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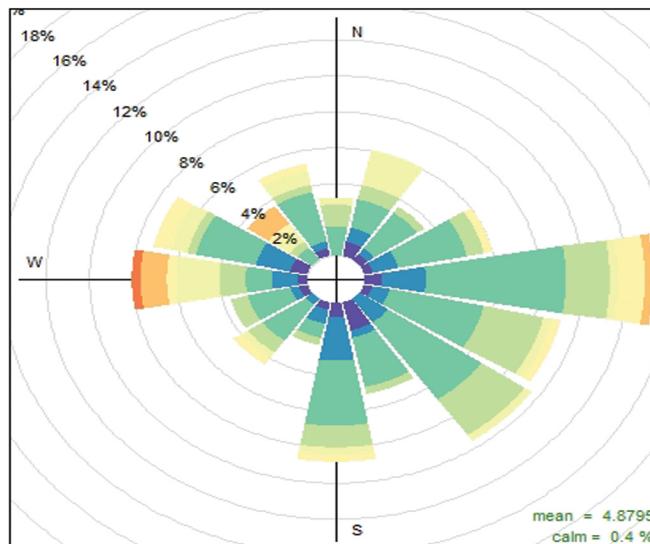
भारत मौसम विज्ञान भवन / INDIA METEOROLOGICAL DEPARTMENT

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)



গুৱাহাটী GUWAHATI

सितम्बर २०२०

SEPTEMBER 2020



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गुवाहाटी
GUWAHATI

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
SEPTEMBER 2020

PREFACE

India Meteorological Department (IMD), Ministry of Earth Sciences, brings out publications on varied meteorological topics. Normals of Radiosonde and Radiowind data has been published by the Climate Data Management and Services Group (CDMS), Office of Climate Research and Services (C R & S), IMD Pune since 1979. Four such publications have been published till date. The present publication ‘Monthly Normals of Radiosonde and Radiowind (1981-2010) and Monthly Upper Air Windrose Diagrams (2000-2015)’ is prepared using 0000 UTC (0530 IST) observation data from 35 Radiosonde and Radiowind (RS/RW) Upper Air stations for the period 1981-2010 and wind profile data of 34 RS/RW stations for the period 2000-2015 at eight different levels (1000, 925, 850, 700, 500, 300, 200, 100 hPa). The wind rose diagrams are prepared using R software after processing the RS/RW data by applying various quality checks. The present publication provides the climatology of different meteorological parameters at various levels over the station **Guwahati** (Latitude 26°06'N, Longitude 91°35'E).

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

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

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

Pune

September 2020

Dr. D. S. Pai

Head C R & S

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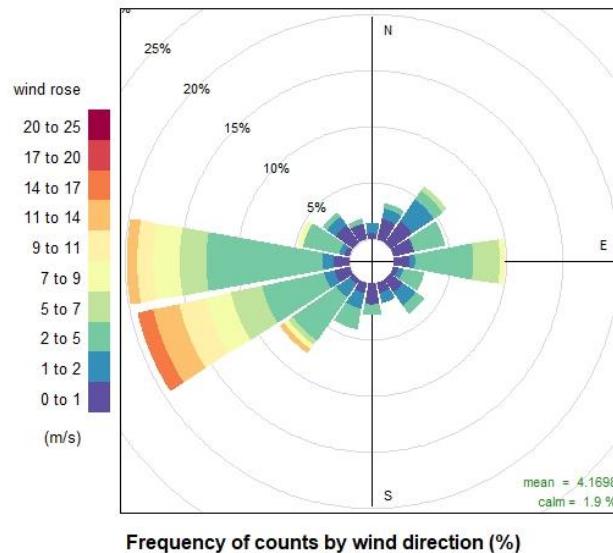
Description of various terms used in the table (Normals of Radiosonde data)

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

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

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

Interpretation of wind rose diagrams:



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

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

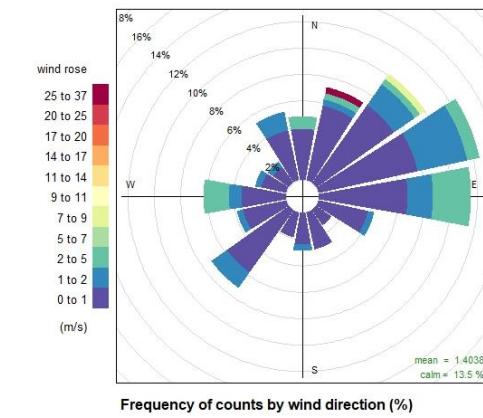
The circular format of the wind rose shows the direction the winds blew from and the length of each "spoke" around the circle shows how often the wind blew from that direction.

Guwahati

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	13	3.8	0	1	0	0	0	0	0	0	0	0
12-33		5.8	0.5	0.5	0	0	0	0	0	0	0	0.5
34-56		7.2	1.9	0.5	0	0.5	0	0	0	0	0	0
57-78		7.7	3.8	1	0	0	0	0	0	0	0	0
79-101		6.7	1.9	2.9	0	0	0	0	0	0	0	0
102-123		3.8	0.5	0	0	0	0	0	0	0	0	0
124-146		1.4	0	0	0	0	0	0	0	0	0	0
147-168		2.9	0	0	0	0	0	0	0	0	0	0
168-191		2.4	0.5	0	0	0	0	0	0	0	0	0
192-213		1.9	0	0	0	0	0	0	0	0	0	0
214-236		5.8	1.4	0	0	0	0	0	0	0	0	0
237-258		3.4	0.5	0	0	0	0	0	0	0	0	0
259-281		3.4	1	1.9	0	0	0	0	0	0	0	0
282-303		1.9	0.5	0	0	0	0	0	0	0	0	0
304-326		1.4	0.5	0	0	0	0	0	0	0	0	0
327-348		3.8	1.4	0	0	0	0	0	0	0	0	0

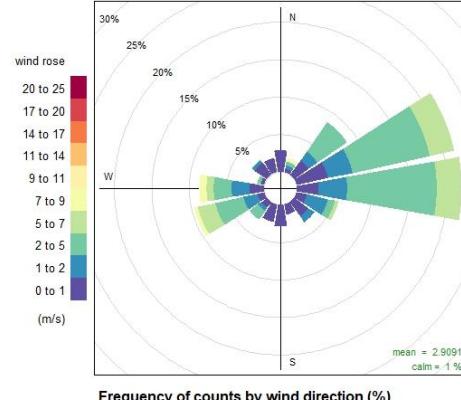


Guwahati

January

925 hPa level

Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	1	0	0.8	0.8	0	0	0	0	0	0	0	0
12-33		0.8	0.4	1.6	0.8	0	0	0	0	0	0	0
34-56		0.4	0	2.4	1.2	0	0	0	0	0	0	0
57-78		0.4	0	4.5	4.5	0.8	0	0	0	0	0	0
79-101		0	0	10.2	2.4	0.8	0	0	0	0	0	0
102-123		0.4	1.2	7.8	8.6	0.8	0	0	0	0	0	0
124-146		0	0.8	12.7	8.6	2	0.4	0	0	0	0	0
147-168		0	0	5.3	3.7	2	0.4	0	0	0	0	0
168-191		0	0.8	3.7	2	0	0	0	0	0	0	0
192-213		0	0.4	1.2	0	0	0	0	0	0	0	0
214-236		0.4	0	0.4	0.4	0	0	0	0	0	0	0
237-258		0	0	0	0	0	0	0	0	0	0	0
259-281		0	0	0.4	0	0	0	0	0	0	0	0
282-303		0	0	0.4	0	0	0	0	0	0	0	0
304-326		0	0.4	0	0.4	0	0	0	0	0	0	0
327-348		0	0	0.4	0	0	0	0	0	0	0	0

