



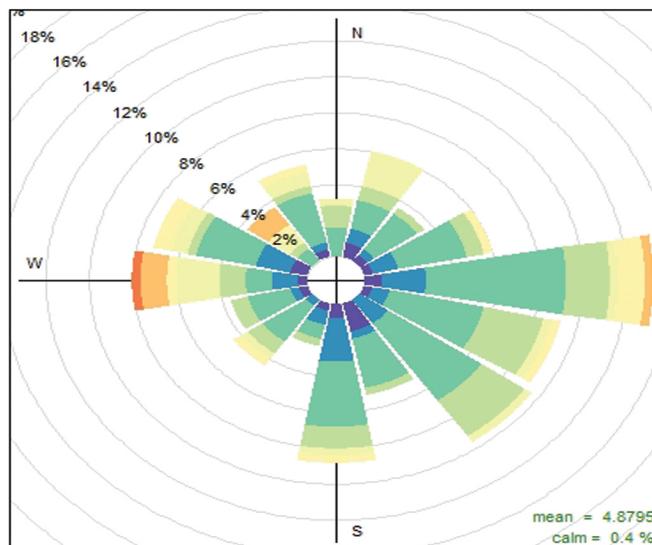
भारत सरकार / GOVERNMENT OF INDIA

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)



भोपाल  
BHOPAL

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 **Bhopal** (Latitude  $23^{\circ}17'N$ , Longitude  $77^{\circ}21'E$ ).

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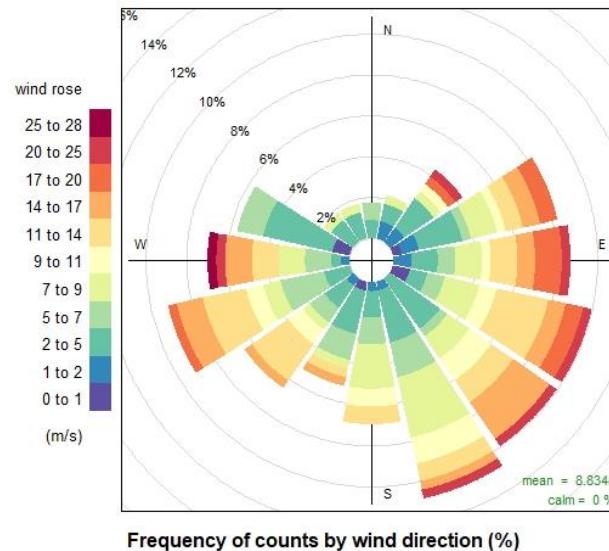
## **Description of various terms used in the table (Normals of Radiosonde data)**

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

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

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

## Interpretation of wind rose diagrams:



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

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

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

## Bhopal

January

1000 hPa level

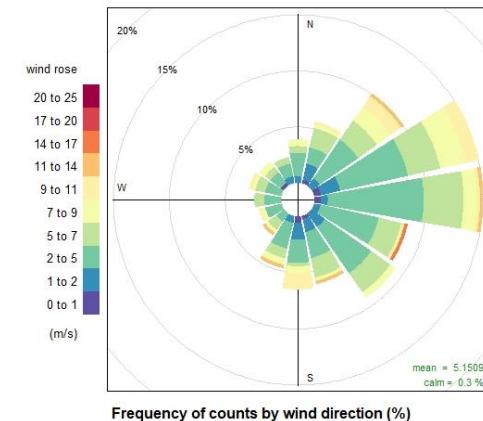
Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11												
12-33												
34-56												
57-78												
79-101												
102-123												
124-146												
147-168												
168-191												
192-213												
214-236												
237-258						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

## Bhopal

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	0.6	2.1	0.6	0.6	0	0	0	0	0	0
12-33		0.3	1.5	1.5	1.8	0.3	0.3	0	0	0	0	0
34-56		0	0.9	4.1	2.1	1.5	1.2	0.3	0	0	0	0
57-78		0.6	1.8	6.2	3	2.4	1.2	0	0	0	0	0
79-101		0.6	0.6	8.6	3.6	1.2	0.3	0.3	0	0	0	0
102-123		0	0.6	5.3	2.1	0	0.3	0	0.3	0	0	0
124-146		0	1.5	5	2.1	0.6	0	0	0	0	0	0
147-168		0.3	1.2	2.1	1.8	0	0	0.3	0	0	0	0
168-191		0.6	1.5	2.4	0.3	0.9	1.5	0	0	0	0	0
192-213		0	0.6	2.4	0.9	0.6	0	0.3	0	0	0	0
214-236		0	0	0.9	0.9	0.3	0	0.3	0	0	0	0
237-258		0	0	1.5	0	0.3	0.3	0	0	0	0	0
259-281		0	0	1.5	0.9	0	0	0	0	0	0	0
282-303		0	0	1.5	0.9	0.3	0.3	0	0	0	0	0
304-326		0.3	0	1.2	0.6	0.6	0	0	0	0	0	0
327-348		0	0.6	1.2	0.6	0	0	0	0	0	0	0

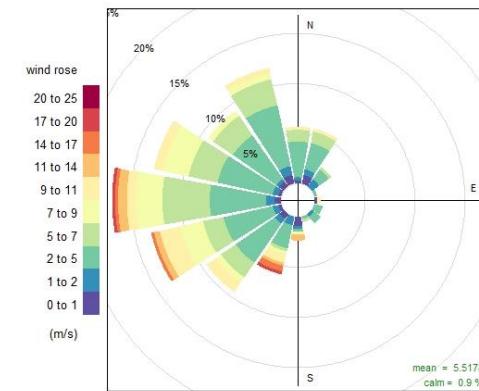


## Bhopal

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	1	0.3	0.3	3.6	1.2	0	0.3	0	0	0	0	0
12-33		0.9	0.6	2.7	1.2	0	0.3	0	0	0	0	0
34-56		0	0.9	1.2	0.3	0	0	0	0	0	0	0
57-78		0	0	0.3	0	0	0	0	0	0	0	0
79-101		0.3	0	0	0	0	0.3	0	0	0	0	0
102-123		0	0	0.9	0	0	0	0	0	0	0	0
124-146		0	0.3	0.9	0	0	0	0	0	0	0	0
147-168		0	0	0.3	0.3	0	0	0	0	0	0	0
168-191		0.9	0.3	0.3	0	0.3	0	0.6	0	0	0	0
192-213		0	0.9	2.4	0.3	0.3	0.9	0.3	0.6	0.3	0	0
214-236		0.6	0.6	4.7	1.8	0.6	1.2	0	0	0	0	0
237-258		0.3	0.6	5	2.1	2.4	2.1	0.6	0.3	0	0	0
259-281		0.6	0.9	5.6	4.7	2.7	0.9	0.9	0.3	0.3	0	0
282-303		0.3	0.6	5.6	3	2.7	0.9	0	0	0	0	0
304-326		0.6	0.3	5.3	2.4	0.6	0	0	0	0	0	0
327-348		0.9	0.9	6.2	2.7	0.6	0.6	0	0	0	0	0

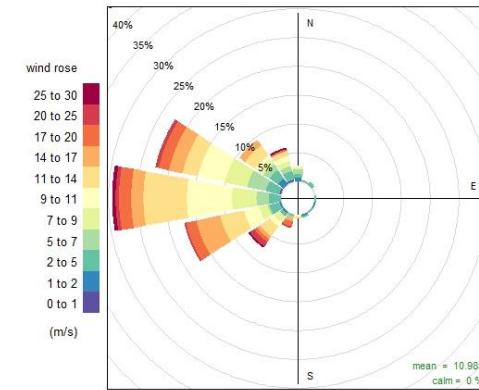


## Bhopal

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	0	0.6	0.6	0.9	0.3	0.3	0	0	0	0	0
12-33		0	0	0.3	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	0	0	0	0	0	0	0	0
79-101		0	0	0.3	0	0	0	0	0	0	0	0
102-123		0	0.3	0	0	0	0	0	0	0	0	0
124-146		0	0	0.3	0	0	0	0	0	0	0	0
147-168		0	0.3	0.3	0	0	0	0	0	0	0	0
168-191		0	0	0	0	0	0.3	0.3	0	0	0	0
192-213		0	0	0.3	0.3	0	0	0	0.6	0.9	0.3	0
214-236		0	0.3	0.6	0	1.2	0.9	2.1	0.6	0.6	0.9	0.3
237-258		0	0.3	1.8	0.3	1.5	2.7	4.2	4.2	1.8	0.3	0
259-281		0	0	2.1	2.1	4.2	7.9	7.6	2.1	2.1	0.6	0.6
282-303		0.3	0	2.4	3.3	3.9	4.8	2.7	2.4	1.8	0.6	0
304-326		0	1.2	1.8	1.2	0.9	0.9	2.1	1.2	0	0	0
327-348		0.3	0	1.5	0.9	0.9	0.9	0.9	0	0.3	0	0.3

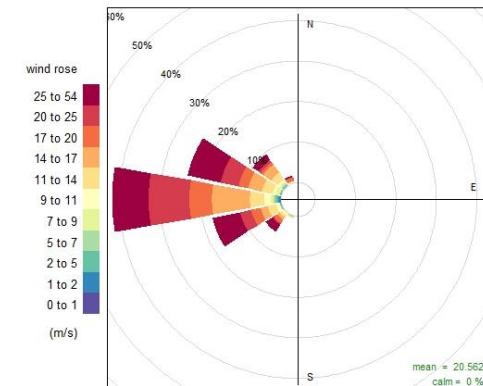


## Bhopal

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	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	0.3	0	0	0.3	0	0	0	0
214-236		0	0	0	0	0.3	0.3	0.7	0.7	1	0.3	2.1
237-258		0	0	0.3	0	0	1	2.1	1.7	2.4	2.8	6.9
259-281		0	0.7	0.7	0.3	0.7	1.7	3.5	9.4	5.6	10.1	9
282-303		0	0	0.3	0	1	0.7	2.8	3.5	2.4	4.5	8.3
304-326		0	0	0.3	0.3	0.3	0.7	2.1	2.4	0.7	0.7	1.7
327-348		0	0	0	0	0	0.3	0	0	1	0	0.3

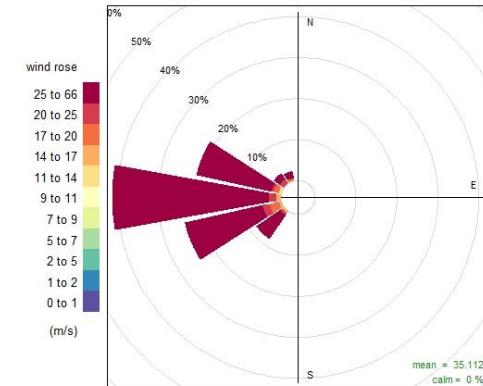


## Bhopal

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
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	0.6	0	0.6	7.1
237-258		0	0	0	0	0	0	0	0.6	2.4	1.8	19.4
259-281		0	0	0	0	0	0	0	1.2	0	1.8	38.2
282-303		0	0	0	0	0	0.6	0	1.2	0.6	0.6	18.8
304-326		0	0	0	0	0	0	0	0	1.2	1.2	1.8
327-348		0	0	0	0	0	0	0	0	0.6	0	1.8

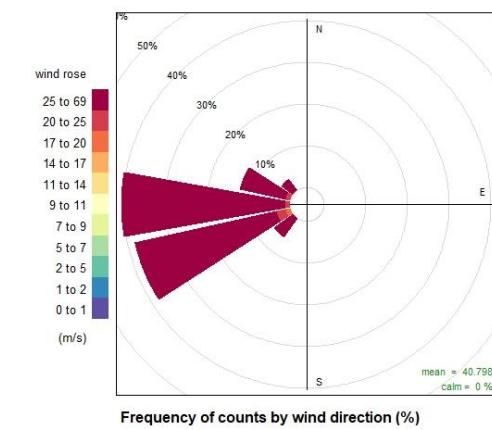


## Bhopal

January

200 hPa level

Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	0	0	0	0	0	0	0	0	0	0	0	0
12-33	0	0	0	0	0	0	0	0	0	0	0	0
34-56	0	0	0	0	0	0	0	0	0	0	0	0
57-78	0	0	0	0	0	0	0	0	0	0	0	0
79-101	0	0	0	0	0	0	0	0	0	0	0	0
102-123	0	0	0	0	0	0	0	0	0	0	0	0
124-146	0	0	0	0	0	0	0	0	0	0	0	0
147-168	0	0	0	0	0	0	0	0	0	0	0	0
168-191	0	0	0	0	0	0	0	0	0	0	0	0
192-213	0	0	0	0	0	0	0	0	0	0	0	0
214-236	0	0	0	0	0	0	0	0	0	0	5.6	0
237-258	0	0	0	0	0	0	0	0	0	1.1	2.2	34.8
259-281	0	0	0	0	0	0	0	0	0	0	1.1	39.3
282-303	0	0	0	0	0	0	0	0	0	0	1.1	11.2
304-326	0	0	0	0	0	0	0	0	0	0	0	3.4
327-348	0	0	0	0	0	0	0	0	0	0	0	0

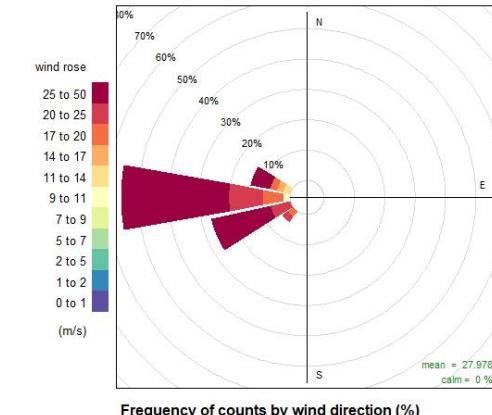


## Bhopal

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	0
12-33	0	0	0	0	0	0	0	0	0	0	0	0
34-56	0	0	0	0	0	0	0	0	0	0	0	0
57-78	0	0	0	0	0	0	0	0	0	0	0	0
79-101	0	0	0	0	0	0	0	0	0	0	0	0
102-123	0	0	0	0	0	0	0	0	0	0	0	0
124-146	0	0	0	0	0	0	0	0	0	0	0	0
147-168	0	0	0	0	0	0	0	0	0	0	0	0
168-191	0	0	0	0	0	0	0	0	0	0	0	0
192-213	0	0	0	0	0	0	0	0	0	0	0	0
214-236	0	0	0	0	0	0	0	0	0	2.2	2.2	0
237-258	0	0	0	0	0	0	0	0	0	0	6.7	20
259-281	0	0	0	0	0	2.2	0	0	0	6.7	11.1	35.6
282-303	0	0	0	0	0	0	2.2	2.2	2.2	0	0	6.7
304-326	0	0	0	0	0	0	0	0	0	0	0	0
327-348	0	0	0	0	0	0	0	0	0	0	0	0



## Bhopal

February

1000 hPa level

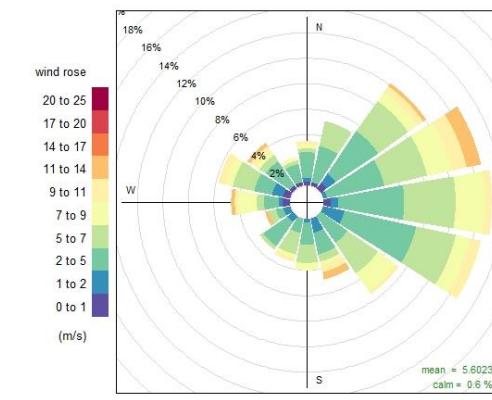
Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11												
12-33												
34-56												
57-78												
79-101												
102-123												
124-146												
147-168												
168-191												
192-213												
214-236												
237-258						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

## Bhopal

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		0.3	0.3	2	0.3	0.3	0.3	0	0	0	0	0
12-33		0.3	0	2.9	2	0	0	0	0	0	0	0
34-56		0.6	0.9	4	2.9	0.9	0.6	0.3	0	0	0	0
57-78		0	0.3	4.6	3.5	2	1.2	1.2	0	0	0	0
79-101		0.6	0.6	5.2	4	2.3	0.6	0	0	0	0	0
102-123		0	1.7	5.8	3.2	1.2	0.9	0	0	0	0	0
124-146		0	0	2.6	2.9	1.7	0.3	0	0	0	0	0
147-168		0	1.2	1.4	0.6	0.3	0.6	0.6	0	0	0	0
168-191		0	0.3	2	1.4	0.6	0	0	0	0	0	0
192-213		0	0	1.2	1.7	0.3	0.3	0	0	0	0	0
214-236		0	0.6	2.3	0.3	0	0	0	0	0	0	0
237-258		0	0.6	0.6	0.6	0	0	0.3	0	0	0	0
259-281		0.6	0.3	1.2	0.6	1.4	0.3	0.3	0	0	0	0
282-303		0.6	0.9	1.4	1.7	0.6	0.6	0	0	0	0	0
304-326		0.3	0	2.3	0.6	0.3	0.6	0.3	0	0	0	0
327-348		0.3	0	1.4	0.3	0.3	0	0	0	0	0	0

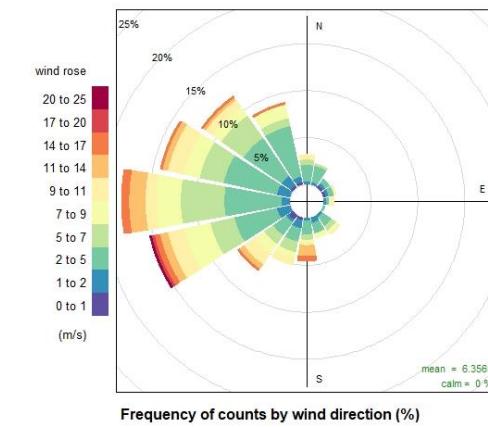


## Bhopal

February

850 hPa level

Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11		0	0.3	1.7	0.6	0	0.6	0	0	0	0	0
12-33		0	0.3	1.7	0.3	0	0	0	0	0	0	0
34-56		0.3	0.3	0.6	0	0	0	0	0	0	0	0
57-78		0.3	0.3	0.6	0	0	0.3	0	0	0	0	0
79-101		0	0.3	0.3	0	0	0.6	0	0	0	0	0
102-123		0	0	0.3	0	0	0	0	0	0	0	0
124-146		0	0.3	1.2	0.6	0.3	0.3	0	0	0	0	0
147-168		0	0.6	1.2	0	0.6	0	0	0	0	0	0
168-191		0	0.3	1.4	0.6	0.3	0.3	1.2	0.6	0	0	0
192-213		0.3	0.9	1.4	1.2	0.6	0.9	0	0	0	0	0
214-236		0.6	0.3	1.7	1.2	1.2	1.4	0.6	0.3	0	0	0
237-258		0	1.4	4.6	2.6	2.9	1.7	0.9	0.6	0.3	0.3	0
259-281		0	0.9	6.1	4.6	2.6	1.2	1.7	0.9	0	0	0
282-303		0	1.4	5.8	2.6	1.7	1.7	0.6	0.3	0	0	0
304-326		0.3	1.2	4.9	2.9	1.2	0.9	0.3	0.3	0	0	0
327-348		0.3	0.6	5.5	0.9	1.4	0	0	0.3	0	0	0

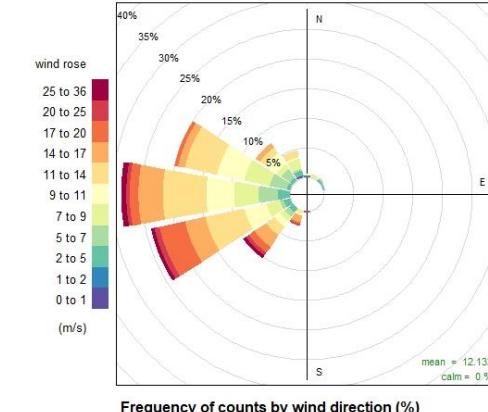


## Bhopal

February

700 hPa level

Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11		0	0.3	0	0	0	0.3	0	0	0	0	0
12-33		0	0	0	0	0.3	0	0.3	0	0	0	0
34-56		0	0	0.3	0.3	0	0	0	0	0	0	0
57-78		0	0	0.3	0	0	0	0	0	0	0	0
79-101		0	0	0	0	0	0	0	0	0	0	0
102-123		0	0	0	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	0.3	0
192-213		0	0	0	0	0.6	0.3	0	1.2	0.3	0.3	0
214-236		0	0	0.9	0.9	0.9	1.2	1.8	2.3	1.2	0.6	0.6
237-258		0	0	1.2	0.6	2.3	3.8	6.7	3.5	4.4	0.9	0.6
259-281		0	0	2.1	3.2	4.1	4.7	7.3	4.1	1.5	0.6	0.9
282-303		0	0	0.6	2.9	4.4	4.7	5.6	1.2	0.6	0	0
304-326		0	0	0.6	1.8	0.9	2.3	1.2	0.9	0	0	0
327-348		0.3	0	0.9	0.3	1.8	0.3	1.2	0	0	0	0

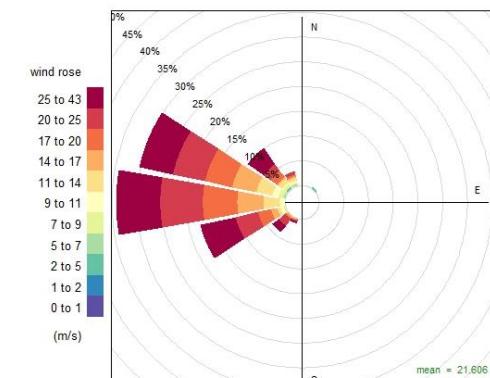


## Bhopal

February

500 hPa level

Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11		0	0	0	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	0.3	0	0	0	0	0	0	0	0
57-78		0	0	0	0	0	0	0	0	0	0	0
79-101		0	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	0.3	0	0.3	0.3	0.3
214-236		0	0	0	0	0	0	0.3	0.3	1.7	1.7	1.7
237-258		0	0	0	0.3	0.7	0.7	1.3	2.6	4.6	7.3	
259-281		0	0	0	0	1	3.3	5.3	7	8.6	8.9	
282-303		0	0	0.3	1	1.3	3.3	5	5.6	6.6	7	
304-326		0	0	0.3	0	0.7	0.3	1	0.3	1.7	1.7	4
327-348		0	0	0	0.3	0.3	0.3	0.7	0.3	0.3	0.7	0

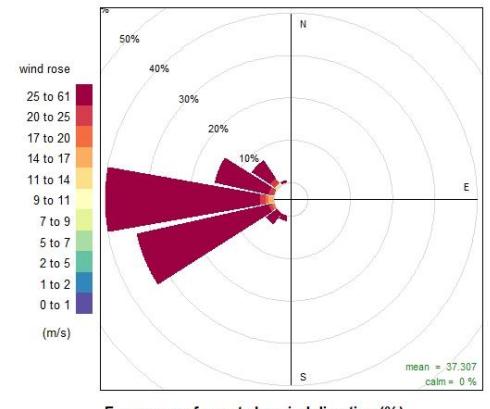


## Bhopal

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
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	1.3
214-236		0	0	0	0	0	0	0	0	0	0	3.3
237-258		0	0	0	0	0	0	0	0.7	0.7	0.7	32
259-281		0	0	0	0	0	0	0	1.3	0.7	1.3	36.6
282-303		0	0	0	0	0	0	0	0	0	1.3	13.1
304-326		0	0	0	0	0	0.7	0	0	0	1.3	5.2
327-348		0	0	0	0	0	0	0	0	0	0	0.7

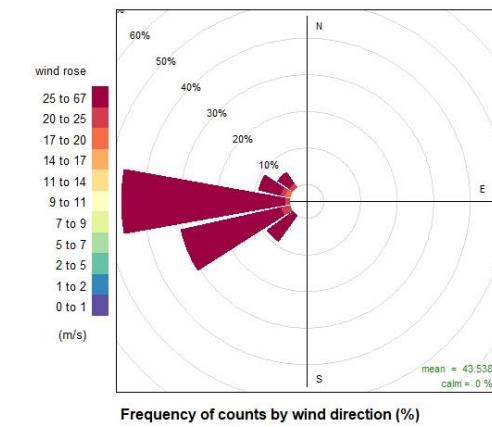


## Bhopal

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	0
214-236		0	0	0	0	0	0	0	0	0	0	9
237-258		0	0	0	0	0	0	0	0	0	2.6	28.2
259-281		0	0	0	0	0	0	0	0	0	1.3	44.9
282-303		0	0	0	0	0	0	0	0	1.3	1.3	6.4
304-326		0	0	0	0	0	0	0	0	0	1.3	3.8
327-348		0	0	0	0	0	0	0	0	0	0	0

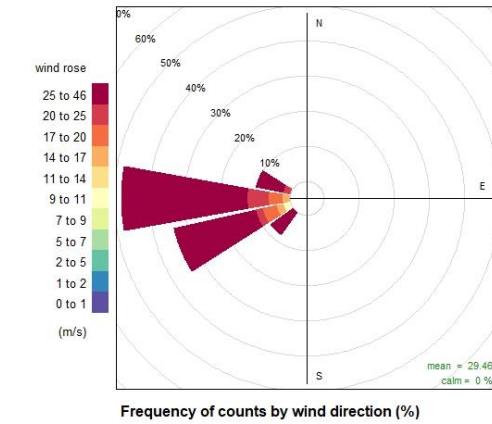


## Bhopal

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	0	0	0	8
237-258		0	0	0	0	0	2	0	2	4	2	24
259-281		0	0	0	0	0	0	0	2	4	6	36
282-303		0	0	0	0	0	0	0	0	0	2	8
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



