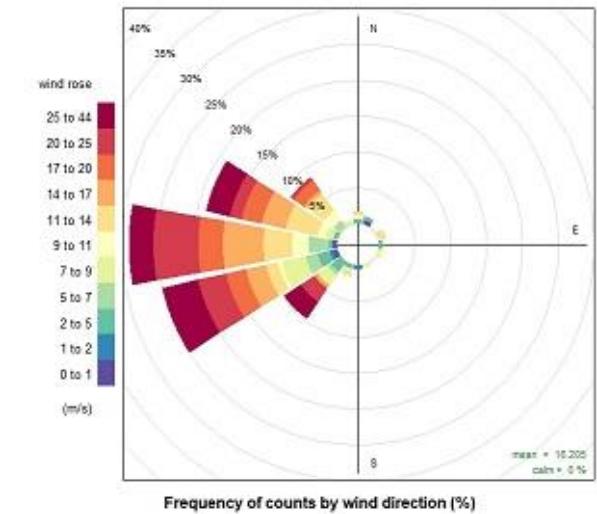


Patiala

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	0.6	0	0	0.6	0.6	0	0	0	0
12-33		0.6	0	0.6	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	1.1	0	0	0	0
79-101		0	0	0.6	0	0	0	0	0	0	0	0
102-123		0	0	0	0	0.6	0.6	0	0	0	0	0
124-146		0	0	0	0	0	0	0	0	0	0	0
147-168		0	0	0	0	0.6	0	0	0	0	0	0
168-191		0	0.6	0	0	0	0	0	0	0	0	0
192-213		0	0	0.6	0	0.6	0	0.6	0	0	0	0
214-236		0	0	1.7	0.6	1.7	0	0	0.6	0	2.3	2.9
237-258		0.6	0.6	1.7	1.7	3.4	0.6	1.7	2.9	2.9	4	5.1
259-281		0.6	0	0.6	2.9	0	2.3	4	5.7	3.4	6.3	2.9
282-303		0	0	0.6	0	1.1	1.1	4.6	3.4	2.9	1.7	3.4
304-326		0	0	0	1.1	0	1.7	2.9	0.6	1.7	0.6	0
327-348		0	0	0	0	0.6	0	0	0	0	0	0

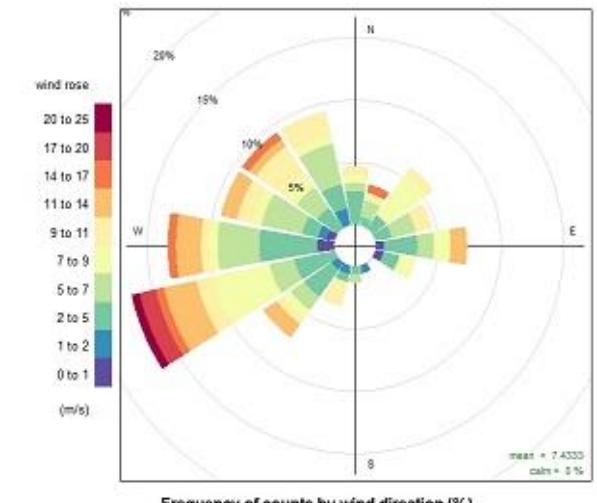


Patiala

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	2.7	0.7	0.7	0.7	0	0	0	0	0
12-33		0	0	0.7	1.3	0	0.7	0	0.7	0	0	0
34-56		0	0	1.3	0	4	0.7	0	0	0	0	0
57-78		0	0	1.3	2	0	1.3	0	0	0	0	0
79-101		0.7	0	2.7	1.3	1.3	0	1.3	0	0	0	0
102-123		0.7	0	1.3	0	1.3	0	0	0	0	0	0
124-146		0	0	0	0	0	0	0	0	0	0	0
147-168		0	0.7	0	0	0	0	0	0	0	0	0
168-191		0	0	0.7	0.7	0	0	0	0	0	0	0
192-213		0	0.7	0.7	0	0	2	0	0	0	0	0
214-236		0	0.7	2.7	1.3	0.7	0.7	1.3	0	0	0	0
237-258		0.7	0	3.3	2	4.7	1.3	2.7	0.7	1.3	0.7	0
259-281		1.3	0	4.7	3.3	0.7	0.7	2	0.7	0	0	0
282-303		0.7	0.7	1.3	3.3	0.7	1.3	1.3	0	0	0	0
304-326		0	0	2	2	1.3	2.7	0.7	0.7	0	0	0
327-348		0	1.3	2	3.3	0.7	2	0	0	0	0	0



Patiala

July

1000 hPa level

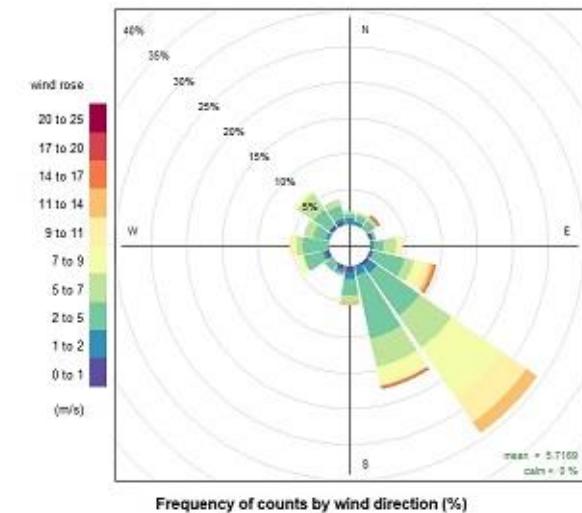
Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11												
12-33												
34-56												
57-78												
79-101												
102-123												
124-146												
147-168												
168-191												
192-213												
214-236												
237-258						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

Patiala

July

925 hPa level

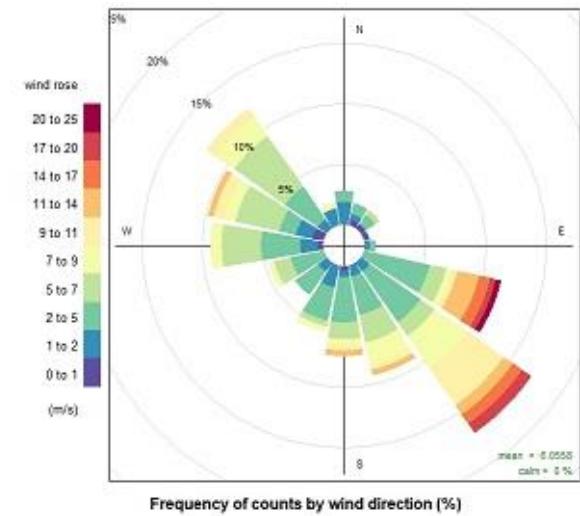
Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11		0	0.9	0	0.5	0	0	0	0	0	0	0
12-33		0	0.5	0.9	0.5	0	0	0	0	0	0	0
34-56		0	0	1.4	0.5	0	0	0	0.5	0	0	0
57-78		0.5	0	0.5	0	0	0	0	0	0	0	0
79-101		0	0.5	1.4	1.8	0.5	0.5	0	0	0	0	0
102-123		0.5	0	4.6	1.4	1.4	0.9	0.5	0.5	0	0	0
124-146		0.5	1.4	7.3	5.5	8.7	4.1	1.8	0	0	0	0
147-168		0	1.4	8.7	4.1	2.3	0.5	0	0.5	0	0	0
168-191		0.9	0.9	2.8	0.9	0	0	0.5	0	0	0	0
192-213		0.5	0.5	0.5	0	0	0	0	0	0	0	0
214-236		0	0	1.4	0	0	0	0	0	0	0	0
237-258		0.5	0.5	2.8	0	0.9	0	0	0	0	0	0
259-281		0	0	3.7	0.9	0.5	0.5	0	0	0	0	0
282-303		0	0.5	1.8	1.4	0	0	0	0	0	0	0
304-326		0.5	0	2.8	2.8	0.5	0	0	0	0	0	0
327-348		0.5	0.5	1.8	0.9	0	0	0	0	0	0	0



Patiala

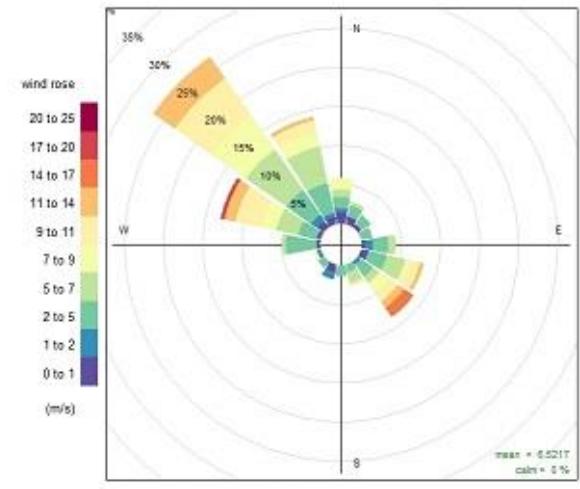
July 850 hPa level

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	1.9	0.9	0	0	0	0	0	0	0	0
12-33		0.5	0.5	0.5	0	0	0	0	0	0	0	0
34-56		0.5	0	0.9	0.5	0	0	0	0	0	0	0
57-78		0.5	0	0	0	0	0	0	0	0	0	0
79-101		0	0.5	0.5	0	0	0	0	0	0	0	0
102-123		0	0	5.6	1.4	0.5	0.5	1.9	0.9	0.5	0.5	0
124-146		0	0.9	5.1	1.4	3.3	3.7	0.9	0.9	0.9	0	0
147-168		0	0.9	3.3	2.3	1.9	0.5	0.5	0	0	0	0
168-191		0.5	0.5	3.7	1.4	0.5	0.5	0.5	0	0	0	0
192-213		0	1.9	2.8	0.5	0.5	0	0	0	0	0	0
214-236		0	0.9	2.3	0	0	0	0	0	0	0	0
237-258		0	0	2.8	1.4	0.5	0	0	0	0	0	0
259-281		0.5	1.4	3.3	3.3	0.9	0	0	0	0	0	0
282-303		0.9	1.4	1.4	3.7	0.9	0.9	0.5	0	0	0	0
304-326		0	0.9	3.3	5.1	1.9	0.9	0	0	0	0	0
327-348		0	1.4	0	0	0.5	0	0	0	0	0	0



Patiala July 700 hPa level

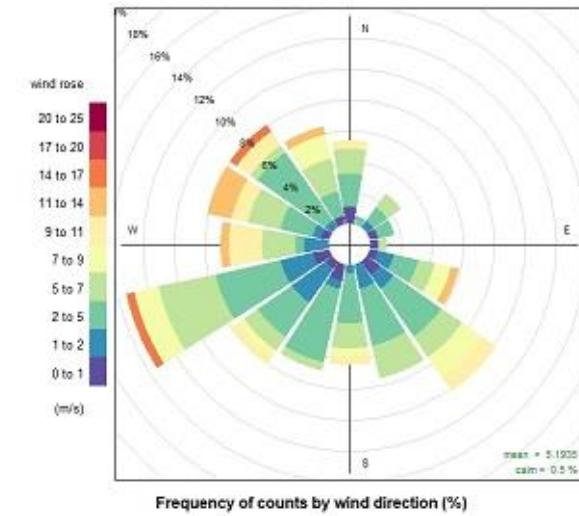
Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	0	1.5	0.5	1.5	1	1.5	0	0	0	0	0	0
12-33		1	0	1.5	0.5	0	0	0	0	0	0	0
34-56		0.5	0	1.5	0	0	0	0	0	0	0	0
57-78		0	0	1.5	0	0	0	0	0	0	0	0
79-101		0.5	1	1.9	1	0	0	0	0	0	0	0
102-123		1	0	2.4	2.4	0.5	1.5	0.5	0	0	0	0
124-146		0	0.5	1.9	1	1.5	1.5	1	1.5	0	0	0
147-168		0	0	1	1.5	0	0.5	0	0	0	0	0
168-191		0	0	1.5	0	0	0	0	0	0	0	0
192-213		1	1	0	0	0	0	0	0	0	0	0
214-236		0	0	1	0	0	0	0	0	0	0	0
237-258		0	0.5	0	0	0.5	0	0	0	0	0	0
259-281		0.5	0	3.9	0.5	0	0	0	0	0	0	0
282-303		0.5	0	2.4	2.4	1.9	3.4	1.5	0	0.5	0	0
304-326		1	1	3.9	6.3	5.3	5.8	3.4	0	0	0	0
327-348		1	0.5	3.9	4.9	1.9	1.5	0.5	0	0	0	0



Patiala

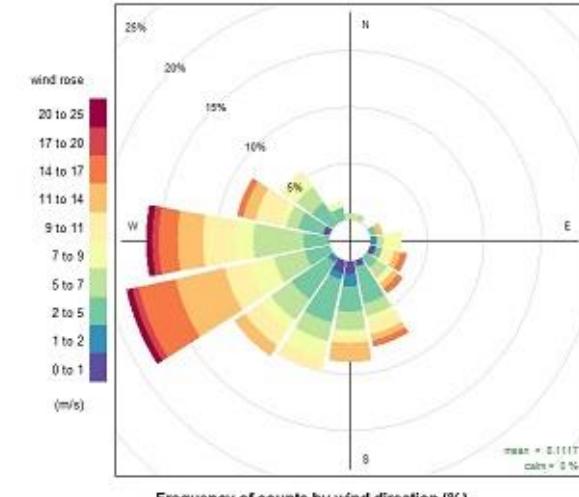
July 500 hPa level

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	1	1.1	0	2.2	1.6	0	0.5	0	0	0	0	0
12-33		0	0	0.5	0	0	0	0	0	0	0	0
34-56		0	0.5	1.1	1.1	0	0	0	0	0	0	0
57-78		0.5	0	1.1	0	0	0	0	0	0	0	0
79-101		0.5	0	0	0.5	0	0	0	0	0	0	0
102-123		0.5	1.1	1.6	1.1	1.1	0	0.5	0	0	0	0
124-146		1.1	1.1	3.8	1.6	1.6	1.1	0	0	0	0	0
147-168		0	1.6	3.8	1.6	0	0	0	0	0	0	0
168-191		0	0.5	3.2	2.2	0.5	0.5	0	0	0	0	0
192-213		1.1	0.5	4.8	0.5	0	0	0	0	0	0	0
214-236		0.5	2.7	2.7	1.1	0.5	0.5	0	0	0	0	0
237-258		1.1	2.2	4.3	3.8	1.6	0	0	0.5	0	0	0
259-281		0	1.6	0.5	2.2	0	2.2	0.5	0	0	0	0
282-303		0.5	0.5	2.2	2.2	0	1.1	1.6	0	0	0	0
304-326		0	0.5	5.4	0.5	0	1.1	0	0.5	0	0	0
327-348		0.5	0	1.6	2.2	1.6	0	0.5	0	0	0	0



Patiala July 300 hPa level

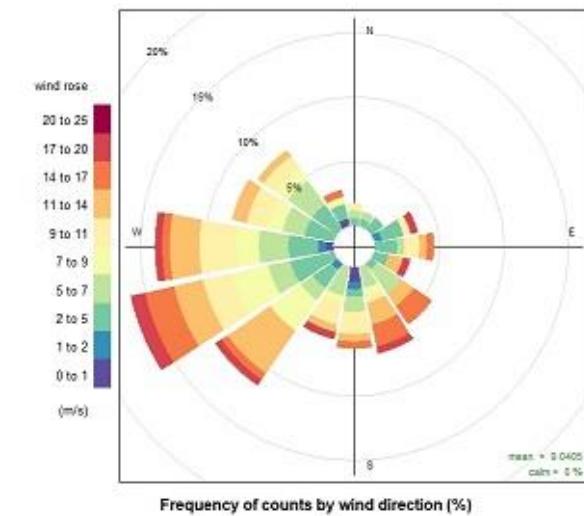
Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	0	0	0	0	0.6	0	0	0	0	0	0	0
12-33		0	0	0	0.6	0	0	0	0	0	0	0
34-56		0	0	0	0	0	0	0	0	0	0	0
57-78		0	0	0.6	0	0	0	0.6	0	0	0	0
79-101		0	0.6	0	0.6	1.7	0	0	0	0	0	0
102-123		0.6	0	0.6	0	0	1.1	0.6	0.6	0	0	0
124-146		0	0	1.1	1.1	0.6	0	0.6	0.6	0	0	0
147-168		0.6	0	2.8	0.6	0.6	1.1	0.6	0.6	0	0	0
168-191		1.1	1.1	2.8	2.2	0.6	0.6	1.7	0	0	0	0
192-213		1.1	0.6	3.9	1.7	1.7	1.1	0	0	0	0	0
214-236		0	0.6	3.9	2.2	1.1	1.7	1.1	0	0	0	0
237-258		0	0	2.2	2.8	2.2	2.2	4.5	3.4	0.6	0.6	0
259-281		0	0	2.2	4.5	1.7	2.8	2.2	1.7	0.6	0.6	0
282-303		0.6	0	2.2	1.1	0.6	2.2	1.1	0.6	0	0	0
304-326		0	0	2.2	1.7	1.1	0.6	0	0	0	0	0
327-348		0	0	1.1	0	0.6	0	0	0	0	0	0