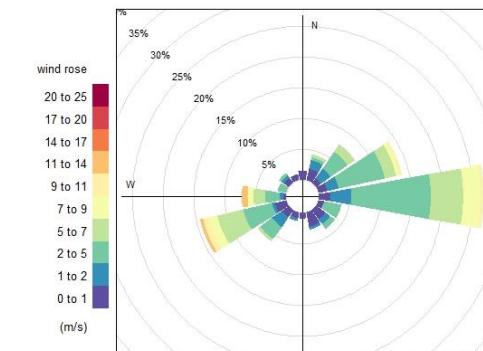


Guwahati

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	1.4	0	0	0	0	0	0	0	0	0	0
12-33		1.9	1.4	0.5	0.5	0	0	0	0	0	0	0
34-56		1	1.9	3.3	1.4	0	0	0	0	0	0	0
57-78		1.4	1.9	7.7	1.9	0.5	0.5	0	0	0	0	0
79-101		1.9	3.3	12.9	5.3	2.9	0.5	0	0	0	0	0
102-123		1	0	2.9	0	0	0	0	0	0	0	0
124-146		1.9	1	1	0	0	0	0	0	0	0	0
147-168		2.4	0.5	0	0	0	0	0	0	0	0	0
168-191		1	0	0	0	0	0	0	0	0	0	0
192-213		1	0.5	0	0	0	0	0	0	0	0	0
214-236		1.4	1.9	2.4	0.5	0	0	0	0	0	0	0
237-258		1.9	0.5	4.8	4.3	1.4	1	0.5	0	0	0	0
259-281		0.5	0.5	2.4	1.9	1	0	1	0	0	0	0
282-303		0	0	1.4	0	0	0	0	0	0	0	0
304-326		1	0.5	0.5	0	0	0	0	0	0	0	0
327-348		1	0	0	0	0	0	0	0	0	0	0

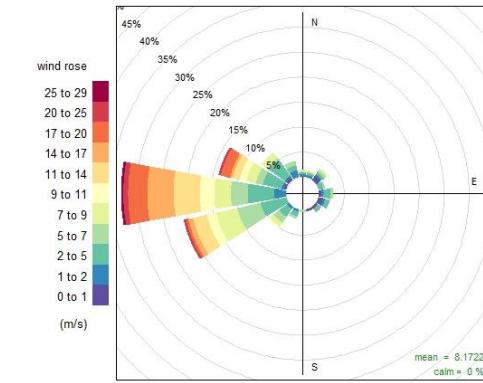


Guwahati

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	0.5	0.5	0	0.5	0	0	0	0	0	0
12-33		0	0.5	0.5	0	0	0	0.5	0	0	0	0
34-56		1	0.5	0.5	0.5	0	0	0	0	0	0	0
57-78		0	0	1	0.5	0	0	0	0	0	0	0
79-101		0.5	0.5	1.4	0.5	0	0	0	0	0	0	0
102-123		1	0.5	1	0	0	0	0	0	0	0	0
124-146		0.5	0	1	0	0	0	0	0	0	0	0
147-168		0.5	0	0	0	0	0	0	0	0	0	0
168-191		0	0	0	0.5	0	0	0	0	0	0	0
192-213		0	0.5	1	0.5	0	0	0	0	0	0	0
214-236		0	0.5	1.9	1.4	1	0.5	0	0	0	0	0
237-258		0	0	5.3	4.8	4.3	1.9	2.9	1	0.5	0.5	0
259-281		0	2.4	5.3	3.3	3.3	2.9	5.3	5.3	3.8	1	0.5
282-303		0.5	0.5	3.8	1.4	1.9	1.4	1.4	0.5	1.9	0.5	0
304-326		0.5	0.5	3.8	0.5	1.4	0	0	0	0	0	0
327-348		0	1.4	1	1	0	0	0	0	0	0	0

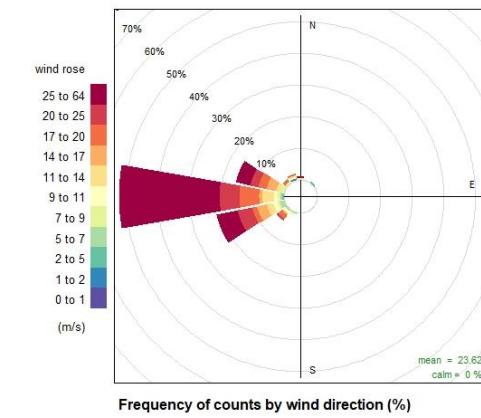


Guwahati

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	0.5	0	0	0	0	0	0.5
12-33		0	0	0	0	0	0	0	0	0	0	0
34-56		0	0	0.5	0	0	0	0	0	0	0	0
57-78		0	0	0	0	0	0	0	0	0	0	0
79-101		0	0	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	0.5	0	0.5	0	0	0	0	0	0
214-236		0	0	0.5	0	1	0	0.5	1.6	0.5	0	0
237-258		0	0	0	1.6	0.5	1.6	2.1	3.1	1.6	4.7	6.8
259-281		0	0	0.5	0.5	1	1	3.6	1	6.2	6.2	31.8
282-303		0	0	0	1.6	0	1	3.1	2.6	2.6	4.7	0
304-326		0	0	0	0	0.5	0	0	0	1	0	0
327-348		0	0.5	0	0	0	0.5	0.5	0	0.5	0	0

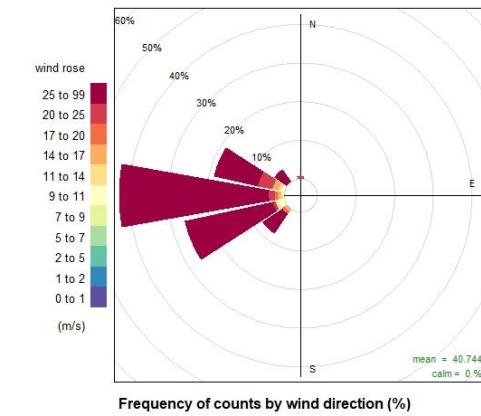


Guwahati

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	0.8	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	0.8	0.8	0	0	6.2
237-258		0	0	0	0	1.6	0.8	0	0	0.8	0	23.3
259-281		0	0	0	0.8	0	0	0.8	0.8	1.6	0	38.8
282-303		0	0	0	0	0.8	0.8	0.8	1.6	0	3.9	11.6
304-326		0	0	0	0	0	0	0	0	0	0	3.9
327-348		0	0	0	0	0	0	0	0	0	0	0

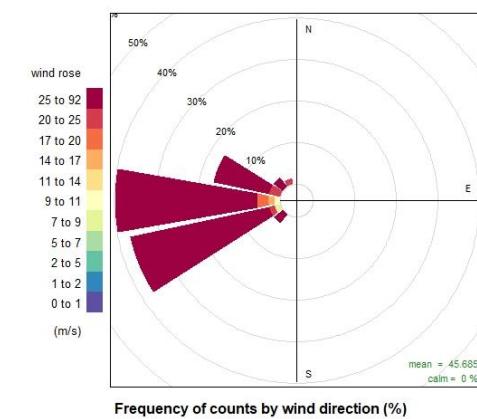


Guwahati

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
12-33		0	0	0	0	0	0	0	0	0	0	0
34-56		0	0	0	0	0	0	0	0	0	0	0
57-78		0	0	0	0	0	0	0	0	0	0	0
79-101		0	0	0	0	0	0	0	0	0	0	0
102-123		0	0	0	0	0	0	0	0	0	0	0
124-146		0	0	0	0	0	0	0	0	0	0	0
147-168		0	0	0	0	0	0	0	0	0	0	0
168-191		0	0	0	0	0	0	0	0	0	0	0
192-213		0	0	0	0	0	0	0	0	0	0	0
214-236		0	0	0	0	0	0	0	0	0	0	2.7
237-258		0	0	0	0	1.4	0	0	0	0	1.4	34.2
259-281		0	0	0	0	0	1.4	0	1.4	2.7	0	34.2
282-303		0	0	0	0	0	0	0	0	0	2.7	13.7
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	1.4	0

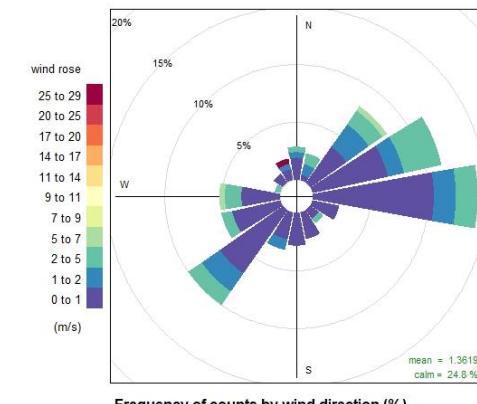


Guwahati

January

100 hPa level

Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11		0	0	0	0	0	0	0	0	0	0	0
12-33		0	0	0	0	0	0	0	0	0	0	0
34-56		0	0	0	0	0	0	0	0	0	0	0
57-78		0	0	0	0	0	0	0	0	0	0	0
79-101		0	0	0	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	3.3	0	0
237-258		0	0	0	0	0	3.3	0	3.3	0	6.7	10
259-281		0	0	0	0	0	0	6.7	0	3.3	40	
282-303		0	0	0	0	0	0	0	3.3	3.3	6.7	
304-326	0	0	0	0	0	0	0	3.3	3.3	0	3.3	
327-348	0	0	0	0	0	0	0	0	0	0	0	