## Bhopal

March

1000 hPa level

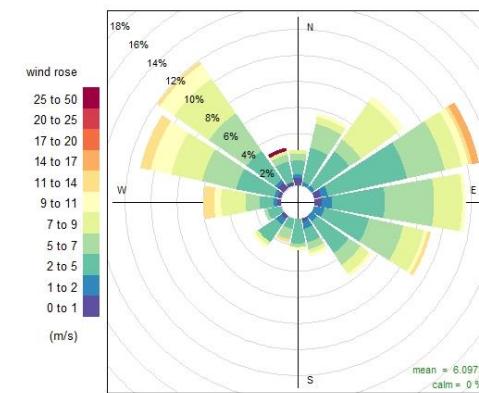
Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11												
12-33												
34-56												
57-78												
79-101												
102-123												
124-146												
147-168												
168-191												
192-213												
214-236												
237-258						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

## Bhopal

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	0.5	0.3	1.1	0.5	0.3	0	0	0	0	0	0	0
12-33	0	0.3	2.7	1.9	0.5	0.3	0	0	0	0	0	0
34-56	0	0.3	3.2	1.1	3.5	0.5	0	0	0	0	0	0
57-78	0.5	0.5	6.2	3	1.4	0.5	0.3	0.5	0	0	0	0
79-101	0.5	0.8	4.1	3.8	2.2	0.3	0	0	0	0	0	0
102-123	0	0.8	3.5	2.7	1.6	0.3	0.3	0	0	0	0	0
124-146	0	0.5	3	1.1	0.8	0.3	0	0	0	0	0	0
147-168	0.3	0.5	1.1	0.5	0.3	0.3	0	0	0	0	0	0
168-191	0	0	1.9	0.3	0	0.3	0	0	0	0	0	0
192-213	0	0	0.8	0.8	0	0	0.3	0	0	0	0	0
214-236	0.3	0.5	1.6	0	0.3	0.3	0	0	0	0	0	0
237-258	0	0	1.1	0.3	0	0	0	0	0	0	0	0
259-281	0.3	0.3	1.1	1.1	1.9	0.5	0.8	0	0	0	0	0
282-303	0.3	0.3	3	2.7	2.4	1.6	0.8	0	0	0	0	0
304-326	0.5	0.3	2.7	3.5	3.2	1.4	0.3	0	0	0	0	0
327-348	0.3	0	1.6	0.5	0.3	0	0	0	0	0	0	0.3

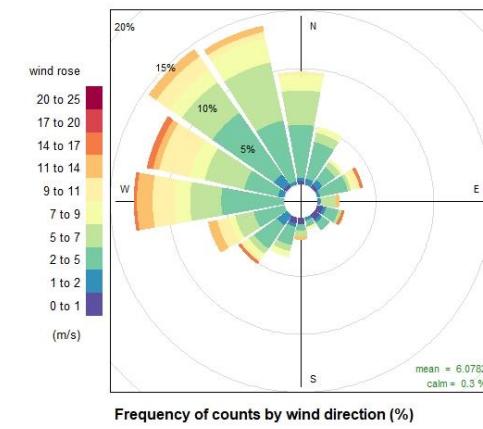


## Bhopal

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	0.3	0.3	4.6	3	1.3	0.3	0	0	0	0	0
12-33		0	0.5	3.2	0.8	0.5	0	0	0	0	0	0
34-56		0.3	0.5	1.3	0.5	0.3	0	0	0	0	0	0
57-78		0	0.3	2.4	0.3	0.3	0.5	0	0.3	0	0	0
79-101		0	0.3	0	1.3	0	0	0.3	0	0	0	0
102-123		0.5	0.3	1.1	0.3	0	0	0	0.3	0	0	0
124-146		0.5	0.3	0.8	0	0	0	0	0	0	0	0
147-168		0	0	0.5	0	0.3	0	0	0	0	0	0
168-191		0.5	0.3	0.5	0.5	0	0	0.3	0	0	0	0
192-213		0.5	0.3	1.6	0.5	0.5	0	0	0	0	0	0
214-236		0	1.1	2.4	0.5	0.5	0.3	0	0.3	0	0	0
237-258		0	0	2.7	1.6	0.5	1.1	0.8	0	0	0	0
259-281		0	0	5.4	2.7	1.3	1.9	1.3	0.3	0	0	0
282-303		0	0.5	3	3.5	1.3	2.7	0.5	0.5	0	0	0
304-326		0.3	1.1	6.5	3.2	1.3	1.3	0.8	0	0	0	0
327-348		0	0.3	5.4	5.1	2.2	0.5	0.5	0	0	0	0

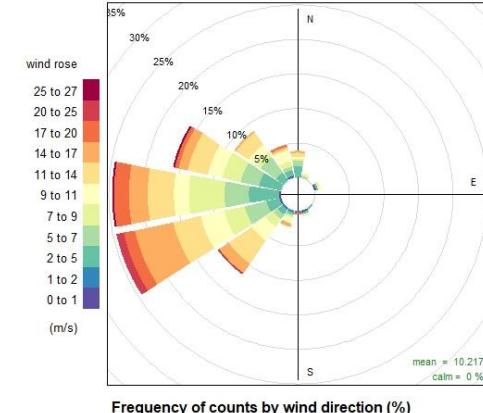


## Bhopal

March

700 hPa level

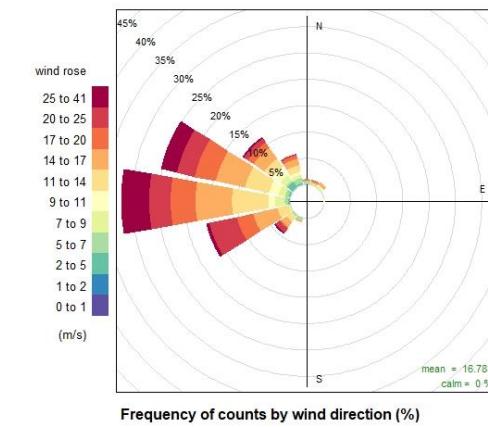
Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	0	0	0	1.6	0.8	0.3	0.3	0.5	0.3	0	0	0
12-33		0	0	0	0.3	0.3	0.3	0	0	0	0	0
34-56		0	0	0	0	0	0	0	0	0	0	0
57-78		0.3	0	0.3	0	0.3	0.3	0	0	0	0	0
79-101		0	0	0	0	0	0	0	0	0	0	0
102-123		0	0	0	0	0	0	0	0	0	0	0
124-146		0	0	0.3	0	0	0	0	0	0	0	0
147-168		0.3	0	0.3	0	0.3	0	0	0	0	0	0
168-191		0	0.3	0	0	0	0	0	0	0.3	0	0
192-213		0	0.3	0.3	0.3	0.8	0	0.5	0	0	0	0
214-236		0	0.3	0.8	0.8	1.4	2.4	4.1	1.6	0	0.3	0
237-258		0.3	0	1.9	3.3	3	3.5	4.1	5.7	1.6	1.1	0
259-281		0.3	0	4.3	3.5	5.2	2.2	3.8	2.7	2.2	0	0.3
282-303		0	0	3.3	2.7	2.7	2.2	3	1.4	0.5	0	0.3
304-326		0	0	1.4	2.7	0.8	1.4	2.2	0.3	0	0	0
327-348		0.3	0	0.8	0.5	0.8	1.6	0.3	0.3	0.3	0	0



## Bhopal

March      500 hPa level

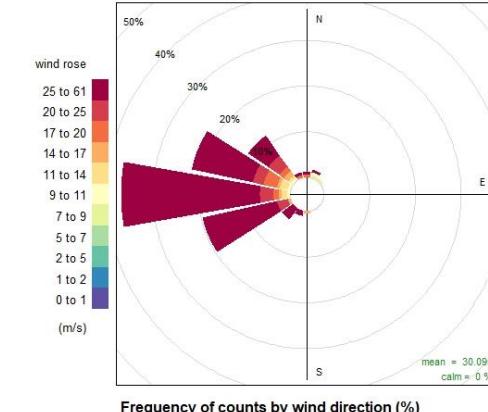
Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	0	0	0	0.6	0	0	0	0	0.3	0	0	0
12-33	0	0	0	0	0	0	0.3	0.3	0.3	0	0	0
34-56	0	0	0	0	0.3	0.3	0	0.6	0	0	0	0
57-78	0	0	0	0	0	0	0	0	0	0	0	0
79-101	0	0	0	0	0	0.3	0	0	0	0	0	0
102-123	0	0	0	0	0	0	0	0	0	0	0	0
124-146	0	0	0	0	0	0	0	0	0	0	0	0
147-168	0	0	0	0	0	0	0	0	0	0	0	0
168-191	0	0	0	0	0	0	0	0	0	0	0	0
192-213	0	0	0	0.6	0	0	0	0.3	0	0	0	0
214-236	0	0	0	0.3	0.3	0	0.9	1.3	0.3	0.9	0.3	0.3
237-258	0	0	0	0	0.3	0	2.2	4.7	3.1	5.3	0.6	0.6
259-281	0	0	0.3	0.6	1.9	1.3	6.9	6.9	4.7	4.1	5.3	5.3
282-303	0	0	0.3	0.6	1.3	1.9	4.7	5.7	4.1	3.5	3.1	3.1
304-326	0	0	1.3	0.3	1.3	1.9	1.9	2.5	1.3	0.9	0.9	0.3
327-348	0	0	0.3	0.9	0.6	0.6	1.3	1.3	0.6	0.3	0.3	0



## Bhopal

March      300 hPa level

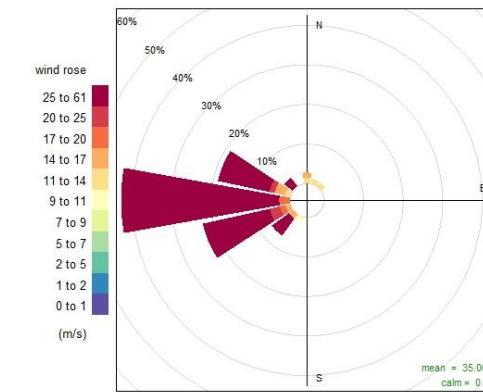
Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	0	0	0	0	0	0	0	0	0	0.6	0	0.6
12-33	0	0	0	0	0.6	0.6	0	0	0	0	0	0.6
34-56	0	0	0	0	0.6	0	0	0	0	0	0	0
57-78	0	0	0	0	0	0	0	0	0	0	0	0
79-101	0	0	0	0	0	0	0	0	0	0	0	0
102-123	0	0	0	0	0	0	0	0	0	0	0	0
124-146	0	0	0	0	0	0	0	0	0	0	0	0
147-168	0	0	0	0	0	0	0	0	0	0	0	0
168-191	0	0	0	0	0	0	0	0.6	0	0	0	0
192-213	0	0	0	0	0	0	0	0	0	0	0	1.2
214-236	0	0	0	0	0	0	0	0	0	0	0	3
237-258	0	0	0	0	0	0	0	0.6	0	2.4	16.7	16.7
259-281	0	0	0	0	0	0.6	1.2	0.6	1.2	3	30.4	30.4
282-303	0	0	0	0	0	0.6	1.8	0.6	3	2.4	13.7	13.7
304-326	0	0	0	0	0	0.6	0.6	1.2	1.2	3	5.4	5.4
327-348	0	0	0	0	0	0	0	0	0.6	0	0.6	0



## Bhopal

March      200 hPa level

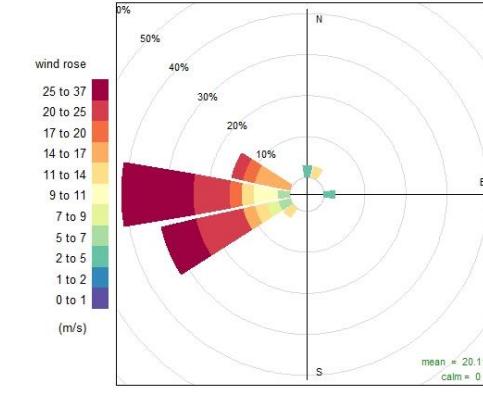
Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	0	0	0	0	0	0	1.3	1.3	0	0	0	0
12-33	0	0	0	0	0	0	1.3	0	0	0	0	0
34-56	0	0	0	0	0	0	1.3	0	0	0	0	0
57-78	0	0	0	0	0	0	0	0	0	0	0	0
79-101	0	0	0	0	0	0	0	0	0	0	0	0
102-123	0	0	0	0	0	0	0	0	0	0	0	0
124-146	0	0	0	0	0	0	0	0	0	0	0	0
147-168	0	0	0	0	0	0	0	0	0	0	0	0
168-191	0	0	0	0	0	0	0	0	0	0	0	0
192-213	0	0	0	0	0	1.3	0	0	0	0	0	0
214-236	0	0	0	0	0	0	0	1.3	0	0	0	5.3
237-258	0	0	0	0	0	0	0	1.3	1.3	2.7	0	17.3
259-281	0	0	0	0	0	0	0	0	2.7	0	40	
282-303	0	0	0	0	0	0	1.3	2.7	0	1.3	13.3	
304-326	0	0	0	0	0	0	0	0	0	0	0	2.7
327-348	0	0	0	0	0	0	0	0	0	0	0	0



## Bhopal

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	2.9	0	0	0	0	0	0	0	0	0
12-33	0	0	0	0	0	0	2.9	0	0	0	0	0
34-56	0	0	0	0	0	0	0	0	0	0	0	0
57-78	0	0	0	0	0	0	0	0	0	0	0	0
79-101	0	0	2.9	0	0	0	0	0	0	0	0	0
102-123	0	0	0	0	0	0	0	0	0	0	0	0
124-146	0	0	0	0	0	0	0	0	0	0	0	0
147-168	0	0	0	0	0	0	0	0	0	0	0	0
168-191	0	0	0	0	0	0	0	0	0	0	0	0
192-213	0	0	0	0	0	0	0	0	0	0	0	0
214-236	0	0	0	0	0	0	2.9	0	0	0	0	0
237-258	0	0	0	2.9	2.9	0	2.9	2.9	0	11.8	8.8	
259-281	0	0	0	2.9	0	5.9	2.9	0	2.9	8.8	17.6	
282-303	0	0	0	0	0	0	0	8.8	2.9	2.9	0	
304-326	0	0	0	0	0	0	0	0	0	0	0	
327-348	0	0	0	0	0	0	0	0	0	0	0	0



## Bhopal

April

1000 hPa level

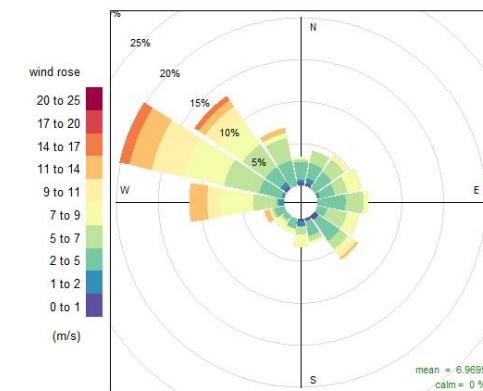
Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11												
12-33												
34-56												
57-78												
79-101												
102-123												
124-146												
147-168												
168-191												
192-213												
214-236												
237-258						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

## Bhopal

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		0.3	0.3	2.1	0.3	0.3	0	0	0	0	0	0
12-33		0.3	0.6	1.8	1.5	0	0	0	0	0	0	0
34-56		0	0	2.4	1.8	0.3	0.3	0	0	0	0	0
57-78		0	0.3	1.8	1.5	1.5	0.3	0	0	0	0	0
79-101		0	0	3.4	2.1	0.6	0	0	0	0	0	0
102-123		0	0	1.2	2.4	1.2	0.3	0	0	0	0	0
124-146		0.6	0	3	1.2	0.6	0.6	0.3	0	0	0	0
147-168		0.3	0	1.8	0.6	0	0.3	0	0	0	0	0
168-191		0.3	0.6	0	0.9	1.2	0.3	0	0	0	0	0
192-213		0	0	1.2	0	0.6	0	0	0	0	0	0
214-236		0	0	0.6	0.3	0.9	0	0	0	0	0	0
237-258		0	0	1.2	0.3	0	0.3	0.6	0	0	0	0
259-281		0	0.6	0.3	2.7	4	1.5	2.1	0	0	0	0
282-303		0	0.3	2.7	4.3	4.9	4	2.7	1.2	0	0	0
304-326		0.3	0.6	2.1	3.4	3.7	1.8	0.9	0.6	0	0	0
327-348		0	0	3	2.7	0.6	0	0.6	0	0	0	0

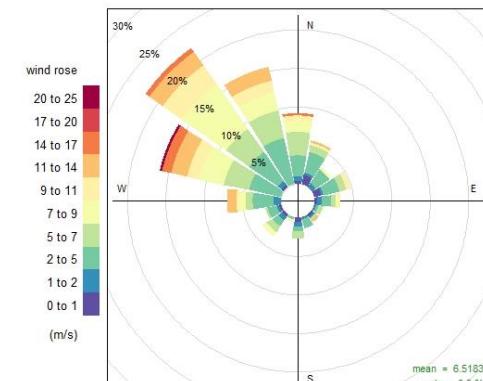


## Bhopal

April

850 hPa level

Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	0	0.3	0.6	2.7	3	1.5	0.6	0	0.3	0	0	0
12-33		1.2	0.3	2.7	0.9	0.3	0	0.3	0	0	0	0
34-56		0	0.6	2.1	0	0.3	0	0	0	0	0	0
57-78		0.9	0.3	2.1	0.9	0	0.6	0	0	0	0	0
79-101		0.3	0.6	1.2	0.6	0.3	0.3	0	0	0	0	0
102-123		0	0.3	0.3	0.6	0	0	0	0	0	0	0
124-146		0.3	0.3	0	0.3	0	0	0.3	0	0	0	0
147-168		0	0.3	1.2	0	0	0	0	0	0	0	0
168-191		0.6	0.6	0.6	0.9	0	0	0	0	0	0	0
192-213		0	0	0.3	0	0.3	0	0	0	0	0	0
214-236		0.3	0.6	0.9	0.9	0.6	0	0	0	0	0	0
237-258		0.3	0.3	1.2	0.3	0	0	0	0	0	0	0
259-281		0	0.9	2.7	0.9	0.9	0.3	1.2	0	0	0	0
282-303		0	0	4.3	3.4	3.4	1.5	2.1	1.2	0	0.3	0
304-326		0.3	0.6	4.6	3.7	7	3	2.1	0.6	0	0	0
327-348		0	0	6.1	3.7	2.4	1.5	1.8	0	0	0	0

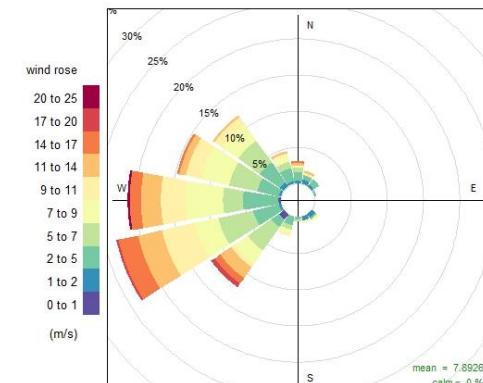


## Bhopal

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	0.3	1.2	0.6	0.3	0	0.3	0.3	0	0	0
12-33		0	0.6	0.6	0	0	0.3	0.3	0	0	0	0
34-56		0	0.3	0.9	0	0	0	0	0	0	0	0
57-78		0	0	0.3	0	0	0	0	0	0	0	0
79-101		0	0	0	0	0	0	0	0	0	0	0
102-123		0	0	0	0	0	0	0	0	0	0	0
124-146		0	0.6	0.3	0	0.3	0	0	0	0	0	0
147-168		0	0.6	0	0	0.3	0	0	0	0	0	0
168-191		0	0	0.3	0.3	0	0	0	0	0	0	0
192-213		0	0	1.2	0.6	0.6	0.3	0	0	0	0	0
214-236		0.9	0	1.2	4	2.1	0.6	1.8	0.9	0.6	0	0
237-258		0	0.3	3.7	4.9	3.4	4.6	3.4	2.8	0.3	0	0
259-281		0.3	0	4.9	2.8	5.2	3.4	2.8	1.5	0	0.3	0
282-303		0	0.3	3.1	4	4	2.1	0.9	0.3	0	0	0
304-326		0	0.6	3.4	3.7	2.8	1.2	0.3	0	0	0	0
327-348		0	0.3	1.8	0.9	0.9	0.3	0.3	0	0	0	0

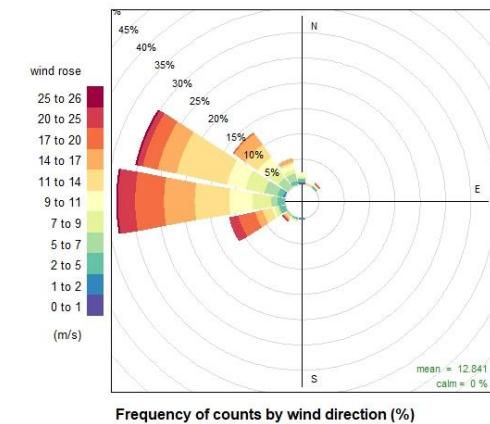


## Bhopal

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		0.4	0	0.8	0	0.4	0.8	0	0	0	0	0
12-33		0	0	0	0	0	0	0.4	0	0	0	0
34-56		0	0	0.4	0	0	0.4	0	0	0.4	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	0.4	0	0	0	0	0	0	0	0	0
192-213		0	0	0.4	0	0.4	0	0	0	0	0	0
214-236		0	0	0	0.4	0	0	0.4	0.4	0	0.4	0
237-258		0	0	1.1	0.4	0.8	0.4	1.9	1.5	3.4	1.9	0
259-281		0	0	1.5	1.1	3.8	4.5	6.8	6.1	5.7	3.4	0.4
282-303		0	0.4	1.1	2.7	3.8	3.8	10.2	3.8	3	1.1	0.4
304-326		0	0	0	2.3	2.3	2.7	3	2.7	0.4	0	0
327-348		0	0	0.8	1.5	0.8	1.1	0.4	0.8	0	0	0

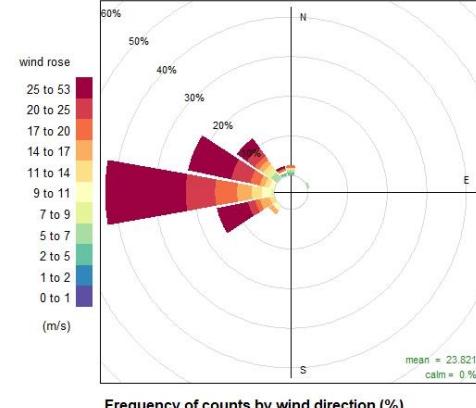


## Bhopal

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	0.6	0.6	0	0	0.6	0	0.6	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	0.6	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	1.2	0	1.2	0	0	0
237-258		0	0	0	0	0	0	1.2	2.5	1.2	1.9	8
259-281		0	0	0	0	0.6	2.5	2.5	3.7	5.6	7.4	20.4
282-303		0	0	0	0	1.2	1.2	1.2	1.2	2.5	4.9	11.1
304-326		0	0	0	1.9	1.2	0	1.2	1.2	1.2	2.5	3.1
327-348		0	0	0.6	0	0	0.6	0	0	0.6	0	0.6

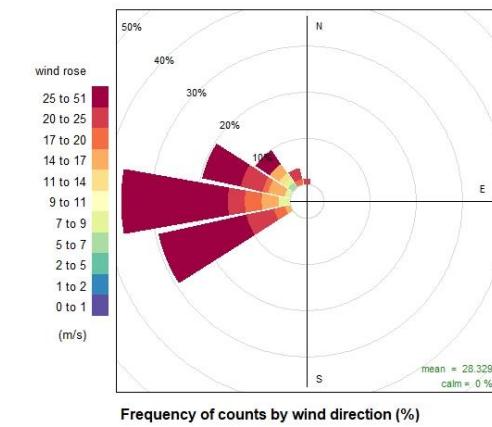


## Bhopal

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	1.2	0
12-33		0	0	0	0	0	0	0	0	0	0	0
34-56		0	0	0	0	0	0	0	0	0	0	0
57-78		0	0	0	0	0	0	0	0	0	0	0
79-101		0	0	0	0	0	0	0	0	0	0	0
102-123		0	0	0	0	0	0	0	0	0	0	0
124-146		0	0	0	0	0	0	0	0	0	0	0
147-168		0	0	0	0	0	0	0	0	0	0	0
168-191		0	0	0	0	0	0	0	0	0	0	0
192-213		0	0	0	0	0	0	0	0	0	0	0
214-236		0	0	0	0	0	0	0	0	0	0	0
237-258		0	0	0	0	0	0	0	1.2	2.4	6.1	19.5
259-281		0	0	0	2.4	0	0	3.7	3.7	3.7	3.7	23.2
282-303		0	0	0	1.2	0	0	3.7	1.2	4.9	4.9	8.5
304-326		0	0	0	1.2	1.2	0	1.2	2.4	0	0	3.7
327-348		0	0	0	0	0	0	0	0	1.2	2.4	0