Patiala

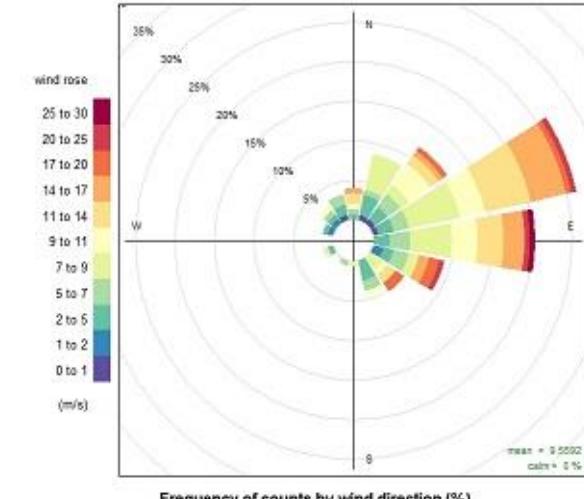
July 200 hPa level

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	0.6	0.6	0	0.6	0	0	0	0	0
12-33		0	0	0.6	0.6	0	0	0	0	0	0	0
34-56		0	0	1.2	0	0	0	0	0	0	0	0
57-78		0	0.6	1.7	0	0	0.6	0	0	0.6	0	0
79-101		0	0	1.7	0.6	0	1.2	0.6	0.6	0	0	0
102-123		0	0	1.2	0	0	0	1.2	0	0.6	0	0
124-146		0	0	0.6	2.3	0	0	1.2	1.7	0	0	0
147-168		0	0	0	1.7	0.6	0.6	1.7	1.2	0.6	0	0
168-191		1.2	0.6	0.6	1.2	0	1.7	0.6	1.2	0	0	0
192-213		0	0	0	2.3	0.6	1.7	0.6	0	0.6	0	0
214-236		0	0.6	1.7	1.2	2.9	0	4	0.6	0.6	0	0
237-258		0	0	3.5	1.7	2.9	2.3	2.3	2.3	1.2	0	0
259-281		0.6	0.6	2.3	2.3	1.7	2.9	2.3	0.6	0.6	0	0
282-303		0	0	2.3	1.7	1.2	1.7	1.2	0	0	0	0
304-326		0	0	2.3	2.3	1.2	1.2	0.6	0	0	0	0
327-348		0.6	0	1.2	0	0.6	0	0	0.6	0	0	0



Patiala 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	0.7	0.7	0	0.7	1.3	0.7	0	0	0
12-33		0.7	0	2.6	0.7	4.6	0	0	0	0	0	0
34-56		0.7	0	2	2	1.3	3.3	1.3	0.7	0.7	0	0
57-78		0.7	0	2	2	6.6	3.3	5.9	4.6	0.7	0.7	0
79-101		0	0	2	2.6	5.3	3.3	3.3	2.6	0	0.7	0.7
102-123		0	1.3	1.3	2	1.3	0	0	1.3	1.3	0.7	0
124-146		0	0	0	2	0.7	1.3	0	1.3	0	0	0
147-168		0	0	2.6	1.3	0	0.7	0	0	0	0	0
168-191		0	0	0	0.7	0	0	0	0	0	0	0
192-213		0	0	0	0.7	0	0	0	0	0	0	0
214-236		0	0	0	0	0	0	0	0	0	0	0
237-258		0	0	0.7	0	0.7	0	0	0	0	0	0
259-281		0	0	0	0	0	0	0	0	0	0	0
282-303		0.7	0.7	0	0	0	0	0	0	0	0	0
304-326		0	0.7	0.7	0	0.7	0	0	0	0	0	0
327-348		0.7	0	1.3	1.3	0	0	0	0	0	0	0



Patiala

August

1000 hPa level

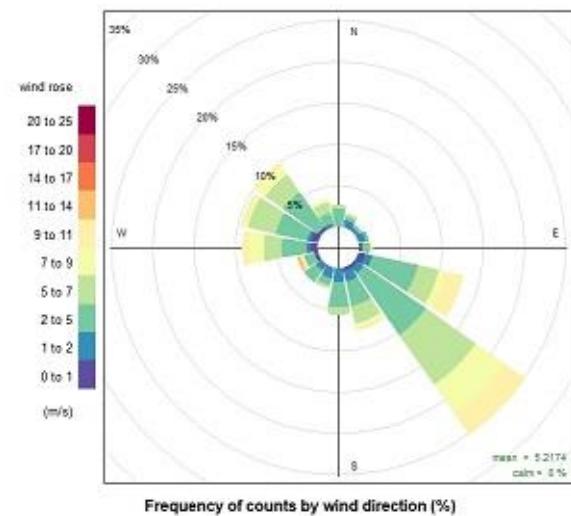
Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11												
12-33												
34-56												
57-78												
79-101												
102-123												
124-146												
147-168												
168-191												
192-213												
214-236												
237-258						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

Patiala

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	2.2	0.4	0	0	0	0	0	0	0
12-33		0	0.9	0.4	0.4	0	0	0	0	0	0	0
34-56		0	0.4	0.4	0	0	0	0	0	0	0	0
57-78		0	0.9	0.4	0	0	0	0	0	0	0	0
79-101		0.4	0	0.9	0	0.4	0	0	0	0	0	0
102-123		0.9	0.9	5.7	2.6	0.9	2.2	0	0	0	0	0
124-146		0.4	0.9	9.2	7.4	4.4	3.1	0	0	0	0	0
147-168		0.4	1.3	2.6	2.2	0.4	0.4	0	0	0	0	0
168-191		0	1.7	3.1	0.9	0	0	0	0	0	0	0
192-213		0	1.3	0.9	0.4	0	0	0	0	0	0	0
214-236		0	0.9	1.7	0	0	0	0	0	0	0	0
237-258		0.4	0	1.3	0	0	0.4	0.4	0	0	0	0
259-281		0.9	0.4	3.1	2.2	1.7	0.9	0	0	0	0	0
282-303		0.9	0.4	3.9	3.5	0.4	0.4	0	0	0	0	0
304-326		0.4	0	5.2	2.6	1.3	0.4	0	0	0	0	0
327-348		0	0.4	1.3	1.3	0.4	0	0	0	0	0	0

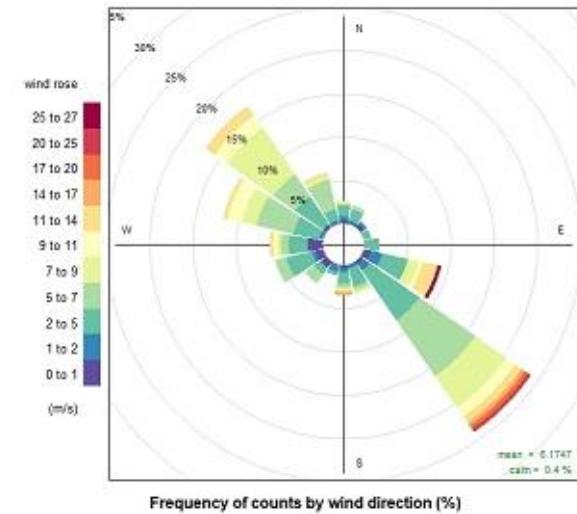


Patiala

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	0.4	0.4	1.3	0	0.4	0	0	0	0	0	0
12-33		0	0.4	1.3	0.4	0	0	0	0	0	0	0
34-56		0.4	0.4	0	0	0	0	0	0	0	0	0
57-78		0	0	0.9	0	0	0	0	0	0	0	0
79-101		0	0	1.8	0	0	0	0	0	0	0	0
102-123		0.9	1.3	3.1	0	1.3	0.4	1.8	0	0	0	0.4
124-146		0.4	0.9	7	7.9	4.4	1.3	0.9	0.4	0.4	0.4	0
147-168		0	0.4	2.2	0.4	0.4	0	0	0	0	0	0
168-191		0.4	0.4	1.3	0.4	0.4	0	0	0.4	0	0	0
192-213		0	0.9	0.4	0	0	0	0	0	0	0	0
214-236		0.9	0	0.9	1.3	0	0	0	0	0	0	0
237-258		0.9	0.4	3.1	1.3	0	0	0	0	0	0	0
259-281		1.8	0	2.2	0.9	0.4	0.4	0.4	0	0	0	0
282-303		0	0.4	3.1	4.4	1.8	1.8	0.4	0	0	0	0
304-326		0.4	0	3.9	3.1	6.6	1.8	1.3	0	0	0	0
327-348		0	0.4	1.3	3.1	0.4	0	0.4	0	0	0	0

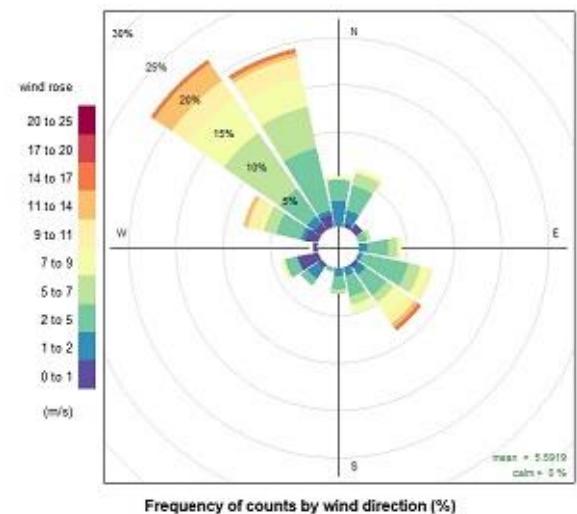


Patiala

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	2.7	2.3	0	0.5	0	0	0	0	0	0
12-33		0.5	1.4	2.7	1.4	0.5	0	0	0	0	0	0
34-56		0.9	0	0	0	0	0	0	0	0	0	0
57-78		0	0	0.9	0.5	0	0	0	0	0	0	0
79-101		0	0.9	2.3	0.9	0.5	0	0	0	0	0	0
102-123		0	0.5	5	1.4	0.9	0.5	0	0	0	0	0
124-146		0.5	0.9	2.7	0.9	1.8	0.9	0.5	0.5	0	0	0
147-168		0	0.9	2.3	0.9	0.9	0	0	0	0	0	0
168-191		0	0.9	1.4	0.5	0	0	0	0	0	0	0
192-213		0	0	0.5	0	0	0	0	0	0	0	0
214-236		0.5	1.4	0.9	0	0	0	0	0	0	0	0
237-258		2.3	0	1.4	0	0.5	0	0	0	0	0	0
259-281		0.5	0	0	0	0.5	0	0	0	0	0	0
282-303		1.4	0.5	2.7	1.4	0	1.4	0.5	0	0	0	0
304-326		0.9	0.9	3.6	7.2	4.5	2.3	2.3	0.5	0	0	0
327-348		1.4	0.5	6.8	4.5	3.2	2.3	0.5	0.5	0	0	0

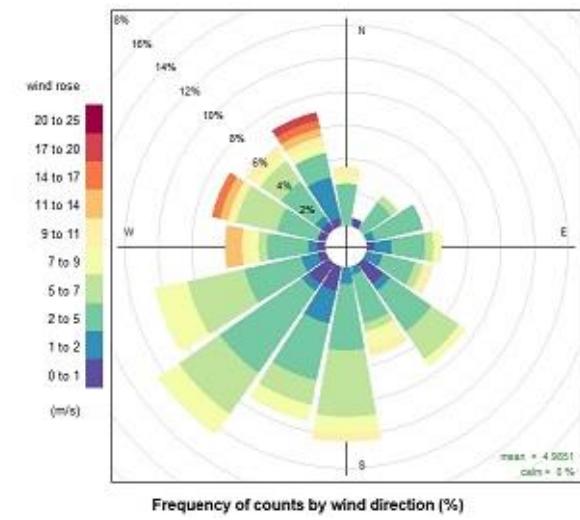


Patiala

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	0	2.5	0	0.5	0.5	0	0	0	0	0
12-33		0.5	0	0	0	0	0	0	0	0	0	0
34-56		0	0	1.5	0.5	0	0	0	0	0	0	0
57-78		0	0.5	3	0	0	0	0	0	0	0	0
79-101		0.5	1	2	0.5	0.5	0	0	0	0	0	0
102-123		0	1	2	0.5	0	0.5	0	0	0	0	0
124-146		1.5	0.5	3	2	0.5	0	0	0	0	0	0
147-168		0	0.5	3	0.5	1	0.5	0	0	0	0	0
168-191		0	1	4	4	1	0.5	0	0	0	0	0
192-213		1.5	2	3.5	1.5	1	0	0	0	0	0	0
214-236		1.5	0.5	6	3	1.5	0	0	0	0	0	0
237-258		0.5	1	3.5	3.5	2	0	0	0	0	0	0
259-281		0.5	0.5	2.5	0.5	0.5	1	0	0	0	0	0
282-303		0.5	0	2.5	2.5	0	0.5	0.5	0.5	0	0	0
304-326		0.5	0.5	2.5	1.5	0.5	0.5	0	0	0	0	0
327-348		0.5	2.5	1.5	0	0.5	0.5	0.5	0.5	0	0	0

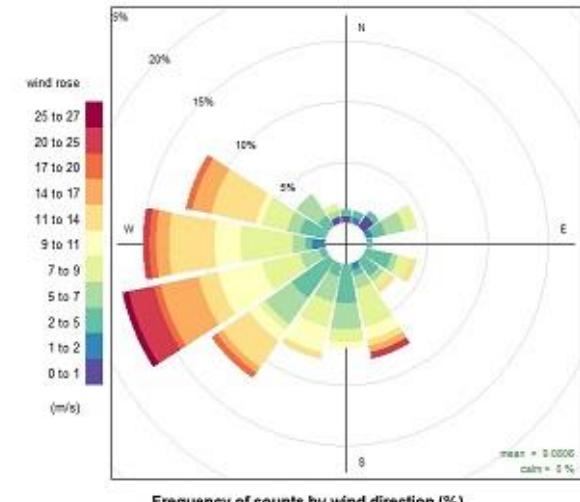


Patiala

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	0.5	0	0.5	0	0	0	0	0	0	0	0
12-33		0	0.5	0.5	0	0	0	0	0	0	0	0
34-56		1.1	0	0.5	0	0	0	0	0	0	0	0
57-78		0	0.5	1.1	1.6	1.1	0	0	0	0	0	0
79-101		0	0	0.5	0	0	0	0	0	0	0	0
102-123		0	0	2.2	0.5	1.1	0	0.5	0	0	0	0
124-146		0	0	1.6	0.5	0.5	0	0.5	0	0	0	0
147-168		0	0.5	0.5	1.1	1.6	1.1	0.5	0.5	0	0.5	0
168-191		0	0	3.2	2.2	2.7	0.5	0	0	0	0	0
192-213		0	0	1.1	2.2	2.2	2.2	0.5	0	0	0	0
214-236		0	0	3.8	2.7	0.5	1.1	2.7	0.5	0.5	0	0
237-258		0	0	0.5	1.6	3.2	3.8	1.6	3.2	0.5	2.2	0.5
259-281		0	1.1	0.5	1.1	4.3	2.2	3.8	1.1	0.5	0.5	0
282-303		0	0	2.2	1.1	2.2	0.5	3.8	1.6	0.5	0	0
304-326		0	0	1.1	2.2	0	0	0	0	0	0	0
327-348		0.5	0	0	0.5	0	0	0	0	0	0	0

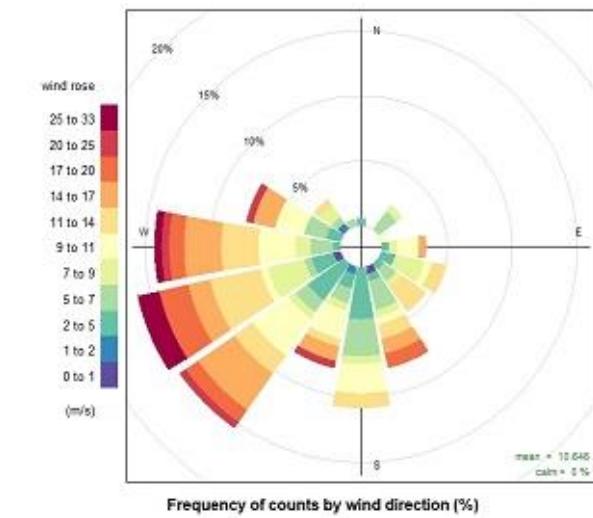


Patiala

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

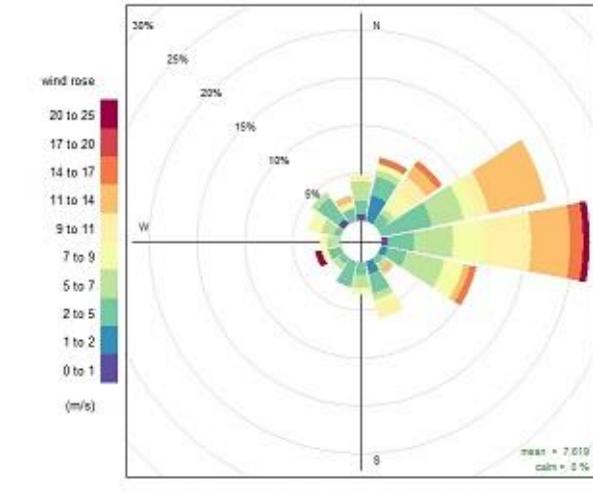


Patiala

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	0.7	0	1.4	2.1	0	0.7	0	0	0	0	0
12-33		0	2.7	2.1	0.7	0.7	0	0	0.7	0	0	0
34-56		0	0	1.4	0.7	2.1	2.1	1.4	0.7	0	0	0
57-78		0	0	5.5	3.4	1.4	1.4	6.2	0	0	0	0
79-101		0.7	0	2.7	4.1	3.4	4.1	4.1	1.4	0	0.7	0
102-123		0	0.7	2.1	4.1	2.1	0	0.7	0.7	0	0	0
124-146		0	0	0.7	0.7	0	0	0.7	0	0	0	0
147-168		0	1.4	2.1	0.7	0.7	1.4	0	0	0	0	0
168-191		0	0	1.4	1.4	0.7	0	0	0	0	0	0
192-213		0	0	2.7	0	0	0	0	0	0	0	0
214-236		0	0	0.7	0.7	0	0	0	0	0	0	0
237-258		0	0	1.4	0	0.7	0	0	0	0	0.7	0
259-281		0	0	0	1.4	0.7	0	0	0	0	0	0
282-303		0	0	0.7	1.4	1.4	0	0	0	0	0	0
304-326		0.7	0	2.7	0.7	0	0	0	0	0	0	0
327-348		0	0	1.4	0	0	0.7	0.7	0	0	0	0