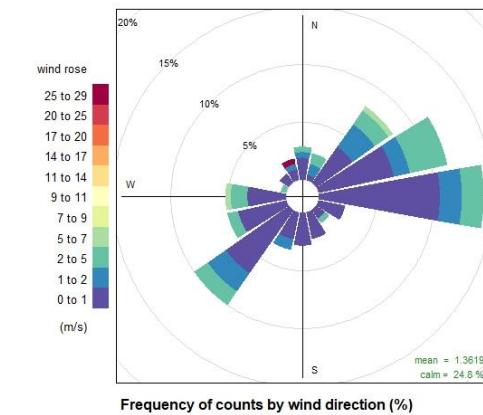


Guwahati

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	25	1.9	0.5	0.5	0	0	0	0	0	0	0	0
12-33		0.5	1	1	0	0	0	0	0	0	0	0
34-56		3.8	2.4	1.4	0.5	0	0	0	0	0	0	0
57-78		6.7	1.4	3.3	0	0	0	0	0	0	0	0
79-101		10.5	1.9	1.9	0	0	0	0	0	0	0	0
102-123		2.4	0	0	0	0	0	0	0	0	0	0
124-146		1	0	0.5	0	0	0	0	0	0	0	0
147-168		2.4	0	0	0	0	0	0	0	0	0	0
168-191		2.9	0	0	0	0	0	0	0	0	0	0
192-213		2.4	1	0	0	0	0	0	0	0	0	0
214-236		6.7	1.9	1.4	0	0	0	0	0	0	0	0
237-258		4.3	0	1	0	0	0	0	0	0	0	0
259-281		3.3	0	1.4	0.5	0	0	0	0	0	0	0
282-303		0	0	0.5	0	0	0	0	0	0	0	0
304-326		1	0	0	0	0	0	0	0	0	0	0
327-348		1	0.5	0	0	0	0	0	0	0	0	0.5

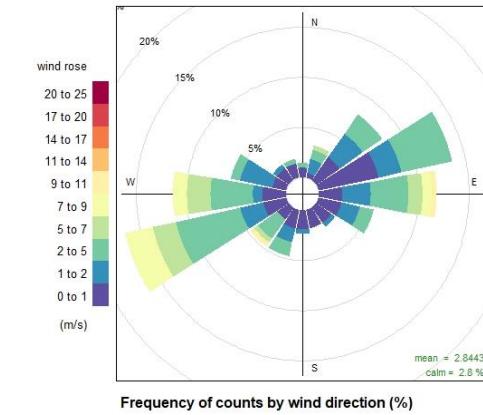


Guwahati

February

925 hPa level

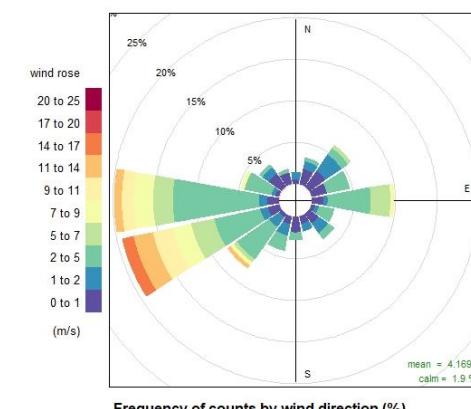
Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	3	0.9	0	0.5	0	0	0	0	0	0	0	0
12-33		0.5	1.4	0.9	0.5	0	0	0	0	0	0	0
34-56		2.8	2.8	2.4	0	0	0	0	0	0	0	0
57-78		6.1	2.4	5.2	0	0	0	0	0	0	0	0
79-101		2.4	2.8	3.8	1.4	0.9	0.5	0	0	0	0	0
102-123		2.4	1.9	1.4	0	0	0	0	0	0	0	0
124-146		1.9	0.5	0	0	0	0	0	0	0	0	0
147-168		1.9	0	0	0	0	0	0	0	0	0	0
168-191		1.9	0.5	0	0	0	0	0	0	0	0	0
192-213		1.9	1.4	1.4	0	0	0	0	0	0	0	0
214-236		1.4	0	2.4	0.5	0	0.5	0	0	0	0	0
237-258		2.4	2.4	6.6	2.4	2.8	0	0	0	0	0	0
259-281		2.4	0.9	4.2	2.4	1.4	0	0	0	0	0	0
282-303		1.4	3.3	0.9	0	0	0	0	0	0	0	0
304-326		1.4	0.5	0	0	0	0	0	0	0	0	0
327-348		1.4	0	0.5	0	0	0	0	0	0	0	0



Guwahati

February

850 hPa level

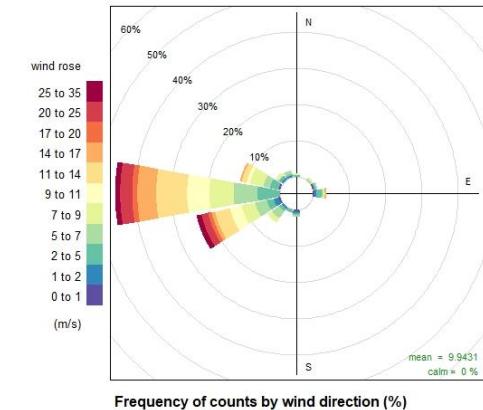


Guwahati

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	0	0.5	0	0.5	0	0	0	0	0	0
12-33		0	0	0	0	0	0	0	0	0	0	0
34-56		0	0	0	0.5	0.5	0	0	0	0	0	0
57-78		0.5	0	0.5	0.5	0	0	0	0	0	0	0
79-101		0.5	0.5	1.4	0.5	0.5	0	0	0.5	0	0	0
102-123		0	0	0	0	0	0	0	0	0	0	0
124-146		0	0	0	0	0	0	0	0	0	0	0
147-168		0	0	0	0	0	0	0	0	0	0	0
168-191		0.5	0.5	0.5	0.5	0	0	0	0	0	0	0
192-213		0	0	0.9	0	0	0	0	0	0	0	0
214-236		0	0.5	0.9	2.4	1.4	0	0	0	0	0	0
237-258		0.5	1.4	1.9	3.3	3.8	3.3	4.3	0.9	0.9	1.9	1.4
259-281		0	0	6.2	6.6	6.6	6.2	8.5	5.2	1.4	3.3	1.4
282-303		0.5	0	2.4	1.9	3.8	0.9	1.4	0.5	0	0	0
304-326		0	0.5	0.9	0	0.9	0	0	0	0	0	0
327-348		0	0.5	0.5	0.9	0	0	0	0	0	0	0

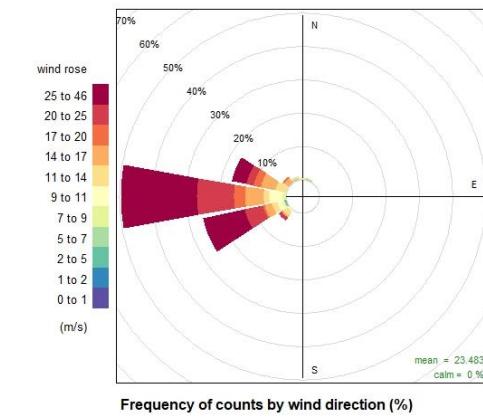


Guwahati

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	0.6	0	0	0	0
12-33		0	0	0	0.6	0	0	0	0	0	0	0
34-56		0	0	0	0	0	0	0	0	0	0	0
57-78		0	0	0	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	0.6	1.7	0.6	0	1.1	0
237-258		0	0	0.6	0	0.6	1.7	1.7	2.2	0.6	5.6	12.8
259-281		0	0	0	0	1.1	3.9	1.7	5.6	3.3	11.1	22.8
282-303		0	0	0	0	0	0	3.3	4.4	2.2	2.2	4.4
304-326		0	0	0	0	0	0	0	1.7	0.6	0	0
327-348		0	0	0	0.6	0	0	0.6	0	0	0	0