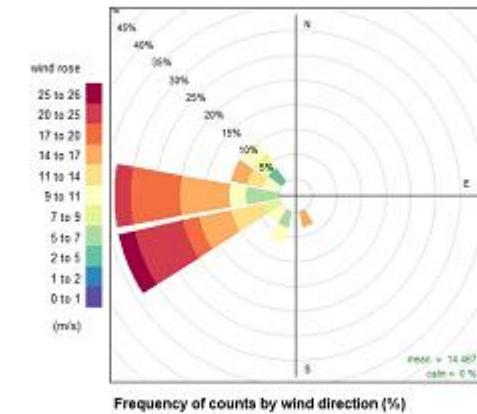


## Bhopal

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	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	3.3	0	3.3	0	0	0	0	0
214-236		0	0	0	0	3.3	0	3.3	0	0	0	0
237-258		0	0	0	0	3.3	0	6.7	6.7	3.3	10	3.3
259-281		0	0	0	6.7	0	3.3	0	10	10	3.3	0
282-303		0	0	0	0	3.3	3.3	3.3	3.3	0	0	0
304-326		0	0	3.3	0	3.3	3.3	0	0	0	0	0
327-348		0	0	0	0	0	0	0	0	0	0	0



## Bhopal

May

1000 hPa level

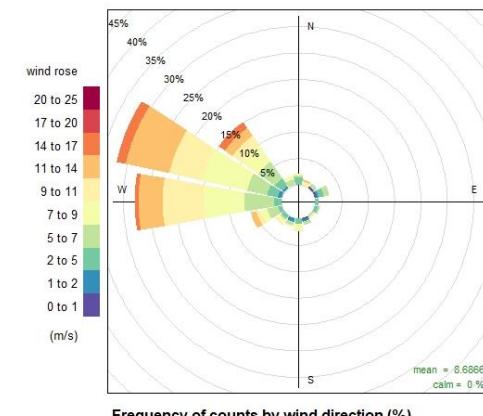
Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11												
12-33												
34-56												
57-78												
79-101												
102-123												
124-146												
147-168												
168-191												
192-213												
214-236												
237-258						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

## Bhopal

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	1.4	0.4	0.4	0	0	0	0	0	0
12-33		0	0	0	0	0.4	0.4	0.4	0	0	0	0
34-56		0.4	0	0	0.7	0	0	0	0	0	0	0
57-78		0.4	0.4	1.1	1.1	0	0	0	0	0	0	0
79-101		0	0	0.7	0	0	0	0	0	0	0	0
102-123		0	0	0.7	0.4	0	0	0	0	0	0	0
124-146		0	0	0	0.4	0	0.4	0	0	0	0	0
147-168		0.4	0.4	0	0.7	0	0	0	0	0	0	0
168-191		0	0	1.1	0	1.1	0.4	0	0	0	0	0
192-213		0	0.7	0	0.7	0.4	0	0	0	0	0	0
214-236		0	0	0.7	0.4	0.7	0.4	0	0	0	0	0
237-258		0	0	0.7	2.1	1.1	1.1	1.1	0	0	0	0
259-281		0	0	1.4	5.6	7.7	7.7	4.6	0.7	0	0	0
282-303		0	0.7	2.1	3.9	8.8	6.3	8.5	1.8	0	0	0
304-326		0	0.4	1.8	3.9	3.9	2.1	1.8	1.4	0	0	0
327-348		0	0	0	1.1	0.7	0	0	0	0	0	0

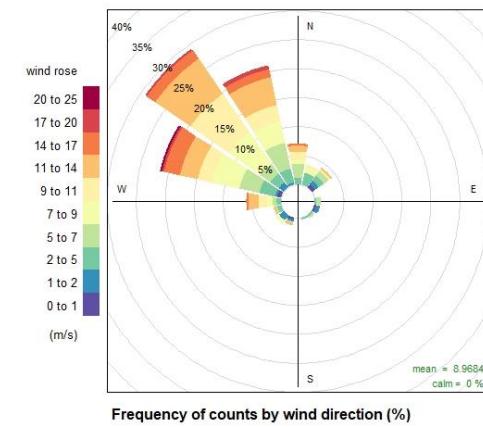


## Bhopal

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	1.1	2.5	0.7	1.4	1.1	0.4	0	0	0
12-33		0	0	2.1	0	1.1	0.4	0	0	0	0	0
34-56		0.7	0.7	1.1	1.1	0	0.4	0.4	0	0	0	0
57-78		0	0	0	0	0	0	0	0	0	0	0
79-101		0	0	0.4	0.7	0	0	0	0	0	0	0
102-123		0.4	0.7	0	0	0	0	0	0	0	0	0
124-146		0	0	0.4	0.4	0	0	0	0	0	0	0
147-168		0	0	0.4	0	0	0	0	0	0	0	0
168-191		0	0	0	0	0	0	0	0	0	0	0
192-213		0.4	0.4	0	0.4	0	0	0.4	0	0	0	0
214-236		0	1.1	0	0	0.7	0	0	0	0	0	0
237-258		0	0	0.7	0.4	0	0	0.4	0	0	0	0
259-281		0	0	0.7	0.7	1.1	1.4	1.8	0.4	0	0	0
282-303		0.7	0.4	2.8	3.5	4.9	2.5	3.2	2.8	0.4	0.4	0
304-326		0	1.1	1.8	2.1	6.7	8.1	7.4	1.8	0.4	0	0
327-348		0	0.4	2.5	4.6	3.9	2.8	4.9	1.4	0.7	0	0

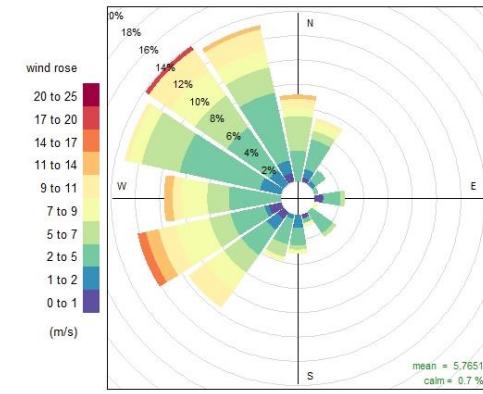


## Bhopal

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	1	0	0	2.5	2.8	0.7	0.7	0.4	0	0	0	0
12-33		0.4	0.7	2.5	0.7	0.7	0.4	0	0	0	0	0
34-56		0	0.4	1.1	0	0	0	0	0	0	0	0
57-78		0	0	0.4	0	0	0	0	0	0	0	0
79-101		0.7	0	1.4	0.4	0	0	0	0	0	0	0
102-123		0	0	0	0	0.4	0	0	0	0	0	0
124-146		0	0	2.1	0.4	0	0	0	0	0	0	0
147-168		0.4	0	0.4	0	0.4	0	0	0	0	0	0
168-191		0	1.1	1.4	0.4	0.4	0	0	0	0	0	0
192-213		0	0.4	2.1	1.1	0.4	0	0	0	0	0	0
214-236		0.7	1.1	2.5	1.8	1.8	1.8	0	0	0	0	0
237-258		1.1	0.4	2.8	1.8	2.8	1.4	1.1	0.7	0	0	0
259-281		0	0	4.3	1.8	2.1	0.7	0.7	0	0	0	0
282-303		0	1.8	6.8	3.2	1.1	0.4	0	0	0	0	0
304-326		0	1.4	4.3	3.2	2.5	2.1	0	0	0.4	0	0
327-348		0.7	1.1	5.7	2.1	1.4	1.8	0.4	0	0	0	0

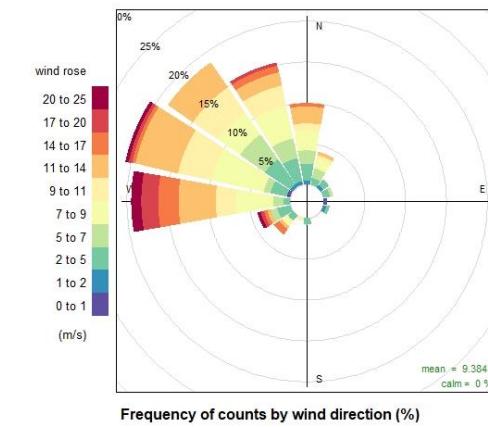


## Bhopal

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	0.4	2.1	1.7	2.5	0.8	2.1	0.4	0	0	0
12-33		0	0	0.8	1.2	1.2	0.4	0.4	0	0	0	0
34-56		0	0.4	0.8	0	0	0	0	0	0	0	0
57-78		0	0	0.8	0.4	0	0	0	0	0	0	0
79-101		0.4	0	0	0	0	0	0	0	0	0	0
102-123		0	0.4	0.4	0	0	0	0	0	0	0	0
124-146		0	0	0	0	0	0	0	0	0	0	0
147-168		0	0	0	0	0	0	0	0	0	0	0
168-191		0	0	0.8	0	0	0	0	0	0	0	0
192-213		0	0	0	0	0	0.4	0	0	0	0	0
214-236		0	0	0.8	0	0.8	0	0.4	0.8	0	0	0
237-258		0	0	1.7	0.8	0	0	0.4	0.4	0.4	0.4	0
259-281		0	0	0.8	1.2	4.5	2.5	4.5	2.5	2.1	1.2	0
282-303		0.4	0	2.1	0.8	6.6	4.1	5.4	0.4	0.4	0.4	0
304-326		0	0.4	3.7	3.7	3.3	3.7	3.7	0	0	0	0
327-348		0	0.4	2.9	2.5	4.1	2.5	1.7	0.8	0.4	0	0

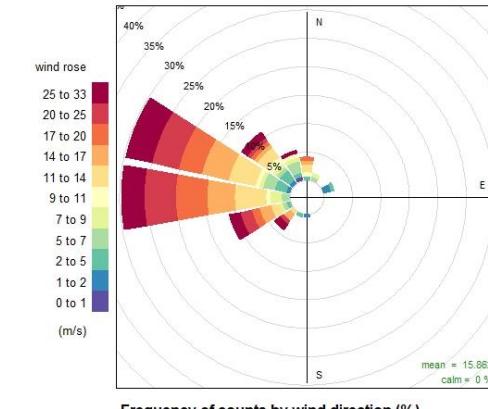


## Bhopal

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	0.7	0	0	0.7	1.4	0.7	0.7	0	0
12-33		0	0	0	0.7	0.7	0	0	0	0	0	0
34-56		0	0	0	0	0	0	0	0	0	0	0
57-78		0	1.4	0.7	0	0	0	0	0	0	0	0
79-101		0	0	0	0	0	0	0	0	0	0	0
102-123		0	0	0	0	0	0	0	0	0	0	0
124-146		0	0	0	0	0	0	0	0	0	0	0
147-168		0	0	0	0	0	0	0	0	0	0	0
168-191		0	0.7	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	0	0	0	0	0.7	1.4	0	0.7	1.4
237-258		0	0	0.7	0.7	0.7	0	1.4	2.1	1.4	2.1	2.1
259-281		0	0	0	1.4	2.1	0.7	5.5	4.8	5.5	5.5	4.1
282-303		0	0.7	2.1	2.1	0.7	0.7	4.8	4.8	4.1	4.8	4.8
304-326		0	0.7	2.1	0.7	0.7	1.4	2.1	0.7	0.7	0.7	1.4
327-348		0.7	0	0.7	2.1	0.7	0.7	0	0	0	0	0.7

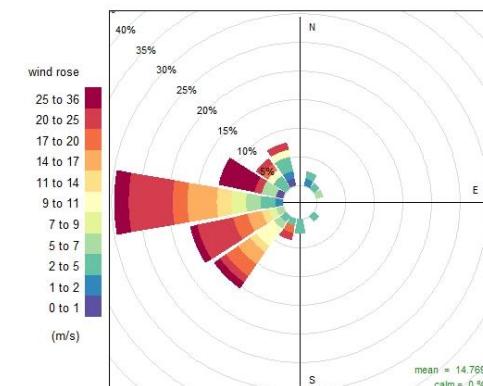


## Bhopal

May

200 hPa level

Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11		0	0	0	0	0	0	0	0	0	0	0
12-33		0	1.3	1.3	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	0	1.3	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	1.3	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	2.6	0	0	0	0	0	0	0	0
192-213		0	0	1.3	0	0	0	0	0	1.3	1.3	0
214-236		0	0	1.3	1.3	0	3.8	1.3	2.6	2.6	1.3	1.3
237-258		0	0	0	1.3	1.3	0	1.3	2.6	2.6	2.6	6.4
259-281		0	1.3	2.6	2.6	2.6	0	2.6	5.1	2.6	7.7	2.6
282-303		1.3	0	0	2.6	0	0	0	0	0	1.3	6.4
304-326		0	0	2.6	0	0	1.3	0	0	1.3	1.3	0
327-348		1.3	1.3	2.6	0	0	1.3	0	0	0	1.3	0

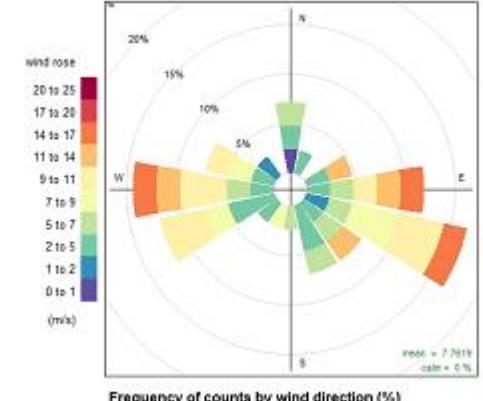


## Bhopal

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



## Bhopal

June

1000 hPa level

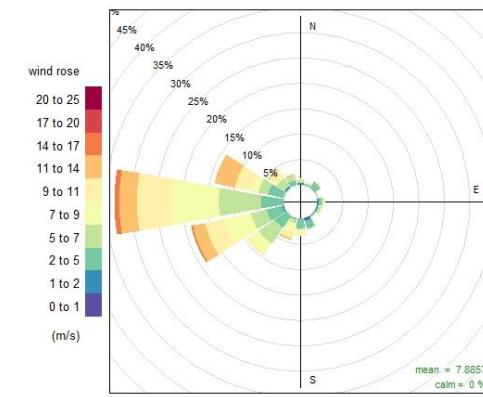
Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11												
12-33												
34-56												
57-78												
79-101												
102-123												
124-146												
147-168												
168-191												
192-213												
214-236												
237-258						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

## Bhopal

June

925 hPa level

Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11		0	0.3	0	0.6	0.3	0	0	0	0	0	0
12-33		0	0	0.3	0	0.3	0	0	0	0	0	0
34-56		0	0	1.3	0	0	0	0.3	0	0	0	0
57-78		0	0	0	0.3	0	0	0	0	0	0	0
79-101		0	0.3	0.6	0.3	0.3	0	0	0	0	0	0
102-123		0	0.3	0	0.6	0.3	0	0	0	0	0	0
124-146		0	0	0.3	0	0.3	0	0	0	0	0	0
147-168		0.3	0.3	1.6	0	0.3	0	0	0	0	0	0
168-191		0	0	1.9	0.3	1.3	0	0	0	0	0	0
192-213		0	0	0.3	0.6	1.9	1.3	0.3	0	0	0	0
214-236		0	0	2.9	3.8	2.2	0.6	0	0	0	0	0
237-258		0	0.3	3.2	3.2	5.4	3.8	2.5	0.3	0	0	0
259-281		0	0	4.4	8.3	9.5	6.7	3.5	1	0	0	0
282-303		0	0	3.2	1.9	1.6	3.2	4.1	0	0	0	0
304-326		0	0.3	0	1.9	0.6	1.3	0.3	0	0	0	0
327-348		0	0	1	1	0	0	0.3	0	0	0	0

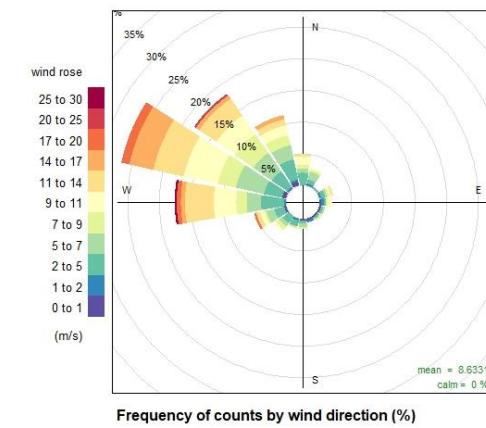


## Bhopal

June

850 hPa level

Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	0	0	0	1.9	0.6	0.6	1.3	0.3	0	0	0	0
12-33		0	0.3	0.6	1.3	0.3	0.3	0	0	0	0	0
34-56		0	0	0.3	0	0	0	0	0	0	0	0
57-78		0	0.3	0.6	0.3	0.3	0.3	0.3	0	0	0	0
79-101		0.3	0.3	0.3	0	0.3	0.6	0	0	0	0	0
102-123		0.3	0	0.3	0.3	0	0	0	0	0	0	0
124-146		0.3	0	0.3	0	0.3	0	0	0	0	0	0
147-168		0.3	0.3	0	0	0	0	0	0	0	0	0
168-191		0.3	0	0.3	0.6	0.3	0	0	0	0	0	0
192-213		0	0.3	1	0	0	0	0.3	0	0	0	0
214-236		0	0	1.3	0.6	0.6	0.3	0	0	0	0	0
237-258		0.3	0	1.6	1.3	0.3	0.6	0.6	0	0.3	0	0
259-281		0	0.3	3.6	2.3	1.6	3.6	4.5	0.6	0.6	0	0.3
282-303		0.6	0	2.9	4.5	2.9	5.5	4.9	3.9	1.3	0	0
304-326		0	0.3	2.9	3.6	3.6	3.6	3.2	0.6	0	0.3	0
327-348		0.6	0.3	3.2	2.3	1.6	1.6	1	0.6	0	0	0

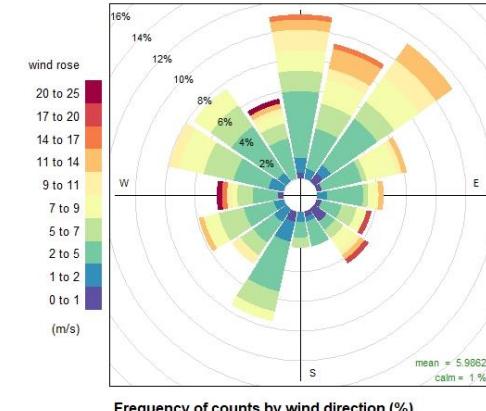


## Bhopal

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	1	0.3	1	4.5	1.4	1.4	1.4	0.7	0.3	0	0	0
12-33		0	0.7	2.8	1.7	1.7	0.7	1.4	0.3	0	0	0
34-56		0.7	0.7	3.8	1.4	2.1	1.4	1.4	0	0	0	0
57-78		0.3	0	2.8	0.3	2.1	0.3	0.3	0	0	0	0
79-101		0	0.7	2.4	0.3	0.7	0	0.3	0	0	0	0
102-123		0.3	0	1.4	1	0.7	0	0	0	0.3	0	0
124-146		1	0	0.7	0.7	1	0.3	0.3	0	0.3	0	0
147-168		0.3	0.3	1.7	0	0	0	0	0	0	0	0
168-191		0	0.7	1	0.7	0	0	0	0	0	0	0
192-213		0.7	1.4	3.4	1.4	0.7	0	0	0	0	0	0
214-236		0	1	1.7	1	0	0.7	0	0	0	0	0
237-258		0	0.7	2.1	1.7	1	0	0.3	0	0	0	0
259-281		0.3	0	1.7	1	0.3	0.3	0	0.3	0	0.3	0
282-303		0	1	2.4	2.1	1.7	0.7	0	0	0	0	0
304-326		0	0.7	3.8	1.7	1.4	0	0	0	0	0	0
327-348		0	0	2.8	1	0.7	0.3	0.3	0	0	0.3	0

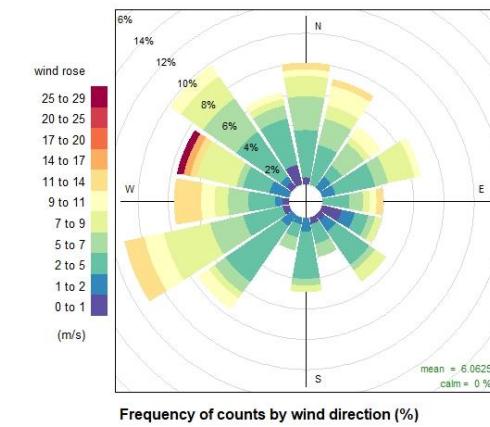


## Bhopal

June

500 hPa level

Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	0	0.4	0	3.1	2.2	1.3	0.4	0.4	0	0	0	0
12-33		0	0	2.7	1.8	0.9	1.3	0.4	0	0	0	0
34-56		0	0.9	0.9	1.8	0.4	0.9	0	0	0	0	0
57-78		0	0.9	2.7	0.9	1.8	0.4	0	0	0	0	0
79-101		0	0	1.8	0.9	0.4	0.4	0.4	0	0	0	0
102-123		1.3	0.9	0.9	0.4	0.4	0	0	0	0	0	0
124-146		0.4	0.9	2.7	0.4	0.9	0	0	0	0	0	0
147-168		0.4	0	1.3	0.9	0	0	0	0	0	0	0
168-191		0	0.9	3.1	0.4	0.4	0	0	0	0	0	0
192-213		0	0.4	0.9	0.9	0	0	0	0	0	0	0
214-236		0	0.9	4.5	0.9	0.4	0.9	0	0	0	0	0
237-258		0.4	0	2.7	2.2	3.1	1.3	1.3	0	0	0	0
259-281		0.4	0.4	1.8	1.3	0.9	0.9	1.8	0	0	0	0
282-303		0	1.3	1.8	0.4	2.7	0	0.4	0.4	0	0	0.4
304-326		0.4	0.4	3.6	2.7	1.8	0.9	0	0	0	0	0
327-348		1.3	0	3.1	0.9	0.4	0.4	0	0	0	0	0

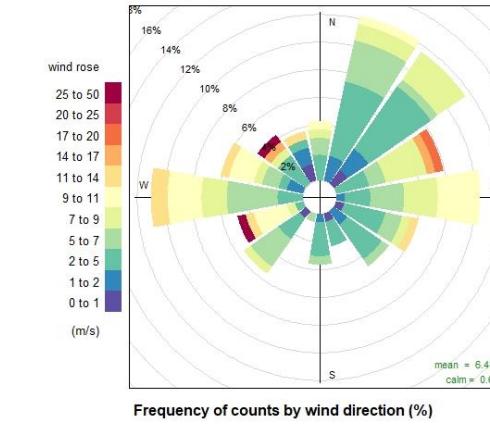


## Bhopal

June

300 hPa level

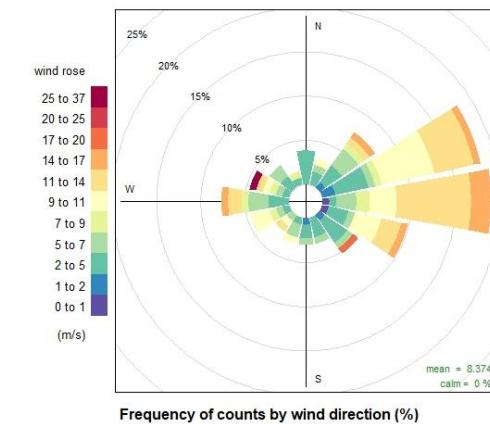
Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	1	0	0	1.8	1.2	0.6	0.6	0	0	0	0	0
12-33		0	1.8	5.5	3	1.2	0.6	0	0	0	0	0
34-56		1.2	1.8	5.5	0.6	2.4	0	0	0	0	0	0
57-78		0	0	2.4	1.2	3	0	0	0.6	0.6	0	0
79-101		0	0.6	1.8	2.4	2.4	3	0	0	0	0	0
102-123		0.6	0	3	1.2	0.6	0	0.6	0	0	0	0
124-146		0	1.2	3	0.6	0	0	0	0	0	0	0
147-168		0.6	0	1.8	0	0	0	0	0	0	0	0
168-191		0	0.6	2.4	0.6	0	0	0	0	0	0	0
192-213		0	0	0	0.6	0	0	0	0	0	0	0
214-236		0.6	0	1.8	2.4	0.6	0	0	0	0	0	0
237-258		0	0	0.6	0	0.6	2.4	0.6	0	0	0	0.6
259-281		0	0	1.8	3.7	1.8	2.4	1.2	0	0	0	0
282-303		0	1.2	0.6	1.2	0.6	1.8	0.6	0	0	0	0
304-326		0	0	2.4	0	0.6	0	0	0.6	0	0	0.6
327-348		1.2	1.2	0.6	0	0	0	0.6	0	0	0	0