Patiala

September

1000 hPa level

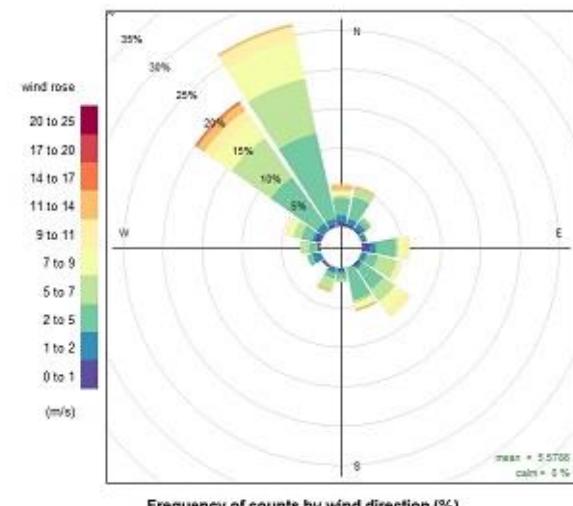
Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11												
12-33												
34-56												
57-78												
79-101												
102-123												
124-146												
147-168												
168-191												
192-213												
214-236												
237-258						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

Patiala

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		0.7	0.7	2.1	0.4	0.4	0.4	0.7	0	0	0	0
12-33		0.4	0.7	2.9	1.1	0	0	0.4	0	0	0	0
34-56		0.4	0.7	0.7	0.4	0	0	0	0	0	0	0
57-78		0	0.7	0	0	0.4	0	0	0	0	0	0
79-101		1.1	0.7	2.5	0.4	0.7	0.7	0	0	0	0	0
102-123		0	0.7	1.4	2.5	0	0.7	0	0	0	0	0
124-146		0.4	0.4	3.2	1.8	1.4	1.1	0	0	0	0	0
147-168		0	0	4.3	0.4	0.7	0	0.4	0	0	0	0
168-191		0.4	0.4	0.7	0.4	0	0	0	0	0	0	0
192-213		0	0.7	0.7	1.4	0	0	0.4	0	0	0	0
214-236		0.4	0	0	0	0	0	0	0	0	0	0
237-258		0	1.1	0.7	0	0	0	0	0	0	0	0
259-281		0.4	0	1.1	1.1	0	0	0	0	0	0	0
282-303		0.7	0.4	1.4	1.1	0.7	0.4	0	0	0	0	0
304-326		0	1.1	7.1	6.1	2.9	1.4	1.1	0.4	0	0	0
327-348		0.4	0.7	11.1	7.1	5	1.8	0.4	0	0	0	0

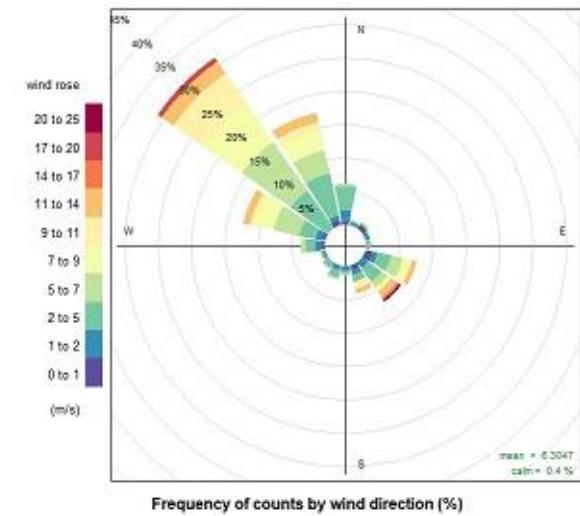


Patiala

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	0.4	1.8	3.6	0.4	0	0	0	0	0	0	0
12-33		0	0.4	0.4	0	0	0	0	0	0	0	0
34-56		0.7	0	0.4	0	0.4	0	0	0	0	0	0
57-78		0	0.7	0	0	0.4	0	0	0	0	0	0
79-101		0	0	0.7	0	0	0	0	0	0	0	0
102-123		1.1	0.7	2.2	1.8	1.1	0.4	0.7	0	0	0	0
124-146		0	1.1	2.5	1.1	0.7	0	1.1	0.4	0	0.4	0
147-168		0.7	0.7	1.1	0	0	1.1	0.7	0	0	0	0
168-191		0	0.7	0.4	0.4	0	0	0	0	0	0	0
192-213		0	0.7	1.1	0.4	0	0	0	0	0	0	0
214-236		0	0	1.1	0	0	0	0	0	0	0	0
237-258		0	0.4	0.4	0	0.4	0	0	0	0	0	0
259-281		0.4	1.1	1.4	0.7	0	0	0	0	0	0	0
282-303		0.4	1.1	2.5	3.9	2.9	0.7	1.1	0	0	0	0
304-326		0	0	6.8	9	7.2	5.4	2.2	0	0.7	0	0
327-348		0.7	0.7	6.5	3.6	3.2	1.1	1.4	0	0	0	0

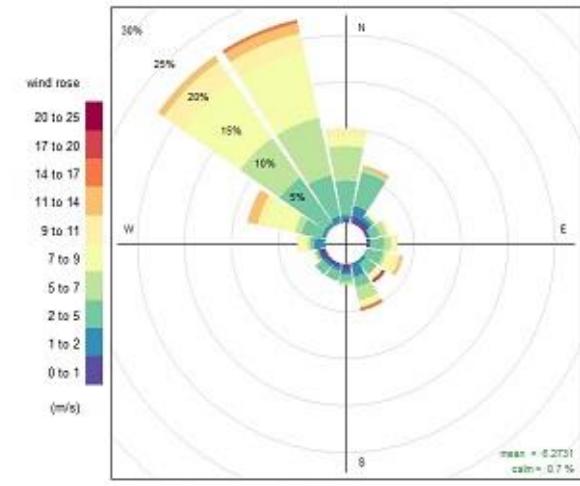


Patiala

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	1	0.4	0.4	3.7	3.7	1.1	0.7	0	0	0	0	0
12-33		0.7	1.1	3.7	0.4	0	0	0.4	0	0	0	0
34-56		0.7	0.4	0.4	0	0.4	0	0	0	0	0	0
57-78		0.4	0	1.1	0.7	0.4	0	0	0	0	0	0
79-101		0.4	0	1.5	0.7	0.4	0.4	0	0	0	0	0
102-123		0	0	1.8	0.4	0.7	0.7	0.4	0	0	0	0
124-146		0	0.4	1.5	0	0.4	0.4	0	0	0.4	0	0
147-168		0	1.5	1.1	1.5	0.4	0.4	0	0.4	0	0	0
168-191		0.7	0.4	0.7	0.4	0	0	0	0	0	0	0
192-213		0.4	0.4	1.1	0	0	0	0	0	0	0	0
214-236		0.4	0.4	1.1	0	0	0	0	0	0	0	0
237-258		0.7	0	0.4	0	0	0.4	0	0	0	0	0
259-281		0	1.1	0.4	0.4	0.7	0.4	0	0	0	0	0
282-303		0	0.4	2.2	0.7	3.3	0.7	1.1	0	0	0	0
304-326		0	0.4	5.9	5.2	7.4	2.6	0.7	0	0	0	0
327-348		0	0.7	4.4	6.3	7.4	1.8	1.1	0.4	0	0	0

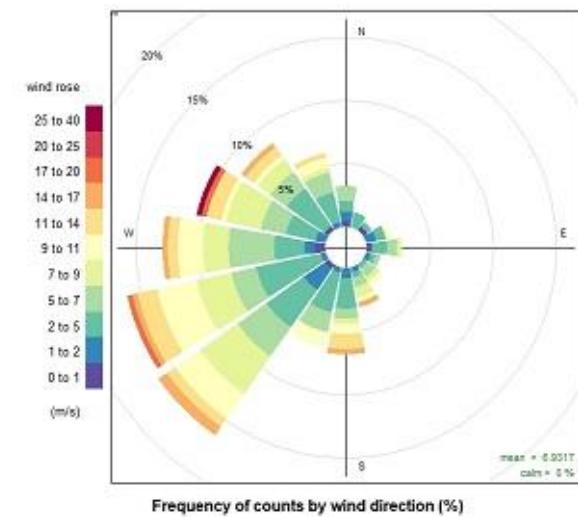


Patiala

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

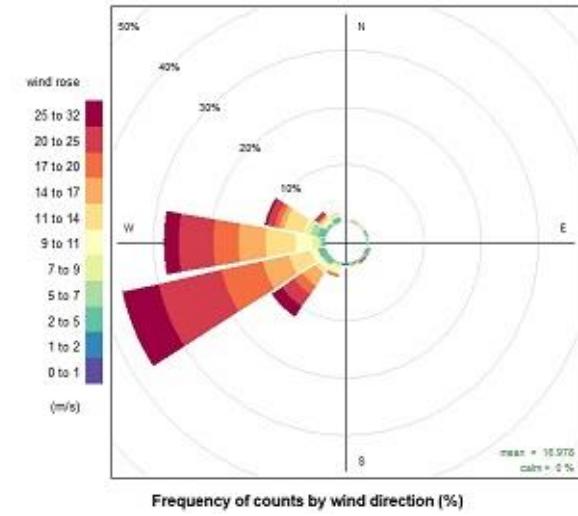


Patiala

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	0	0	0	0	0	0	0	0	0	0	0
12-33		0	0	0	0.4	0	0	0	0	0	0	0
34-56		0	0	0	0	0.4	0	0	0	0	0	0
57-78		0	0	0.4	0	0	0	0	0	0	0	0
79-101		0	0	0	0.4	0	0	0	0	0	0	0
102-123		0	0	0.9	0	0	0	0	0	0	0	0
124-146		0	0	0	0.4	0	0	0	0	0	0.4	0
147-168		0	0	0.4	0	0	0	0.4	0	0	0	0
168-191		0.4	0	0	0	0	0.4	0	0	0	0	0
192-213		0	0	0	0.4	0.4	0.9	0.4	0	0.4	0	0
214-236		0	0	0.9	0.4	0	0.9	0.9	2.6	1.7	2.6	2.2
237-258		0	0	1.3	0	0	1.3	3.9	4.8	7.4	11.3	6.5
259-281		0	0	0.4	0.4	1.3	3	5.2	4.8	4.3	6.1	2.6
282-303		0	0	1.3	1.3	0.9	0.4	3.5	0.9	0.9	1.3	0.4
304-326		0	0	0.4	0	0.4	0.4	0.4	0.4	0	0.9	0
327-348		0	0	0.9	0	0	0.4	0.4	0	0	0	0

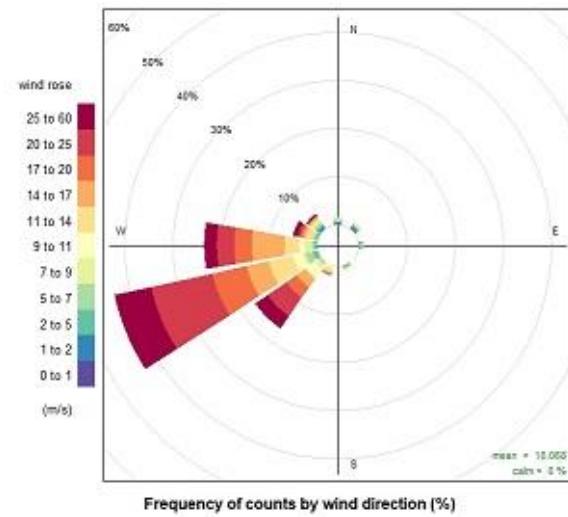


Patiala

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	0.5	0.5	0	0	0	0	0	0
12-33		0	0	0	0	0	0	0	0	0	0	0
34-56		0	0.5	0.5	0	0	0	0.5	0	0	0	0
57-78		0	0	0	0	0	0	0	0	0	0	0
79-101		0	0	0.5	0.5	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	0.5	0	0	0	0	0
147-168		0	0	0.5	0	0.5	0	0	0	0	0	0
168-191		0	0	0	0	0	0	0	0	0	0	0
192-213		0	0	0	0	0	0.5	1	0	0.5	0	0
214-236		0	0	0	0.5	1	2.1	0.5	2.1	2.6	4.7	3.1
237-258		0	0	1	1.6	0.5	2.1	5.2	4.7	7.3	13	7.8
259-281		0	0	0.5	0.5	1.6	1	3.1	6.8	3.6	3.6	2.6
282-303		0	0	0.5	0.5	0	0	1.6	0.5	0.5	0.5	1
304-326		0	0.5	0.5	0.5	0.5	0	0.5	0.5	0	0	0.5
327-348		0	0	0	0	0	0	0	0	0	0	0

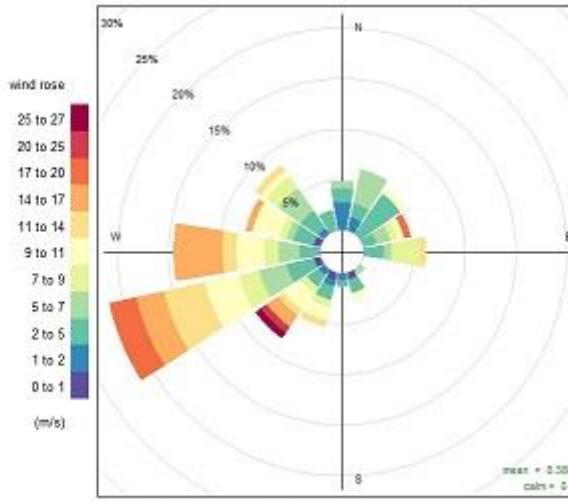


Patiala

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	2.8	1.4	0.7	0	0	0	0	0	0	0
12-33		0	1.4	1.4	3.4	0	0	0	0	0	0	0
34-56		0	0	4.8	0	0	0.7	0	0	0	0	0
57-78		0	0	1.4	1.4	0.7	0.7	0	0	0.7	0	0
79-101		0	0	2.1	0.7	2.8	0	0.7	0	0	0	0
102-123		0	0	0	0	0	0	0	0	0	0	0
124-146		0	0	0	0.7	0	0	0	0	0	0	0
147-168		0	0	1.4	0	0	0.7	0	0	0	0	0
168-191		0.7	0.7	0.7	0	0	0	0	0	0	0	0
192-213		0.7	0.7	1.4	0	0.7	1.4	0.7	0	0	0	0
214-236		0	0.7	1.4	0	0.7	2.1	0.7	1.4	0	0.7	0.7
237-258		0.7	0	2.8	2.8	2.1	3.4	4.1	2.8	2.8	0	0
259-281		0	0	2.1	2.1	1.4	2.8	1.4	4.8	0	0	0
282-303		0.7	0	2.1	0.7	0.7	2.8	0	0.7	0	0	0
304-326		0	0.7	2.1	2.8	1.4	0.7	0.7	0	0	0	0
327-348		0	0	2.1	0	0	0	0	0	0	0	0



Patiala

October

1000 hPa level

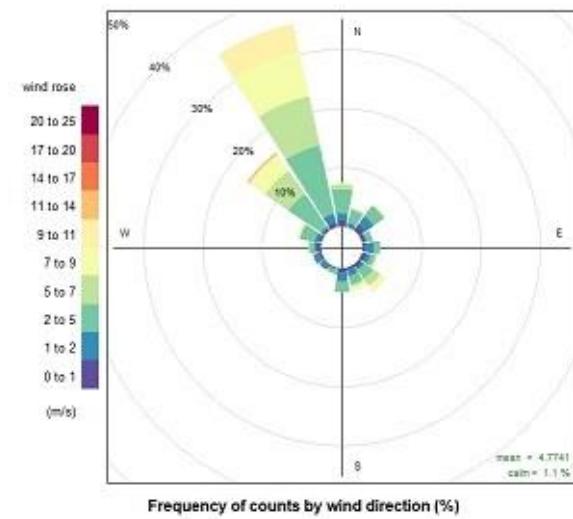
Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11												
12-33												
34-56												
57-78												
79-101												
102-123												
124-146												
147-168												
168-191												
192-213												
214-236												
237-258						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

Patiala

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		1.1	1.1	4.1	0.7	0.4	0	0	0	0	0	0
12-33		0	0.7	2.2	0.4	0	0	0	0	0	0	0
34-56		1.1	1.9	2.2	0	0.4	0	0	0	0	0	0
57-78		0.7	0	1.1	0	0	0	0	0	0	0	0
79-101		0.4	1.5	1.1	0	0	0	0	0	0	0	0
102-123		0.7	0.7	0.7	0.4	0	0	0	0	0	0	0
124-146		0.7	0.4	1.9	1.5	0.7	0.4	0	0	0	0	0
147-168		0.4	1.1	1.5	0.4	0.7	0	0	0	0	0	0
168-191		0.7	1.5	1.9	0	0	0	0	0	0	0	0
192-213		0	0.4	0.7	0	0.4	0	0	0	0	0	0
214-236		0	1.1	0	0	0	0	0	0	0	0	0
237-258		0.4	1.1	0	0	0	0	0	0	0	0	0
259-281		0.7	0.4	0.7	0.4	0	0	0	0	0	0	0
282-303		0.4	0.7	2.6	0	0.4	0	0	0	0	0	0
304-326		0.4	0.4	6.7	4.5	3	0.4	0.4	0	0	0	0
327-348		0.7	1.5	11.9	8.6	7.8	4.8	0	0	0	0	0