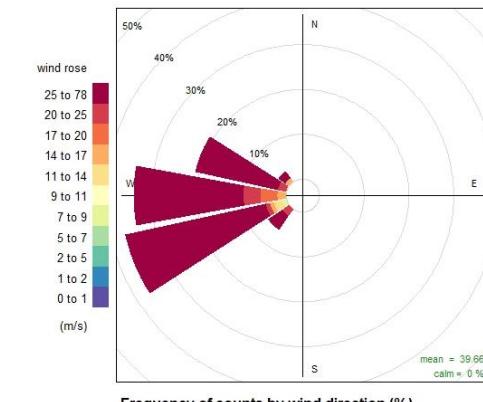


Guwahati

February

300 hPa level

Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	0	0	0	0	0	0	0	0	0	0	0	0
12-33		0	0	0	0	0	0	0	0	0	0	0
34-56		0	0	0	0	0	0	0	0	0	0	0
57-78		0	0	0	0	0	0	0	0	0	0	0
79-101		0	0	0	0	0	0	0	0	0	0	0
102-123		0	0	0	0	0	0	0	0	0	0	0
124-146		0	0	0	0	0	0	0	0	0	0	0
147-168		0	0	0	0	0	0	0	0	0	0	0
168-191		0	0	0	0	0	0	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	1.9	3.8
237-258		0	0	0	0	0.9	0	1.9	0.9	0	0.9	32.1
259-281		0	0	0	0	0	0	0	1.9	3.8	3.8	24.5
282-303		0	0	0	0	0	0	0	0	1.9	1.9	18.9
304-326		0	0	0	0	0	0	0	0.9	0	0	1.9
327-348		0	0	0	0	0	0	0	0	0	0	0

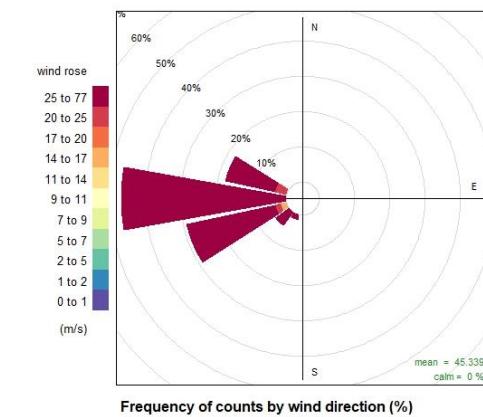


Guwahati

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	1.6
214-236		0	0	0	0	0	0	0	0	0	0	4.8
237-258		0	0	0	0	0	0	0	1.6	0	1.6	25.8
259-281		0	0	0	0	0	0	0	0	0	0	46.8
282-303		0	0	0	0	0	0	0	0	0	3.2	14.5
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

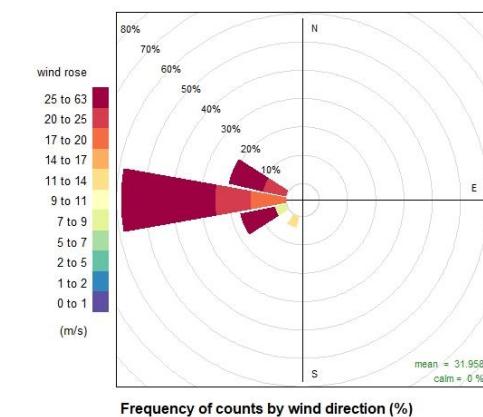


Guwahati

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	4.2	0	0	0	0
214-236		0	0	0	0	0	0	0	0	0	0	0
237-258		0	0	0	0	4.2	0	0	0	0	0	12.5
259-281		0	0	0	0	0	0	0	0	12.5	12.5	33.3
282-303		0	0	0	0	0	0	0	0	0	8.3	12.5
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



Guwahati

March

1000 hPa level

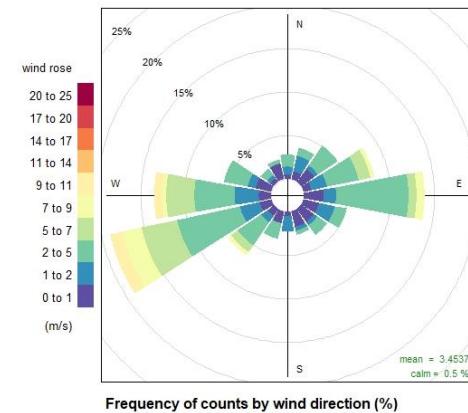
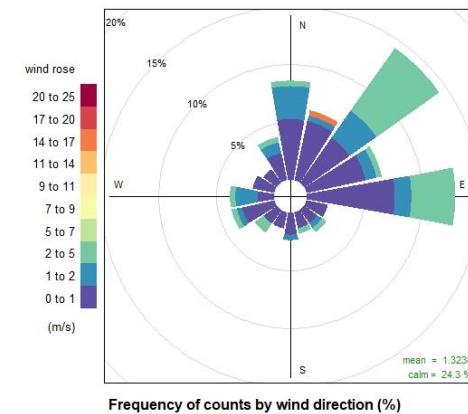
Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	24	5.2	2.9	0.5	0	0	0	0	0	0	0	0
12-33		5.2	0.5	0	0	0	0	0	0.5	0	0	0
34-56		4.8	2.9	6.7	0	0	0	0	0	0	0	0
57-78		5.2	1	0.5	0	0	0	0	0	0	0	0
79-101		7.6	1.4	3.8	0	0	0	0	0	0	0	0
102-123		1.9	0	0	0	0	0	0	0	0	0	0
124-146		1.4	0.5	0.5	0	0	0	0	0	0	0	0
147-168		1.4	0	0.5	0	0	0	0	0	0	0	0
168-191		1.9	0.5	0	0	0	0	0	0	0	0	0
192-213		1.4	0	0	0	0	0	0	0	0	0	0
214-236		1.4	0	1	0	0	0	0	0	0	0	0
237-258		2.9	0.5	0.5	0	0	0	0	0	0	0	0
259-281		1.4	1.9	0.5	0	0	0	0	0	0	0	0
282-303		1.9	0	0	0	0	0	0	0	0	0	0
304-326		1.4	0	0	0	0	0	0	0	0	0	0
327-348		2.4	1	0.5	0	0	0	0	0	0	0	0

Guwahati

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	0.5	0.9	1.4	0	0	0	0	0	0	0	0
12-33		0.9	1.9	0.9	0	0	0	0	0	0	0	0
34-56		1.9	0.5	2.8	0	0	0	0	0	0	0	0
57-78		0.9	1.9	3.7	1.4	0.5	0	0	0	0	0	0
79-101		2.3	1.4	8.3	0.9	0.9	0	0	0	0	0	0
102-123		1.9	1.9	1.4	0	0	0	0	0	0	0	0
124-146		1.9	0.5	1.4	0	0	0	0	0	0	0	0
147-168		1.9	0.5	0.5	0	0	0	0	0	0	0	0
168-191		0.5	1.9	0	0	0	0	0	0	0	0	0
192-213		1.4	0	1.9	0	0	0	0	0	0	0	0
214-236		0.9	0.9	3.2	0.9	0.5	0	0	0	0	0	0
237-258		1.4	2.3	7.4	4.2	2.3	1.4	0	0	0	0	0
259-281		1.4	2.8	4.6	3.2	0.5	0.9	0	0	0	0	0
282-303		1.9	0.9	2.8	0	0	0	0	0	0	0	0
304-326		0.5	0.5	0.9	0	0	0	0	0	0	0	0
327-348		1.9	0	0.5	0	0	0	0	0	0	0	0

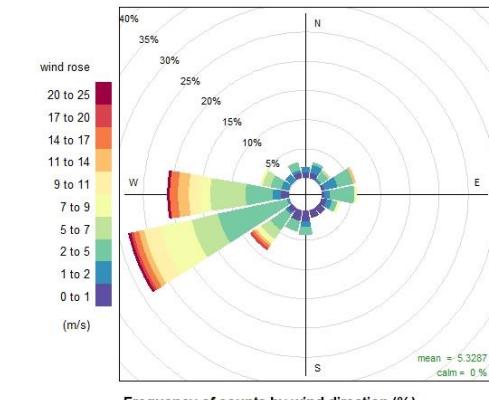


Guwahati

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	0.9	0.9	0	0	0	0	0	0	0	0	0
12-33		0.9	1.4	0.5	0	0	0	0	0	0	0	0
34-56		0	0.5	1.4	0.5	0	0	0	0	0	0	0
57-78		0.5	2.3	2.8	0	0	0	0.5	0	0	0	0
79-101		0.5	0.9	4.2	0	0.5	0	0	0	0	0	0
102-123		0.9	0.9	0.9	0	0.5	0	0	0	0	0	0
124-146		1.4	0	0	0	0	0	0	0	0	0	0
147-168		1.4	0	0	0	0	0	0	0	0	0	0
168-191		1.9	0.9	1.4	0	0	0	0	0	0	0	0
192-213		1.9	0	1.9	0	0	0	0	0	0	0	0
214-236		0.9	0.5	3.2	1.9	0.9	0	0.5	0.5	0.5	0	0
237-258		0	0.5	12	4.6	5.6	2.8	0.9	0.9	0.5	0.5	0
259-281		1.4	1.4	4.6	6	1.9	1.9	1.9	1.4	0	0.5	0
282-303		0	1.4	1.9	1.4	0.5	0	0	0	0	0	0
304-326		0	1.4	0	0	0	0	0	0	0	0	0
327-348		0.9	0.5	1.4	0	0	0	0	0	0	0	0