## Bhopal

June      200 hPa level

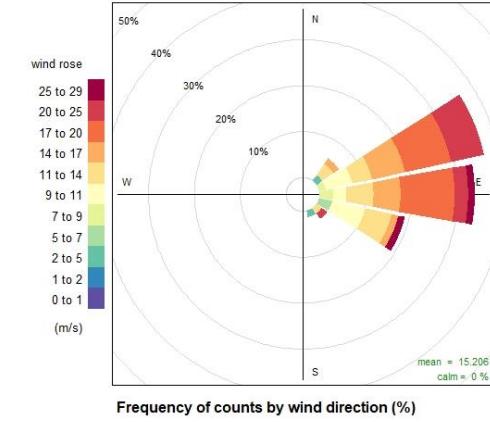
Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11		0	0	3.8	0	0	0	0	0	0	0	0
12-33		0	0	1.5	0.8	0	0.8	0	0	0	0	0
34-56		0	0.8	2.3	2.3	0.8	0	0.8	0.8	0	0	0
57-78		0	1.5	3.8	0.8	0.8	6.1	4.6	0.8	0	0	0
79-101		0.8	0	0.8	2.3	1.5	3.1	8.4	2.3	0	0	0
102-123		0.8	0	2.3	0.8	0	3.1	2.3	0.8	0	0	0
124-146		0	0.8	3.1	0.8	0	0	0	0	0.8	0	0
147-168		0	0	2.3	0	0	0	0	0	0	0	0
168-191		0	0.8	1.5	1.5	0	0	0	0	0	0	0
192-213		0	0	0.8	1.5	0	0.8	0	0	0	0	0
214-236		0	0	0	0.8	0	0.8	0.8	0	0	0	0
237-258		0	0	0.8	0.8	0.8	2.3	0	0	0	0	0
259-281		0	0	2.3	2.3	0.8	0	1.5	0.8	0	0	0
282-303		0	0	0.8	0.8	0.8	0.8	0.8	0	0	0	0.8
304-326		0	0	1.5	1.5	0	0	0	0	0	0	0
327-348		0	0	0.8	0	0.8	0	0	0	0	0	0



## Bhopal

June      100 hPa level

Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11		0	0	0	0	0	0	0	0	0	0	0
12-33		0	0	0	0	0	0	0	0	0	0	0
34-56		0	0	1.5	0	0	0	2.9	1.5	0	0	0
57-78		0	0	0	0	1.5	5.9	4.4	7.4	10.3	7.4	0
79-101		0	0	0	0	2.9	2.9	5.9	5.9	11.8	2.9	1.5
102-123		0	0	0	2.9	0	7.4	5.9	1.5	0	0	1.5
124-146		0	0	0	0	0	0	1.5	0	0	1.5	0
147-168		0	0	1.5	0	0	0	0	0	0	0	0
168-191		0	0	0	0	0	0	0	0	0	0	0
192-213		0	0	0	0	0	0	0	0	0	0	0
214-236		0	0	0	0	0	0	0	0	0	0	0
237-258		0	0	0	0	0	0	0	0	0	0	0
259-281		0	0	0	0	0	0	0	0	0	0	0
282-303		0	0	0	0	0	0	0	0	0	0	0
304-326		0	0	0	0	0	0	0	0	0	0	0
327-348		0	0	0	0	0	0	0	0	0	0	0



## Bhopal

July

1000 hPa level

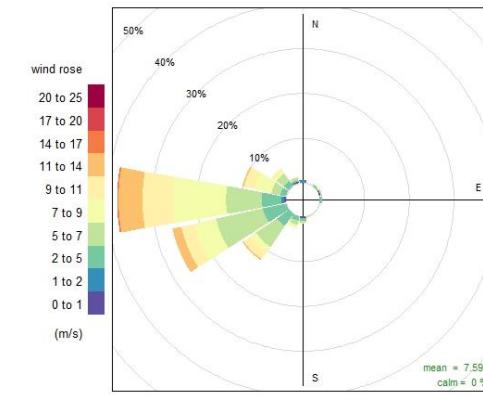
Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11												
12-33												
34-56												
57-78												
79-101												
102-123												
124-146												
147-168												
168-191												
192-213												
214-236												
237-258						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

## Bhopal

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	0.7	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	0.3	0	0.3	0	0	0	0	0	0
57-78		0.3	0	0	0.3	0	0	0	0	0	0	0
79-101		0	0	0.7	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	0.3	0	0	0	0	0	0	0
168-191		0.3	0	0.7	0.3	0.3	0	0	0	0	0	0
192-213		0	0	1	1	0.7	0	0	0	0	0	0
214-236		0	0	3.3	5.7	1.3	2	0.3	0	0	0	0
237-258		0	0	5.4	10.7	5	3	2	0	0	0	0
259-281		0.3	0.7	4.3	8	12	6.7	5.4	0.3	0	0	0
282-303		0	0	1.3	2	4	2.3	0.3	0	0	0	0
304-326		0	0	1.3	2	0.7	0.7	0	0	0	0	0
327-348		0.3	0	0.3	0.7	0	0	0	0	0	0	0

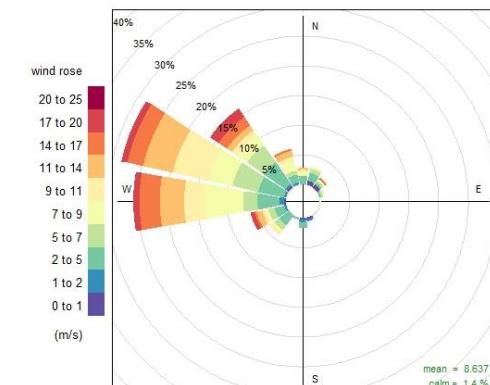


## Bhopal

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	1	0	0	1.4	0	0.7	0.3	0.3	0	0	0	0
12-33		0.7	0	1.4	0.7	0	0.3	0	0	0	0	0
34-56		0.7	0	0.3	0.3	0.3	0	0	0.3	0	0	0
57-78		0	0	0.3	0.3	0.3	0	0	0	0	0	0
79-101		0	0	0	0	0.3	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		0.3	0.3	0	0	0	0	0	0	0	0	0
168-191		0.3	0.3	1	0	0	0	0	0	0	0	0
192-213		0	0	0.3	0	0	0	0	0	0	0	0
214-236		0	0	2.1	1	0.3	0.7	0	0	0	0	0
237-258		0	0.3	1.7	1	0.3	0.7	1	0.3	0.7	0	0
259-281		0.3	0.7	3.8	2.4	6.5	3.4	4.1	3.4	1	0	0
282-303		0	0.3	4.5	4.5	4.1	6.2	5.1	2.7	1	0	0
304-326		0.3	0.3	4.5	3.4	2.1	1	1	1.7	1.7	0	0
327-348		0	0.3	1.4	0.7	1.7	0.7	1	0.3	0	0	0

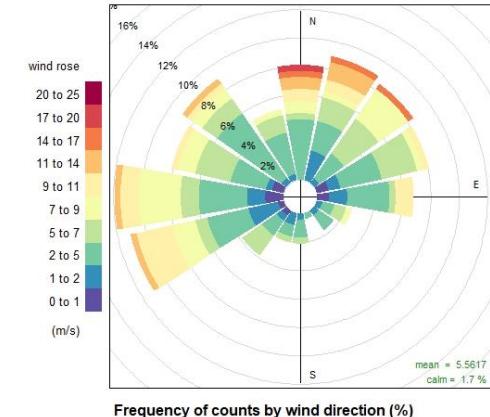


## Bhopal

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	2	0	0	4.3	0.4	0.9	0.9	0.9	0.4	0.4	0	0
12-33		0	2.1	2.1	1.7	0.4	0.9	1.3	0.4	0	0	0
34-56		0	0.4	2.1	3	2.6	0	0	0.4	0	0	0
57-78		0.9	0.9	3	2.6	0.4	0.4	0	0	0	0	0
79-101		0.9	1.3	3	0.4	0	1.3	0	0	0	0	0
102-123		0	0.4	0.9	0.9	0.4	0	0	0	0	0	0
124-146		0	0.4	1.3	0	0	0	0	0	0	0	0
147-168		0	0	0	0	0	0	0	0	0	0	0
168-191		0	0.4	1.7	0.4	0	0	0	0	0	0	0
192-213		0	0.9	0.9	0.4	0	0	0	0	0	0	0
214-236		0.4	0.4	1.3	1.7	0	0	0	0	0	0	0
237-258		0.4	2.1	3	0.9	1.7	2.6	0.4	0	0	0	0
259-281		1.3	1.3	3.4	1.3	3	1.3	0.4	0	0	0	0
282-303		0.9	0.4	2.6	2.6	1.3	0.4	0	0	0	0	0
304-326		0	0.4	5.5	1.3	0.9	0.4	0.4	0	0	0	0
327-348		0	0.4	3	1.3	0.4	0	0	0	0	0	0

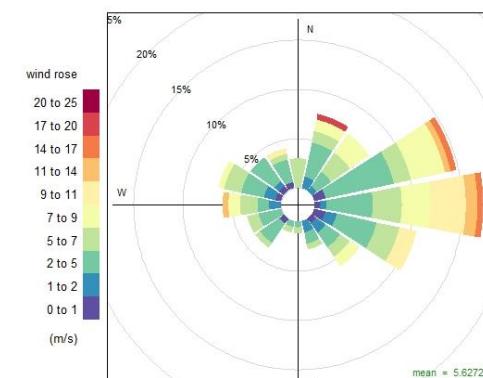


## Bhopal

July

500 hPa level

Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11		0	0	0	3	0	0	0	0	0	0	0
12-33		0	1.2	3.6	1.2	1.2	0	0	0	0.6	0	0
34-56		0	0.6	1.8	2.4	2.4	0	0	0	0	0	0
57-78		1.2	0	7.1	1.8	3.6	0	0.6	0.6	0	0	0
79-101		0.6	0.6	4.7	3	3	3.6	1.2	0.6	0	0	0
102-123		1.2	1.2	4.1	2.4	0	1.8	0	0	0	0	0
124-146		0.6	1.2	1.8	1.2	1.2	0	0	0	0	0	0
147-168		0	1.2	1.2	0.6	0	0	0	0	0	0	0
168-191		0	0	0.6	0.6	0	0	0	0	0	0	0
192-213		0	0	0.6	0.6	0	0	0	0	0	0	0
214-236		0.6	0	2.4	0.6	0	0	0	0	0	0	0
237-258		0	0	2.4	1.2	0	0	0	0	0	0	0
259-281		0	1.2	1.2	1.8	1.2	0	0.6	0	0	0	0
282-303		0.6	1.2	2.4	1.8	0.6	0	0	0	0	0	0
304-326		0.6	0.6	3	0	0	0	0	0	0	0	0
327-348		0.6	0	2.4	0.6	0	0.6	0	0	0	0	0

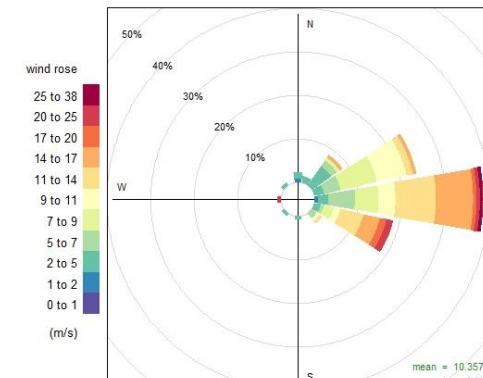


## Bhopal

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	0.8	1.6	0	0	0	0	0	0	0	0
12-33		0	0	1.6	0	0	0	0	0	0	0	0
34-56		0	0	5.4	1.6	0.8	0	0	0.8	0	0	0
57-78		0	0	2.3	3.9	8.5	7	1.6	0.8	0	0	0
79-101		0	0.8	2.3	6.2	5.4	3.9	9.3	8.5	0.8	0.8	0.8
102-123		0	0	1.6	0.8	2.3	1.6	5.4	3.9	1.6	1.6	0
124-146		0	0	0	1.6	0	0.8	0.8	0	0	0	0
147-168		0	0	0	0	0	0	0	0	0	0	0
168-191		0	0	0.8	0	0	0	0	0	0	0	0
192-213		0	0	0	0	0	0	0	0	0	0	0
214-236		0	0	0.8	0	0	0	0	0	0	0	0
237-258		0	0	0	0	0	0	0	0	0	0	0
259-281		0	0	0	0	0	0	0	0	0	0.8	0
282-303		0	0	0	0	0	0	0	0	0	0	0
304-326		0	0	0.8	0	0	0	0	0	0	0	0
327-348		0	0	0	0	0	0	0	0	0	0	0

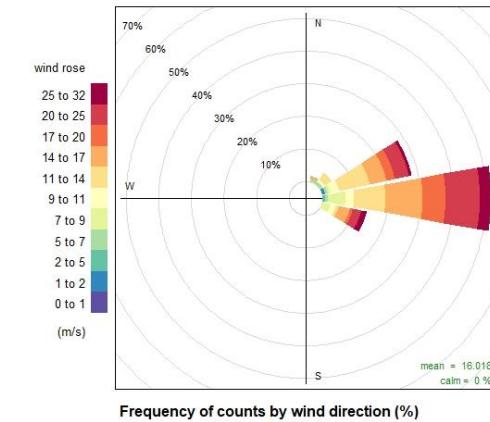


## Bhopal

July

200 hPa level

Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11		0	0	0	0	0	0	0	0	0	0	0
12-33		0	0	0	0.9	0	0	0	0.9	0	0	0
34-56		0	0	0	0.9	0	0.9	2.6	0	0	0	0
57-78		0	0.9	0	0.9	0.9	2.6	9.6	5.3	2.6	4.4	0.9
79-101		0	0	0.9	0.9	5.3	2.6	9.6	11.4	7	10.5	3.5
102-123		0	0	0	0	2.6	1.8	0.9	3.5	0.9	2.6	1.8
124-146		0	0	0	0	0	0	0	0	0	0	0
147-168		0	0	0	0	0	0	0	0	0	0	0
168-191		0	0	0	0	0	0	0	0	0	0	0
192-213		0	0	0	0	0	0	0	0	0	0	0
214-236		0	0	0	0	0	0	0	0	0	0	0
237-258		0	0	0	0	0	0	0	0	0	0	0
259-281		0	0	0	0	0	0	0	0	0	0	0
282-303		0	0	0	0	0	0	0	0	0	0	0
304-326		0	0	0	0	0	0	0	0	0	0	0
327-348		0	0	0	0	0	0	0	0	0	0	0

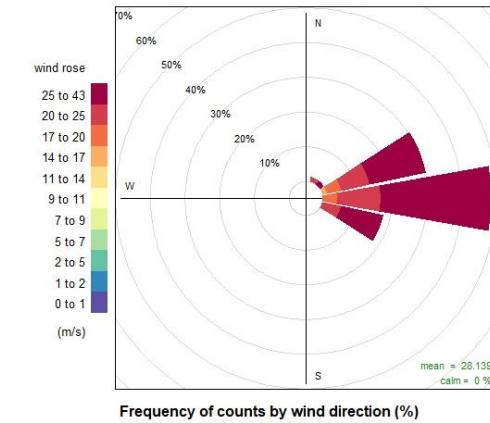


## Bhopal

July

100 hPa level

Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11		0	0	0	0	0	0	0	0	0	0	0
12-33		0	0	0	0	0	0	0	0	0	1.4	0
34-56		0	0	0	0	0	0	0	0	0	0	1.4
57-78		0	0	0	0	0	0	0	1.4	4.2	8.3	16.7
79-101		0	0	0	0	0	0	0	0	4.2	12.5	31.9
102-123		0	0	0	0	0	0	0	0	0	5.6	12.5
124-146		0	0	0	0	0	0	0	0	0	0	0
147-168		0	0	0	0	0	0	0	0	0	0	0
168-191		0	0	0	0	0	0	0	0	0	0	0
192-213		0	0	0	0	0	0	0	0	0	0	0
214-236		0	0	0	0	0	0	0	0	0	0	0
237-258		0	0	0	0	0	0	0	0	0	0	0
259-281		0	0	0	0	0	0	0	0	0	0	0
282-303		0	0	0	0	0	0	0	0	0	0	0
304-326		0	0	0	0	0	0	0	0	0	0	0
327-348		0	0	0	0	0	0	0	0	0	0	0



## Bhopal

August

1000 hPa level

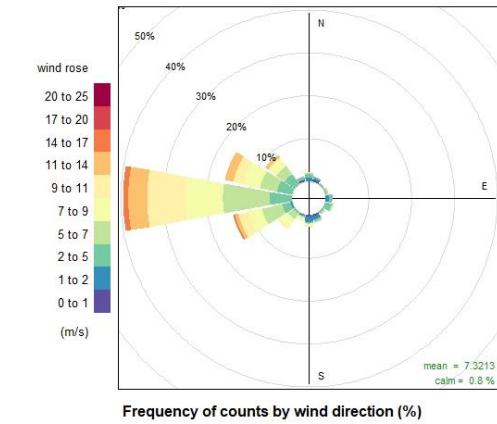
Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11												
12-33												
34-56												
57-78												
79-101												
102-123												
124-146												
147-168												
168-191												
192-213												
214-236												
237-258						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

## Bhopal

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	0.8	0.8	0.4	0	0	0	0	0	0	0
12-33		0.4	0.4	0.4	0	0	0	0	0	0	0	0
34-56		0	0	0.4	0	0	0	0	0	0	0	0
57-78		0	0	0.4	0.4	0	0	0	0	0	0	0
79-101		0	0.8	0.8	0	0	0	0	0	0	0	0
102-123		0	0	1.6	0.4	0	0	0	0	0	0	0
124-146		0	0	0.4	0.4	0	0	0	0	0	0	0
147-168		0.4	0.8	0.4	0.4	0	0	0	0	0	0	0
168-191		0.4	1.2	0.4	0	0.4	0.4	0	0	0	0	0
192-213		0	0.4	0	0.4	0.8	0	0	0	0	0	0
214-236		0	0	0.4	1.6	2.4	0.4	0	0	0	0	0
237-258		0	0.4	2	4.8	3.2	2.4	0.8	0.4	0	0	0
259-281		0	0	5.2	10.8	8.8	8.8	4.4	1.2	0	0	0
282-303		0	0	3.6	4	4	2.4	2	0	0	0	0
304-326		0	0	2.8	2.4	2	0.4	0.8	0	0	0	0
327-348		0.4	0	0.8	0	0	0	0	0	0	0	0

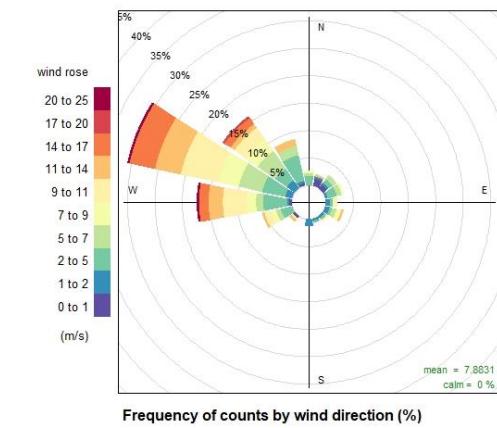


## Bhopal

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	0	1.7	0.4	0.4	0	0	0	0	0	0
12-33		1.3	0.4	0	0	0	0	0.4	0	0	0	0
34-56		0.9	0.4	0.9	0.9	0	0	0	0	0	0	0
57-78		0	0.4	1.7	0.9	0.4	0	0	0	0	0	0
79-101		0	0.9	0.4	0	0.4	0.4	0	0	0	0	0
102-123		0	0.9	0.4	0.9	0.9	0	0.4	0	0	0	0
124-146		0	0.4	0.4	0	0	0.4	0	0	0	0	0
147-168		0	0.4	0.4	0	0	0	0	0	0	0	0
168-191		0	1.3	0	0	0	0	0	0	0	0	0
192-213		0	0	0	0	0	0	0	0	0	0	0
214-236		0.4	0	0	0	0	0.4	0.4	0	0	0	0
237-258		0	0	2.2	0.9	0.9	1.3	0.4	0	0	0	0
259-281		0.4	0.4	4.3	1.3	1.7	4.3	2.6	1.7	0	0.4	0
282-303		0	1.3	4.3	4.3	3.9	6.9	4.8	4.8	0	0.4	0
304-326		0	1.7	2.6	3.9	2.6	2.6	0.9	1.3	0.4	0	0
327-348		0.4	0.4	4.8	1.7	0	0	1.3	0	0	0	0

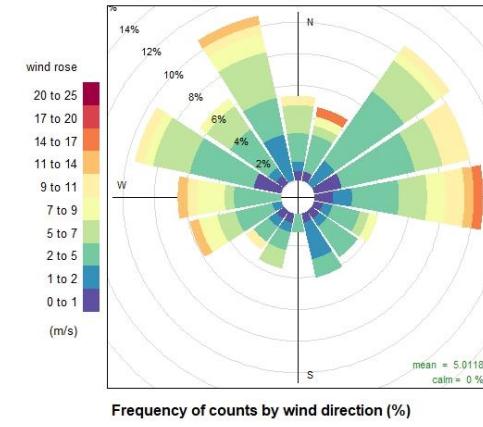


## Bhopal

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	0.6	0.6	1.8	1.8	0	0.6	0	0	0	0	0
12-33		0.6	0	2.4	0.6	0.6	0	0	0.6	0	0	0
34-56		0	1.8	5.3	2.4	0.6	0.6	0	0	0	0	0
57-78		1.8	0	4.7	1.8	0	1.8	0	0	0	0	0
79-101		1.2	1.2	3	1.8	1.2	1.2	0.6	0.6	0	0	0
102-123		0.6	0.6	1.8	0.6	0.6	0	0	0	0	0	0
124-146		0.6	0.6	2.4	0	0	0	0	0	0	0	0
147-168		0.6	2.4	1.2	0	0	0	0	0	0	0	0
168-191		0	0	1.2	0	0	0	0	0	0	0	0
192-213		0.6	0.6	1.2	1.2	0	0	0	0	0	0	0
214-236		0.6	0.6	1.2	0	0	0.6	0	0	0	0	0
237-258		0	0.6	2.4	1.2	1.2	0	0.6	0	0	0	0
259-281		0	0	3	0.6	1.8	0.6	0.6	0	0	0	0
282-303		1.8	0	4.1	2.4	0.6	0.6	0	0	0	0	0
304-326		0.6	0.6	3	1.8	0.6	0	0	0	0	0	0
327-348		0	3	2.4	3	1.2	0.6	0.6	0	0	0	0

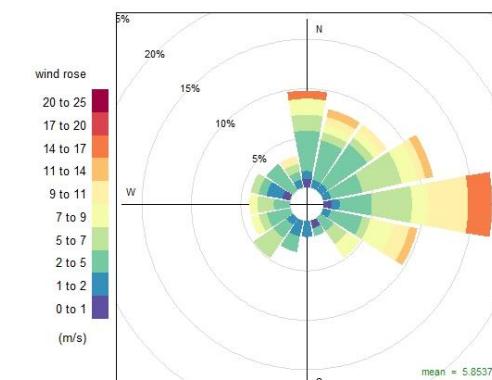


## Bhopal

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	1	0.8	0.8	4.1	1.6	1.6	0	0	0.8	0	0	0
12-33		0	0.8	4.1	0.8	0.8	0.8	0.8	0	0	0	0
34-56		0	0.8	4.9	0.8	0.8	0.8	0	0	0	0	0
57-78		0	0.8	3.3	4.1	1.6	0.8	0.8	0	0	0	0
79-101		0.8	0.8	3.3	4.1	1.6	4.1	0	2.4	0	0	0
102-123		0	0.8	3.3	0.8	2.4	1.6	0.8	0	0	0	0
124-146		0	0	1.6	1.6	1.6	0	0	0	0	0	0
147-168		0.8	0	0.8	0	0	0	0	0	0	0	0
168-191		0	1.6	0	0	0	0	0	0	0	0	0
192-213		0	1.6	1.6	0	0	0	0	0	0	0	0
214-236		0	0.8	1.6	2.4	0	0	0	0	0	0	0
237-258		0	0	2.4	0.8	0.8	0	0	0	0	0	0
259-281		0	0	1.6	1.6	0.8	0	0	0	0	0	0
282-303		0.8	1.6	0.8	0.8	0	0	0	0	0	0	0
304-326		0	0	3.3	0	0	0	0	0	0	0	0
327-348		0	0.8	0.8	0.8	0	0.8	0	0	0	0	0

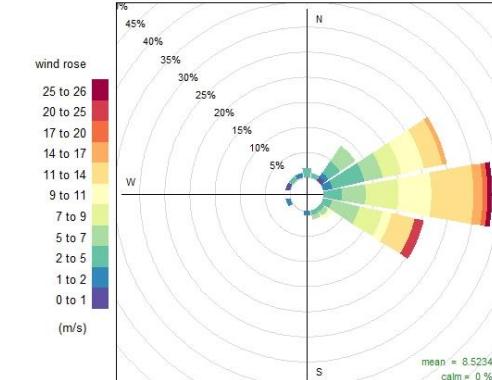


## Bhopal

August

300 hPa level

Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	0	0	0	1.9	0	0	0	0	0	0	0	0
12-33		0	0	0.9	0	0	0	0	0	0	0	0
34-56		0.9	0.9	2.8	3.7	0	0	0	0	0	0	0
57-78		0	1.9	6.5	3.7	3.7	4.7	3.7	0.9	0	0	0
79-101		0	0	3.7	4.7	6.5	6.5	8.4	1.9	0.9	0	0.9
102-123		0	0	1.9	5.6	4.7	1.9	4.7	0	0	1.9	0
124-146		0	0	0.9	0.9	0	0.9	0	0	0	0	0
147-168		0	0	0.9	0	0	0	0	0	0	0	0
168-191		0	0.9	0	0.9	0	0	0	0	0	0	0
192-213		0	0	0	0	0	0	0	0	0	0	0
214-236		0	0	0	0	0	0	0	0	0	0	0
237-258		0	0.9	0	0	0	0	0	0	0	0	0
259-281		0	0	0	0	0	0	0	0	0	0	0
282-303		0.9	0	0	0	0	0	0	0	0	0	0
304-326		0	0	0.9	0	0	0	0	0	0	0	0
327-348		0	0.9	0	0	0	0	0	0	0	0	0