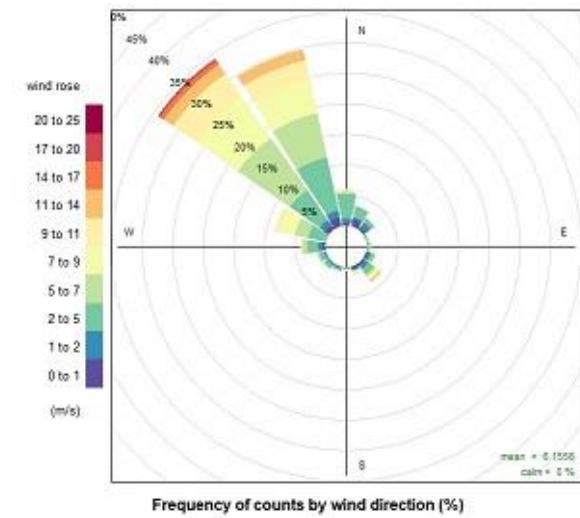


Patiala

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	0.4	0.7	4.1	0.4	0	0.4	0	0	0	0	0
12-33		1.1	0.4	1.9	0	0	0	0	0	0	0	0
34-56		0.4	1.1	0.7	0	0	0	0	0	0	0	0
57-78		0	0	0.4	0	0	0	0	0	0	0	0
79-101		0	0	0.4	0.4	0	0	0	0	0	0	0
102-123		0.4	0.4	0.7	0	0.4	0	0	0	0	0	0
124-146		0.4	0.7	1.1	0.4	0.7	0	0.4	0	0	0	0
147-168		0.4	0.4	0	0	0	0.4	0	0	0	0	0
168-191		0	0	0.4	0	0.4	0.4	0	0	0	0	0
192-213		0	0.4	0.4	0	0	0	0	0	0	0	0
214-236		0	0.4	0.7	0	0	0	0	0	0	0	0
237-258		0	0.4	0.7	0.4	0	0	0	0	0	0	0
259-281		0.4	0.7	1.9	0.7	0	0.4	0	0	0	0	0
282-303		0	0	3	2.2	2.6	0.7	0	0	0	0	0
304-326		0.7	1.1	5.9	10	8.2	4.8	1.9	0.7	0.4	0	0
327-348		1.5	1.1	8.9	7.4	5.6	3.3	1.9	0	0	0	0

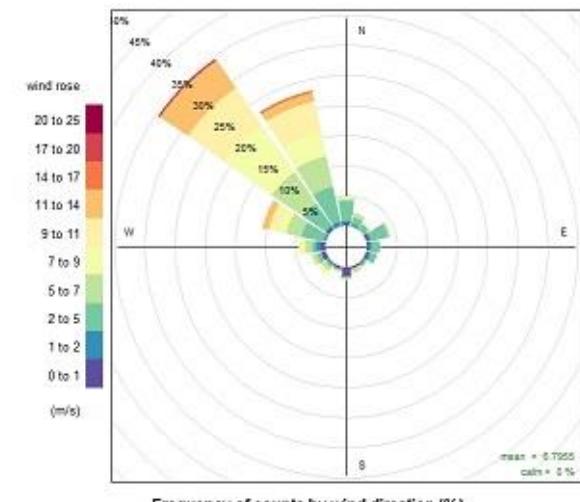


Patiala

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	0.4	0.4	3.4	0.4	0.4	0	0	0	0	0	0
12-33		0	0.4	1.1	0.7	0	0	0	0	0	0	0
34-56		0	0	1.1	0	0.4	0	0	0	0	0	0
57-78		0.4	0.4	3	0.4	0	0	0	0	0	0	0
79-101		0.4	0.4	1.5	0	0	0	0	0	0	0	0
102-123		0.4	0.4	1.1	0	0	0	0	0	0	0	0
124-146		0	0.4	0.4	0	0	0.4	0	0	0	0	0
147-168		0.4	0	0	0.7	0	0	0	0	0	0	0
168-191		1.5	0	0.4	0	0.4	0	0	0	0	0	0
192-213		0.4	0	0.4	0	0.4	0	0	0	0	0	0
214-236		0	0.4	0.4	0.7	0.7	0	0	0	0	0	0
237-258		0.7	0	0.7	0.7	0	0.4	0	0	0	0	0
259-281		0.7	0.7	0.7	1.1	1.1	0	0	0	0	0	0
282-303		0	0.4	3.7	2.6	1.5	1.5	1.1	0	0	0	0
304-326		0.4	0.4	4.5	6.3	9.7	7.5	5.6	0	0.4	0	0
327-348		0	0.7	6	4.9	4.1	5.2	1.5	0.4	0	0	0

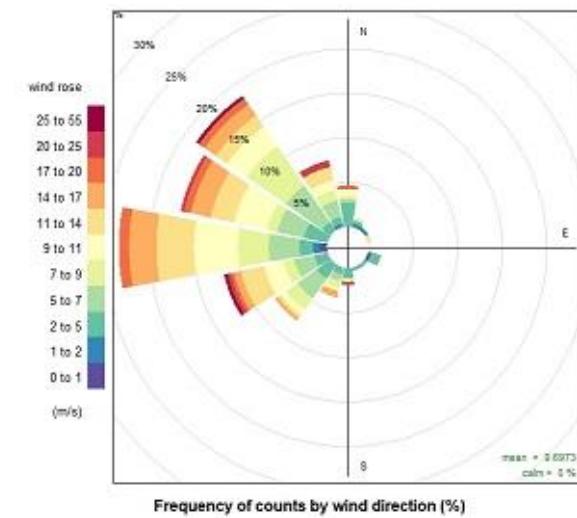


Patiala

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	0	0	2.7	0.4	0.4	0.8	0	0	0.4	0	0
12-33		0	0.4	0.4	0	0.4	0	0	0	0	0	0
34-56		0	0.4	0	0	0	0	0	0	0	0	0
57-78		0	0	0	0	0	0	0.4	0	0	0	0
79-101		0	0	0	0	0	0	0	0	0	0	0
102-123		0.4	0	1.2	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	0	0	0	0	0
168-191		0	0	1.2	0	0.4	0	0	0	0	0.4	0
192-213		0	0	0.8	0.8	0.8	0.4	0	0.8	0	0	0
214-236		0	0	1.9	2.7	1.5	0.8	0.4	0.4	0	0	0
237-258		0	0	1.2	2.3	1.2	2.3	2.7	0.8	0.4	0.4	0.4
259-281		0.8	0.8	1.5	3.5	3.5	5	4.2	3.1	1.2	0	0
282-303		0	0	2.7	3.1	1.2	3.8	2.7	2.3	0.8	0.4	0
304-326		0	0	1.2	5	5.4	2.7	1.5	1.5	0.8	0	0.4
327-348		0	0.4	0.8	1.9	1.2	1.2	1.5	0	0	0.8	0

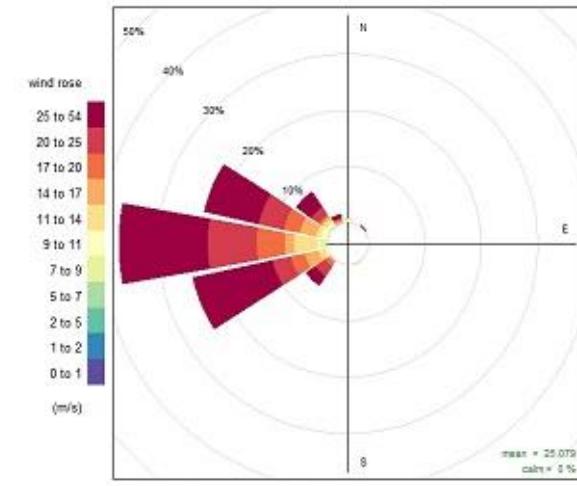


Patiala

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	0	0	0	0	0	0.4	0.4	0	0	0	0
12-33		0	0	0	0	0	0	0	0	0	0	0
34-56		0	0	0	0	0	0	0	0	0	0.4	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	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	0.4	0.4	0.8	2.1	2.1
237-258		0	0	0	0	0.4	1.2	2.5	2.5	3.3	14.2	
259-281		0	0	0	1.2	0.4	4.2	1.7	5	8.8	15.8	
282-303		0	0	0	0	1.2	0.8	2.9	2.9	4.6	10	
304-326		0	0	0	0.4	0.4	0.8	0.4	0.4	1.7	3.3	
327-348		0	0	0	0	0	0	0.4	0.4	0	0.8	

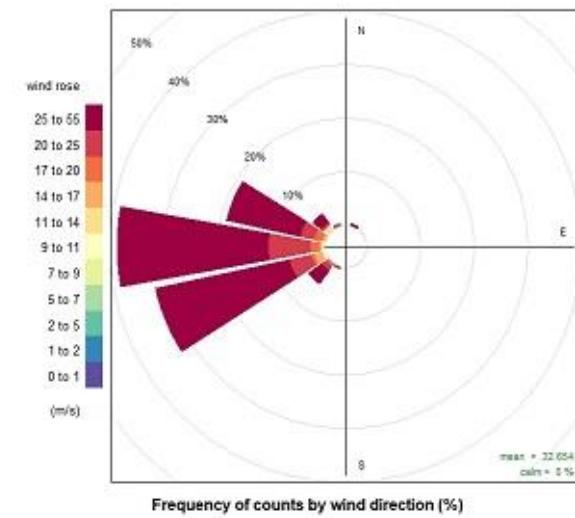


Patiala

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	0	0	0	0	0
12-33		0	0	0	0	0	0	0	0	0	0	0.5
34-56		0	0	0	0	0	0	0	0	0	0	0
57-78		0	0	0	0	0	0	0	0	0	0	0
79-101		0	0	0	0	0	0	0	0	0	0	0
102-123		0	0	0	0	0	0	0	0	0	0	0
124-146		0	0	0	0	0	0	0	0	0	0	0
147-168		0	0	0	0	0	0	0	0	0	0	0
168-191		0	0	0	0	0	0	0	0	0	0	0
192-213		0	0	0	0	0	0	0	0	0	0.5	0
214-236		0	0	0	0	0	0	0	0.5	1.1	3.2	
237-258		0	0	0	0	0.5	0	1.6	0.5	4.2	25.3	
259-281		0	0	0	0	0.5	0	0.5	1.6	7.9	28.4	
282-303		0	0	0	0	0	0	0.5	1.6	2.6	14.2	
304-326		0	0	0	0	0	1.1	0	0	0.5	2.1	
327-348		0	0	0	0	0	0	0	0	0.5	0	

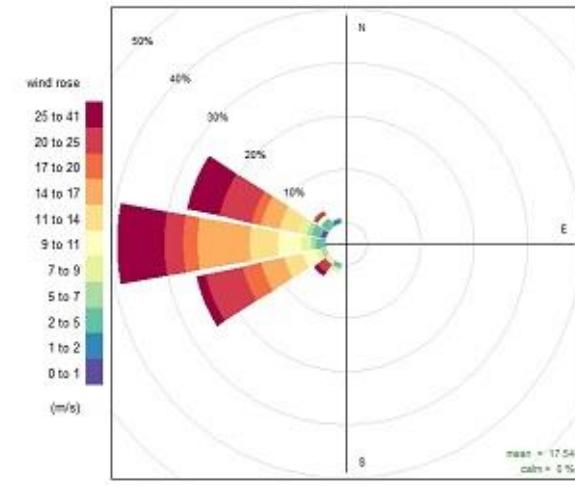


Patiala

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	0	0	0	0	0	0	0	0	0	0
12-33		0	0	0	0	0	0	0	0	0	0	0
34-56		0	0	0	0	0	0	0	0	0	0	0
57-78		0	0	0	0	0	0	0	0	0	0	0
79-101		0	0	0	0	0	0	0	0	0	0	0
102-123		0	0	0	0	0	0	0	0	0	0	0
124-146		0	0	0	0	0	0	0	0	0	0	0
147-168		0	0	0	0	0	0	0	0	0	0	0
168-191		0	0	0	0	0	0	0	0	0	0	0
192-213		0	0.9	0	0.9	0	0	0	0	0	0	0
214-236		0	0	0	0.9	0	0	0	0	0	1.8	0.9
237-258		0	0	0.9	0.9	2.7	3.5	4.4	3.5	7.1	1.8	
259-281		0	0	1.8	0.9	1.8	4.4	5.3	9.7	2.7	3.5	8.8
282-303	0.9	0	1.8	0.9	1.8	0	3.5	3.5	1.8	6.2	6.2	
304-326	0	0	1.8	0	0	0.9	0	0	0	0.9	0	
327-348	0	0.9	0	0	0	0	0	0	0	0	0	



Patiala

November

1000 hPa level

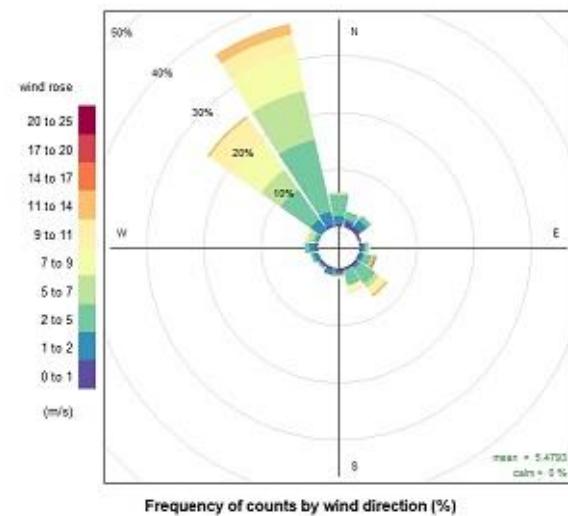
Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11												
12-33												
34-56												
57-78												
79-101												
102-123												
124-146												
147-168												
168-191												
192-213												
214-236												
237-258						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

Patiala

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		0.5	1.4	3.7	0.5	0	0	0	0	0	0	0
12-33		0.9	0.5	1.4	0	0	0	0	0	0	0	0
34-56		0.9	1.4	0.9	0	0	0	0	0	0	0	0
57-78		0.5	0	0	0	0	0	0	0	0	0	0
79-101		0.5	0.5	0.5	0	0	0	0	0	0	0	0
102-123		0.5	0.5	1.4	0.5	0	0	0	0.5	0	0	0
124-146		0.5	0.5	3.2	0.9	0	1.4	0.5	0	0	0	0
147-168		0.5	0	2.3	0	0.9	0.5	0	0	0	0	0
168-191		0.5	0	0.9	0	0.5	0	0	0	0	0	0
192-213		0.5	0.9	0	0	0	0	0	0	0	0	0
214-236		0.5	0	0.5	0	0	0	0	0	0	0	0
237-258		0	0.9	0.5	0	0	0	0	0	0	0	0
259-281		0.5	0.9	0.9	0	0	0	0	0	0	0	0
282-303		0	0.5	0.5	0.9	0	0.5	0	0	0	0	0
304-326	0	0	2.3	6.5	4.2	6	5.1	0.5	0	0	0	0
327-348	0.5	0.5	2.3	13	8.8	6.9	3.2	1.9	0	0	0	0

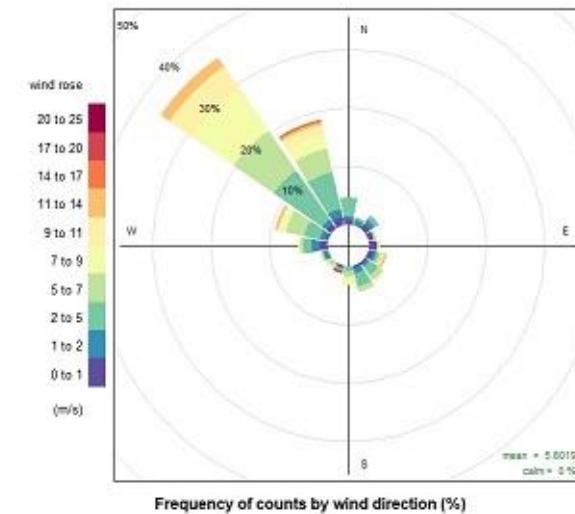


Patiala

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		0.9	0.5	3.3	0	0	0	0	0	0	0	0
12-33	0	0	0.9	0.5	0	0	0	0	0	0	0	0
34-56	0.9	0.9	0.9	0	0	0	0	0	0	0	0	0
57-78	0.9	0	0	0.5	0	0	0	0	0	0	0	0
79-101	1.4	0	0	0	0	0.5	0	0	0	0	0	0
102-123	0.9	0.5	0.5	0.5	0	0.5	0.5	0	0	0	0	0
124-146	0.5	0.5	1.9	0.9	0	0.5	0	0	0	0	0	0
147-168	0.5	0.9	2.3	0.9	0	0	0	0	0	0	0	0
168-191	0	0	0.9	0.9	1.4	0	0	0	0	0	0	0
192-213	0.5	0	0.5	0	0	0	0	0	0.5	0	0	0
214-236	0	0	0	0.9	0.5	0	0	0	0	0	0	0
237-258	0	0.9	0	0.5	0	0	0	0	0	0	0	0
259-281	1.4	1.4	1.4	0.5	0.5	0	0	0	0	0	0	0
282-303	0.5	0.9	2.8	3.3	0.9	0.5	0.5	0	0	0	0	0
304-326	0.9	0.9	9.8	8.4	8.8	4.7	1.9	0	0	0	0	0
327-348	1.4	1.4	6.5	4.2	2.3	1.9	0.5	0.5	0	0	0	0