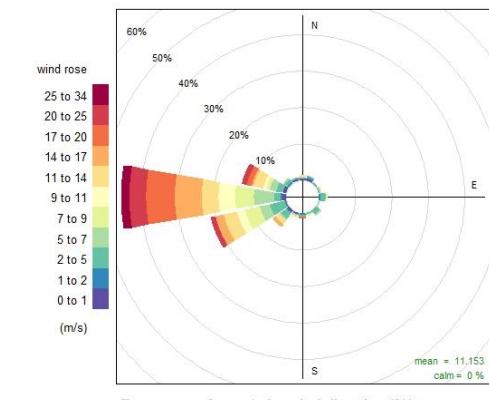


Guwahati

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	0.5	0	0	0.5	0.5	0	0	0	0	0	0
12-33		0.5	0.5	0.5	0	0	0	0	0	0	0	0
34-56		0	0	0.5	0	0	0	0	0	0	0	0
57-78		0	0	0.5	0	0	0	0.5	0	0	0	0
79-101		0	0.5	1.4	0	0.5	0	0	0	0	0	0
102-123		0	0	0	0.5	0	0	0	0	0	0	0
124-146		0	0	1.4	0.5	0	0	0	0	0	0	0
147-168		0	0	0.5	0	0.5	0	0	0	0	0	0
168-191		0	0.5	0.5	0	0	0	0	0.5	0	0	0
192-213		0.5	0	0	0.5	0.5	0	0	0	0	0	0
214-236		0.5	0.5	1.9	0.5	0	0	1.4	0.9	0	0	0
237-258		0	0.5	4.2	2.8	4.2	2.3	3.7	2.3	0	1.4	0
259-281		0.9	0.5	1.9	5.6	5.1	4.6	4.6	7.4	7.9	4.6	2.3
282-303		0.9	0	1.9	1.9	0.9	0.9	2.8	0.5	1.4	1.4	0
304-326		0	0.5	0.9	0.5	0	0	0	0	0	0	0
327-348		0.5	0	0.5	0	0	0	0	0	0	0	0



Guwahati

March

500 hPa level

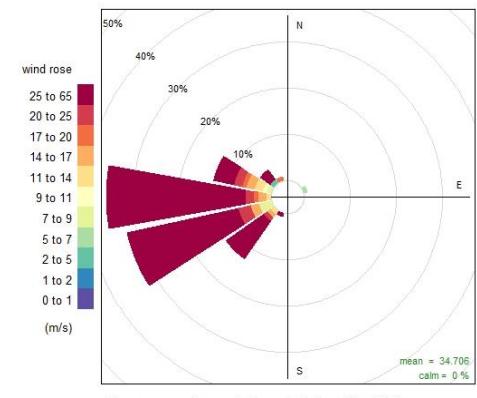
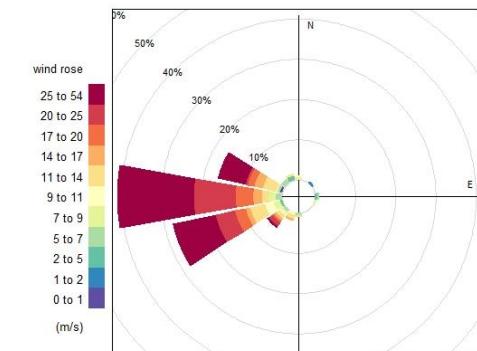
Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	0	0	0	0	0	0.5	0.5	0	0	0	0	0
12-33		0	0	0	0	0	0	0	0	0	0	0
34-56		0	0.5	0	0	0	0	0	0	0	0	0
57-78		0	0	0	0	0	0	0	0	0	0	0
79-101		0	0	0.5	0.5	0	0	0	0	0	0	0
102-123		0	0	0	0	0.5	0	0	0	0	0	0
124-146		0	0	0	0	0	0	0	0	0	0	0
147-168		0	0	0	0	0	0	0	0	0	0	0
168-191		0	0	0	0.5	0	0	0.5	0	0	0	0
192-213		0	0	0	0	0	0.5	1.1	0.5	0	0	0
214-236		0	0	0	0.5	0.5	0.5	1.1	0.5	0.5	1.1	0.5
237-258		0	0	0.5	0	1.6	2.2	3.8	1.1	2.7	4.9	10.9
259-281		0	0	0	1.6	1.6	0	1.6	2.2	4.4	10.4	19.1
282-303		0.5	0	0	0.5	0.5	0	3.3	2.2	1.6	0.5	7.1
304-326		0	0	0	1.1	0	0	0	0	0	0	0
327-348		0	0	1.1	0	0	0	0.5	0	0	0	0

Guwahati

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	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	0.9	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	0.9
214-236		0	0	0	0	0	0.9	0.9	0	0.9	0	10.1
237-258		0	0	0	0	2.8	0	0	1.8	0	2.8	24.8
259-281		0	0	0	0	0	0.9	0.9	1.8	0.9	1.8	30.3
282-303		0	0	0	0.9	0.9	1.8	1.8	0.9	0.9	1.8	4.6
304-326		0	0	0.9	0	0	0	0	0	0	0	2.8
327-348		0	0	0	0	0	0	0	0	0.9	0	0

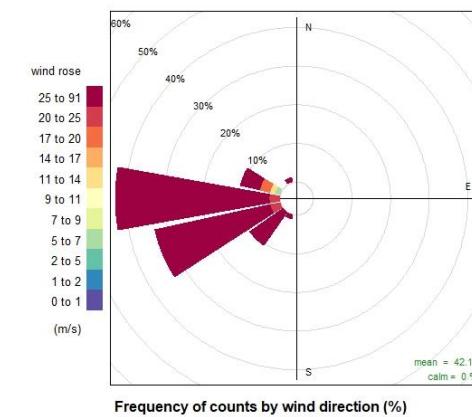


Guwahati

March

200 hPa level

Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	0	0	0	0	0	0	0	0	0	0	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	10.7
237-258		0	0	0	0	0	0	0	0	0	2.7	30.7
259-281		0	0	0	0	0	0	0	0	0	2.7	40
282-303		0	0	0	1.3	0	0	1.3	0	2.7	0	5.3
304-326		0	0	0	0	0	0	0	0	0	0	0
327-348		0	0	0	0	0	0	0	0	0	0	1.3

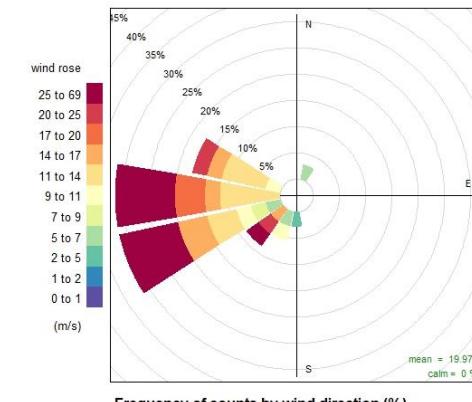


Guwahati

March

100 hPa level

Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	0	0	0	0	0	0	0	0	0	0	0	0
12-33		0	0	0	2.9	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	2.9	0	0	0	0	0	0	0	0
192-213		0	0	0	2.9	0	2.9	0	0	0	0	0
214-236		0	0	0	0	0	0	0	2.9	0	2.9	2.9
237-258		0	0	0	2.9	2.9	2.9	5.7	5.7	0	0	11.4
259-281		0	0	0	0	0	11.4	2.9	5.7	0	0	11.4
282-303		0	0	0	0	0	2.9	8.6	2.9	0	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