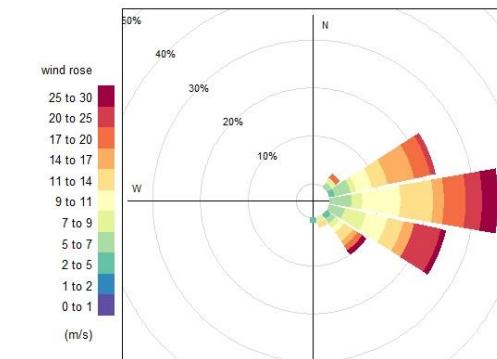


## Bhopal

August

200 hPa level

Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	0	0	0	0	0	0	0	0	0	0	0	0
12-33		0	0	0	0	0	0	0	0	0	0	0
34-56		0	0	0	1.1	1.1	0	0	0	1.1	0	0
57-78		0	0	1.1	3.4	1.1	3.4	3.4	5.7	3.4	1.1	0
79-101		0	0	0	4.5	2.3	8	6.8	2.3	4.5	3.4	3.4
102-123		0	0	0	3.4	4.5	4.5	3.4	2.3	0	5.7	1.1
124-146		0	0	1.1	1.1	1.1	1.1	2.3	1.1	1.1	0	1.1
147-168		0	0	0	0	1.1	0	1.1	0	0	0	0
168-191		0	0	1.1	0	0	0	0	0	0	0	0
192-213		0	0	0	0	0	0	0	0	0	0	0
214-236		0	0	0	0	0	0	0	0	0	0	0
237-258		0	0	0	0	0	0	0	0	0	0	0
259-281		0	0	0	0	0	0	0	0	0	0	0
282-303		0	0	0	0	0	0	0	0	0	0	0
304-326		0	0	0	0	0	0	0	0	0	0	0
327-348		0	0	0	0	0	0	0	0	0	0	0

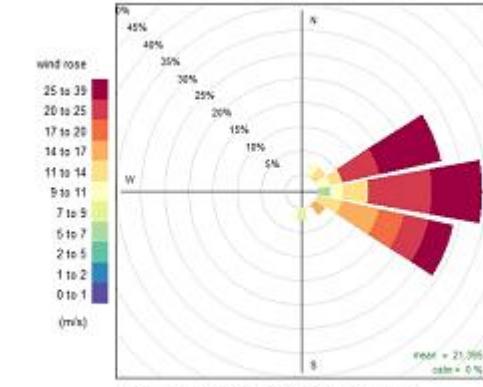


## Bhopal

August

100 hPa level

Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	0	0	0	0	0	0	0	0	0	0	0	0
12-33		0	0	0	0	0	2.6	0	0	0	0	0
34-56		0	0	0	0	0	0	2.6	0	0	0	0
57-78		0	0	0	0	0	2.6	2.6	0	0	7.9	13.2
79-101		0	0	0	2.6	0	2.6	5.3	0	0	13.2	10.5
102-123		0	0	0	0	0	0	5.3	7.9	5.3	5.3	5.3
124-146		0	0	0	0	0	0	0	2.6	0	0	0
147-168		0	0	0	0	0	0	0	0	0	0	0
168-191		0	0	0	0	2.6	0	0	0	0	0	0
192-213		0	0	0	0	0	0	0	0	0	0	0
214-236		0	0	0	0	0	0	0	0	0	0	0
237-258		0	0	0	0	0	0	0	0	0	0	0
259-281		0	0	0	0	0	0	0	0	0	0	0
282-303		0	0	0	0	0	0	0	0	0	0	0
304-326		0	0	0	0	0	0	0	0	0	0	0
327-348		0	0	0	0	0	0	0	0	0	0	0



## Bhopal

September

1000 hPa level

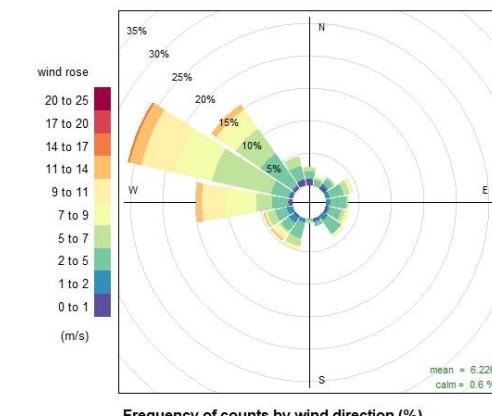
Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11												
12-33												
34-56												
57-78												
79-101												
102-123												
124-146												
147-168												
168-191												
192-213												
214-236												
237-258						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

## Bhopal

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		0.9	0	1.2	0.6	0	0	0	0	0	0	0
12-33		0	0	0.9	0.3	0.3	0	0	0	0	0	0
34-56		0.6	0.3	0.9	0.3	0	0	0	0	0	0	0
57-78		0	0.6	2.2	0.9	0.3	0.3	0	0	0	0	0
79-101		0	0.6	2.5	0.3	0	0	0	0	0	0	0
102-123		0.3	0.3	1.9	0.6	0.6	0	0	0	0	0	0
124-146		0	0.9	2.5	0	0.3	0.3	0	0	0	0	0
147-168		0.3	0.3	0.6	0	0	0	0	0	0	0	0
168-191		0	0	0.3	0.3	0	0	0	0	0	0	0
192-213		0	0.6	2.5	1.2	0.3	0.3	0	0	0	0	0
214-236		0.3	0.9	1.5	0.3	0.6	0.6	0.3	0	0	0	0
237-258		0	0.9	1.9	1.2	0.3	0	0.3	0	0	0	0
259-281		0.6	0	2.5	2.5	4.6	3.7	0.9	0	0	0	0
282-303		0.3	0.3	2.8	9.3	5.9	5.3	1.9	0.3	0	0	0
304-326		0.3	0.3	5.9	4.6	3.1	0.6	0.9	0	0	0	0
327-348		0.9	0	2.2	1.5	0	0	0	0	0	0	0

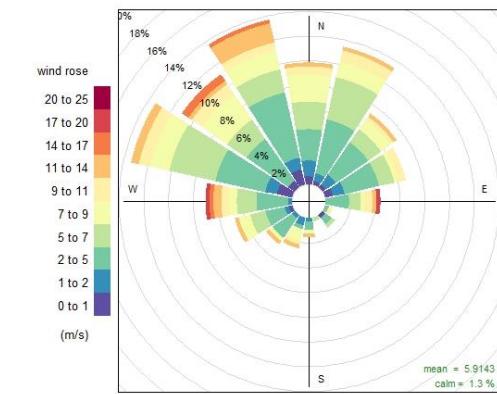


## Bhopal

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	1	0.6	1.3	2.5	2.2	2.2	0.6	0.3	0	0	0	0
12-33		0.3	0.6	4.4	3.5	1.3	1	0.3	0	0	0	0
34-56		0.3	1	3.2	1.3	1	0.3	0.3	0	0	0	0
57-78		0.6	1	2.9	1.3	0.3	0.6	0	0	0	0	0
79-101		0	0	1.9	1	0.3	0.6	0.3	0	0.3	0	0
102-123		0	0	0.3	0	0	0.3	0	0	0	0	0
124-146		0.3	0	0.6	0.3	0	0	0	0	0	0	0
147-168		0	0	0	0.3	0	0	0	0	0	0	0
168-191		0	0.3	0.6	0	0.3	0	0.3	0	0	0	0
192-213		0	0.6	0.3	0	1	0.3	0.3	0	0	0	0
214-236		0	0.3	1.9	0	0.3	0	0.3	0	0	0	0
237-258		0.3	0.3	1.6	1.3	1	0	0.3	0	0	0	0
259-281		0	0.3	2.5	1.6	0.6	0.6	0.6	0.3	0.3	0	0
282-303		1.3	1	4.1	3.8	1.6	1	0.6	0	0	0	0
304-326		0.6	0	4.1	1.9	2.5	1	0.3	0.6	0	0	0
327-348		1.3	1	5.4	1.9	1.6	0.6	1.6	0.3	0	0	0

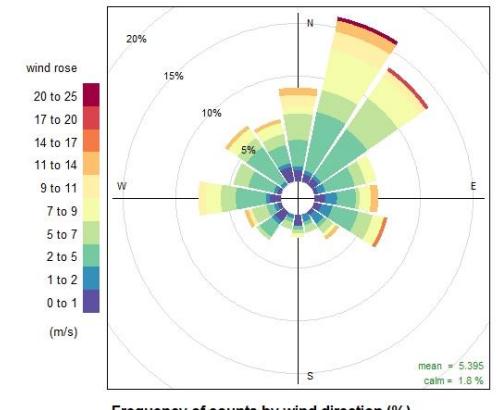


## Bhopal

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	2	1.1	0.4	2.5	2.5	0.7	1.1	0.7	0	0	0	0
12-33		0.7	0.4	5.7	2.1	3.9	1.8	1.1	0	0	0.4	0
34-56		0.7	0.4	5.3	3.6	2.5	0.7	0	0	0.4	0	0
57-78		0.4	0.7	2.8	1.1	1.1	0	0	0	0	0	0
79-101		1.1	1.1	1.8	0.4	1.1	0	0.7	0	0	0	0
102-123		0.7	1.1	2.5	1.4	1.1	0	0	0.4	0	0	0
124-146		0.4	1.1	0.4	0.7	0.4	0	0.4	0	0	0	0
147-168		0	0.4	0.4	0.7	0	0	0	0	0	0	0
168-191		1.1	0.4	0.4	0.4	0	0	0	0	0	0	0
192-213		0	0.4	0.4	0.7	0	0	0	0	0	0	0
214-236		1.1	0.4	1.4	0.4	0	0	0	0	0	0	0
237-258		0.4	0.4	0.7	1.4	0	0.4	0.4	0	0	0	0
259-281		1.1	0.4	2.8	1.4	1.4	0.7	0	0	0	0	0
282-303		0.4	0.4	2.5	1.4	0	0	0	0	0	0	0
304-326		0	0.4	3.9	1.1	1.1	0	0.4	0	0	0	0
327-348		1.4	0.4	1.8	1.1	1.1	0	0.4	0	0	0	0

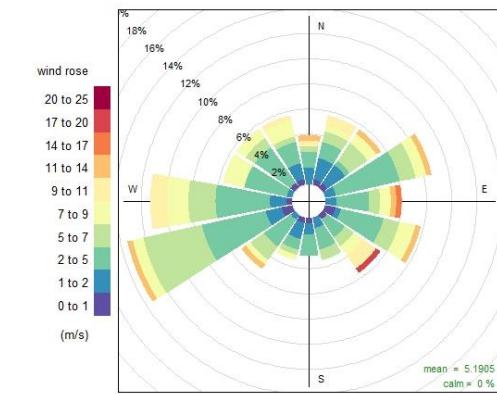


## Bhopal

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

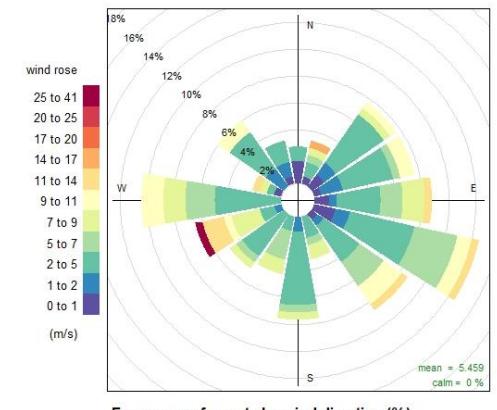


## Bhopal

September

300 hPa level

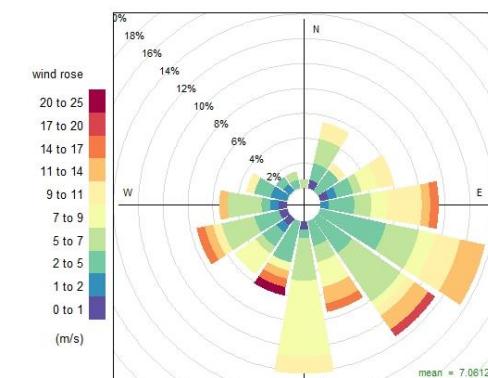
Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	0	1.6	0	1.1	0	0	0	0	0	0	0	0
12-33		0.5	0	1.1	0.5	0.5	0	0	0.5	0	0	0
34-56		1.1	1.1	4.4	0	0.5	0.5	0	0	0	0	0
57-78		0.5	1.6	3.8	0.5	0	1.1	0	0	0	0	0
79-101		1.1	0.5	3.3	1.6	1.6	0	0.5	0	0	0	0
102-123		1.6	1.1	4.9	3.3	0	1.1	0.5	0	0	0	0
124-146		0.5	0.5	3.3	2.2	0	1.6	0.5	0	0	0	0
147-168		0	0	1.6	0.5	1.1	0	0	0	0	0	0
168-191		0	1.1	5.5	0.5	0.5	0	0	0	0	0	0
192-213		0	0	1.1	2.2	1.1	0	0	0	0	0	0
214-236		0	0	3.8	0.5	0.5	0	0	0	0	0	0
237-258		0	0.5	1.1	0	2.2	0.5	1.6	0	0	0	0.5
259-281		0	0	4.9	2.2	1.6	1.6	0	0	0	0	0
282-303		0.5	0	0.5	0	0.5	0	0.5	0	0	0	0
304-326		0	1.6	3.3	0	0	1.1	0	0	0	0	0
327-348		0.5	1.1	1.6	0	0	0	0	0	0	0	0



## Bhopal

## **September                    200 hPa level**

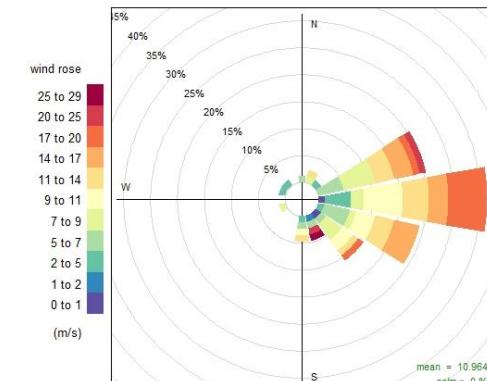
Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	0	0	0	0	0.7	0	0	0	0	0	0	0
12-33		0.7	0	1.4	2	0	1.4	0	0	0	0	0
34-56		0	0	2	0	0	0.7	0	0	0	0	0
57-78		0.7	0.7	1.4	0.7	1.4	1.4	0	0	0	0	0
79-101		0	0.7	2	1.4	1.4	2.7	0.7	0.7	0	0	0
102-123		0	0	5.4	2.7	1.4	2	2	0	0	0	0
124-146		0	0	3.4	4.8	0.7	0.7	1.4	0	0.7	0	0
147-168		0	0	2	0.7	2	0	1.4	0.7	0	0	0
168-191		0.7	0	0.7	4.1	6.1	1.4	0	0	0	0	0
192-213		0	0	3.4	0	0.7	0	0.7	0.7	0	0.7	0
214-236		0.7	0.7	1.4	0.7	2	0	0	0	0	0	0
237-258		0.7	0	2	2.7	0	0.7	0.7	0.7	0	0	0
259-281		0.7	0.7	0.7	2.7	0	0	0.7	0	0	0	0
282-303		0	1.4	1.4	0	0	0.7	0	0	0	0	0
304-326		0	0.7	0.7	0	0	0	0	0	0	0	0
327-348		0	0	0.7	0.7	0	0	0	0	0	0	0



#### Frequency of counts by wind direction (%)

## Bhopal

## **September                  100 hPa level**



#### Frequency of counts by wind direction (%)

## Bhopal

October

1000 hPa level

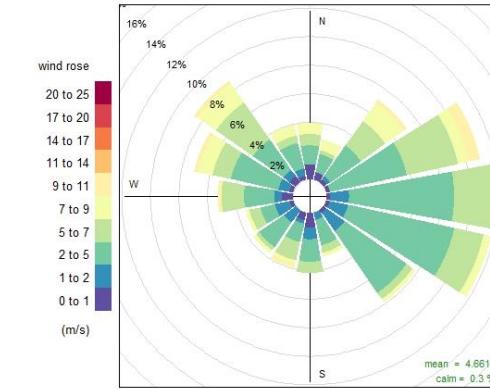
Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11												
12-33												
34-56												
57-78												
79-101												
102-123												
124-146												
147-168												
168-191												
192-213												
214-236												
237-258						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

## Bhopal

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	0	1.3	0.8	0.8	0	0	0	0	0	0
12-33		0.5	0	1.3	0.3	0.8	0	0	0	0	0	0
34-56		0.3	0.3	2.6	2.1	1.6	0.3	0	0	0	0	0
57-78		0.3	0	5.5	3.7	0.8	0.8	0	0	0	0	0
79-101		0.3	1.3	7.3	2.9	0	0	0	0	0	0	0
102-123		0.3	1.3	7.6	2.1	0.5	0	0	0	0	0	0
124-146		0.3	1.6	5.2	0.5	0.3	0	0	0	0	0	0
147-168		0	0.5	1.8	0.5	0.3	0	0	0	0	0	0
168-191		1	0.8	1.6	0.8	0	0	0	0	0	0	0
192-213		0.5	0.3	1.3	1.3	0.3	0.3	0	0	0	0	0
214-236		0	1	2.1	0.3	0.3	0	0	0	0	0	0
237-258		0.3	1	1	0.8	0.3	0	0	0	0	0	0
259-281		0.8	0.5	2.1	1.6	0	0.3	0	0	0	0	0
282-303		0.3	0.8	3.4	1.3	1	0.3	0	0	0	0	0
304-326		0.5	0.5	2.6	3.1	1.6	0.3	0	0	0	0	0
327-348		0.3	0.5	1.8	0.5	0.8	0	0	0	0	0	0

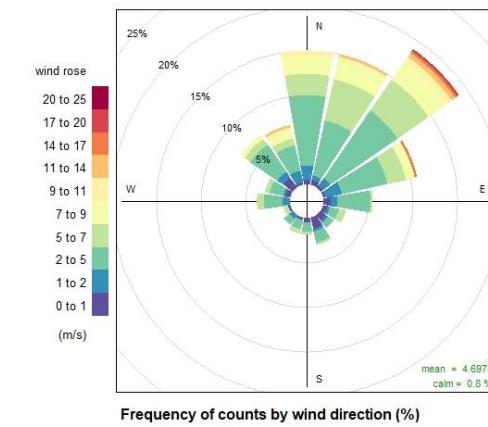


## Bhopal

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		0.5	1.6	7.9	2.4	2.1	0.5	0	0	0	0	0
12-33		0.5	0.5	6.3	4.7	2.4	0.3	0.3	0	0	0	0
34-56		0.3	1.1	9.2	4.2	2.6	0.5	0.5	0.3	0.3	0	0
57-78		0.3	1.8	5.3	2.1	1.1	0	0	0.3	0	0	0
79-101		0.8	0.8	3.7	0.3	0	0	0	0	0	0	0
102-123		0.5	0.3	1.1	0.8	0	0	0	0	0	0	0
124-146		0.8	0.3	0.8	0	0	0	0	0	0	0	0
147-168		1.3	0.3	1.3	0.3	0	0	0	0	0	0	0
168-191		0.5	0	1.1	0.3	0	0	0	0	0	0	0
192-213		0.3	0	1.1	0.5	0	0	0	0	0	0	0
214-236		0	0.5	0.8	0	0	0	0	0	0	0	0
237-258		0.3	0	0	0.5	0	0	0	0	0	0	0
259-281		0	0.8	2.1	0.8	0	0	0	0	0	0	0
282-303		0.5	0.3	1.6	0.5	0	0	0	0	0	0	0
304-326		1.3	0.8	3.7	0.8	0.5	0	0	0	0	0	0
327-348		0.3	1.3	2.9	0.8	1.1	0.3	0.3	0	0	0	0

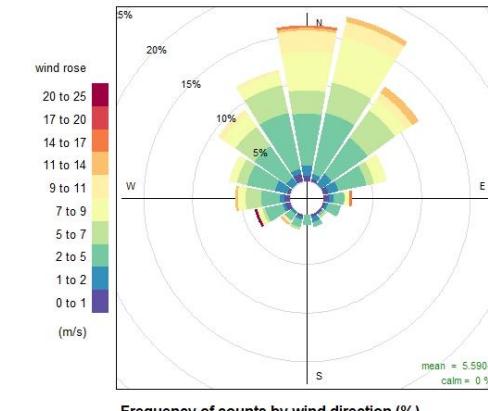


## Bhopal

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		0.5	1.1	5.3	2.4	4	2.1	0.3	0.3	0	0	0
12-33		0.3	0.5	6.4	3.2	4.8	1.6	0.5	0	0	0	0
34-56		0	1.3	4.5	3.5	1.3	0.8	0.8	0	0	0	0
57-78		0.5	1.1	2.9	0.8	1.3	0	0	0	0	0	0
79-101		0.5	0.5	1.1	0	0.5	0	0	0.3	0	0	0
102-123		0.3	0.3	1.3	0	0	0	0	0	0	0	0
124-146		0.3	0	0.3	0.3	0	0	0	0	0	0	0
147-168		0.3	0.3	0.5	0	0	0	0	0	0	0	0
168-191		0	0.3	1.1	0	0	0	0	0	0	0	0
192-213		0.3	0.3	0.8	0.3	0	0	0	0	0	0	0
214-236		0	0.3	0.8	0	0	0.3	0.3	0	0	0	0
237-258		0.5	0.3	1.9	0.3	0.5	0	0	0	0	0.3	0
259-281		0.5	0.5	1.9	1.6	0.8	0	0.3	0	0	0	0
282-303		0.3	1.3	2.9	1.1	0.8	0	0	0	0	0	0
304-326		0	0.8	4	2.4	1.6	0.5	0	0	0	0	0
327-348		0.8	0.5	5.9	2.9	1.3	0.3	0	0	0	0	0

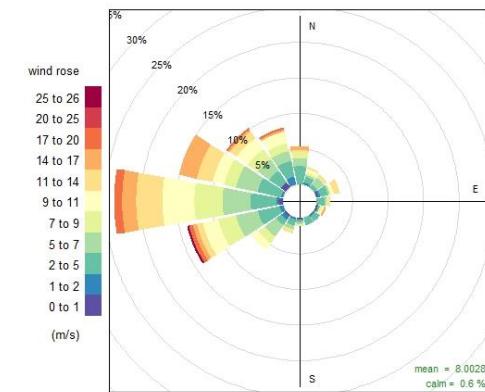


## Bhopal

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	1	0	0	2.5	1.1	0.8	0	0.3	0.6	0	0	0
12-33		0	0.3	0.8	0.3	0.3	0.6	0.3	0	0	0	0
34-56		0	0	0.6	1.1	0.3	0	0.3	0	0	0	0
57-78		0.3	0.3	1.1	0.3	0	0.6	0.8	0	0	0	0
79-101		0	0	1.1	0.3	0.3	0	0.3	0	0	0	0
102-123		0.3	0	0.3	0	0.3	0.3	0	0.3	0	0	0
124-146		0	0.3	0.8	0	0	0	0	0	0	0	0
147-168		0	0	1.1	0	0	0	0	0	0	0	0
168-191		0.3	0	0.3	0.3	0.3	0	0	0	0	0	0
192-213		0	0.3	0.8	0.6	0.3	0	0.3	0	0	0	0
214-236		0.3	0.6	0.8	2	1.1	1.1	0	0	0	0	0
237-258		0	0.6	3.1	3.1	2.5	2.3	0.8	0.6	0.6	0	0.3
259-281		0.6	0.3	3.7	4	4	4.5	3.7	2	1.1	0	0
282-303		0	0.3	3.4	3.1	1.7	1.7	2.3	2.5	0	0	0
304-326		0.8	0	2	2	1.7	2	1.1	0.3	0.3	0	0
327-348		0	1.1	2.3	1.4	1.1	1.7	0	0.3	0.3	0	0

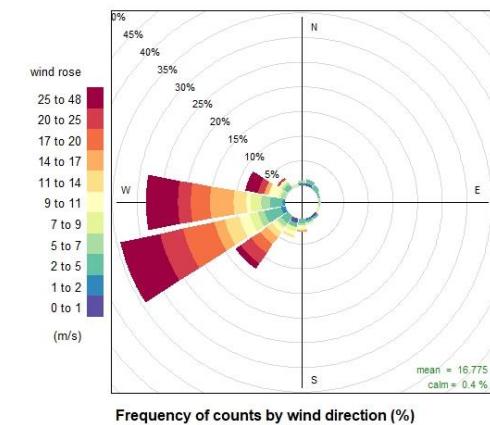


## Bhopal

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	0.4	0	0.4	0	0	0	0	0	0	0
12-33		0.4	0	0.9	0	0	0	0	0	0	0	0
34-56		0	0	0.9	0	0	0	0	0	0	0	0
57-78		0	0	0.4	0	0	0	0	0	0	0	0
79-101		0	0	0	0.4	0	0	0	0	0	0	0
102-123		0	0	0	0	0.4	0	0	0	0	0	0
124-146		0.4	0	0.4	0	0	0	0	0	0	0	0
147-168		0	0.4	0.4	0	0.4	0	0	0	0	0	0
168-191		0	0	0.9	0.4	0	0.9	0	0.4	0	0	0
192-213		0.9	0	0.9	0	0.9	0.9	0.4	0	0	0	0
214-236		0	0	1.7	0.9	0.4	0.9	1.3	1.7	2.2	2.6	1.3
237-258		0	0.9	3.5	1.3	1.7	2.2	3	2.2	6.5	4.8	8.2
259-281		0	0.4	2.6	1.7	2.2	0.9	2.6	4.8	3.9	2.6	6.5
282-303		0	0	0	0.9	0.4	2.2	0	0.9	0	1.3	2.6
304-326		0	0	0.9	0.4	0.4	0.4	0	0	0	0.4	0
327-348		0	0	0	0	0.4	0	0	0	0	0	0