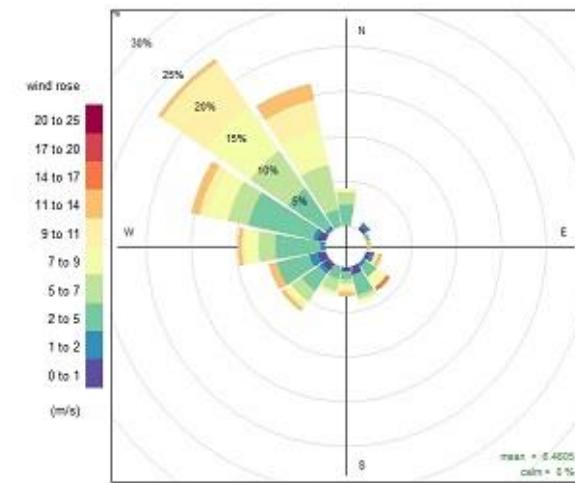


Patiala

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	0	2.3	1.4	0.5	0	0	0	0	0	0
12-33	0	0	0	0	0	0	0	0	0	0	0	0
34-56	0.5	0.5	0	0	0	0	0	0	0	0	0	0
57-78	0	0	0.5	0	0	0	0	0	0	0	0	0
79-101	0	0	0	0	0	0.5	0	0	0	0	0	0
102-123	0.5	0.5	0	0	0	0.5	0.5	0	0	0	0	0
124-146	0	0.5	1.4	0	1.4	0	0	0.5	0	0	0	0
147-168	0.9	0	2.3	0.5	0.5	0	0	0	0	0	0	0
168-191	0.5	0	0.9	0.5	0.5	0.5	0.5	0	0	0	0	0
192-213	0	0	1.4	1.4	0.5	0	0	0	0	0	0	0
214-236	0.9	0.5	2.3	1.4	0.5	0.5	0.5	0	0	0	0	0
237-258	0.9	0.9	3.7	0	0	0	0.9	0	0	0	0	0
259-281	0	0.5	5.1	1.4	1.4	0.5	0.5	0.5	0	0	0	0
282-303	0.9	0.5	7.5	2.3	2.3	0.9	0.9	0.9	0	0	0	0
304-326	0	0.5	5.1	5.1	6.1	6.1	0.5	0	0	0	0	0
327-348	0	0	1.9	5.1	4.2	3.3	1.9	0	0	0	0	0

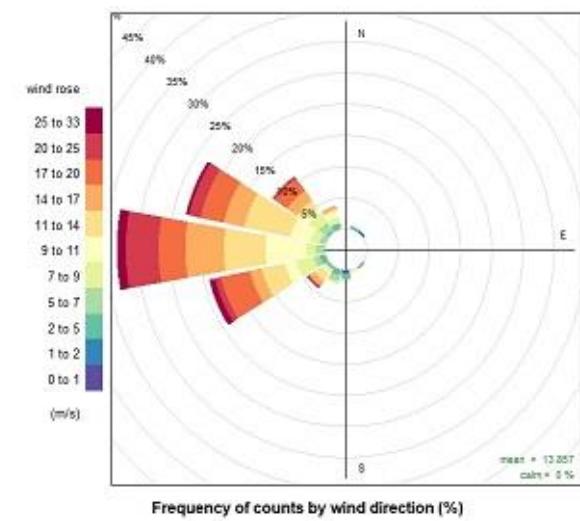


Patiala

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	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	0.5	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	0.5	0	0	0	0	0	0	0	0
147-168		0	0	0	0.5	0	0	0	0	0	0	0
168-191		0.5	0	1	0	0	0	0	0	0	0	0
192-213		0	0	1	1	0.5	0	0	0	0	0	0
214-236		0	0	0.5	0	0.5	0.5	1.4	1	0	0.5	0
237-258		0	0	1	1	2.9	1.9	3.8	1.9	4.8	1	1
259-281		0	0	0	1.4	1.4	6.7	6.7	6.2	4.3	5.3	1.4
282-303		0	0	0	1	1.4	3.3	7.7	3.3	3.8	1.9	0.5
304-326		0	0	0.5	1.4	1.9	1	1.4	1.9	2.4	0.5	0
327-348		0	0	1	0	1	1	0.5	0.5	0	0	0

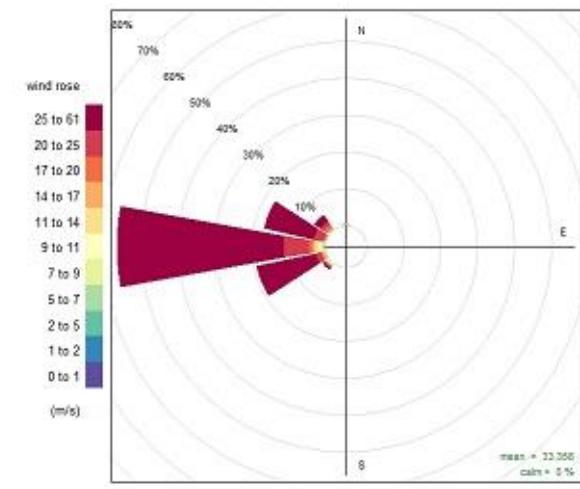


Patiala

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	0	0.5	0	0	0
12-33		0	0	0	0	0	0	0	0	0	0	0
34-56		0	0	0	0	0	0	0	0	0	0	0
57-78		0	0	0	0	0	0	0	0	0	0	0
79-101		0	0	0	0	0	0	0	0	0	0	0
102-123		0	0	0	0	0	0	0	0	0	0	0
124-146		0	0	0	0	0	0	0	0	0	0	0
147-168		0	0	0	0	0	0	0	0	0	0	0
168-191		0	0	0	0	0	0	0	0	0	0	0
192-213		0	0	0	0	0	0	0	0	0	0	0
214-236		0	0	0	0	0.5	0	0.5	0	0	0	0.5
237-258		0	0	0	0	0	0	1.1	0	1.6	16.6	
259-281		0	0	0.5	0.5	0.5	1.1	0.5	1.1	7	45.5	
282-303		0	0	0	0	0	0	0	0.5	2.7	13.9	
304-326		0	0	0	0	0	0	0.5	1.1	1.1	2.1	
327-348		0	0	0	0	0	0	0	0	0	0	

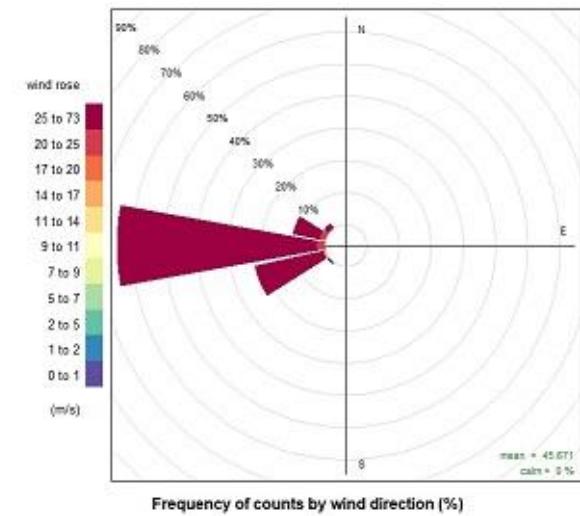


Patiala

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	0	0	0	0	0	0	0	0
12-33		0	0	0	0	0	0	0	0	0	0	0
34-56		0	0	0	0	0	0	0	0	0	0	0
57-78		0	0	0	0	0	0	0	0	0	0	0
79-101		0	0	0	0	0	0	0	0	0	0	0
102-123		0	0	0	0	0	0	0	0	0	0	0
124-146		0	0	0	0	0	0	0	0	0	0	0
147-168		0	0	0	0	0	0	0	0	0	0	0
168-191		0	0	0	0	0	0	0	0	0	0	0
192-213		0	0	0	0	0	0	0	0	0	0	0
214-236		0	0	0	0	0	0	0	0	0	0	0.6
237-258		0	0	0	0	0	0	0.6	0	0	0	22
259-281		0	0	0	0	0	0	0	0	0	2.4	62.2
282-303		0	0	0	0	0	0	0	0	0	1.8	8.5
304-326		0	0	0	0	0	0	0	0	0	0	1.8
327-348		0	0	0	0	0	0	0	0	0	0	0

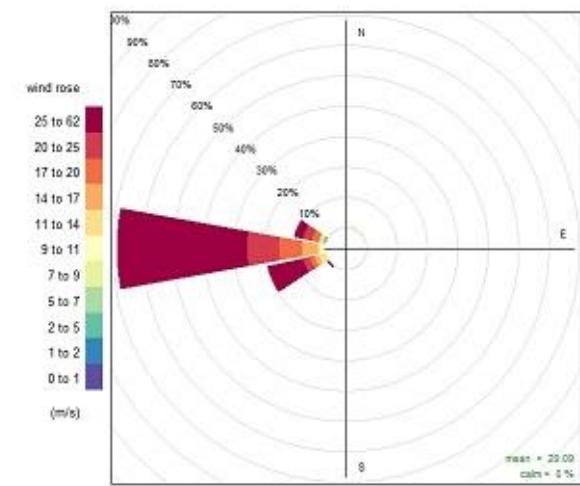


Patiala

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	0	0	0	0	0	0	0	0	0	0
12-33		0	0	0	0	0.8	0	0	0	0	0	0
34-56		0	0	0	0	0	0	0	0	0	0	0
57-78		0	0	0	0	0	0	0	0	0	0	0
79-101		0	0	0	0	0	0	0	0	0	0	0
102-123		0	0	0	0	0	0	0	0	0	0	0
124-146		0	0	0	0	0	0	0	0	0	0	0
147-168		0	0	0	0	0	0	0	0	0	0	0
168-191		0	0	0	0	0	0	0	0	0	0	0
192-213		0	0	0	0	0	0	0	0	0	0	0
214-236		0	0	0	0	0	0	0	0	0	0	0.8
237-258		0	0	0	0	0	0	2.3	1.5	1.5	2.3	12.1
259-281		0	0	0	0	1.5	0.8	5.3	7.6	10.6	42.4	
282-303		0	0	0.8	0	0	0	1.5	0	2.3	3	3
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



Patiala

December

1000 hPa level

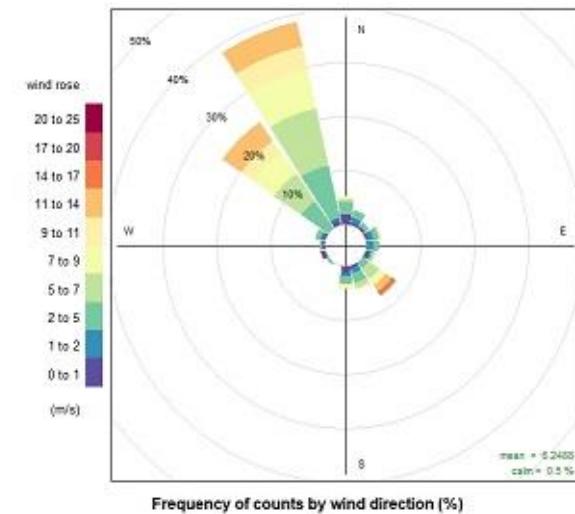
Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11												
12-33												
34-56												
57-78												
79-101												
102-123												
124-146												
147-168												
168-191												
192-213												
214-236												
237-258						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

Patiala

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		1.9	0	2.4	0.5	0.5	0	0	0	0	0	0
12-33	0	0.5	0.9	1.4	0	0	0	0	0	0	0	0
34-56		0.5	0	0.9	0	0	0	0	0	0	0	0
57-78		0.5	0.9	0.9	0.5	0	0	0	0	0	0	0
79-101		0	1.4	0.9	0	0	0	0	0	0	0	0
102-123		0.9	0	0.5	0.5	0	0	0	0	0	0	0
124-146		0	0	1.4	2.4	0.9	0	1.4	0.9	0	0	0
147-168		0.5	0.9	1.9	0.9	0	0.5	0	0	0	0	0
168-191		1.4	0.5	1.4	0	0.5	0.5	0	0	0	0	0
192-213		0	0	0	0	0	0	0	0	0	0	0
214-236		0	0	0.5	0	0	0	0	0	0	0	0
237-258		0.9	0	0	0	0	0	0	0	0	0	0
259-281		0.5	0	0.5	0	0	0	0	0	0	0	0
282-303		0.5	0.5	0.9	0	0	0	0	0	0	0	0
304-326		0	0	6.1	6.1	4.7	2.8	4.2	0	0	0	0
327-348		0.9	0.5	9.9	10.8	7.5	4.2	4.7	0	0	0	0

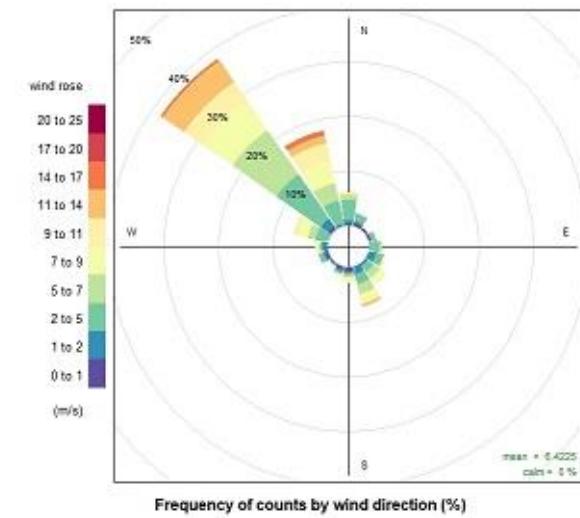


Patiala

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	0.5	0.5	3.8	0.9	0	0.5	0	0	0	0	0
12-33		0.5	0.5	1.4	0	0	0	0	0	0	0	0
34-56		0.5	0	0	0	0	0	0	0	0	0	0
57-78		0.5	0	0.9	0	0	0	0	0	0	0	0
79-101		0	0	1.9	0.5	0	0	0	0	0	0	0
102-123		0	1.4	1.4	0	0	0.5	0	0	0	0	0
124-146		0	0.5	1.4	0.9	1.4	0	0	0	0	0	0
147-168		0	1.4	1.9	1.4	0.9	0.9	0.5	0	0	0	0
168-191		0.9	0	0.5	0.9	0.9	0	0	0	0	0	0
192-213		0.5	0.5	0	0.5	0	0	0	0	0	0	0
214-236		0	0.5	0	0	0	0	0	0	0	0	0
237-258		0.5	0.5	0.9	0	0	0	0	0	0	0	0
259-281		0	0.9	0.5	0	0	0.9	0	0	0	0	0
282-303		0	0	2.4	1.4	1.9	0.9	0	0	0	0	0
304-326		0.5	1.9	9.9	9.9	6.6	4.2	4.7	0.5	0	0	0
327-348		0	0.5	4.2	3.3	4.2	3.3	1.4	0.9	0	0	0

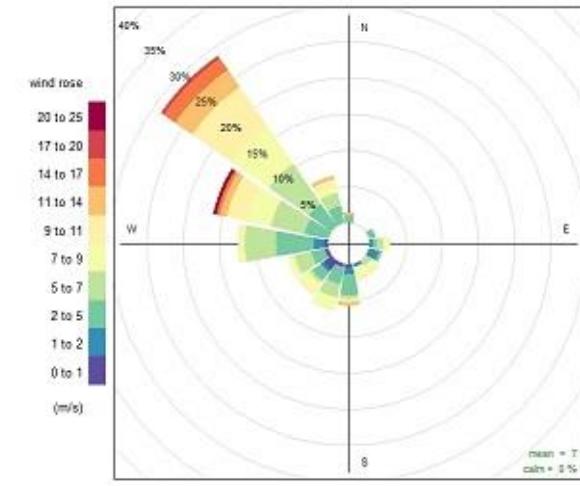


Patiala

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	1	0	0	0	0.5	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	1	0	0	0	0	0	0	0	0
79-101		0	0	0.5	1	1	0	0	0	0	0	0
102-123		0	1.4	0.5	0	0	0	0	0	0	0	0
124-146		0	0	0	1	1	0.5	0	0	0	0	0
147-168		0	0.5	0	0	1.4	0.5	0	0	0	0	0
168-191		0.5	1	2.9	0.5	0	0.5	0.5	0	0	0	0
192-213		0.5	0	2.4	1.9	1.9	0	0	0	0	0	0
214-236		1.4	0.5	1.4	0.5	1.4	0.5	0	0	0	0	0
237-258		0.5	0	1.9	2.4	1	0	0	0	0	0	0
259-281		0.5	1.4	5.3	4.3	0.5	0.5	0	0	0	0	0
282-303		0	0	3.4	4.8	3.4	2.9	1	0.5	0	0.5	0
304-326		0	0	3.8	6.7	6.2	6.7	2.9	1.9	0.5	0	0
327-348		0	0	2.4	1.9	1	1	0.5	0	0	0	0

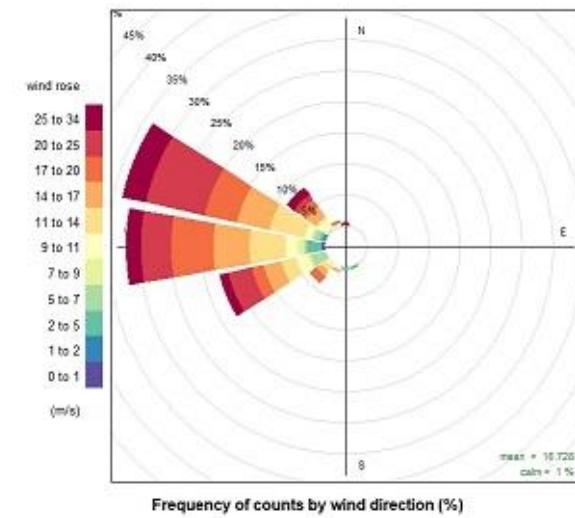


Patiala

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	1	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	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	0.5	0	0	0.5	0	0	0	0	0
192-213		0	0	0	0	0	0.5	0	0	0	0	0
214-236		0	0	0	0	0.5	1	1	1.5	0	0	0
237-258		0	0	0	2.4	0.5	2	2.4	2.9	2	3.9	1.5
259-281		0.5	0	2.4	0.5	1	2	5.9	5.9	6.8	4.9	2.4
282-303		0	0.5	0.5	1	0.5	1	5.9	5.4	5.4	9.8	3.9
304-326		0	0	0	0.5	1.5	0.5	2	1.5	1	1	1.5
327-348		0	0	0	0	0.5	0	0	0.5	0	0	0