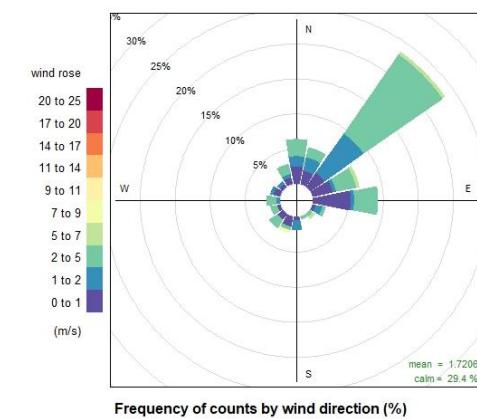


Guwahati

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	29	2.5	1.5	2.5	0	0	0	0	0	0	0	0
12-33		2	2	1.5	0	0	0	0	0	0	0	0
34-56		2.5	6.9	13.7	0.5	0	0	0	0	0	0	0
57-78		2.9	0.5	2.9	0.5	0	0	0	0	0	0	0
79-101		5.4	0.5	3.4	0	0	0	0	0	0	0	0
102-123		0.5	1	0.5	0	0	0	0	0	0	0	0
124-146		0	0	0.5	0.5	0	0	0	0	0	0	0
147-168		0	0	0.5	0	0	0	0	0	0	0	0
168-191		0.5	1.5	0	0	0	0	0	0	0	0	0
192-213		1.5	0	0.5	0	0.5	0	0	0	0	0	0
214-236		1	0	1.5	0	0	0	0	0	0	0	0
237-258		0.5	0	1	0	0	0	0	0	0	0	0
259-281		0	0.5	1.5	0	0	0	0	0	0	0	0
282-303		1	0.5	0	0	0	0	0	0	0	0	0
304-326		0.5	0.5	0	0	0	0	0	0	0	0	0
327-348		1	0.5	1.5	0	0	0	0	0	0	0	0

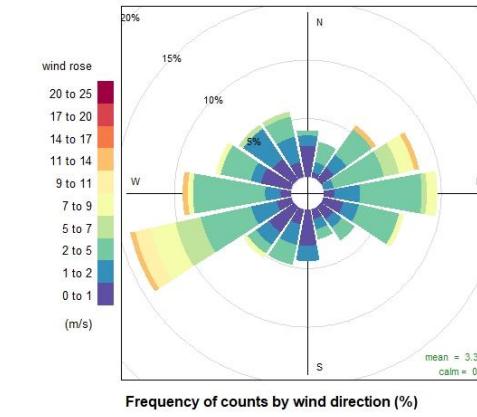


Guwahati

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	2.6	0.9	0.4	0	0	0	0	0	0	0	0
12-33		0.4	0.9	1.8	0	0	0	0	0	0	0	0
34-56		1.3	1.3	2.6	0	0	0	0.4	0	0	0	0
57-78		0	0.9	4.4	1.3	1.3	0	0.4	0	0	0	0
79-101		0.9	2.2	5.3	0.4	0.9	0	0	0	0	0	0
102-123		1.8	1.3	3.5	0	0.4	0	0	0	0	0	0
124-146		1.3	0.9	1.3	0	0	0	0	0	0	0	0
147-168		0.9	0.4	0.9	0	0	0	0	0	0	0	0
168-191		3.1	1.8	0	0	0	0	0	0	0	0	0
192-213		1.3	1.8	1.8	0	0	0	0	0	0	0	0
214-236		2.6	1.3	0.9	0	0.4	0	0	0	0	0	0
237-258		1.3	2.2	4.4	2.2	2.2	1.3	0.4	0	0	0	0
259-281		0.9	1.3	6.2	0	0.4	0	0.4	0	0	0	0
282-303		2.6	0.9	2.6	0	0.4	0	0	0	0	0	0
304-326		2.2	3.1	0	0.4	0	0	0	0	0	0	0
327-348		1.3	2.2	1.8	0.4	0	0	0	0	0	0	0

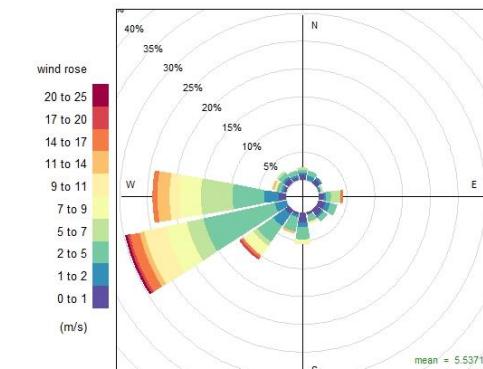


Guwahati

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	0.9	0.4	0.4	0.4	0	0	0	0	0	0	0
12-33		0	0.9	0.9	0	0	0	0	0	0	0	0
34-56		0.9	0.4	0	0	0	0	0	0	0	0	0
57-78		0	0.4	0	0.4	0	0	0	0	0	0	0
79-101		0.9	0.4	0.9	1.7	0	0	0	0.4	0	0	0
102-123		1.3	0.9	1.3	0	0	0	0	0	0	0	0
124-146		1.3	0.4	0.9	0	0	0	0	0	0	0	0
147-168		0	0	1.3	0	0	0	0	0	0	0	0
168-191		2.2	0.9	2.2	0	0.4	0.9	0	0	0	0	0
192-213		0.4	0.4	2.6	0	0	0	0.4	0	0	0	0
214-236		0.9	2.6	3.5	0.9	1.7	0.4	0	0.4	0.4	0	0
237-258		0	2.2	13.1	3.1	3.9	3.9	0.9	1.7	0.4	0.4	0
259-281		1.3	2.6	5.7	5.7	3.9	1.7	2.2	0.9	0	0	0
282-303		0.4	0.4	0.9	0	0	0.4	0.4	0	0	0	0
304-326		0.9	0.4	0.9	0.4	0	0	0	0	0	0	0
327-348		0.4	0.4	0.9	0	0	0	0	0	0	0	0

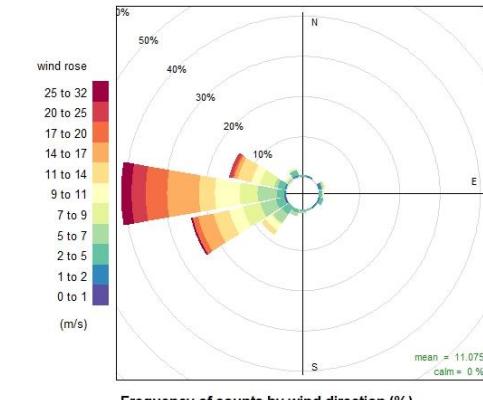


Guwahati

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	0.4	0	0	0	0	0	0	0	0
12-33		0	0.4	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	0.9	0	0.4	0.4	0	0	0	0	0	0
79-101		0	0	0.9	0	0	0.4	0	0	0	0	0
102-123		0	0.4	0.9	0	0	0	0	0	0	0	0
124-146		0	0.4	0	0	0	0	0	0	0	0	0
147-168		0	0	0.4	0	0	0	0	0	0	0	0
168-191		0	0	0.4	0.4	0	0	0	0	0	0	0
192-213		0	0	0.9	0.9	0	0	0	0	0	0	0
214-236		0	0	2.2	2.6	0.4	1.8	1.3	0	0	0	0
237-258		0.4	0	2.2	4	4.4	3.5	4	4	1.3	0	0.4
259-281		0	0.4	1.8	4.8	4.4	6.2	4	7.9	5.3	3.5	2.6
282-303		0	0.4	1.8	0.9	3.5	2.2	3.5	0.9	0.4	0.9	0
304-326		0	0	0.4	0.4	0	0	0	0	0	0	0
327-348		0	0.4	1.3	0	0.4	0	0	0	0	0	0