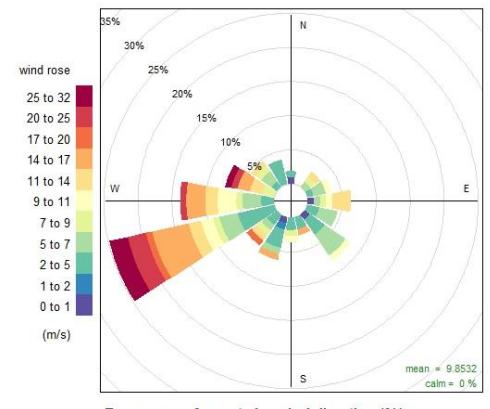


## Bhopal

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		0.9	0	0.9	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	0.9	0.9	0	0.9	0	0	0	0
57-78		0	0	0.9	1.8	0	0.9	0	0	0	0	0
79-101		0.9	0	0	0.9	0.9	0.9	2.8	0	0	0	0
102-123		0	0	1.8	2.8	0	0	0	0	0	0	0
124-146		0.9	0	2.8	3.7	0	0.9	0	0	0	0	0
147-168		0	0	1.8	0	0	0	0	0.9	0	0	0
168-191		0	0	1.8	0	0.9	0.9	0	0	0	0	0
192-213		0.9	0.9	2.8	0.9	0	0	0	0.9	0	0	0
214-236		0	0	1.8	0.9	0.9	0	0.9	0	0.9	0	0
237-258		0	0	5.5	2.8	0.9	1.8	1.8	5.5	0.9	2.8	2.8
259-281		0	0	1.8	2.8	0.9	2.8	1.8	2.8	0	0.9	0
282-303		0	0	0	0	1.8	0	1.8	1.8	0	0.9	0.9
304-326		0	0	0.9	1.8	0.9	0	0.9	0	0	0	0
327-348		0	0	3.7	0	0	0	0	0	0	0	0



## Bhopal

November

1000 hPa level

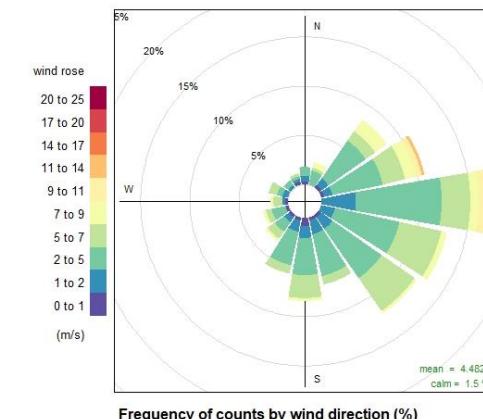
Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11												
12-33												
34-56												
57-78												
79-101												
102-123												
124-146												
147-168												
168-191												
192-213												
214-236												
237-258						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

## Bhopal

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		0.3	0.6	0.9	0	0	0	0	0	0	0	0
12-33		0	0	1.5	0.3	0.6	0	0	0	0	0	0
34-56		0.3	0.9	4.7	1.2	1.5	0	0	0	0	0	0
57-78		0.3	0.9	5.2	2.3	1.2	0.6	0.3	0	0	0	0
79-101		0	3.5	8.7	2.9	0.9	1.2	0	0	0	0	0
102-123		0	1.5	6.7	4.4	0.6	0	0	0	0	0	0
124-146		0.3	1.5	6.1	4.1	0.3	0	0	0	0	0	0
147-168		0.3	1.5	4.4	0.9	0	0	0	0	0	0	0
168-191		0.9	1.2	3.8	2.3	0.3	0	0	0	0	0	0
192-213		0.3	1.2	3.5	0.9	0	0	0	0	0	0	0
214-236		0.3	0.6	1.2	0.9	0.3	0	0	0	0	0	0
237-258		0.3	0	1.5	0.6	0.3	0	0	0	0	0	0
259-281		0.3	0.3	0	0.9	0.3	0	0	0	0	0	0
282-303		0	0.6	0.6	0.9	0	0	0	0	0	0	0
304-326		0	0.3	0.6	0	0	0	0	0	0	0	0
327-348		0.3	0.3	0.3	0.3	0	0	0	0	0	0	0

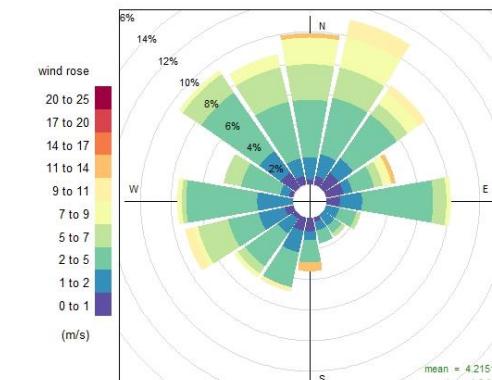


## Bhopal

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	1	0.3	1.5	3.8	2.3	1.7	0	0.3	0	0	0	0
12-33		0.6	1.5	3.8	2	2	1.2	0	0	0	0	0
34-56		1.2	1.2	3.5	0.9	0.9	0.6	0	0	0	0	0
57-78		1.2	0.6	1.5	0.6	0.6	0	0.3	0	0	0	0
79-101		0.9	1.5	4.7	0.9	0.3	0	0	0	0	0	0
102-123		0	0.9	1.2	0.3	0	0	0	0	0	0	0
124-146		0	0.9	0.6	0.3	0	0	0	0	0	0	0
147-168		0.3	0.6	0.9	0	0	0	0	0	0	0	0
168-191		0.9	0.6	1.5	0	0	0	0.6	0	0	0	0
192-213		0.9	1.5	2.3	0	0	0.3	0	0	0	0	0
214-236		0.3	1.2	2.6	0.6	0.3	0	0	0	0	0	0
237-258		0.6	1.7	2	2	0.3	0.6	0	0	0	0	0
259-281		0	2.3	4.7	0.3	0.3	0	0	0	0	0	0
282-303		0.3	0.6	2.6	1.2	0	0	0	0	0	0	0
304-326		1.2	1.7	4.7	1.5	0.3	0	0	0	0	0	0
327-348		0.6	1.2	3.8	2.3	0.9	0	0	0	0	0	0

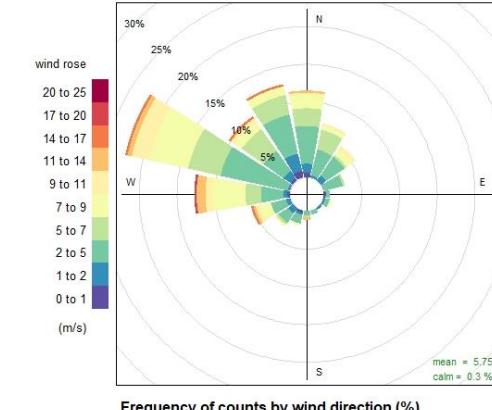


## Bhopal

November

700 hPa level

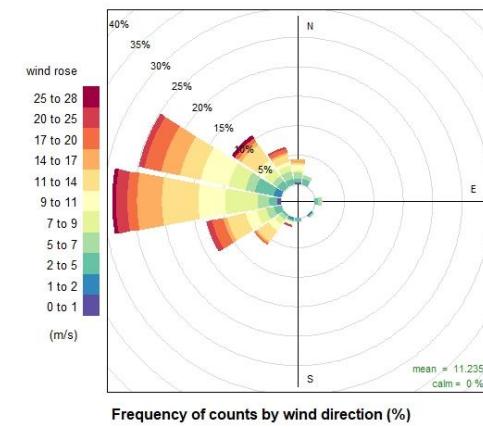
Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	0	0.6	1.2	5	2.4	1.8	0.3	0.3	0	0	0	0
12-33		0	0.3	3.5	2.6	0.6	0.3	0	0	0	0	0
34-56		0	0.9	2.9	0.3	0.9	0.6	0	0	0	0	0
57-78		0	0	2.6	0.3	0	0	0	0	0	0	0
79-101		0.3	0	0.6	0	0	0	0	0	0	0	0
102-123		0	0.3	0.6	0	0.3	0	0	0	0	0	0
124-146		0	0.3	0	0	0	0	0	0	0	0	0
147-168		0	0	0.6	0	0	0	0	0	0	0	0
168-191		0	0	0.6	0.3	0	0	0.3	0	0	0	0
192-213		0.3	0.3	1.2	0	0.3	0	0	0	0	0	0
214-236		0	0.9	1.5	0.3	0.3	0	0	0	0	0	0
237-258		0	0.6	2.1	0	1.5	0.6	0.3	0.3	0	0	0
259-281		0.3	0.6	2.9	2.1	4.4	0.9	1.2	0	0.3	0	0
282-303		0	0.3	9.1	4.4	5.3	2.4	0.6	0.3	0	0	0
304-326		0.3	1.2	3.2	3.5	1.2	0.6	0	0.3	0	0	0
327-348		0.9	2.4	5.3	2.6	1.2	0	0	0.3	0	0	0



## Bhopal

November      500 hPa level

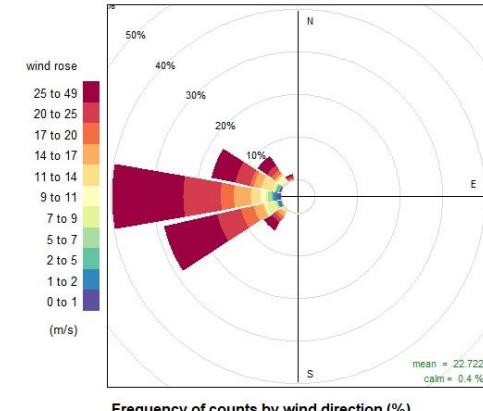
Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	0	0.3	0	0.7	1	0.3	1	0.3	0.7	0	0	0
12-33		0	0	1	0.7	0	0	0	0	0	0	0
34-56		0	0	0	0	0	0	0	0	0	0	0
57-78		0	0	0	0	0	0	0	0	0	0	0
79-101		0	0	0.7	0.7	0	0	0	0	0	0	0
102-123		0	0	0	0	0	0	0	0	0	0	0
124-146		0	0.3	0	0.3	0	0	0	0	0	0	0
147-168		0	0	0	0	0	0	0	0	0	0	0
168-191		0	0	0.7	0	0	0	0	0	0	0	0
192-213		0	0.3	0.3	0	0	0.7	0	0	0	0.3	0
214-236		0	0	0.3	0.7	1	1.3	2.3	0.3	0.3	0	0
237-258		0	0	1.3	1.3	1.6	2	3.3	0.7	2	1	0
259-281		0.7	0	1.3	2	5.5	4.6	6.2	4.2	1.6	2	0.7
282-303		0	1.3	3.3	1.6	2.9	4.9	3.6	3.3	2.9	1	0
304-326		0	0	1.3	1	1.6	1.6	3.3	0.7	0.7	0	0.7
327-348		0	0	1	1.3	1	0.7	1.3	0.3	0.7	0.3	0



## Bhopal

November      300 hPa level

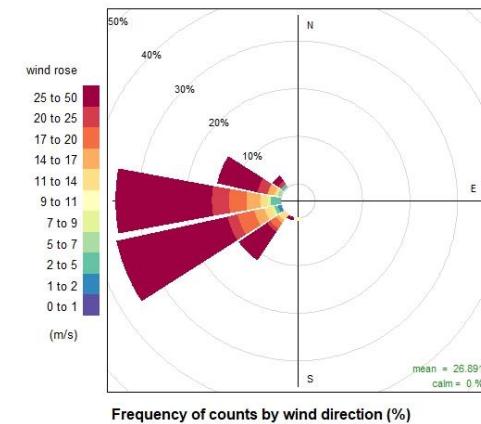
Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	0	0	0	0	0	0	0	0	0	0	0	0
12-33		0	0	0	0	0	0	0	0	0	0	0
34-56		0	0	0	0	0	0	0	0	0	0	0
57-78		0	0	0	0	0	0	0	0	0	0	0
79-101		0	0	0	0	0	0	0	0	0	0	0
102-123		0	0	0	0	0	0	0	0	0	0	0
124-146		0	0	0	0	0	0	0	0	0	0	0
147-168		0	0	0	0	0	0	0	0	0	0	0
168-191		0	0	0	0.4	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	0.9	0.9	0.9	0.9	2.2
237-258		0	0.9	0	0.4	2.2	0.4	0.4	2.2	3.1	5.7	12.8
259-281		0.9	0.9	0.4	0.9	0.4	1.3	2.2	4	3.1	8.8	16.7
282-303		0.4	0	0.9	0	0.9	0	2.6	1.8	0.9	3.5	5.7
304-326		0	0	0	0	0.4	1.3	0.4	0.4	0.9	1.3	2.6
327-348		0	0	0	0	0	0	0	0	0.4	0.4	0.4



## Bhopal

November      200 hPa level

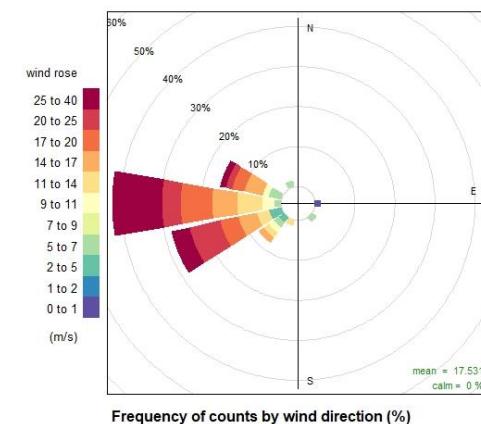
Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	0	0	0	0	0	0	0	0	0	0	0	0
12-33	0	0	0	0	0	0	0	0	0	0	0	0
34-56	0	0	0	0	0	0	0	0	0	0	0	0
57-78	0	0	0	0	0	0	0	0	0	0	0	0
79-101	0	0	0	0	0	0	0	0	0	0	0	0
102-123	0	0	0	0	0	0	0	0	0	0	0	0
124-146	0	0	0	0	0	0	0	0	0	0	0	0
147-168	0	0	0	0	0	0	0	0	0	0	0	0
168-191	0	0	0	0	0	0.7	0	0	0	0	0	0
192-213	0	0	0	0	0	0	0	0	0	0	0	0.7
214-236	0	0	0	0	0	0	1.4	0.7	1.4	0.7	7.2	
237-258	0	0.7	0.7	0	0.7	0	1.4	2.2	3.6	2.2	23.9	
259-281	0	0	2.2	0	0.7	0	1.4	2.9	3.6	3.6	20.3	
282-303	0	0	0	0.7	0	0	0.7	1.4	0	2.2	8.7	
304-326	0	0	0.7	0	0	0	0	0	0	0.7	1.4	
327-348	0	0	0	0	0	0	0	0	0	0	0	0



## Bhopal

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	0
12-33	0	0	0	0	0	0	0	0	0	0	0	0
34-56	0	0	0	0	0	0	0	0	0	0	0	0
57-78	0	0	0	0	0	0	0	0	0	0	0	0
79-101	1.6	0	0	0	0	0	0	0	0	0	0	0
102-123	0	0	0	0	0	0	0	0	0	0	0	0
124-146	0	0	0	1.6	0	0	0	0	0	0	0	0
147-168	0	0	0	0	0	0	0	0	0	0	0	0
168-191	0	0	0	0	0	0	0	0	0	0	0	0
192-213	0	0	0	0	0	0	1.6	0	0	0	0	0
214-236	0	0	1.6	1.6	0	1.6	1.6	1.6	0	0	0	0
237-258	0	0	3.1	0	0	0	3.1	4.7	4.7	7.8	4.7	4.7
259-281	0	0	0	1.6	0	3.1	6.2	6.2	7.8	4.7	12.5	
282-303	0	0	0	3.1	0	1.6	0	4.7	3.1	1.6	1.6	
304-326	0	0	0	0	0	0	0	0	0	0	0	0
327-348	0	0	0	1.6	0	0	0	0	0	0	0	0



## Bhopal

December

1000 hPa level

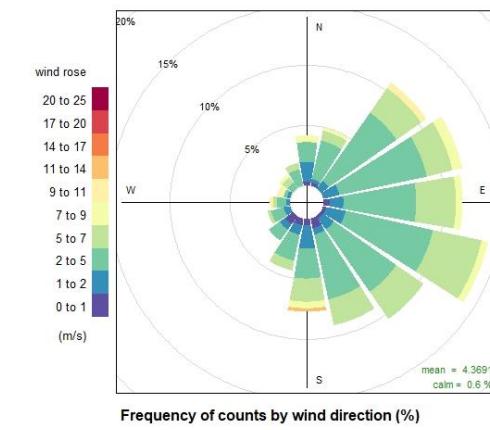
Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11												
12-33												
34-56												
57-78												
79-101												
102-123												
124-146												
147-168												
168-191												
192-213												
214-236												
237-258						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

## Bhopal

December

925 hPa level

Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	0.3	1.7	1.7	0	0.6	0	0	0	0	0	0	0
12-33	0.3	0.3	3.3	0.8	0.3	0	0	0	0	0	0	0
34-56	0	0.8	6.9	2.5	0	0.6	0	0	0	0	0	0
57-78	0	1.4	7.4	2.2	0.8	0	0	0	0	0	0	0
79-101	0.6	1.1	6.1	3.3	0.6	0	0	0	0	0	0	0
102-123	0.3	1.7	7.4	4.1	0.6	0	0	0	0	0	0	0
124-146	0.3	1.1	6.3	2.8	0	0	0	0	0	0	0	0
147-168	0.8	0.6	5.5	2.2	0	0	0	0	0	0	0	0
168-191	0.6	1.9	2.5	1.9	0.6	0	0.3	0	0	0	0	0
192-213	0.6	0.8	2.2	0.8	0	0	0	0	0	0	0	0
214-236	0.8	0.6	1.1	0	0	0	0	0	0	0	0	0
237-258	0	0.6	1.1	0.3	0	0	0	0	0	0	0	0
259-281	0	0.3	0.8	0.3	0	0.3	0	0	0	0	0	0
282-303	0	0.3	0.3	0	0.3	0.3	0	0	0	0	0	0
304-326	0	0	0.6	0.6	0.3	0	0	0	0	0	0	0
327-348	0	0	1.4	0.6	0	0	0	0	0	0	0	0

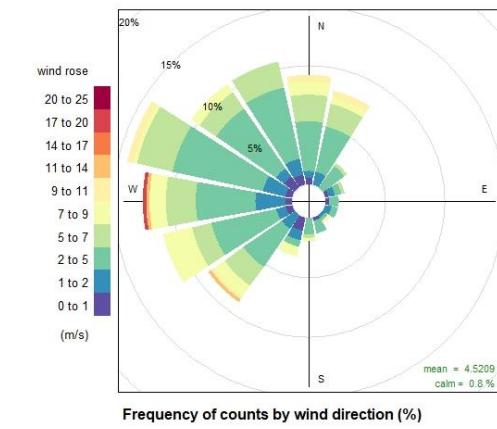


## Bhopal

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		0.6	0.6	4.2	2.2	1.1	0.6	0	0	0	0	0
12-33		0	1.1	3.9	1.9	0.6	0.6	0	0	0	0	0
34-56		0	0	2.2	0.3	0	0	0	0	0	0	0
57-78		0.3	0.6	0.6	0.3	0	0	0	0	0	0	0
79-101		0.3	0	0.8	0	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	0.3	0.3	0	0.3	0	0	0	0	0	0
147-168		0.3	0	1.1	0	0	0	0	0	0	0	0
168-191		0	0	1.4	0.3	0.3	0	0	0	0	0	0
192-213		1.1	0.8	0.6	0	0.8	0	0	0	0	0	0
214-236		0	1.4	3.9	1.9	1.1	0.3	0.3	0	0	0	0
237-258		0.6	0.8	5.6	1.7	2.5	0	0	0	0	0	0
259-281		0.6	2.5	5	2.5	1.4	0	0.3	0	0.3	0	0
282-303		0.6	1.9	7.8	3.1	0.3	0.6	0	0	0	0	0
304-326		1.1	0.8	6.1	1.7	0.8	0	0	0	0	0	0
327-348		0.8	1.4	6.1	2.2	0	0	0	0	0	0	0

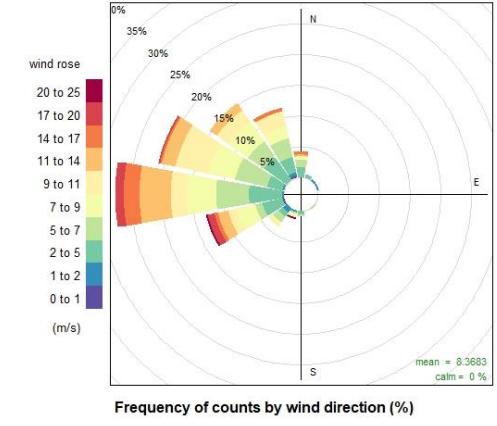


## Bhopal

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	1.7	1.1	0.6	0	0.3	0.6	0	0	0
12-33		0	0	0.6	0	0	0	0	0	0	0	0
34-56		0	0.3	0	0	0	0	0	0	0	0	0
57-78		0	0.3	0	0	0	0	0	0	0	0	0
79-101		0	0	0	0	0	0	0	0	0	0	0
102-123		0	0	0	0	0	0	0	0	0	0	0
124-146		0	0	0	0.3	0	0	0	0	0	0	0
147-168		0	0	0	0	0	0	0	0	0	0	0
168-191		0	0	0.6	0.3	0	0	0	0	0	0	0
192-213		0	0.3	0	0.3	0.3	0.3	0	0	0	0.3	0
214-236		0	0.8	0.8	1.1	0.3	0.6	0	0	0	0	0
237-258		0.3	0	3.4	1.1	3.1	1.4	1.7	0.6	1.1	0.3	0
259-281		0	0.3	5.4	5.4	4.8	2.5	5.1	2.5	1.4	0	0
282-303		0	0.3	2.5	5.4	4.5	5.4	2.3	0.3	0.3	0	0
304-326		0	0	4.5	3.1	4	2.3	1.4	0	0	0	0
327-348		0.3	0.6	2.5	3.1	2	2.5	0	0.6	0	0	0

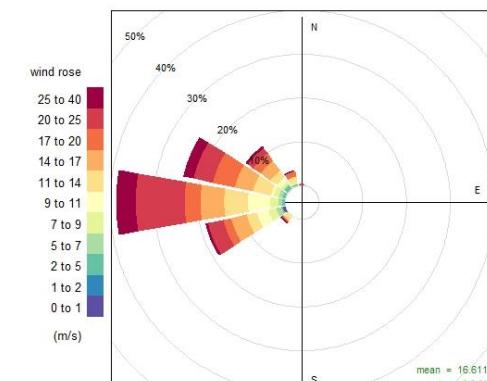


## Bhopal

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	0.3	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	0.3	0	0	0	0	0	0
214-236		0	0	0	0.3	0	0.9	0.3	0	0.3	0.3	0.3
237-258		0.6	0	0.3	1.2	1.8	2.7	2.4	3.6	1.8	3.6	0.6
259-281		0	0	0.6	0.9	1.8	5.1	5.4	5.4	3.6	11.1	4.5
282-303		0	0	0.6	0.9	1.2	0.6	4.2	4.2	5.1	4.5	2.4
304-326		0	0	0.9	0.3	0.6	1.2	1.8	2.7	2.1	1.5	0.6
327-348		0	0	0.3	0	0.6	0	1.2	0	1.2	0	0.3

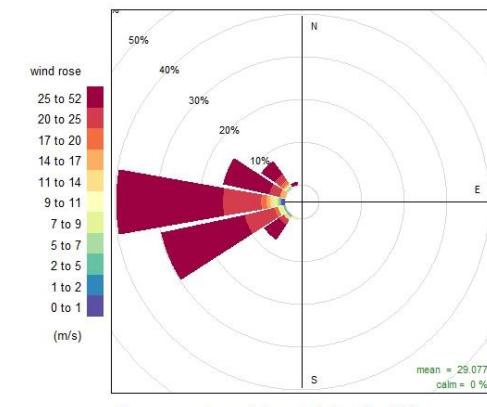


## Bhopal

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	0.4	0	0	0	0	0	0	0
214-236		0	0	0.4	0	0	0	0.9	0	0	1.3	4.3
237-258		0	0	0.4	0	0.9	0.4	0	0	0.9	7.2	20
259-281		0.9	0	0.4	0.4	0.9	0	0.9	0.9	1.3	8.9	25.1
282-303		0	0	0	0	0	0	0	1.3	0	2.6	11.1
304-326		0	0	0	0.4	0.4	0	0	0.4	0.9	1.7	3.8
327-348		0	0	0	0	0	0	0	0	0	0	0.9