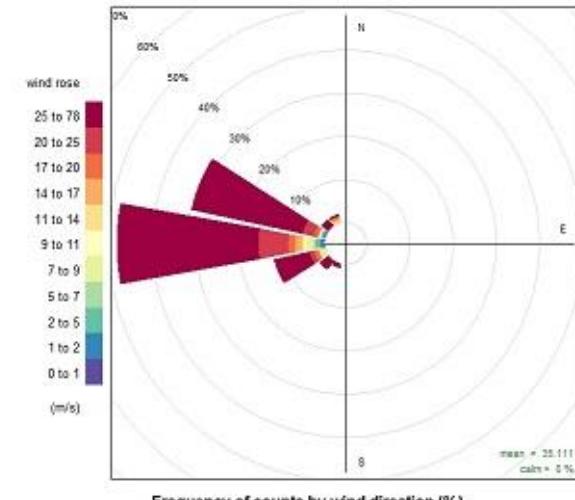


Patiala

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	0	0	0	0	0
168-191		0	0	0	0	0	0	0	0	0	0	0
192-213		0	0	0	0	0	0	0	0	0	0	1.1
214-236		0	0	0	0	0	0	0	0	0	0	2.7
237-258		0	0	0	1.1	0	0.5	0	1.1	1.1	8.5	
259-281		0	1.1	1.1	0.5	1.6	0.5	0.5	1.6	1.6	6.9	33
282-303		0	0.5	0.5	0	0	0.5	0	0	1.1	2.7	26.6
304-326		0	0	0	0	0	0	0	0	0	0	2.1
327-348		0	0	0	0	0	0	0.5	0.5	0	0	0.5

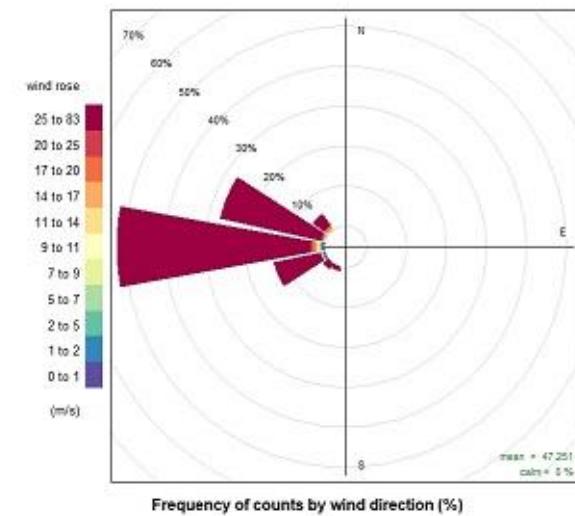


Patiala

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
12-33		0	0	0	0	0	0	0	0	0	0	0
34-56		0	0	0	0	0	0	0	0	0	0	0
57-78		0	0	0	0	0	0	0	0	0	0	0
79-101		0	0	0	0	0	0	0	0	0	0	0
102-123		0	0	0	0	0	0	0	0	0	0	0
124-146		0	0	0	0	0	0	0	0	0	0	0
147-168		0	0	0	0	0	0	0	0	0	0	0
168-191		0	0	0	0	0	0	0	0	0	0	0
192-213		0	0	0	0	0	0	0	0	0	0	1.2
214-236		0	0	0	0	0	0	0	0	0	0	1.8
237-258		0.6	0	0.6	0	0	0	0	0	0	0	12
259-281		0.6	0	0.6	0	0.6	0	0.6	0.6	0.6	0.6	48.8
282-303		0	0	0.6	0	0	0	0	0	0	0.6	25.3
304-326		0	0	0	0	0	0	0.6	0.6	0	0	3.6
327-348		0	0	0	0	0	0	0	0	0	0	0

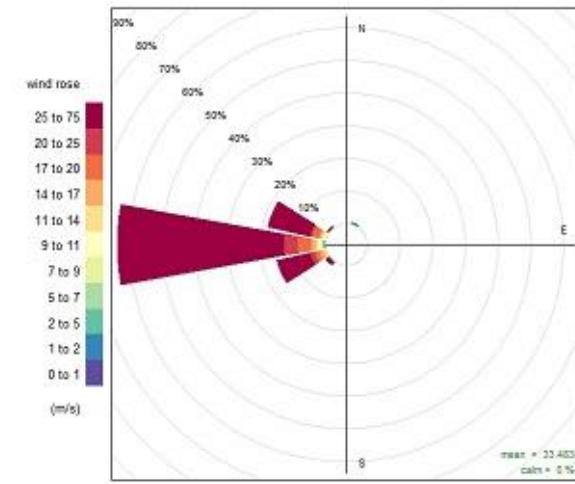


Patiala

December

100 hPa level

Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11		0	0	0	0	0	0	0	0	0	0	0
12-33		0	0.7	0	0	0	0	0	0	0	0	0
34-56		0	0	0	0	0	0	0	0	0	0	0
57-78		0	0	0	0	0	0	0	0	0	0	0
79-101		0	0	0	0	0	0	0	0	0	0	0
102-123		0	0	0	0	0	0	0	0	0	0	0
124-146		0	0	0	0	0	0	0	0	0	0	0
147-168		0	0	0	0	0	0	0	0	0	0	0
168-191		0	0	0	0	0	0	0	0	0	0	0
192-213		0	0	0	0	0	0	0	0	0	0	0
214-236		0	0	0	0	0	0	0	0	0	0	1.4
237-258		0	0	0	0	0	0.7	0.7	1.4	1.4	4.2	10.6
259-281		0	0	0.7	0	0.7	0.7	0.7	1.4	4.2	4.2	51.4
282-303		0	0	0	0	0.7	0.7	0.7	0.7	2.1	0.7	13.4
304-326		0	0	0	0	0	0	0	0	0	0	0.7
327-348		0	0	0	0	0	0	0	0	0	0	0



Patiala

42101

Station height

251

January

PRESSURE	HEIGHT	Hmax	Hmin	TEMP	TMAX	TMIN	DEWPT	DIR	VELO	U	V	VM
SURFACE	986	993	975	7.8	15.4	2.4	6.9	126	0.9	-0.7	0.5	1.6
1000	121	156	73									
950	556	625	425	12.1	27	2	4	112	3.5	-3.2	1.3	5.8
925	779	842	692	11.9	26.4	2.8	1.2	117	3.4	-3	1.5	6.4
900	1010	1094	901	11.4	24.8	2.4	-1.4	121	3.5	-3	1.8	6.2
850	1485	1586	1396	8.9	23.6	0.2	-5.2	134	2.9	-2.1	2	5.9
800	1984	2112	1849	6.1	20.8	-2.9	-7.7	147	2.4	-1.3	2	6
750	2509	2666	2377	2.8	17.2	-6.9	-10.1	164	2.5	-0.7	2.4	6.1
700	3064	3252	2917	-0.6	13.8	-11.5	-12.9	178	3.2	-0.1	3.2	6.6
650	3652	3872	3510	-4.3	9.4	-17.5	-16.1	181	4.7	0.1	4.7	7.8
600	4279	4529	4121	-8.3	4.4	-23.1	-19.2	181	7.3	0.1	7.3	10.1
550	4947	5231	4755	-12.7	-0.3	-24.9	-23.6	181	10.2	0.1	10.2	12.9
500	5669	5985	5465	-17.7	-5.5	-28.3	-27.8	180	13.9	-0.1	13.9	16.5
450	6450	6799	6211	-23.1	-10.1	-33.9	-32.1	180	17.6	0	17.6	20.5
400	7303	7690	7042	-29	-13.1	-40.3	-37.8	179	22.1	-0.4	22.1	25.1
350	8245	8667	7953	-35.7	-16.9	-52.1	-43.9	179	26.8	-0.3	26.8	29.9
300	9302	9754	8976	-42.6	-24.9	-54.1	-51.6	180	30.8	-0.2	30.8	34.3
250	10517	10985	10173	-49.3	-30.7	-61.9	-59.1	181	34	0.5	34	37.3
200	11962	12527	11628	-54.5	-24.1	-70.7	-62.7	181	33.8	0.3	33.8	36.4
175	12811	13449	12474	-57.2	-38.7	-74.1	-63.4	180	32.6	-0.1	32.6	34.6
150	13776	14357	13356	-60	-47.7	-77.5	-59.5	181	29.5	0.3	29.5	31.4
125	14900	15501	14431	-63.5	-51.5	-75.9	-72.5	180	24.6	0.2	24.6	25.9
100	16251	16848	15841	-66.7	-54.1	-78.1		180	19.6	0	19.6	20.6
80	17594	18083	17188	-67.2	-55.3	-80.7		180	13.3	-0.1	13.3	14.3
70	18396	18909	17978	-66.4	-53.6	-77.5		179	10.6	-0.1	10.6	11.6
60	19326	19890	18896	-65	-53.7	-75.1		178	7.2	-0.3	7.2	8.4
50	20449	21054	19982	-62.4	-49.7	-73.7		177	5	-0.3	5	6.7
40	21836	22498	21292	-60	-45.1	-74.7		169	4.1	-0.8	4	5.6
30	23671	24393	23216	-56.9	-44.3	-69.1		174	4.1	-0.4	4.1	5.5
25	24840	25392	24465	-55.9	-41.1	-67.1		171	3.8	-0.6	3.8	5.4
20	26275	26720	25862	-55	-43.3	-69.7		176	2.9	-0.2	2.9	4.9
15	28185	28649	27753	-52.6	-43.7	-66.9		151	2.9	-1.4	2.5	4.3
10	30797	31180	30597	-56	-48.3	-62.9						
7												

FREEZING LEVEL

P	Height	H_max	H_min
708	2997	5210	1520

FIRST TROPOPAUSE

P	Height	Temp
221	11384	-57.1

SECOND TROPOPAUSE

P	Height	Temp
102	16261	-68.8

Patiala

42101

Station height

251

February

PRESSURE	HEIGHT	Hmax	Hmin	TEMP	TMAX	TMIN	DEWPT	DIR	VELO	U	V	VM
SURFACE	983.8	999	971	9.9	18.4	2	8.5	120	0.8	-0.7	0.4	1.9
1000	107	142	59									
950	541	609	435	14.5	25	4.2	5.4	107	3.4	-3.3	1	6.5
925	766	833	667	14.5	28.4	5.6	3.1	110	3.5	-3.3	1.2	6.9
900	997	1104	901	13.2	26.4	2.6	0.2	114	3.4	-3.1	1.4	7.1
850	1475	1581	1371	10.3	23.4	0	-3.9	134	2.9	-2.1	2	6.7
800	1976	2076	1815	7	21.4	-3.7	-6.8	152	3	-1.4	2.6	6.6
750	2503	2585	2387	3.5	16.6	-8.5	-9.3	165	3.5	-0.9	3.4	7
700	3059	3166	2915	-0.3	13	-11.5	-11.9	171	4.3	-0.7	4.2	7.4
650	3648	3785	3501	-4.3	9.4	-15.9	-15.6	172	5.8	-0.8	5.7	8.4
600	4274	4443	4114	-8.4	5.4	-19.7	-19.1	175	7.7	-0.7	7.7	10.1
550	4944	5688	4765	-12.9	1.2	-25.3	-22.8	176	10.2	-0.8	10.2	12.4
500	5663	5905	5457	-17.9	-4.1	-32.2	-27.2	178	13.1	-0.5	13.1	15.2
450	6444	6750	6209	-23.3	-8.7	-42.6	-32.3	178	17.2	-0.7	17.2	19.4
400	7296	7675	7041	-29.2	-15.7	-44.8	-38	176	21.1	-1.4	21.1	23.4
350	8237	8613	7935	-35.7	-18.7	-46.3	-43.7	176	25.6	-2	25.5	27.9
300	9296	9999	8974	-42.6	-24.3	-52.1	-50.9	177	30.4	-1.8	30.3	32.9
250	10507	10939	10162	-49.4	-31.3	-61.1	-58.9	177	33.4	-1.9	33.3	35.9
200	11952	12385	11601	-53.9	-36.9	-68.7	-60.1	178	32	-1.2	32	33.9
175	12803	13229	12438	-56	-41.1	-71.5	-60.2	179	30.6	-0.7	30.6	32.1
150	13770	14202	13395	-59	-46.3	-74.5		180	27.1	-0.2	27.1	28.4
125	14898	15317	14503	-62.7	-50.5	-75.1		181	22.7	0.3	22.7	23.6
100	16254	16750	15848	-65.9	-52.5	-76.9		180	16.8	0.1	16.8	17.6
80	17594	18109	17142	-67.1	-54.1	-79.5		182	11.1	0.3	11.1	11.7
70	18400	18947	17925	-66.5	-53.3	-79.1		183	8.9	0.4	8.9	9.5
60	19338	19904	18836	-64.9	-50.5	-75.5		182	6.9	0.2	6.9	7.8
50	20459	21057	19922	-62.1	-48.7	-72.7		177	4.5	-0.2	4.5	5.8
40	21842	22435	21272	-59.2	-45.9	-71.1		180	3.3	0	3.3	4.9
30	23681	24183	23044	-55.2	-42.9	-65.7		179	4.2	-0.1	4.2	5.2
25	24858	25422	24272	-53.8	-40.1	-65.7		176	3.9	-0.3	3.9	4.6
20	26347	26904	25738	-50.6	-36.9	-62.7		174	2.7	-0.3	2.7	2.9
15	28167	28519	27740	-50.8	-44.7	-61.1						
10	30714	30974	30364	-51.2	-42.7	-58.7						
7												

FREEZING LEVEL

P	Height	H_max	H_min
704	3035	5340	1430

FIRST TROPOPAUSE

P	Height	Temp
229	11148	-55.7

SECOND ROPOPAUSE

P	Height	Temp
99	16498	-67.9

Patiala

42101

Station height

251

March

PRESSURE	HEIGHT	Hmax	Hmin	TEMP	TMAX	TMIN	DEWPT	DIR	VELO	U	V	VM
SURFACE	980.6	990	936	14.1	26.6	5.4	12	119	1	-0.9	0.5	2
1000	75	137	10									
950	518	601	413	19.4	31.8	6	8.8	102	3.8	-3.7	0.8	7.1
925	747	829	656	19.7	32.2	5.4	6.1	108	3.8	-3.6	1.2	7.7
900	983	1077	901	18.2	31.8	4	3	114	3.7	-3.4	1.5	7.6
850	1469	1570	1390	15.1	28.4	-1.3	-0.6	135	3.5	-2.5	2.5	7.4
800	1979	2071	1897	11.4	26.2	-7.1	-3.6	149	4.1	-2.1	3.5	7.6
750	2515	2605	2410	7.5	22.2	-10.5	-6.5	158	4.8	-1.8	4.4	8.1
700	3078	3178	2916	3.4	18.4	-10.3	-9.1	163	5.5	-1.6	5.3	8.6
650	3674	3794	3539	-1	12.6	-10.7	-12.6	168	6.4	-1.3	6.3	9.3
600	4308	4455	4155	-5.5	8	-14.9	-16.1	174	7.7	-0.8	7.7	10.4
550	4985	5163	4818	-10.1	3.8	-21.3	-20.5	177	9.5	-0.5	9.5	12.3
500	5712	5923	5521	-15.2	-0.3	-28.1	-25.6	180	11.9	0	11.9	14.7
450	6500	6746	6276	-20.8	-4.9	-35.5	-31.2	180	14.8	0	14.8	17.7
400	7359	7647	7103	-27.2	-13.9	-41.4	-36.9	179	17.6	-0.2	17.6	20.6
350	8307	8643	8017	-34.2	-18.3	-45.9	-43.1	179	21	-0.5	21	24.4
300	9371	9750	9040	-41.8	-24.3	-53.7	-51	179	25.5	-0.6	25.5	29.2
250	10584	11031	10211	-49.5	-29.9	-63.3	-60	179	29	-0.5	29	32.7
200	12022	12584	11635	-54.8	-37.7	-73.1	-65.3	179	30.5	-0.6	30.5	33.4
175	12872	13496	12484	-56.8	-42.3	-71.5	-60.2	180	29.7	-0.1	29.7	31.9
150	13837	14521	13460	-59.7	-45.5	-74.1	-60.1	180	28.1	-0.2	28.1	29.6
125	14955	15504	14598	-63.6	-46.9	-77.1		180	24.2	0	24.2	25.3
100	16305	16846	15948	-66.8	-47.3	-79.3		181	16.5	0.3	16.5	17.3
80	17640	18179	17240	-67.5	-50.9	-79.1		180	10.7	0	10.7	11.6
70	18440	18984	18000	-66.7	-53	-78.9		177	7.9	-0.4	7.9	8.7
60	19374	19941	18907	-64.4	-50.6	-79.5		172	5.1	-0.7	5.1	6.7
50	20496	21092	19970	-60.9	-43.1	-75.9		165	3.5	-0.9	3.4	5.6
40	21895	22548	21319	-57.4	-44.5	-71.7		157	2.5	-1	2.3	4.1
30	23764	24461	23282	-53	-38.7	-65.3		164	3.5	-1	3.4	4.8
25	24951	25640	24423	-51.1	-41.9	-60.7		162	2	-0.6	1.9	3.4
20	26402	27380	25817	-48.9	-39.9	-59.3		169	3.2	-0.6	3.1	3.7
15	28291	28852	27817	-46.8	-35.7	-56.9		180	3.6	0	3.6	3.8
10	30751	30751	30751	-51.9	-51.9	-51.9						
7												