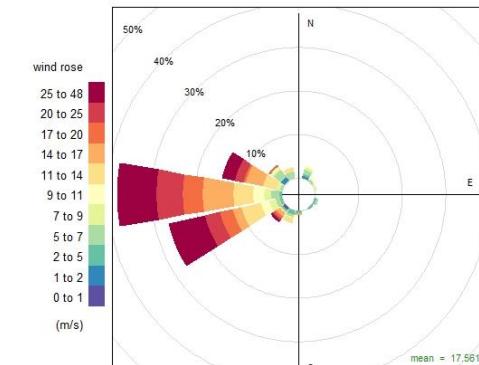


Guwahati

April

500 hPa level

Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	0	0	0	0	0	0	0	0	0	0	0	0
12-33		0	0.5	0.5	1	0.5	0.5	0	0	0	0	0
34-56		0	0	0	0.5	0	0.5	0	0	0	0	0
57-78		0	0	0	0	0.5	0	0	0	0	0	0
79-101		0	0	0	0	0	0	0	0	0	0	0
102-123		0	0	0.5	0.5	0	0	0	0	0	0	0
124-146		0	0	0.5	0	0	0	0	0	0	0	0
147-168		0	0	0	0	0	0	0	0	0	0	0
168-191		0	0	0.5	0	0	0	0.5	0	0	0	0
192-213		0	0	1	0.5	0.5	0	1	0	0	0	0
214-236		0.5	0	0.5	0	0	0	0.5	1	0.5	0.5	0.5
237-258		0	0	0.5	1	1.5	2	4.5	2	3	3.5	8.6
259-281		0	0	0.5	2	1.5	2.5	4.5	7.1	4.5	6.1	9.1
282-303		0	0	0	0.5	1	0	3	4	0.5	2	3
304-326		0	1	0	2	0.5	0.5	0	0	0.5	0	0
327-348		0	0	0	1.5	0	0	1	0	0	0	0

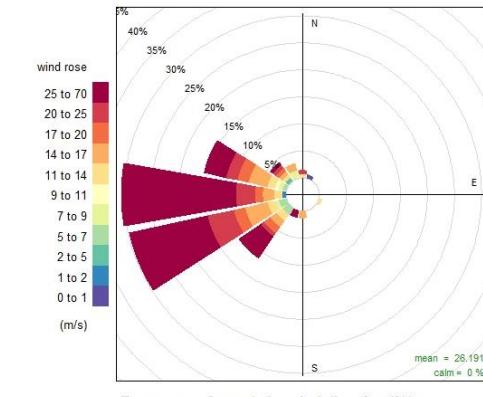


Guwahati

April

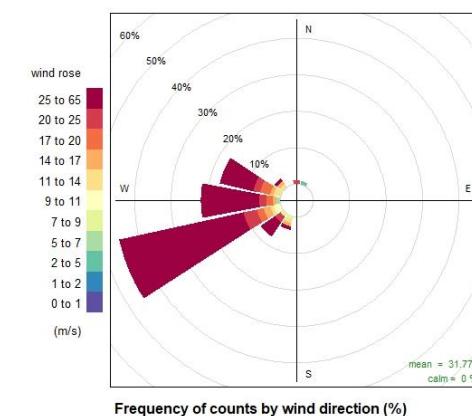
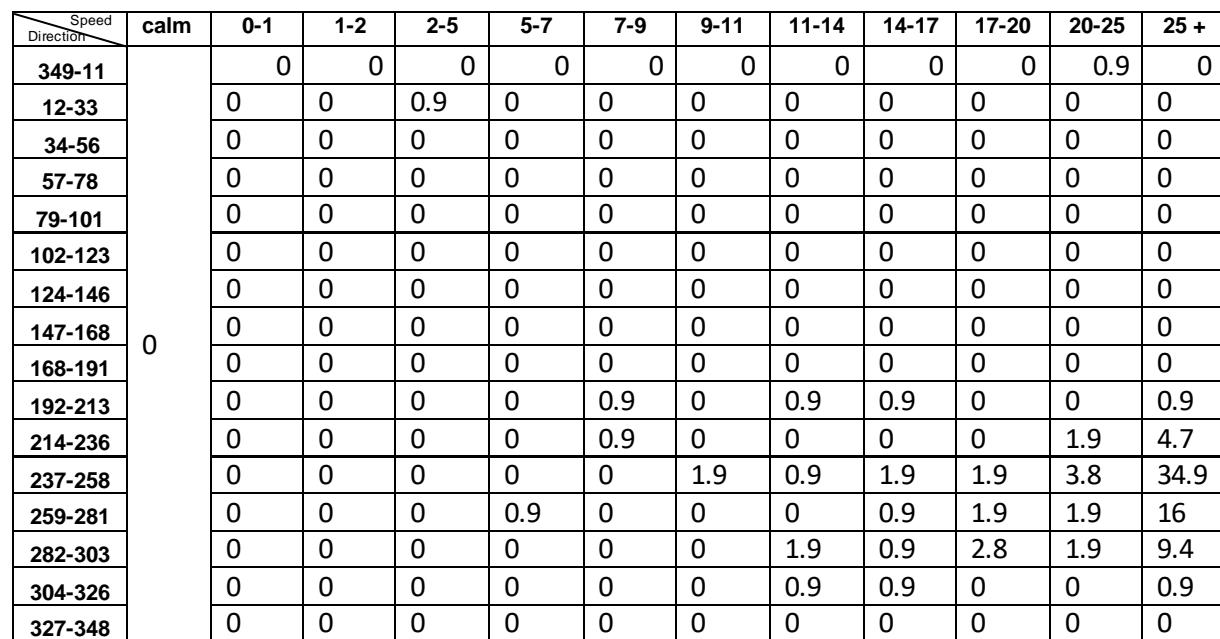
300 hPa level

Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	0	0	0	0	0	0	0	0.7	0	0	0.7	0
12-33		0.7	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	0.7	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	1.4	0	0	0
192-213		0	0	0	0	0	0	0	0	0	0	1.4
214-236		0	0	0	1.4	0	0	1.4	1.4	1.4	0.7	5
237-258		0	0	0	1.4	0.7	0	1.4	4.3	2.1	5	14.9
259-281		0	0.7	0	0	0	1.4	2.1	1.4	3.5	21.3	
282-303		0	0	0	0.7	0.7	0.7	1.4	3.5	2.1	2.1	4.3
304-326		0	0	0.7	0	0	0.7	0.7	0.7	0.7	0.7	0.7
327-348		0	0	0	0	1.4	0	0	1.4	0	0	0



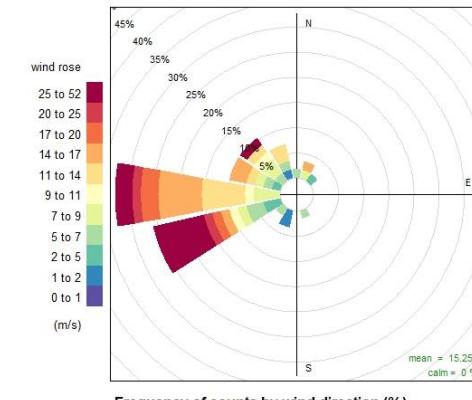
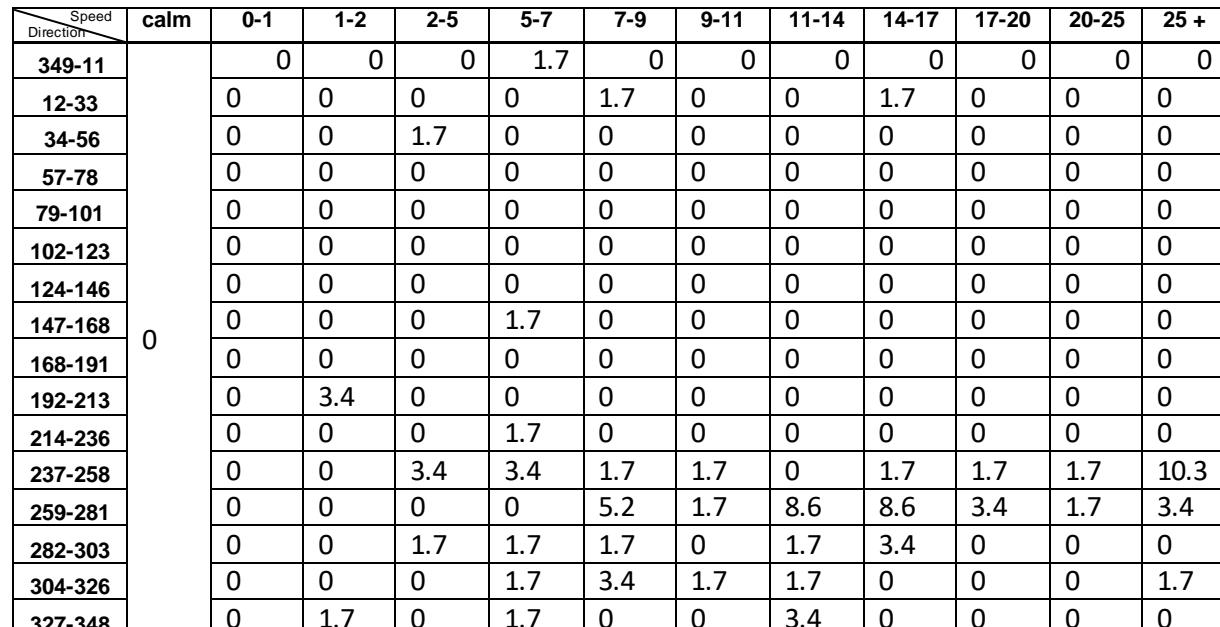
Guwahati