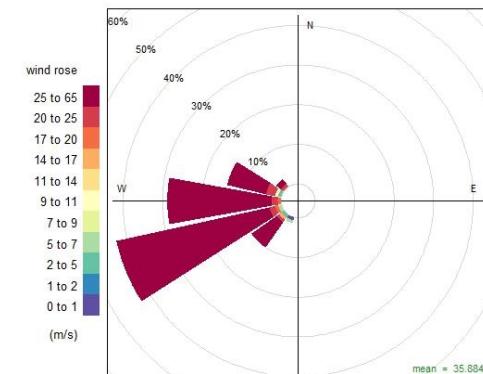


## Bhopal

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	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	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		0.8	0	0	0.8	0	0	0	0	0	0	0
214-236		0	0	0.8	0	0	0	0.8	0	0.8	7.8	
237-258		0	0	0	0.8	0	0	0	0	0.8	1.6	39.5
259-281		0	0	0	0	0	0	0	0	0.8	1.6	26.4
282-303		0	0	0.8	0	0	0.8	0	0	0	2.3	10.1
304-326		0	0	0	0	0	0	0	0	0	0.8	1.6
327-348		0	0	0	0	0	0	0	0	0	0	0

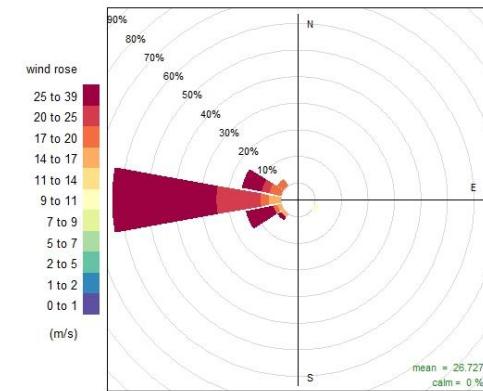


## Bhopal

December

100 hPa level

Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	0	0	0	0	0	0	0	0	0	0	0	0
12-33		0	0	0	0	0	0	0	0	0	0	0
34-56		0	0	0	0	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	1.5	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	1.5	0	0	1.5
237-258		0	0	0	0	0	0	0	1.5	1.5	0	10.6
259-281		0	0	0	0	0	0	0	4.5	3	16.7	39.4
282-303		0	0	0	0	0	0	0	4.5	3	7.6	
304-326		0	0	0	0	0	0	0	0	3	0	0
327-348		0	0	0	0	0	0	0	0	0	0	0



**Bhopal**      **42667**      **Station height**      **531**      **January**

PRESSURE	HEIGHT	Hmax	Hmin	TEMP	TMAX	TMIN	DEWPT	DIR	VELO	U	V	VM
SURFACE	956.2	962	948	12.1	19	5.2	6.6	77	1.3	-1.3	-0.3	2.3
1000	152	201	93									
950	571	635	500	12.9	23.3	5	6.4	70	1.5	-1.4	-0.5	3.1
925	800	853	734	15.2	25.6	5.3	5.2	63	1.3	-1.2	-0.6	4.8
900	1033	1153	970	15.3	25.8	5.4	3.1	56	0.4	-0.3	-0.2	4.6
850	1516	1638	1450	13.2	23.6	2.6	0.5	266	2.7	2.7	0.2	5.3
800	2023	2146	1940	10.5	21.8	-2.1	-2.5	264	4.8	4.8	0.5	7
750	2558	2695	2461	7.7	18	-2.7	-5.8	264	6.6	6.6	0.7	8.8
700	3122	3236	3004	4.8	17.6	-5.7	-9.8	267	8.3	8.3	0.4	10.7
650	3721	3840	3531	1.6	12.8	-9.1	-14.8	269	9.9	9.9	0.2	12.4
600	4362	4497	4197	-1.9	7.8	-12.7	-18.3	270	12	12	-0.1	14.5
550	5052	5220	4865	-6	3	-17.5	-22.3	270	14.2	14.2	-0.1	16.8
500	5787	5969	5596	-10.6	-0.5	-21.9	-26.7	270	16.6	16.6	0	19.1
450	6591	6830	6373	-15.8	-5.2	-27.3	-31	269	18.9	18.9	0.3	21.8
400	7467	7704	7209	-21.6	-9.3	-34.3	-36	268	20.5	20.5	0.7	23.8
350	8439	8750	8137	-28.1	-12.7	-41.5	-40.8	266	20.8	20.7	1.5	24
300	9529	9894	9192	-35.4	-21.9	-51.7	-47.3	266	19.7	19.6	1.5	22.5
250	10778	11192	10426	-43.9	-30.3	-57.3	-55.9	263	17.1	17	2.1	19.4
200	12243	12712	11829	-53.9	-40.5	-67.1	-63.7	265	14.7	14.7	1.2	16.2
175	13093	13543	12646	-58.9	-45.1	-69.5	-70.7	265	12.4	12.4	1	13.5
150	14049	14541	13696	-64	-49.9	-76.1		264	9.9	9.8	1.1	10.5
125	15145	15683	14789	-69.3	-57.3	-78.3		264	8.4	8.4	0.9	9.1
100	16460	16968	16060	-73.9	-63.6	-85.7		266	5.9	5.9	0.4	6.4
80	17769	18283	17362	-73.5	-60.1	-83.1		269	3.9	3.9	0.1	4.1
70	18552	19100	18157	-71.2	-55.9	-81.1		270	2.5	2.5	0	2.7
60	19381	19927	19050	-66.7	-52.5	-79.7		257	1.3	1.3	0.3	2
50	20577	21179	20122	-62.1	-46.1	-76.1		292	1.1	1	-0.4	2.2
40	21975	22613	21455	-57.5	-44.3	-67.7		300	0.8	0.7	-0.4	2.1
30	23782	24427	23207	-54.4	-41.9	-63.3		315	0.6	0.4	-0.4	2.8
25	24916	25599	24335	-53.6	-40.1	-62.5		270	1.4	1.4	0	4.2
20	26352	26772	25955	-51.4	-40.3	-60.7		270	3	3	0	4.8
15	28251	28718	27785	-48.7	-40.7	-58.9		283	2.7	2.6	-0.6	2.9
10	30922	31355	30378	-46.6	-41.9	-56.5		259	3.1	3	0.6	3.8
7												

**FREEZING LEVEL**

P	Height	H_max	H_min
631	3987	5730	1950

**FIRST TROPOPAUSE**

P	Height	Temp
187	12789	-62.6

**SECOND TROPOPAUSE**

P	Height	Temp
101	16467	-75.6

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42667

Station height

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February

PRESSURE	HEIGHT	Hmax	Hmin	TEMP	TMAX	TMIN	DEWPT	DIR	VELO	U	V	VM
SURFACE	954.6	961	945	14.2	21	6	6.5	61	1	-0.9	-0.5	2.5
1000	132	186	83									
950	560	620	485	14.9	26.8	6.3	6.2	60	1.4	-1.2	-0.7	3.3
925	789	849	731	17.7	31.6	7.7	5.1	51	1.4	-1.1	-0.9	5.5
900	1023	1115	966	17.5	31	7.4	3	14	0.8	-0.2	-0.8	5.7
850	1509	1608	1443	14.9	27.6	4.6	0	264	2.8	2.8	0.3	6.1
800	2019	2135	1940	11.8	22.4	3.2	-2.7	259	5.2	5.1	1	7.8
750	2555	2700	2460	8.5	17.4	-0.3	-5.3	258	7.1	6.9	1.5	9.7
700	3121	3265	3012	5.2	14.2	-4.1	-8.9	260	8.7	8.6	1.5	11.6
650	3720	3900	3600	1.7	10	-10.3	-12.9	263	10.5	10.4	1.2	13.6
600	4362	4530	4235	-1.9	7.4	-11.1	-17.7	266	12.1	12.1	0.8	15.5
550	5052	5200	4920	-6	4	-19.3	-21.6	268	14.3	14.3	0.5	18
500	5787	5958	5653	-10.6	-1.1	-25.7	-26.6	269	16.5	16.5	0.4	20.6
450	6591	6795	6438	-15.8	-5.3	-28.5	-30.9	269	18.8	18.8	0.2	23
400	7467	7647	7275	-21.6	-9.9	-32.9	-36	270	21	21	0.1	25.3
350	8438	8630	8200	-28.1	-15.3	-40.5	-42.5	270	21.2	21.2	-0.1	25.2
300	9527	9767	9250	-35.4	-21.3	-48.7	-49.5	270	20.6	20.6	0	24
250	10772	11072	10443	-43.8	-31.5	-56.1	-56.5	270	18.8	18.8	0.1	21.8
200	12244	12592	11966	-53	-42.3	-65.7	-63.2	271	15.1	15.1	-0.2	16.6
175	13093	13487	12805	-58.2	-45.7	-69.9		271	13.7	13.7	-0.3	14.7
150	14050	14498	13761	-63.8	-47.7	-75		270	11.9	11.9	0.1	12.8
125	15153	15577	14862	-69.1	-52.7	-80.3		267	8.9	8.9	0.4	10.2
100	16454	16847	16164	-73.9	-61.7	-84.3		272	7.2	7.2	-0.2	7.7
80	17751	18181	17422	-74.5	-62.3	-85.7		276	4.9	4.9	-0.5	5.4
70	18530	18977	18182	-72.1	-56.3	-85.3		275	4.5	4.5	-0.4	5
60	19440	19928	19064	-68.3	-54.3	-79.3		270	3.3	3.3	0	4.2
50	20540	21063	20151	-63.5	-52.3	-71.9		273	1.8	1.8	-0.1	3.5
40	21919	22485	21508	-59.1	-50.3	-67.9		311	0.9	0.7	-0.6	3
30	23730	24348	23286	-55.2	-46.3	-62.3		298	1.5	1.3	-0.7	2.5
25	24890	25402	24428	-53.1	-42.9	-61.1		315	0.8	0.6	-0.6	2.1
20	26346	26955	25834	-50.6	-38.7	-60.1		266	1.4	1.4	0.1	2.7
15	28239	28667	27798	-48.5	-41.1	-57.9		315	0.3	0.2	-0.2	0.3
10	30966	31367	30503	-45.3	-40.5	-48.5		267	2	2	0.1	2
7	33395	33479	33348	-45.4	-44.3	-46.3						

## FREEZING LEVEL

P	Height	H_max	H_min
627	4018	5500	2430

## FIRST TROPOPAUSE

P	Height	Temp
214	11955	-56.3

## SECOND ROPOPAUSE

P	Height	Temp
100	16528	-75.9

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Station height

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March

PRESSURE	HEIGHT	Hmax	Hmin	TEMP	TMAX	TMIN	DEWPT	DIR	VELO	U	V	VM
SURFACE	952.5	959	946	18.9	28	9	6.7	31	0.6	-0.3	-0.5	2.7
1000	103	173	56									
950	545	609	448	19.4	27.3	9.6	6.5	53	1	-0.8	-0.6	3.4
925	773	841	719	22.3	30.6	10.4	5.1	23	1.5	-0.6	-1.4	6.2
900	1011	1093	946	22.1	31.8	9	3.2	353	1.6	0.2	-1.6	6.5
850	1504	1592	1444	19.1	27.9	5	0.8	297	2.9	2.6	-1.3	6.3
800	2020	2115	1953	15.3	24	-6.1	-1.8	272	4.7	4.7	-0.2	7.1
750	2561	2645	2475	11.2	21.9	-3.6	-4.2	263	6.7	6.7	0.8	8.9
700	3133	3239	3016	7	18	-8	-6.9	260	8.2	8.1	1.5	10.7
650	3735	3870	3604	2.8	14.4	-12.2	-10.6	262	9.4	9.3	1.3	12
600	4380	4505	4223	-1.3	8.8	-14	-15.4	265	10.6	10.6	0.9	13.4
550	5069	5215	4877	-5.5	4.2	-19.2	-20.4	268	12	12	0.4	14.9
500	5808	5965	5579	-10.1	-0.3	-24.2	-25.3	269	13.4	13.4	0.2	16.7
450	6612	6800	6337	-15.4	-3.7	-30.4	-30.1	270	15.1	15.1	0.1	18.6
400	7490	7696	7165	-21.4	-8.3	-37.1	-35.1	268	16.7	16.7	0.5	20.5
350	8461	8700	8070	-28.1	-15.5	-46	-40.8	267	17.4	17.4	0.8	21.4
300	9549	9846	9076	-35.5	-23.7	-53.4	-47.8	266	17.8	17.8	1.1	21.7
250	10794	11142	10234	-43.9	-30.9	-58.3	-55.1	268	17.2	17.2	0.6	20.4
200	12259	12702	11625	-52.9	-41.7	-66.1	-64.6	270	14.5	14.5	0.1	16.8
175	13109	13578	12714	-57.7	-45.5	-73.5	-67	271	13.4	13.4	-0.3	15.1
150	14074	14576	13603	-62.7	-48.5	-80.1		273	11.7	11.7	-0.6	12.7
125	15187	15724	14833	-67.8	-56.1	-77.3		272	9.1	9.1	-0.3	9.9
100	16505	17029	16167	-72.6	-58.1	-84.3		272	7.1	7.1	-0.2	7.6
80	17805	18411	17486	-73.4	-56.3	-82.5		271	4.3	4.3	-0.1	4.6
70	18594	19212	18267	-71.6	-59.1	-81.1		272	2.3	2.3	-0.1	2.6
60	19297	19989	19167	-67.8	-55.1	-77.1		278	1.4	1.4	-0.2	1.8
50	20622	21279	20299	-62.5	-34.5	-74.7		276	1	1	-0.1	1.6
40	22007	22729	21666	-58	-40.1	-70.7		304	0.4	0.3	-0.2	1
30	23839	24634	23447	-53.8	-41.3	-66		297	0.4	0.4	-0.2	1.3
25	25011	25785	24588	-51.4	-40.7	-62.9		342	0.3	0.1	-0.3	1.2
20	26493	27384	25993	-48.6	-36.5	-59.3		360	0.1	0	-0.1	1.1
15	28359	29010	27849	-45.7	-35.5	-55.9		14	0.4	-0.1	-0.4	1.2
10	31035	31374	30772	-43.9	-39.3	-49.1		304	1.8	1.5	-1	1.8
7	33494	33747	33284	-39.8	-35.7	-47.3		0	0	0	0	0

## FREEZING LEVEL

P	Height	H_max	H_min
615	4196	5920	2810

## FIRST TROPOPAUSE

P	Height	Temp
204	12140	-58.4

## SECOND TROPOPAUSE

P	Height	Temp
100	16608	-74.8

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Station height

531

April

PRESSURE	HEIGHT	Hmax	Hmin	TEMP	TMAX	TMIN	DEWPT	DIR	VELO	U	V	VM
SURFACE	949.9	958	945	23.4	30.6	15	8.1	304	1.4	1.2	-0.8	3.3
1000	76	140	29									
950	530	581	425	22.7	31.6	15.6	7.2	9	0.6	-0.1	-0.6	3.4
925	754	808	704	26.1	38.6	17.4	7	311	1.8	1.4	-1.2	7.3
900	994	1094	944	26	37	14.4	5.1	324	3.1	1.8	-2.5	8
850	1494	1555	1437	23	34.4	9.7	2.6	315	3.4	2.4	-2.4	7.1
800	2017	2089	1956	19	30	7.2	0	288	3.8	3.6	-1.2	6.6
750	2563	2675	2472	14.4	25	4.4	-2.4	266	4.9	4.9	0.3	7.1
700	3143	3236	3061	9.6	20	-1.4	-4.7	254	6.3	6.1	1.7	8.4
650	3748	3857	3603	4.6	16	-8.1	-8.1	252	7.5	7.1	2.3	9.6
600	4398	4512	4272	0	13.1	-14.9	-12.9	256	8.1	7.9	1.9	10.6
550	5090	5250	4923	-4.3	6.7	-19.4	-18.7	264	8.6	8.6	0.9	11.6
500	5833	5983	5627	-8.9	1.6	-23	-24.1	269	9.7	9.7	0.1	13
450	6640	6812	6392	-14.1	-2.5	-27.8	-29.1	270	11.2	11.2	0	15
400	7524	7752	7233	-20.2	-6.7	-34.9	-33.8	269	12.7	12.7	0.2	16.7
350	8500	8724	8169	-26.9	-10.9	-44.5	-39.3	268	13.9	13.9	0.6	18.3
300	9595	9852	9224	-34.2	-18.5	-55.5	-46.9	266	15.4	15.4	1.2	19.7
250	10851	11187	10434	-42.2	-23.7	-57.3	-56.2	263	15.7	15.6	2	19.7
200	12327	12761	11846	-51.5	-29.7	-64.1	-63.1	261	14.7	14.5	2.2	17.5
175	13182	13662	12670	-56.4	-33.3	-67.5	-58.5	262	12.7	12.6	1.7	14.5
150	14150	14715	13609	-61.6	-36.5	-74.1	-66.9	260	9.6	9.4	1.7	10.9
125	15262	15948	14678	-67.4	-44.7	-79.7		260	7.3	7.2	1.3	8.6
100	16581	17399	15938	-72.6	-55.1	-86.1		263	4	4	0.5	4.7
80	17893	18342	17513	-72.8	-56.1	-82.7		264	2	2	0.2	2.9
70	18686	19196	18285	-70.4	-50.1	-82.7		284	0.4	0.4	-0.1	1.6
60	19450	19985	19172	-66.1	-45.8	-78.3		76	0.4	-0.4	-0.1	1.4
50	20708	21309	20266	-60.9	-45.6	-72.6		45	0.7	-0.5	-0.5	1.1
40	22107	22764	21651	-56.3	-38.2	-71.5		56	0.7	-0.6	-0.4	1.3
30	23943	24676	23512	-51.7	-36.1	-75.7		22	0.5	-0.2	-0.5	1.1
25	25129	25910	24604	-49.5	-35.3	-76.9		37	0.5	-0.3	-0.4	1.5
20	26596	27220	26276	-46.9	-37.1	-76.7		342	0.3	0.1	-0.3	1.5
15	28479	29024	28134	-45.2	-39.4	-54.1		291	0.9	0.8	-0.3	1.2
10	31281	31769	30749	-43.7	-37.7	-51.9		0	0	0	0	0
7	33468	33847	33089	-45.5	-44.5	-46.5		0	0	0	0	0

## FREEZING LEVEL

P	Height	H_max	H_min
599	4420	6370	2967

## FIRST TROPOPAUSE

P	Height	Temp
177	13257	-61.2

## SECOND TROPOPAUSE

P	Height	Temp
97	16808	-74.3

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Station height

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May

PRESSURE	HEIGHT	Hmax	Hmin	TEMP	TMAX	TMIN	DEWPT	DIR	VELO	U	V	VM
SURFACE	946.9	954	939	27.3	33.6	20	13.4	283	3.1	3	-0.7	4.1
1000	39	111	-15									
950	503	600	430	26.2	30.4	22.2	10.7	284	2.5	2.4	-0.6	4.8
925	727	795	653	28.1	41.6	21.2	13.6	280	5.2	5.1	-0.9	8.7
900	970	1041	897	27.8	39.4	20.4	11.3	298	5.9	5.2	-2.8	9.8
850	1474	1550	1403	25.3	36	12.2	7.4	313	5.3	3.9	-3.6	8.8
800	2003	2083	1936	21.5	31	8.4	3.9	313	4.1	3	-2.8	7.2
750	2554	2634	2430	17.1	26.6	7.3	1.1	299	3.1	2.7	-1.5	6.2
700	3140	3231	3048	12.1	21.8	5.2	-1.3	287	2.8	2.7	-0.8	6.1
650	3750	3843	3650	7	16.8	-0.1	-4.6	279	3	3	-0.5	6.6
600	4407	4532	4330	2	11	-5.9	-8.7	279	3.7	3.7	-0.6	7.1
550	5105	5299	5003	-2.3	9	-10.5	-14.5	288	4.7	4.5	-1.5	8.2
500	5853	6014	5744	-6.4	5.2	-14.1	-20.1	291	5.9	5.5	-2.1	9.5
450	6671	6890	6500	-11.1	1.6	-21.7	-25.2	292	7.1	6.6	-2.6	10.7
400	7563	7766	7408	-16.7	-4.7	-28.5	-29.4	285	8.3	8	-2.2	11.9
350	8552	8798	8362	-22.9	-12.3	-36.1	-34.8	276	9.2	9.1	-1	12.7
300	9665	9931	9430	-30.1	-19.7	-44.1	-41.8	269	9.9	9.9	0.2	13.3
250	10937	11225	10625	-39.1	-29.5	-54.3	-49.5	262	10.1	10	1.4	12.6
200	12434	12760	12017	-49.5	-40.1	-64.7	-61.9	254	10.1	9.7	2.7	12.1
175	13295	13651	12822	-55.6	-45.7	-69.9		253	9.4	9	2.8	11.1
150	14264	14649	13731	-61.9	-51.9	-74.1		252	8	7.6	2.5	9.8
125	15370	15782	14789	-68.9	-57.3	-83.1		246	5.5	5	2.2	7.7
100	16680	17131	16067	-74.4	-63.3	-82.7		239	2.7	2.3	1.4	6
80	17968	18427	17335	-74.3	-53.9	-85.3		153	0.7	-0.3	0.6	4.5
70	18754	19250	18109	-71	-49.5	-84.3		90	1.2	-1.2	0	4.1
60	19212	19995	19032	-65.9	-52.1	-81.1		74	1.8	-1.7	-0.5	3.8
50	20786	21297	20127	-60.4	-46.7	-71.9		69	2.2	-2.1	-0.8	3.8
40	22187	22716	21501	-55.3	-44.7	-67.7		72	2.3	-2.2	-0.7	3.7
30	24046	24592	23395	-50.5	-40.1	-62.3		79	2.6	-2.6	-0.5	3.9
25	25233	25836	24497	-48.2	-36.5	-58.9		76	2.1	-2	-0.5	4.1
20	26711	27706	25935	-45.6	-29.5	-56.6		78	2.5	-2.4	-0.5	4.6
15	28595	29216	27796	-44.1	-31.9	-57		112	2.4	-2.2	0.9	4.3
10	31373	31977	30654	-41	-33.1	-55.8		150	0.8	-0.4	0.7	1.3
7	33768	34298	32980	-39.8	-29.5	-55.5		90	2.3	-2.3	0	2.7

## FREEZING LEVEL

P	Height	H_max	H_min
576	4750	6480	3690

## FIRST TROPOPAUSE

P	Height	Temp

## SECOND TROPOPAUSE

P	Height	Temp
97	16654	-78.9

Bhopal

42667

Station height

531

June

PRESSURE	HEIGHT	Hmax	Hmin	TEMP	TMAX	TMIN	DEWPT	DIR	VELO	U	V	VM
SURFACE	943.8	952	936	26.6	38.6	20	19.9	265	3.6	3.6	0.3	4.5
1000	15	72	-25									
950	469	540	426	25.6	29.4	23.2	18	195	2.3	0.6	2.2	4.6
925	697	775	625	26.2	35.8	20.1	19.2	263	6	6	0.7	8.2
900	939	1017	865	25.1	37.6	18	17.6	275	6.9	6.9	-0.6	9.7
850	1440	1519	1358	22.9	34.8	15	14.8	292	5.7	5.3	-2.1	8.9
800	1965	2044	1876	19.9	32.4	12.6	11.4	307	4	3.2	-2.4	7
750	2518	2600	2420	16.4	25	8.9	7.9	326	2.2	1.2	-1.8	5.5
700	3101	3189	2999	12.4	21	4.6	4.2	353	1.7	0.2	-1.7	5.5
650	3717	3828	3608	8.2	18.4	0.2	0.3	3	1.7	-0.1	-1.7	5.8
600	4375	4504	4249	4	13.8	-3.5	-3.6	352	1.4	0.2	-1.4	5.7
550	5082	5225	4947	0.2	10.6	-8.7	-7.5	329	1.2	0.6	-1	5.5
500	5836	6003	5683	-3.6	6.4	-15.5	-11.4	318	1.2	0.8	-0.9	5.5
450	6665	6847	6487	-7.6	0.8	-16.5	-16	312	1.5	1.1	-1	5.8
400	7570	7770	7367	-12.4	-3.7	-22.9	-21.9	307	1.5	1.2	-0.9	6
350	8577	8796	8343	-18.5	-7.9	-29.9	-28.4	304	1.1	0.9	-0.6	5.8
300	9710	9950	9435	-26.1	-13.5	-40.1	-35.4	270	0.8	0.8	0	5.8
250	11003	11300	10680	-35.7	-22.9	-46.7	-45.3	180	0.7	0	0.7	6
200	12517	12903	12127	-47.5	-33.9	-58.7	-56.6	138	1.3	-0.9	1	6.6
175	13384	13825	12956	-54.5	-40.9	-65.7	-61.9	119	2.1	-1.8	1	7.1
150	14353	14856	13878	-61.9	-49.1	-74.3	-66.1	104	3.4	-3.3	0.8	7.9
125	15455	16031	14930	-69.7	-57.9	-83.2		92	5.3	-5.3	0.2	8.7
100	16756	17282	16174	-75.7	-64.3	-89.9		89	7.1	-7.1	-0.1	9
80	18037	18614	17400	-74.9	-57	-87.7		83	8.7	-8.6	-1	9.7
70	18821	19400	18153	-71.1	-52.7	-81.3		82	9.5	-9.4	-1.4	10.1
60	18973	19999	19052	-66.3	-49.1	-79.2		84	9.1	-9	-1	9.6
50	20850	21474	20144	-60.9	-40.7	-75.8		86	8.9	-8.9	-0.6	9.3
40	22251	22989	21519	-55.8	-41.7	-69.3		82	8.9	-8.8	-1.2	9.3
30	24080	24797	23329	-51.8	-38.7	-74.4		85	10.1	-10.1	-0.8	10.5
25	25276	26020	24485	-49.8	-36.1	-74.8		85	10.1	-10.1	-0.8	11
20	26771	27538	26106	-46.8	-34.3	-69		88	8.3	-8.3	-0.3	9
15	28642	29515	27885	-44.8	-32.9	-55.3		89	8.2	-8.2	-0.1	8.7
10	31199	31581	30372	-44.9	-36.5	-54.6		165	3.1	-0.8	3	3.1
7	33692	34067	33343	-40.4	-33.7	-44.1		166	5.5	-1.3	5.3	5.5