FREEZING LEVEL

P	Height	H_max	H_min
662	3535	5870	1640

FIRST TROPOPAUSE

P	Height	Temp
219	11473	-57.7

SECOND TROPOPAUSE

P	Height	Temp
101	16322	-68.7

Patiala

42101

Station height

251

April

PRESSURE	HEIGHT	Hmax	Hmin	TEMP	TMAX	TMIN	DEWPT	DIR	VELO	U	V	VM
SURFACE	976.8	985	967	19.1	28.4	11	13.9	98	0.7	-0.7	0.1	1.8
1000	53	144	-1									
950	489	581	400	24.3	36.2	13.6	9.8	92	3.3	-3.3	0.1	6.6
925	724	808	629	25.1	37	13.8	6.8	94	2.9	-2.9	0.2	7.2
900	962	1040	889	23.4	36.6	11	5.1	108	3.3	-3.1	1	7.2
850	1457	1539	1390	20	35.8	7.8	1.8	131	3.5	-2.6	2.3	7.1
800	1975	2068	1908	16.1	27.2	3	-1.3	145	4.4	-2.5	3.6	7.4
750	2519	2622	2442	11.9	24.8	-0.3	-4.6	152	5.3	-2.5	4.7	8.2
700	3091	3204	3000	7.2	21.2	-3.3	-7.1	156	6.2	-2.5	5.7	9
650	3695	3820	3582	2.4	17.8	-8.7	-10.6	160	6.8	-2.3	6.4	9.8
600	4337	4471	4200	-2.3	12.4	-13.5	-14.1	164	7.5	-2	7.2	10.6
550	5021	5190	4861	-7.2	6.8	-18.7	-18.3	168	8.2	-1.7	8	11.4
500	5757	5965	5574	-12.4	0.2	-23.3	-23.3	173	9.5	-1.2	9.4	12.4
450	6553	6798	6348	-18.1	-6.3	-30.3	-28.5	175	11.2	-1	11.2	14.2
400	7422	7709	7187	-24.6	-11.3	-38.7	-34.1	176	13.5	-0.9	13.5	16.6
350	8380	8710	8108	-31.8	-17.5	-46.9	-40.7	175	16.2	-1.3	16.1	19.3
300	9453	9845	9135	-39.8	-22.9	-53.7	-48.5	175	19.1	-1.8	19	22.4
250	10676	10996	10318	-48.1	-30.3	-66.5	-57.4	176	22.6	-1.4	22.6	26
200	12120	12663	11739	-54.2	-35.7	-69.5	-62.3	178	26	-0.8	26	28.7
175	12970	13546	12570	-56.5	-44.3	-71.1	-61.4	179	26.3	-0.6	26.3	28.6
150	13937	14538	13514	-59.3	-48.1	-71.9	-65.3	178	24.6	-0.7	24.6	26.3
125	15063	15702	14625	-63.1	-50.5	-76.3	-60.3	179	20.7	-0.3	20.7	21.9
100	16418	17000	15970	-66.9	-46.1	-79.7		178	14.9	-0.6	14.9	15.9
80	17758	18307	17314	-67.7	-51.1	-82.9		178	8.8	-0.3	8.8	10.1
70	18562	19124	18094	-66.3	-53.5	-80.7		176	5.6	-0.4	5.6	7.6
60	19390	19992	18996	-63.5	-47.5	-76.5		167	3.5	-0.8	3.4	6.2
50	20628	21185	20083	-59.5	-42.5	-71.7		144	1.7	-1	1.4	4.9
40	22040	22618	21428	-55.1	-38.5	-65.5		129	1.3	-1	0.8	4.6
30	23897	24505	23362	-50.9	-33.7	-61.1		149	2.3	-1.2	2	5.5
25	25082	25763	24523	-49.3	-35.5	-59.5		155	2.6	-1.1	2.4	5.5
20	26564	27210	25987	-46.8	-34.3	-58.9		168	4.3	-0.9	4.2	5.8
15	28517	29044	27875	-44.3	-31.3	-54.5		160	6.1	-2.1	5.7	6.9
10	31383	31815	30948	-41.2	-36.3	-49.1		81	0.6	-0.6	-0.1	0.6
7	33704	34114	33294	-42.1	-37.1	-47.1						

FREEZING LEVEL

P	Height	H_max	H_min
624	4019	6010	2170

FIRST TROPOPAUSE

P	Height	Temp
209	11852	-58.3

SECOND TROPOPAUSE

P	Height	Temp
101	16482	-68.8

Patiala

42101

Station height

251

May

PRESSURE	HEIGHT	Hmax	Hmin	TEMP	TMAX	TMIN	DEWPT	DIR	VELO	U	V	VM
SURFACE	972.8	983	960	24.1	33.8	15.8	17.1	37	0.5	-0.3	-0.4	1.9
1000	8	31	-13									
950	457	576	339	27.3	40	16	13.3	54	1.7	-1.4	-1	6.3
925	692	772	578	28.2	41	16.4	10.1	75	1.1	-1.1	-0.3	7.1
900	936	1019	825	26.9	40	14.4	9	98	1.5	-1.5	0.2	7
850	1437	1521	1334	23.6	35.4	9	6.3	138	2.5	-1.7	1.9	6.5
800	1962	2049	1849	19.8	31	8.4	3.6	146	4.1	-2.3	3.4	6.8
750	2513	2617	2395	15.4	25.4	4.2	0.5	151	5.5	-2.7	4.8	7.8
700	3093	3215	2964	10.8	22.6	0.2	-3	149	6.9	-3.5	5.9	8.9
650	3704	3846	3569	5.9	18.8	-4.7	-7	150	8.1	-4.1	7	10.2
600	4354	4522	4212	1	15	-8.3	-11.2	149	8.8	-4.5	7.6	11
550	5047	5244	4894	-4	7.8	-18.1	-15.8	152	9.2	-4.3	8.1	11.5
500	5792	6025	5612	-9.1	4.4	-21.3	-20.8	155	9.4	-3.9	8.5	11.8
450	6598	6872	6398	-14.4	-0.5	-26.9	-26.5	162	10.6	-3.3	10.1	13
400	7481	7787	7261	-20.5	-5.3	-32.5	-32	166	12.2	-2.9	11.9	14.7
350	8457	8788	8200	-27.2	-8.9	-40.7	-37.7	168	15.4	-3.1	15.1	17.8
300	9552	9927	9252	-34.3	-17.5	-49.9	-45.5	170	18.4	-3.1	18.1	20.8
250	10807	11266	10422	-42.1	-27.3	-56.3	-53.2	174	21.9	-2.3	21.8	24.5
200	12289	12828	11843	-50.3	-37.1	-63.1	-57.1	177	23.1	-1.1	23.1	25.5
175	13151	13732	12680	-54.3	-25.9	-64.9	-59.6	178	23.5	-1	23.5	25.4
150	14128	14748	13631	-58.9	-45.5	-69.7	-69.1	179	20.8	-0.2	20.8	22.4
125	15260	15914	14798	-63.8	-50.1	-73.9		181	17.3	0.3	17.3	18.6
100	16608	17299	16026	-68.5	-55.7	-79.1		182	11.1	0.4	11.1	12.7
80	17940	18653	17342	-68.9	-54	-82.1		178	5.6	-0.2	5.6	8.1
70	18742	19462	18134	-66.9	-47.5	-78.7		165	2.8	-0.7	2.7	6.3
60	19297	19998	19077	-63.3	-43.3	-75.5		72	0.6	-0.6	-0.2	6
50	20816	21519	20192	-58.8	-39.8	-71.7		12	1.9	-0.4	-1.9	5.5
40	22237	22954	21632	-53.9	-35.9	-67.7		6	2.7	-0.3	-2.7	5.3
30	24101	24847	23559	-49.2	-36.3	-64.3		24	2.2	-0.9	-2	5.6
25	25289	26057	24720	-47	-37.1	-62.7		29	1.8	-0.9	-1.6	5.2
20	26778	27438	26155	-44.4	-32.5	-61.1		29	1.3	-0.6	-1.1	5.2
15	28685	29295	28028	-42.4	-34.5	-51.1		34	1.1	-0.6	-0.9	5.7
10	31406	31945	30865	-39.7	-31.9	-46.1		63	0.2	-0.2	-0.1	5.5
7	33906	34440	33263	-38.8	-32.7	-43.5		9	1.8	-0.3	-1.8	13

FREEZING LEVEL

P	Height	H_max	H_min
590	4495	6670	3090

FIRST TROPOPAUSE

P	Height	Temp
195	12451	-57.1

SECOND TROPOPAUSE

P	Height	Temp
99	16775	-70.4

Patiala

42101

Station height

251

June

PRESSURE	HEIGHT	Hmax	Hmin	TEMP	TMAX	TMIN	DEWPT	DIR	VELO	U	V	VM
SURFACE	969.2	979	961	26.8	33.4	19.4	21.8	346	0.8	0.2	-0.8	2
1000	-5	32	-41									
950	426	509	311	28.1	36.6	18	19.1	350	1.7	0.3	-1.7	6.3
925	665	742	595	28.3	39	17.6	16.7	324	1.4	0.8	-1.1	6.8
900	906	987	811	27.6	37	13.8	14.9	270	0.5	0.5	0	6.6
850	1411	1503	1318	24.6	34.4	11	11.6	173	1.6	-0.2	1.6	6.1
800	1939	2044	1833	21	36.6	8.8	8.9	153	3.4	-1.5	3	6.2
750	2493	2610	2373	17	39.6	5.8	5.6	146	4.6	-2.6	3.8	6.8
700	3077	3239	2933	12.6	31.4	1.4	2.1	142	5.3	-3.3	4.2	7.4
650	3694	3896	3527	8.1	24.6	-2.1	-2.6	140	5.6	-3.6	4.3	7.7
600	4350	4587	4162	3.4	18.4	-7.9	-7.2	136	5.7	-3.9	4.1	7.8
550	5048	5322	4150	-1	11.8	-12.1	-12.2	139	5.8	-3.8	4.4	8
500	5803	6108	5592	-5.3	6.4	-17.1	-16.1	147	5.6	-3	4.7	8.2
450	6624	6955	6411	-9.6	3.4	-21.1	-20.7	162	6.2	-1.9	5.9	9.3
400	7525	7877	7040	-14.3	-2.7	-27.1	-25.5	173	8.2	-1	8.1	11.5
350	8528	8908	8033	-19.8	-4.3	-34.9	-30.9	176	10.7	-0.7	10.7	14
300	9641	9971	9153	-26.8	-8.9	-43.3	-38	179	12.9	-0.3	12.9	15.7
250	10949	11408	10429	-35.5	-19.9	-52.3	-46.1	183	14.3	0.7	14.3	17.2
200	12466	12976	11968	-46.4	-31.9	-60.9	-56.2	186	14.1	1.5	14	16.7
175	13339	13896	12800	-52.8	-39.5	-63.7	-60.6	186	13.4	1.3	13.3	15.7
150	14315	14933	13755	-59.4	-47.9	-69.7		185	12	1.1	11.9	14.4
125	15434	16112	14871	-66.5	-52.9	-78.3		184	9.1	0.7	9.1	11.5
100	16764	17471	16224	-72	-56.3	-82.6		174	4.6	-0.5	4.6	8.2
80	18075	18785	17562	-71.4	-52.3	-83.1		47	1.8	-1.3	-1.2	7.1
70	18872	19586	18357	-68.3	-48.9	-81.7		17	4.7	-1.4	-4.5	7.7
60	18382	20114	19290	-63.8	-44.1	-80.3		6	7.2	-0.8	-7.2	8.5
50	20937	21677	20349	-58.4	-19.1	-81		5	8.7	-0.7	-8.7	9.8
40	22355	23116	21632	-53.2	-36.3	-73.7		6	9.1	-1	-9	10
30	24217	25019	23332	-48.5	-32.3	-68.7		9	8.6	-1.4	-8.5	9.8
25	25405	25927	24431	-46.5	-28.4	-65.9		6	8.9	-0.9	-8.9	10
20	26874	27478	25798	-44.5	-26.5	-62.7		3	8.6	-0.4	-8.6	10.4
15	28772	29361	27579	-43.1	-33.1	-60.3		3	8.5	-0.5	-8.5	10.5
10	31460	32185	30112	-41.6	-34.1	-59.3		3	6.9	-0.4	-6.9	7.7
7	34021	34386	33504	-38.1	-29.5	-43.5		26	16.9	-7.4	-15.2	17.7

FREEZING LEVEL

P	Height	H_max	H_min
560	4925	6690	3130

FIRST TROPOPAUSE

P	Height	Temp

SECOND TROPOPAUSE

P	Height	Temp
99	16896	-73.7

Patiala

42101

Station height

251

July

PRESSURE	HEIGHT	Hmax	Hmin	TEMP	TMAX	TMIN	DEWPT	DIR	VELO	U	V	VM
SURFACE	969.2	976	961	27.2	32.6	22.2	25.2	339	0.9	0.3	-0.8	1.4
1000	-20	50	-51									
950	426	536	351	27.2	37.6	20.3	23.8	327	2	1.1	-1.7	4.8
925	662	719	587	26.5	34.4	14	21.9	304	2.2	1.8	-1.2	5.6
900	905	1012	831	25.6	36.8	13	20.4	289	1.8	1.7	-0.6	5.6
850	1406	1513	1317	22.8	33.2	9.6	17.6	257	1.3	1.3	0.3	5.7
800	1933	2036	1862	19.6	29.4	10	14.8	197	1	0.3	1	5.8
750	2486	2593	2401	16.2	28	5.8	11.5	150	1.6	-0.8	1.4	6.1
700	3070	3167	2966	12.7	25.6	3.4	7.5	127	2	-1.6	1.2	5.9
650	3689	3801	3569	9.2	20.7	0	3	118	2.1	-1.9	1	5.6
600	4349	4477	4207	5.6	14.6	-2.9	-1.9	124	1.8	-1.5	1	5.1
550	5056	5211	4895	1.7	15.7	-7.9	-6.2	148	1.3	-0.7	1.1	4.7
500	5819	6009	5635	-2.2	8.4	-12.9	-10.5	197	1.4	0.4	1.3	4.7
450	6649	6876	6443	-6.2	3.4	-15.1	-14.8	213	2	1.1	1.7	5.3
400	7563	7828	7342	-11	-1.5	-20.1	-20	211	2.7	1.4	2.3	6.1
350	8578	8882	8343	-17	-7.3	-29.5	-26.8	207	3.7	1.7	3.3	6.9
300	9674	9994	9484	-24.5	-13.9	-34.1	-34	207	4.2	1.9	3.8	7.3
250	11022	11382	10764	-34	-20.3	-47.5	-43.1	211	4.4	2.3	3.8	7.8
200	12546	12973	12242	-46.2	-30.9	-64.3	-55.1	211	4.2	2.2	3.6	8.5
175	13417	13888	13072	-53.3	-36.9	-71.1	-58.8	207	3.5	1.6	3.1	8.6
150	14393	14904	14011	-60.5	-43.2	-76.7	-65.1	205	2.3	1	2.1	8.4
125	15505	16063	15076	-67.7	-42.3	-78.7	-75.5	45	0.7	-0.5	-0.5	7.9
100	16821	17436	16388	-73	-59.4	-80.5		31	5.4	-2.8	-4.6	8.7
80	18125	18779	17655	-71	-53.8	-80.1		18	9.5	-2.9	-9	11.2
70	18923	19593	18429	-67.5	-50.5	-78.3		11	11.2	-2.2	-11	12.4
60	18029	20043	19348	-63.1	-47.5	-75.7		7	12.3	-1.4	-12.2	13.4
50	20986	21563	20363	-58.2	-41.3	-71.3		6	12.9	-1.3	-12.8	14
40	22399	23004	21754	-54.1	-39.9	-66.1		8	13.8	-2	-13.7	15
30	24242	24909	23042	-50.1	-37.6	-65.3		5	15.8	-1.3	-15.7	17
25	25431	26165	24792	-48.1	-35.2	-61.3		4	15.9	-1.1	-15.9	17.1
20	26901	27726	26214	-46.1	-31.5	-60.1		4	15.6	-1.2	-15.6	17
15	28800	29545	28075	-44.2	-31.7	-57.5		1	15	-0.3	-15	16.6
10	31563	32278	30722	-42.7	-27.9	-56.5		3	10.3	-0.5	-10.3	10.7
7	33979	34172	33859	-41.8	-36.3	-49.9		11	16.9	-3.1	-16.6	17

FREEZING LEVEL

P	Height	H_max	H_min
528	5397	6950	3930

FIRST TROPOPAUSE

P	Height	Temp

SECOND TROPOPAUSE

P	Height	Temp
103	16727	-74.6

Patiala

42101

Station height

251

August

PRESSURE	HEIGHT	Hmax	Hmin	TEMP	TMAX	TMIN	DEWPT	DIR	VELO	U	V	VM
SURFACE	971.1	978	943	26.4	32.4	22	25.3	349	0.5	0.1	-0.5	1.1
1000	-4	34	-47									
950	442	503	316	26.5	34.2	20	23.8	311	1.1	0.8	-0.7	4.3
925	680	739	598	25.9	35.8	16.6	21.5	276	1	1	-0.1	5.2
900	920	981	809	24.9	33.4	16	20.7	264	0.9	0.9	0.1	5.1
850	1421	1486	1295	22.1	29.8	13.4	17.6	201	0.9	0.3	0.8	5.5
800	1946	2108	1859	19	27	10.2	14.6	148	1.3	-0.7	1.1	5.6
750	2498	2584	2404	15.8	24	5.6	11.1	126	1.9	-1.5	1.1	5.4
700	3081	3185	2975	12.5	21.3	0.1	7.1	118	1.7	-1.5	0.8	5.2
650	3701	3823	3575	9.2	17.2	-1.1	2.5	104	1.6	-1.6	0.4	5
600	4360	4502	4216	5.7	18	-5.1	-2.2	111	1.4	-1.3	0.5	4.8
550	5068	5233	4903	1.9	10.4	-8.1	-6.2	162	0.6	-0.2	0.6	4.4
500	5831	6019	5640	-2	6.2	-12.3	-10.1	218	1.1	0.7	0.9	4.6
450	6662	6874	6439	-6.2	2.2	-16.3	-15.4	225	2	1.4	1.4	5.3
400	7575	7812	7324	-11.3	-2.5	-20.7	-20.8	219	2.7	1.7	2.1	6
350	8588	8846	8317	-17.4	-7.1	-28.9	-26.7	209	3.5	1.7	3.1	6.6
300	9713	9990	9438	-25	-15.5	-40.7	-34.1	207	4.5	2	4	7.4
250	11027	11337	10708	-34.6	-24.5	-52.9	-42.9	207	5.1	2.3	4.5	8.3
200	12546	12911	12105	-46.7	-35.9	-66.3	-54.9	212	4.9	2.6	4.2	8.8
175	13416	13850	12904	-53.9	-39.8	-71.7	-59.6	213	4.5	2.5	3.8	9
150	14385	14807	13801	-61.6	-44.5	-76.3	-62.7	212	3.6	1.9	3	8.4
125	15490	15946	14862	-68.9	-43.2	-80.5		207	1.1	0.5	1	7.1
100	16799	17315	16232	-73.5	-54.9	-84.9		26	3.4	-1.5	-3.1	6.9
80	18100	18636	17620	-71.5	-51.1	-88.3		12	7.6	-1.6	-7.4	8.8
70	18890	19456	18472	-67.6	-51.3	-80.3		7	9.5	-1.1	-9.4	10.2
60	18366	20185	19402	-63	-45.9	-78.9		3	10.2	-0.5	-10.2	10.8
50	20963	21578	20528	-58.4	-39.1	-77.1		5	11	-0.9	-11	11.7
40	22378	23014	21919	-54.5	-40.5	-68.1		5	12.1	-1.1	-12	12.5
30	24233	24895	23722	-50.6	-34.3	-63.4		2	14.2	-0.5	-14.2	14.5
25	25430	26100	24874	-48.4	-28.3	-59.9		360	14.5	0.1	-14.5	14.7
20	26901	27580	26305	-46.1	-34.1	-54.9		358	14.6	0.6	-14.6	14.9
15	28836	29515	28200	-44.1	-32.8	-53.9		357	11.7	0.6	-11.7	11.8
10	31522	32183	30855	-41.4	-30.2	-50.1		4	12.6	-0.9	-12.6	12.8
7	33751	34044	33394	-43.2	-39.3	-47.1		12	7.3	-1.5	-7.1	7.2

FREEZING LEVEL

P	Height	H_max	H_min
526	5446	7060	3410

FIRST TROPOPAUSE

P	Height	Temp

SECOND TROPOPAUSE

P	Height	Temp
103	16636	-75.3

Patiala

42101

Station height

251

September

PRESSURE	HEIGHT	H max	H min	TEMP	TMAX	TMIN	DEWPT	DIR	VELO	U	V	VM
SURFACE	975.4	987	965	24	28.8	17	22.9	45	0.1	-0.1	-0.1	1
1000	33	77	-14									
950	480	557	385	25.5	34.4	18.2	20.8	84	1	-1	-0.1	4.5
925	717	777	615	25.4	36	17.4	18.3	95	1.1	-1.1	0.1	5.2
900	956	1021	866	24.4	34.2	15.8	16.6	113	1.5	-1.4	0.6	4.9
850	1455	1523	1360	21.4	31	11.8	13.3	127	2.1	-1.7	1.3	5.3
800	1978	2049	1880	18.1	28.6	9.6	9.1	134	2.8	-2	1.9	5.9
750	2527	2616	2423	14.6	25.6	6.3	4.9	134	3	-2.2	2.1	6
700	3107	3215	3002	10.9	22.4	2.8	0.6	128	2.8	-2.2	1.7	5.9
650	3720	3850	3615	7	18.2	-2.7	-3.5	124	2.2	-1.8	1.2	5.6
600	4373	4533	4241	2.9	15	-5.9	-7.4	142	1.8	-1.1	1.4	5.3
550	5072	5266	4941	-1	10.6	-9.9	-11.5	180	1.8	0	1.8	5.5
500	5827	6057	5684	-5	6.8	-19.1	-15.8	205	2.9	1.2	2.6	6
450	6648	6913	6482	-9.5	2.4	-20.7	-20.7	201	4.8	1.7	4.5	7.7
400	7550	7855	7364	-14.7	-2.3	-26.9	-26.7	199	6.8	2.2	6.4	9.5
350	8549	8903	8301	-20.9	-7.9	-33.5	-32.6	196	9.1	2.5	8.8	11.6
300	9657	9955	9361	-28.3	-14.3	-37.9	-40.6	195	11.1	2.8	10.7	13.3
250	10955	11446	10639	-37.5	-24.3	-47.7	-49.5	195	12.4	3.3	12	14.5
200	12456	13034	12104	-49	-33.8	-60.3	-61.5	195	12.5	3.2	12.1	14.5
175	13320	13949	12967	-55.6	-42.5	-66.1	-54.6	194	12	2.9	11.6	13.9
150	14279	14973	13886	-62.7	-48.7	-73.3	-60	193	10.3	2.3	10	12.2
125	15376	16154	14953	-69.4	-51.4	-81.7	-85.9	189	8	1.2	7.9	10.1
100	16677	17202	16272	-73.3	-61.9	-83.1		174	4	-0.4	4	7.2
80	17985	18540	17518	-70.3	-55.5	-84.1		69	1.4	-1.3	-0.5	5.6
70	18783	19347	18267	-66.6	-52.1	-79.5		21	2.8	-1	-2.6	5.7
60	19398	19995	19153	-62.2	-48.1	-74.5		11	4.4	-0.8	-4.3	6
50	20856	21427	20224	-57.9	-42.1	-69.3		8	5	-0.7	-5	6.4
40	22277	22881	21752	-54	-40.7	-63.3		7	6.4	-0.8	-6.4	7.4
30	24137	24724	23552	-50.1	-34.7	-60.9		4	7.7	-0.5	-7.7	8.7
25	25321	25923	24705	-48.2	-29.5	-59.9		3	8.4	-0.4	-8.4	9.3
20	26812	27324	26133	-45.8	-30.6	-58.3		358	8.2	0.3	-8.2	9.4
15	28716	29278	27997	-45	-27.4	-56.9		354	7	0.7	-7	8.8
10	31371	31918	30920	-42.5	-22	-54.3		358	6.9	0.2	-6.9	9.4
7	33466	33927	32552	-42.1	-21.6	-52.1		2	5.2	-0.2	-5.2	8.2

FREEZING LEVEL

P	Height	H max	H min
561	4928	6680	3410

FIRST TROPOPAUSE

P	Height	Temp

SECOND TROPOPAUSE

P	Height	Temp
106	16342	-74.6

Patiala

42101

Station height

251

October

PRESSURE	HEIGHT	H max	H min	TEMP	TMAX	TMIN	DEWPT	DIR	VELO	U	V	VM
SURFACE	980.8	989	972	17.5	25.6	10	16.1	90	0.3	-0.3	0	1
1000	81	134	11									
950	524	595	439	22.6	33	11.6	12.4	92	2.4	-2.4	0.1	4.9
925	758	822	683	23.2	35	11	9.1	101	2.5	-2.5	0.5	5.2
900	994	1055	904	21.8	34	11	6.8	111	3.1	-2.9	1.1	5.5
850	1487	1555	1406	18.8	28.8	9.2	2.4	124	3.4	-2.8	1.9	5.8
800	2004	2087	1917	15.3	24.8	7.6	-1.5	133	3.5	-2.6	2.4	6
750	2546	2643	2461	11.4	20.8	3	-5.4	135	3.7	-2.6	2.6	6.4
700	3118	3225	3012	7.2	17.7	-1.1	-8.7	134	3.7	-2.7	2.6	6.5
650	3722	3836	3617	2.8	16.2	-7.5	-12.5	138	3.8	-2.5	2.8	6.5
600	4365	4485	4266	-1.3	11.6	-13.1	-16	150	3.8	-1.9	3.3	6.6
550	5053	5178	4937	-5.6	4.4	-16.7	-20.6	163	4.7	-1.4	4.5	7.4
500	5794	5932	5652	-10.3	2.6	-21.1	-25.2	172	6.9	-1	6.8	9.3
450	6596	6760	6424	-15.6	-3.7	-27.3	-30.8	177	10.1	-0.5	10.1	12.7
400	7476	7693	7274	-21.5	-8.3	-34.3	-36	179	13.4	-0.2	13.4	16.4
350	8446	8750	8220	-28	-13.5	-40.1	-42.1	181	17.9	0.2	17.9	21
300	9538	9875	9253	-35.1	-20.9	-49.3	-49.3	183	22.5	1	22.5	25.6
250	10790	11161	10435	-42.9	-28.1	-58.1	-55.9	184	26.6	1.8	26.5	29.3
200	12264	12723	11835	-52	-38.5	-65.5	-63.9	187	27	3.3	26.8	29.2
175	13120	13615	12664	-57	-41.7	-72.5		186	25.1	2.8	24.9	27.1
150	14079	14614	13614	-62.4	-51.7	-72.7		186	22.3	2.3	22.2	23.7
125	15177	15768	14722	-67.5	-52.6	-77.3		184	18.6	1.2	18.6	19.5
100	16494	16931	16077	-70.2	-46.3	-80.9		182	12.7	0.5	12.7	13.6
80	17821	18249	17451	-68	-51.3	-81.3		173	6.7	-0.8	6.7	8.2
70	18629	19066	18261	-65.5	-49.1	-80.1		173	4.2	-0.5	4.2	6.3
60	19477	19998	19167	-61.9	-46.1	-74.3		157	2.3	-0.9	2.1	5.3
50	20709	21157	20237	-58.6	-43.7	-73.3		145	1.2	-0.7	1	4.8
40	22120	22644	21556	-55.3	-40.1	-70.1		111	0.9	-0.8	0.3	4.8
30	23977	24581	23443	-51.4	-37.1	-60.1		122	0.9	-0.8	0.5	5
25	25175	25819	24606	-49.3	-38.1	-59.1		140	0.8	-0.5	0.6	5.2
20	26659	27217	26091	-47.4	-39.5	-56.7		98	0.7	-0.7	0.1	5.6
15	28547	29146	27948	-45.4	-37.3	-51.9		100	1.1	-1.1	0.2	6.3
10	31299	31756	30929	-43	-40.5	-48.3		176	4.1	-0.3	4.1	8.3
7	33553	33661	33445	-43.7	-43.3	-44.1		195	16.7	4.4	16.1	17.5

FREEZING LEVEL

P	Height	H max	H min
615	4193	6070	2970

FIRST TROPOPAUSE

P	Height	Temp

SECOND TROPOPAUSE

P	Height	Temp
109	16050	-71.4

Patiala

42101

Station height

251

November

PRESSURE	HEIGHT	H max	H min	TEMP	TMAX	TMIN	DEWPT	DIR	VELO	U	V	VM
SURFACE	984.5	991	977	12	21.2	3.6	10.7	121	0.6	-0.5	0.3	1
1000	112	149	76									
950	550	609	469	18.8	28	9.6	6.9	107	3.4	-3.2	1	5.2
925	778	836	693	19	29.2	9.6	4.1	111	3.1	-2.9	1.1	5.8
900	1013	1079	955	17.8	29	8.6	1.5	117	3.7	-3.3	1.7	5.8
850	1499	1574	1413	15	26.8	6.2	-2.7	131	3.5	-2.6	2.3	5.9
800	2009	2085	1911	11.9	24.2	3	-6	134	3.5	-2.5	2.4	5.9
750	2545	2632	2469	8.4	20.8	-2.7	-8.7	139	3.5	-2.3	2.6	6.1
700	3111	3223	3011	4.9	17.3	-5.9	-11.9	146	3.6	-2	3	6.5
650	3710	3846	3608	1	12.4	-10.3	-15.9	157	4	-1.6	3.7	6.9
600	4349	4505	4217	-3.2	8.1	-13.1	-19	167	5.4	-1.2	5.3	7.9
550	5031	5207	4900	-7.6	3.4	-16.9	-22.7	172	7.5	-1.1	7.4	9.9
500	5766	5968	5622	-12.6	-1.1	-23.1	-26.8	175	10.4	-1	10.4	12.9
450	6562	6793	6398	-18.2	-6.1	-28.1	-32.3	176	13.7	-1	13.7	16.4
400	7431	7693	7236	-24.6	-10.7	-35.3	-37.3	177	17.8	-1	17.8	20.6
350	8390	8680	8157	-31.5	-17.1	-42.3	-42.6	177	21.6	-1	21.6	24.7
300	9465	9783	9198	-39	-23.7	-52.1	-49.9	179	25.5	-0.6	25.5	28.8
250	10694	11045	10404	-46.9	-30.5	-59.9	-57.7	180	29.8	-0.2	29.8	32.8
200	12144	12593	11792	-54.6	-39.7	-69.9	-65.7	181	32	0.6	32	34.2
175	12990	13495	12614	-58.3	-45.5	-74.5		182	31.5	1	31.5	33.3
150	13949	14510	13557	-62	-51.7	-75.5		182	28.6	1.1	28.6	29.9
125	15054	15684	14605	-65.9	-53.5	-78.1		182	25.7	0.8	25.7	26.6
100	16392	17122	15970	-68.5	-51.1	-77.1		181	18.7	0.3	18.7	19.4
80	17728	18571	17301	-68.3	-51.7	-78.7		177	11.8	-0.7	11.8	13
70	18532	19434	18087	-66.7	-47.1	-77.9		172	8.4	-1.1	8.3	10.1
60	19440	19951	19001	-64.1	-45.9	-76.9		170	6.5	-1.1	6.4	8
50	20596	21096	20094	-60.9	-41.1	-72.5		173	4.6	-0.6	4.6	6.7
40	22006	22517	21537	-57.6	-40.7	-72.5		166	4.2	-1	4.1	6.4
30	23851	24361	23333	-53.9	-40.7	-69.7		166	4.9	-1.2	4.7	7.1
25	25017	25551	24566	-52.2	-37.7	-65.7		171	4.4	-0.7	4.3	5.9
20	26483	27033	25968	-50.2	-41.7	-63.1		182	3.5	0.1	3.5	5.1
15	28393	28996	27802	-47.4	-37.9	-59.7		180	3.2	0	3.2	5.2
10	31044	31517	30538	-45.4	-39.9	-51.5		156	4.3	-1.7	3.9	9.2
7	33393	33958	32867	-44.9	-38.5	-50.1		169	3.3	-0.6	3.2	9.6

FREEZING LEVEL

P	Height	H_max	H_min
639	3867	5700	2440

FIRST TROPOPAUSE

P	Height	Temp

SECOND TROPOPAUSE

P	Height	Temp
107	16077	-70

Patiala

42101

Station height

251

December

PRESSURE	HEIGHT	H max	H min	TEMP	TMAX	TMIN	DEWPT	DIR	VELO	U	V	VM
SURFACE	986.6	993	975	8.3	18	1.4	7.3	126	0.9	-0.7	0.5	1.4
1000	117	152	54									
950	562	621	420	14	25.6	1.6	4	112	3.7	-3.4	1.4	5.5
925	787	852	704	14	21.4	1.6	1.2	117	3.6	-3.2	1.6	5.7
900	1019	1087	928	13.5	25.6	1.2	-1.6	119	3.9	-3.4	1.9	5.8
850	1498	1574	1411	11.2	24.2	1.8	-4.8	128	3.6	-2.8	2.2	5.9
800	2001	2084	1905	8.5	20	-1.1	-7.9	137	3.3	-2.2	2.4	5.9
750	2531	2637	2423	5.5	17.6	-3.9	-10.4	147	3.3	-1.8	2.8	6.1
700	3091	3221	2967	2	13.4	-7.1	-13	160	3.7	-1.3	3.5	6.5
650	3685	3840	3544	-1.7	9.2	-11.5	-16.3	172	4.9	-0.7	4.9	7.5
600	4317	4469	4158	-5.9	5	-17.1	-19.8	176	7.1	-0.5	7.1	9.5
550	4991	5173	4814	-10.5	2.8	-22.5	-23.8	176	9.6	-0.6	9.6	11.9
500	5719	5933	5519	-15.6	-2.1	-27.9	-28	178	12.5	-0.5	12.5	14.8
450	6506	6765	6278	-21.2	-7.5	-32.7	-32.7	178	16.5	-0.7	16.5	18.9
400	7365	7669	7106	-27.5	-14.7	-41.3	-38	178	20.4	-0.8	20.4	23
350	8312	8668	7993	-34.4	-22.1	-49.5	-43.9	178	24.8	-0.8	24.8	27.5
300	9372	9791	8993	-42	-29.3	-55.9	-51.2	179	28.8	-0.5	28.8	31.2
250	10586	11072	10267	-49.6	-35.7	-62.3	-58.5	179	32.7	-0.8	32.7	34.9
200	12021	12564	11579	-56.3	-40.5	-71.3	-62.2	179	32.5	-0.3	32.5	34.2
175	12864	13422	12419	-58.9	-45.3	-71.7	-54.9	180	30.1	-0.1	30.1	31.6
150	13815	14270	13394	-61.5	-49.3	-74.9	-58.1	179	27.7	-0.3	27.7	28.7
125	14932	15412	14533	-64.5	-52.5	-77.7		180	24.2	-0.1	24.2	25
100	16284	16784	15892	-66.9	-52.1	-77.7		179	19.2	-0.2	19.2	19.8
80	17632	18149	17284	-67.4	-51.1	-78.7		177	13.5	-0.7	13.5	14.1
70	18432	18965	18080	-66.6	-52.5	-79.5		175	10.6	-0.9	10.6	11.3
60	19367	19914	18993	-64.8	-49.5	-77.3		172	8.4	-1.1	8.3	9.6
50	20492	21073	20078	-62.3	-45.9	-78.9		170	7	-1.2	6.9	8
40	21885	22539	21443	-59.5	-45.3	-72.9		169	5.4	-1	5.3	6.9
30	23693	24442	23209	-56.4	-41.9	-69.7		167	5.5	-1.2	5.4	6.3
25	24858	25520	24313	-54.6	-41.7	-67.9		167	4.6	-1	4.5	5.2
20	26352	26963	25789	-52	-43.5	-65.1		172	4.9	-0.7	4.8	5.4
15	28293	28855	27656	-48.5	-41.9	-60.7		192	4	0.8	3.9	4.7
10	30873	31609	30235	-49.8	-39.9	-64.3						
7	33838	34053	33624	-44.5	-38.5	-50.5						

FREEZING LEVEL

P	Height	H_max	H_min
675	3409	5610	1810

FIRST TROPOPAUSE

P	Height	Temp
202	11975	-59.3

SECOND TROPOPAUSE

P	Height	Temp
105	16137	-68.9