## FREEZING LEVEL

P	Height	H_max	H_min
548	5124	6880	3590

## FIRST TROPOPAUSE

P	Height	Temp

## SECOND TROPOPAUSE

P	Height	Temp
93	17364	-74.1

Bhopal

42667

Station height

531

July

PRESSURE	HEIGHT	Hmax	Hmin	TEMP	TMAX	TMIN	DEWPT	DIR	VELO	U	V	VM
SURFACE	943.5	949	934	24.4	28.4	21.2	21.7	259	4.1	4	0.8	4.7
1000	10	53	-79									
950	459	502	400									
925	693	746	602	23.6	28.8	18.6	21.6	253	6.3	6	1.8	7.6
900	934	1010	839	22.4	28.4	16	20.2	265	7.5	7.5	0.7	9.6
850	1430	1503	1333	20.1	30.2	13.9	17.6	276	6.2	6.2	-0.6	8.8
800	1951	2021	1853	17.5	25.4	11.4	14.6	282	4.3	4.2	-0.9	7
750	2501	2597	2402	14.6	21.4	6.8	11.2	286	2.6	2.5	-0.7	5.6
700	3081	3163	2982	11.7	19.6	2	7.2	300	1.4	1.2	-0.7	4.9
650	3698	3802	3597	8.5	15	2	2.9	333	1.1	0.5	-1	4.6
600	4357	4960	4252	5	12.4	-2.5	-1	360	1	0	-1	4.3
550	5068	5256	4943	1.3	7.6	-6.3	-4.9	27	0.9	-0.4	-0.8	4.2
500	5824	6018	5687	-2.5	4	-8.9	-9.1	61	1	-0.9	-0.5	4.2
450	6658	6851	6537	-6.7	0.4	-14.7	-14.5	77	1.3	-1.3	-0.3	4
400	7566	7716	7413	-11.7	-4.1	-19.5	-20.1	85	2.2	-2.2	-0.2	4.2
350	8577	8760	8400	-17.8	-9.5	-31.2	-26.4	87	3.3	-3.3	-0.2	4.7
300	9713	9909	9518	-25.6	-15.5	-44.5	-34.2	85	4.6	-4.6	-0.4	5.5
250	11010	11239	10796	-35.3	-23.3	-49.7	-44.2	86	6.4	-6.4	-0.4	7.2
200	12525	12807	12220	-47.5	-37.9	-69.9	-56.5	85	8.4	-8.4	-0.7	9.3
175	13391	13700	12994	-54.9	-42.9	-78.7	-61.4	83	9.6	-9.5	-1.2	10.6
150	14360	14713	13870	-62.7	-49.7	-80.2	-66.9	81	11.4	-11.3	-1.7	12.5
125	15459	15877	14967	-70.5	-56.5	-86.4		82	13.4	-13.3	-1.8	14.3
100	16772	17252	16314	-75.2	-62	-88.8		81	14.1	-13.9	-2.1	14.9
80	18074	18623	17566	-72.7	-55.5	-84.4		82	13.5	-13.4	-1.9	14
70	18877	19475	18340	-69.1	-51.9	-81.1		82	12.3	-12.2	-1.8	12.6
60	18308	20036	19255	-64.8	-50.6	-78.3		85	10.7	-10.7	-0.9	10.9
50	20926	21424	20369	-59.8	-40.3	-74.3		83	8.6	-8.5	-1	8.8
40	22344	22884	21763	-55.8	-43.1	-69.1		82	7.7	-7.6	-1.1	7.8
30	24198	24790	23613	-51.5	-34.3	-61.7		87	8.5	-8.5	-0.4	8.6
25	25359	26016	24778	-50	-33.9	-60.5		88	9.2	-9.2	-0.4	9.3
20	26829	27487	26204	-47.4	-37.7	-55.3		84	9.3	-9.2	-1	9.5
15	28717	29450	28224	-45.5	-38.5	-53.3		89	9.8	-9.8	-0.2	10
10	31594	32240	31026	-41	-36.3	-46.7		103	2.3	-2.2	0.5	2.2
7	33992	34443	33286	-36.9	-32.6	-42.6		105	5	-4.8	1.3	5

## FREEZING LEVEL

P	Height	H_max	H_min
534	5320	6800	4000

## FIRST TROPOPAUSE

P	Height	Temp

## SECOND TROPOPAUSE

P	Height	Temp
101	16776	-77.1

Bhopal

42667

Station height

531

August

PRESSURE	HEIGHT	Hmax	Hmin	TEMP	TMAX	TMIN	DEWPT	DIR	VELO	U	V	VM
SURFACE	944.8	951	936	23.6	26.4	20.4	22	270	3.7	3.7	0	4.4
1000	29	70	-66									
950	478	525	401	22.9	24.4	21	14.3	251	3.1	2.9	1	4
925	707	759	614	23	27.2	18.6	21.3	267	5.7	5.7	0.3	7.2
900	945	1002	852	21.8	27.8	16.1	19.8	277	6.4	6.4	-0.8	8.3
850	1440	1503	1345	19.4	25.2	13	17.2	290	5.3	5	-1.8	7.5
800	1960	2052	1865	16.8	23.2	9	14.2	298	3.6	3.2	-1.7	6
750	2509	2600	2413	14.2	21.6	6.4	10.7	311	2.1	1.6	-1.4	4.8
700	3088	3185	2993	11.4	19.8	1.8	6.8	339	1.4	0.5	-1.3	4.3
650	3705	3802	3610	8.3	18.8	-3.5	2.5	9	1.3	-0.2	-1.3	4
600	4362	4468	4260	5	16.4	-8.9	-1.6	23	1.3	-0.5	-1.2	3.9
550	5074	5200	4944	1.4	12.2	-13.5	-5.6	39	1.3	-0.8	-1	4
500	5830	5953	5661	-2.5	7.6	-19.3	-9.8	62	1.7	-1.5	-0.8	4.1
450	6663	6795	6431	-6.8	1.4	-26.5	-14.7	73	2.1	-2	-0.6	4.2
400	7571	7746	7267	-12	-4.3	-35.5	-20.9	79	2.6	-2.6	-0.5	4.4
350	8580	8770	8175	-18.2	-9.9	-46.1	-27.1	85	3.6	-3.6	-0.3	4.7
300	9716	9910	9177	-25.9	-17.7	-56.1	-34.7	86	4.4	-4.4	-0.3	5.4
250	11010	11246	10312	-35.7	-25.7	-63.9	-44.9	88	5.3	-5.3	-0.2	6.1
200	12519	12822	11646	-48.3	-38.1	-74.3	-57.2	87	7.1	-7.1	-0.4	8
175	13384	13717	13087	-55.6	-45.1	-67.3	-61.6	84	7.9	-7.9	-0.8	8.8
150	14351	14728	13997	-63.1	-51.9	-77.1	-67.8	83	8.8	-8.7	-1	9.6
125	15453	15892	15048	-70.8	-59.1	-80.1		83	11	-10.9	-1.4	11.8
100	16757	17264	16340	-75.2	-59.1	-83.7		84	11.9	-11.8	-1.3	12.3
80	18054	18623	17603	-71.6	-54.9	-82.9		81	10.7	-10.6	-1.7	11.1
70	18847	19381	18365	-68.5	-51.5	-80.1		81	9.9	-9.8	-1.5	10.2
60	18453	19996	19256	-64.5	-46.5	-79.5		81	9.4	-9.3	-1.4	9.6
50	20899	21576	20324	-60.4	-40.5	-79.5		86	10.3	-10.3	-0.7	10.6
40	22265	22855	21674	-57.1	-44.1	-70.5		86	11.8	-11.8	-0.9	12.2
30	24072	24800	23439	-53.9	-40.1	-66.5		86	13.5	-13.5	-0.9	14.2
25	25258	26037	24790	-51.7	-37.7	-64.1		86	14.6	-14.6	-0.9	15.7
20	26725	27584	26210	-49.6	-36.9	-61.1		87	13.5	-13.5	-0.8	14.7
15	28534	29286	28047	-49	-29.3	-59.7		85	15.8	-15.7	-1.4	18
10	31275	31929	30724	-44.4	-36.7	-54.7		64	9.6	-8.6	-4.2	16.3
7	34316	34316	34316	-30.5	-30.5	-30.5						

## FREEZING LEVEL

P	Height	H_max	H_min
532	5348	6930	3290

## FIRST TROPOPAUSE

P	Height	Temp

## SECOND TROPOPAUSE

P	Height	Temp
105	16496	-76.6

Bhopal

42667

Station height

531

September

PRESSURE	HEIGHT	H max	H min	TEMP	TMAX	TMIN	DEWPT	DIR	VELO	U	V	VM
SURFACE	948.2	955	935	22.8	28.2	17.8	20.7	282	2.5	2.4	-0.5	3.4
1000	54	109	-6									
950	515	560	420	22.3	26.2	17.8	19.4	249	0.9	0.8	0.3	2.7
925	736	789	617	23.1	28.6	18	19.7	285	3.1	3	-0.8	6.1
900	975	1035	858	22.7	32	17.3	17.9	302	3.6	3.1	-1.9	6.9
850	1471	1529	1356	20	29.4	12.9	14.6	324	2.9	1.7	-2.3	6.1
800	1991	2064	1880	16.9	25.8	8.9	11.1	347	2.2	0.5	-2.1	5.4
750	2537	2620	2420	13.6	24.2	7.2	6.9	5	2.1	-0.2	-2.1	5
700	3116	3206	3020	10.3	21.4	4	2.4	17	2.1	-0.6	-2	4.9
650	3728	3843	3600	6.9	19	-0.1	-1.5	17	1.4	-0.4	-1.3	4.4
600	4382	4525	4273	3.5	16.2	-4.3	-5	9	0.6	-0.1	-0.6	4.1
550	5089	5260	4935	0.3	11	-7.7	-8.5	360	0.2	0	-0.2	4
500	5842	6042	5720	-3.5	5.4	-11.7	-12.7	315	0.1	0.1	-0.1	4
450	6671	6888	6528	-7.8	1.8	-15.1	-18	0	0	0	0	4
400	7575	7800	7412	-13.1	-3.3	-20.5	-23.9	45	0.3	-0.2	-0.2	4
350	8578	8820	8389	-19.6	-8.1	-28.5	-30.2	127	0.5	-0.4	0.3	4.1
300	9704	9976	9486	-27.7	-18.5	-38.3	-37.8	129	0.6	-0.5	0.4	4.2
250	10988	11300	10727	-37.7	-27.9	-50.5	-47.9	146	1.1	-0.6	0.9	4.6
200	12486	12856	12163	-50	-40.9	-67.3	-60.4	140	1.7	-1.1	1.3	5.4
175	13348	13747	13008	-57	-48.1	-70.7	-63.2	121	2.1	-1.8	1.1	5.8
150	14303	14749	13908	-64.6	-53.9	-77.3	-75.7	111	2.5	-2.3	0.9	6
125	15395	15787	14935	-71.7	-55.3	-85.2		96	2.8	-2.8	0.3	5.8
100	16688	17137	16237	-74.9	-63.3	-86.7		84	4.4	-4.4	-0.5	6
80	17992	18499	17589	-70.9	-54.1	-82.7		73	5	-4.8	-1.5	6
70	18792	19360	18418	-66.7	-49.7	-78.3		65	4.5	-4.1	-1.9	5.3
60	18825	19979	19392	-62.4	-45.2	-73.1		76	4.9	-4.8	-1.2	5.5
50	20855	21491	20509	-57.9	-42.6	-67.7		82	5.1	-5.1	-0.7	5.6
40	22273	22963	21892	-54.6	-36.9	-64.1		77	5.1	-5	-1.2	5.7
30	24096	24948	23689	-50.9	-36.5	-63.5		82	6.7	-6.6	-0.9	7.5
25	25246	25712	24807	-49.1	-33.4	-62.9		84	7.1	-7.1	-0.8	8.2
20	26724	27202	26366	-46.8	-33.2	-55.9		87	7.6	-7.6	-0.4	8.6
15	28620	29088	28245	-44.4	-32.9	-53.5		80	7.4	-7.3	-1.3	9.4
10	31322	31861	31023	-37.3	-26.7	-46.7		23	6.4	-2.5	-5.9	8.3
7	33367	34200	33083	-38.6	-35.7	-43.5		357	9.7	0.5	-9.7	9.7

## FREEZING LEVEL

P	Height	H max	H min
551	5093	6910	3670

## FIRST TROPOPAUSE

P	Height	Temp

## SECOND TROPOPAUSE

P	Height	Temp
105	16459	-76.8

Bhopal

42667

Station height

531

October

PRESSURE	HEIGHT	H max	H min	TEMP	TMAX	TMIN	DEWPT	DIR	VELO	U	V	VM
SURFACE	952.6	959	944	19.8	31.6	14.6	14.8	56	0.4	-0.3	-0.2	1.7
1000	110	159	26									
950	546	951	410	20.1	28.8	14.4	13.6	79	0.5	-0.5	-0.1	2.3
925	777	827	641	22.4	36.2	15.1	12.4	86	1.3	-1.3	-0.1	4.7
900	1014	1122	920	22.3	35	14.2	9	50	1.7	-1.3	-1.1	4.9
850	1507	1605	1406	19.3	30	11.4	5.9	30	2.4	-1.2	-2.1	5.1
800	2024	2116	1928	15.3	26	6.6	2.8	18	2.8	-0.9	-2.7	5.3
750	2566	2655	2450	11.2	22.8	2	-0.5	12	2.9	-0.6	-2.8	5.7
700	3139	3254	3058	7.6	17.8	-0.9	-4.4	2	2.5	-0.1	-2.5	5.6
650	3745	3880	3636	4.7	16	-4.7	-8.3	342	1.9	0.6	-1.8	5.5
600	4394	4536	4304	1.9	14.6	-7.7	-13	308	1.8	1.4	-1.1	5.7
550	5094	5295	4986	-1.5	11	-12.1	-16.1	285	2.8	2.7	-0.7	6.4
500	5842	6046	5722	-5.7	5	-17.1	-20	273	3.8	3.8	-0.2	7.3
450	6660	6915	6518	-10.9	-0.3	-22.9	-23.7	266	5.3	5.3	0.4	8.9
400	7553	7826	7375	-16.5	-6.3	-27.5	-29.1	261	7	6.9	1.1	10.2
350	8541	8860	8333	-23	-12.5	-34.1	-35.2	257	8.9	8.7	2	11.9
300	9655	9999	9402	-30.8	-18.9	-40.5	-42.8	253	10.3	9.9	3	12.7
250	10923	11308	10621	-40.4	-25.8	-50.1	-52.5	251	10.5	9.9	3.5	12.7
200	12403	12839	12047	-51.9	-38.4	-61.8	-61.9	246	10.7	9.8	4.3	12.6
175	13253	13631	12864	-58.4	-47.7	-68.3	-59.5	247	10.2	9.4	4	12.1
150	14204	14624	13776	-65.2	-54.1	-74.1		248	8.9	8.3	3.3	10.6
125	15293	15761	14966	-71.8	-60.3	-81.8		249	6.1	5.7	2.2	7.9
100	16593	17047	16233	-74.8	-59.3	-83.3		252	2.8	2.7	0.9	4.9
80	17895	18406	17507	-71.6	-52.1	-82.7		270	0.6	0.6	0	3.5
70	18695	19285	18288	-67.7	-48.7	-80.5		45	0.6	-0.4	-0.4	3.2
60	18983	19995	19199	-63.6	-45.7	-79.7		78	1.4	-1.4	-0.3	2.7
50	20754	21449	20296	-59.4	-41.1	-73.5		79	2.1	-2.1	-0.4	3.3
40	22149	22849	21668	-56.2	-40.5	-72.3		80	2.7	-2.7	-0.5	3.5
30	23953	24744	23481	-53	-40.2	-70.5		76	3.3	-3.2	-0.8	4.4
25	25110	25720	24653	-51.3	-39	-69.5		80	4	-3.9	-0.7	4.9
20	26564	27188	26062	-49.9	-40.4	-59.7		84	3.7	-3.7	-0.4	4.2
15	28393	28978	27866	-47.9	-41.1	-58.7		88	3.5	-3.5	-0.1	4.2
10	31139	31489	30842	-46.5	-42.3	-49.3		56	7	-5.8	-3.9	8.8
7	33735	33735	33735	-47.3	-47.3	-47.3						

## FREEZING LEVEL

P	Height	H max	H min
576	4747	6860	2750

## FIRST TROPOPAUSE

P	Height	Temp

## SECOND TROPOPAUSE

P	Height	Temp
107	16255	-76

Bhopal

42667

Station height

531

November

PRESSURE	HEIGHT	H max	H min	TEMP	TMAX	TMIN	DEWPT	DIR	VELO	U	V	VM
SURFACE	955.8	963	950	15.9	22.8	9.2	9.3	90	1	-1	0	1.7
1000	134	179	68									
950	567	636	500	16.9	24.1	9.8	8.7	81	1.3	-1.3	-0.2	2.6
925	799	840	740	19.5	28.2	10.6	6.8	87	1.8	-1.8	-0.1	4.5
900	1036	1094	969	19	30	10	4.3	70	2	-1.9	-0.7	4.5
850	1524	1576	1459	15.9	25.6	7	1.3	29	1.3	-0.6	-1.1	4.3
800	2035	2087	1974	12.5	20	5.4	-1.1	335	1.7	0.7	-1.5	4.7
750	2573	2650	2500	9.5	18	1.6	-5	319	2.3	1.5	-1.7	5.5
700	3142	3221	3066	7	17.4	-2.1	-8.5	304	3	2.5	-1.7	6.1
650	3747	3838	3610	4.1	13.8	-6.1	-12.5	295	3.8	3.5	-1.6	7.1
600	4393	4500	4287	0.7	12.2	-8.7	-15.7	285	5.1	4.9	-1.3	8.3
550	5090	5230	4963	-3.3	7.2	-11.7	-19.1	279	6.7	6.6	-1	10.1
500	5832	5976	5697	-8	4.4	-17.5	-23.2	273	8.4	8.4	-0.5	11.7
450	6643	6809	6490	-13.3	1.6	-23.1	-28.1	269	10.8	10.8	0.1	14.4
400	7528	7722	7360	-19.3	-1.9	-30.7	-34.2	266	13	13	0.8	16.5
350	8506	8733	8317	-26	-13.3	-38	-40.5	264	15.9	15.8	1.6	19.5
300	9605	9883	9391	-33.6	-20.9	-43.6	-45.7	260	17	16.7	3	20.6
250	10858	11164	10606	-42.7	-30.9	-53.1	-53.6	256	16.5	16	4	19.7
200	12327	12719	12017	-53.3	-41.5	-65.9	-63.3	252	15	14.3	4.6	17.5
175	13176	13607	12846	-59	-47.3	-68.9		255	13.6	13.1	3.6	15
150	14132	14601	13748	-64.8	-50.9	-76.3		253	10.1	9.7	2.9	11.3
125	15228	15730	14803	-70.4	-55.1	-81.3		258	8	7.8	1.7	8.6
100	16535	16904	16116	-73.7	-55.6	-82.5		262	5.5	5.4	0.8	6.7
80	17839	18276	17379	-72.4	-50.7	-82.5		267	3.3	3.3	0.2	4.2
70	18636	19155	18123	-69.4	-48.5	-83.1		270	2	2	0	3
60	19226	20016	18991	-64.9	-44.9	-78.9		287	1	1	-0.3	2.4
50	20681	21234	20055	-60.3	-40.6	-74.8		309	0.6	0.5	-0.4	1.9
40	22075	22730	21411	-55.5	-41.3	-68.6		304	0.7	0.6	-0.4	2.3
30	23895	24545	23193	-51.9	-39.9	-68.9		286	0.7	0.7	-0.2	2.8
25	25061	25690	24336	-50.4	-36.5	-67		261	0.6	0.6	0.1	2
20	26483	27257	25740	-49.2	-33.5	-61.5		283	1.8	1.8	-0.4	3.2
15	28394	29207	27865	-47.2	-30.3	-57.9		328	1.3	0.7	-1.1	3.8
10	31054	31633	30433	-45.6	-38.1	-55.7		320	3.8	2.4	-2.9	4.9
7	33837	34057	33617	-39	-37.7	-40.3		341	20	6.5	-18.9	20

## FREEZING LEVEL

P	Height	H_max	H_min
595	4483	6290	2770

## FIRST TROPOPAUSE

P	Height	Temp

## SECOND TROPOPAUSE

P	Height	Temp
104	16356	-75.9

Bhopal

42667

Station height

531

December

PRESSURE	HEIGHT	H max	H min	TEMP	TMAX	TMIN	DEWPT	DIR	VELO	U	V	VM
SURFACE	957.1	963	949	12.6	20.6	6.8	7	85	1.1	-1.1	-0.1	1.8
1000	149	204	110									
950	578	634	452	13.9	22.5	7.8	6.6	78	1.4	-1.4	-0.3	2.8
925	809	854	740	16.7	25.6	8.2	4.6	75	1.6	-1.5	-0.4	4.2
900	1042	1106	974	16.4	27.4	7.6	2.7	73	1	-1	-0.3	4
850	1526	1594	1452	14	23.2	5.2	-0.4	288	0.9	0.9	-0.3	4.4
800	2035	2110	1953	11.5	20.8	1.4	-3.2	285	2.3	2.2	-0.6	5.3
750	2571	2664	2479	9	20	0	-7	282	3.4	3.3	-0.7	6.5
700	3139	3249	3034	6.5	15.4	-3.1	-11.7	277	4.7	4.7	-0.6	7.7
650	3740	3869	3627	3.3	14	-6.1	-15.1	274	6.3	6.3	-0.4	9.2
600	4386	4580	4264	-0.4	9.6	-10.1	-18.3	272	8.1	8.1	-0.3	11
550	5078	5273	4941	-4.8	4	-15.3	-21.6	270	10.1	10.1	0	13.4
500	5818	6022	5664	-9.6	0	-20.9	-26.3	267	11.9	11.9	0.7	15.2
450	6621	6834	6425	-15.1	-4.7	-27.3	-30.4	265	14.3	14.2	1.3	17.7
400	7501	7708	7291	-21.3	-10.3	-34.1	-35.5	264	15.8	15.7	1.6	19.1
350	8471	8700	8212	-28.2	-15.5	-41.5	-40.5	261	17.5	17.3	2.6	20.9
300	9560	9818	9253	-35.8	-19.5	-47.7	-47	258	17.1	16.7	3.6	20.3
250	10801	11124	10451	-44.8	-27.3	-56.5	-54.8	255	15.8	15.3	4	18.3
200	12263	12753	11883	-55.1	-37.5	-64.9	-63.1	252	13.4	12.8	4.1	14.8
175	13106	13617	12724	-60	-41.9	-72.6		250	11.4	10.7	3.8	12.1
150	14053	14615	13680	-65.1	-52.7	-73.1		251	10.6	10	3.5	11.2
125	15144	15763	14771	-70	-59.4	-78.3		254	7.7	7.4	2.1	8
100	16460	17148	16090	-73.6	-61.1	-82.2		260	5.4	5.3	0.9	5.9
80	17756	18188	17414	-73.3	-58.3	-82.3		261	4.6	4.5	0.7	5.6
70	18540	18979	18192	-70.5	-49.3	-81.1		263	3.2	3.2	0.4	4.2
60	19460	19919	19102	-66.9	-54.5	-76.3		275	1.2	1.2	-0.1	2.6
50	20577	21065	20197	-62.1	-48	-71.7		300	0.8	0.7	-0.4	1.8
40	21969	22502	21568	-58.1	-44	-68.5		61	1	-0.9	-0.5	2.5
30	23765	24395	23348	-54.4	-43.7	-61.3		281	0.5	0.5	-0.1	2.9
25	24945	25611	24481	-51.8	-40.4	-61.9		330	0.8	0.4	-0.7	3.9
20	26361	27111	25883	-49.4	-39.7	-60.7		342	0.9	0.3	-0.9	7.4
15	28297	29057	27715	-45.6	-37.1	-54.5		348	1.4	0.3	-1.4	5.8
10	30984	30984	30984	-42.7	-42.7	-42.7						
7												

## FREEZING LEVEL

P	Height	H_max	H_min
608	4291	5970	2510

## FIRST TROPOPAUSE

P	Height	Temp
184	12913	-62.4

## SECOND TROPOPAUSE

P	Height	Temp
107	16117	-74.8