April **200 hPa level**



Guwahati

April 100 hPa level

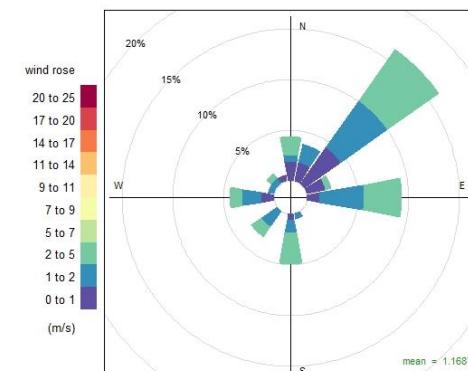


Guwahati

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	48	1.9	0.6	1.9	0	0	0	0	0	0	0	0
12-33		1.9	1.9	0	0	0	0	0	0	0	0	0
34-56		4.4	5.6	6.2	0	0	0	0	0	0	0	0
57-78		1.9	0	0.6	0	0	0	0	0	0	0	0
79-101		1.2	4.4	3.8	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	0.6	0	0	0	0	0	0	0	0	0
168-191		0.6	1.2	3.1	0	0	0	0	0	0	0	0
192-213		0	0	0	0	0	0	0	0	0	0	0
214-236		0	1.9	1.2	0	0	0	0	0	0	0	0
237-258		0	0	0	0	0	0	0	0	0	0	0
259-281		1.2	1.9	1.2	0	0	0	0	0	0	0	0
282-303		0	0.6	0	0	0	0	0	0	0	0	0
304-326		0	0.6	0.6	0	0	0	0	0	0	0	0
327-348		0.6	0	0	0	0	0	0	0	0	0	0

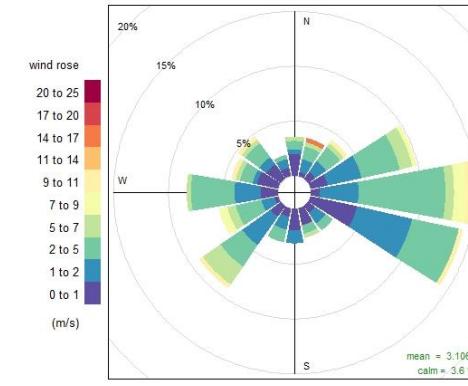


Guwahati

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	4	2	0.4	0.8	0.4	0	0	0	0	0	0	0
12-33		0.4	1.2	1.2	0.4	0	0	0	0.4	0	0	0
34-56		0.8	1.2	1.6	0.4	0	0.4	0	0	0	0	0
57-78		1.6	3.2	3.6	1.2	0.4	0	0	0	0	0	0
79-101		0.8	3.6	7.9	0.8	1.2	0.8	0	0	0	0	0
102-123		4.3	5.1	4.3	0	0	0.4	0	0	0	0	0
124-146		0.8	1.2	0.8	0	0	0	0	0	0	0	0
147-168		1.6	0	0.8	0.4	0	0	0	0	0	0	0
168-191		2	1.2	0	0	0	0	0	0	0	0	0
192-213		0.8	1.2	1.2	0	0	0	0	0	0	0	0
214-236		1.2	3.2	2.4	2	0	0.4	0	0	0	0	0
237-258		0.4	1.2	2.4	0.8	0.8	0	0	0	0	0	0
259-281		1.6	2.4	4	0.4	0	0	0	0	0	0	0
282-303		2	0.4	1.2	0.4	0	0.4	0	0	0	0	0
304-326		1.6	0.8	1.6	0.4	0	0.4	0	0	0	0	0
327-348		0.8	0.8	0.4	0	0	0	0	0	0	0	0

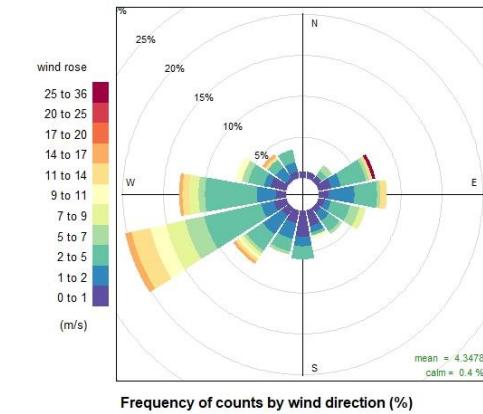


Guwahati

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	0.8	0	0	0	0	0	0	0	0	0	0
12-33		0.8	0	0	0	0	0	0	0	0	0	0
34-56		0.8	0	0.8	0.8	0	0	0	0	0	0	0
57-78		1.6	1.2	3.2	0.4	0	0	0.4	0	0	0	0.4
79-101		1.2	3.2	2.8	0.4	0	0	0.8	0	0	0	0
102-123		0.8	0.8	2.4	1.2	0.8	0	0	0	0	0	0
124-146		0.8	1.2	1.6	0.4	0	0	0	0	0	0	0
147-168		2	0.8	0.4	0	0	0	0	0	0	0	0
168-191		3.2	1.2	1.6	0	0	0.4	0	0	0	0	0
192-213		1.6	2	1.6	0.4	0	0	0	0	0	0	0
214-236		1.2	2.8	2.4	0.4	0.4	0.4	0.4	0.4	0	0	0
237-258		1.6	1.6	7.1	2.4	2.4	2	2.4	0.8	0	0	0
259-281		1.2	2.4	6.3	0.8	1.2	0	0.8	0.4	0	0	0
282-303		2	0.8	2	0.8	0	0.8	0	0	0	0	0
304-326		0.4	1.6	1.2	0	0	0	0.4	0.4	0	0	0
327-348		0.8	1.2	1.6	0	0	0	0	0	0	0	0

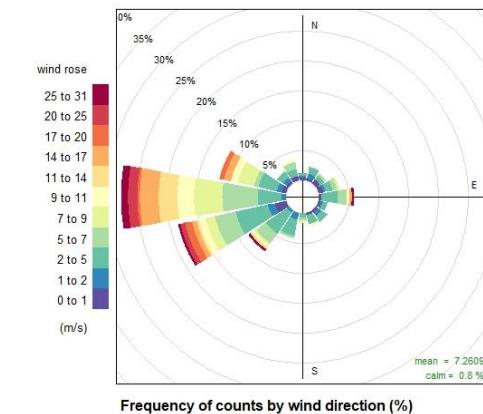


Guwahati

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	0.4	0.4	0.4	0	0	0	0	0	0	0	0
12-33		0.4	0.8	1.2	0	0	0	0	0	0	0	0
34-56		0.8	0	0.8	0.4	0	0	0	0	0	0	0
57-78		0.8	0.4	1.2	0.8	0.4	0	0	0	0	0	0
79-101		0.4	0	2.8	1.6	0	0.4	0	0.4	0	0	0.4
102-123		0.4	0.4	0.8	0	0	0	0	0	0	0	0
124-146		0.4	0.8	1.2	0	0	0	0	0	0	0	0
147-168		0.4	0	1.6	0	0	0.4	0	0	0	0	0
168-191		0	0	0.8	0.4	0.4	0	0	0	0	0	0
192-213		0	1.2	2.8	0.4	0	0	0	0	0	0	0
214-236		0	0.4	4.3	2	0.4	0.4	0.4	0	0	0	0.4
237-258		2	1.2	5.5	3.6	1.6	1.2	0.4	0.8	1.2	0.8	0.4
259-281		0	0.8	4	5.9	4.7	2.8	3.2	3.2	0.4	1.6	1.2
282-303		0.8	0.8	3.2	0.8	2.8	1.2	0	1.2	0.8	0	0
304-326		0.4	0.8	1.2	0	0	0	0	0	0	0	0
327-348		0.8	0	1.2	1.2	0	0.4	0	0	0	0	0

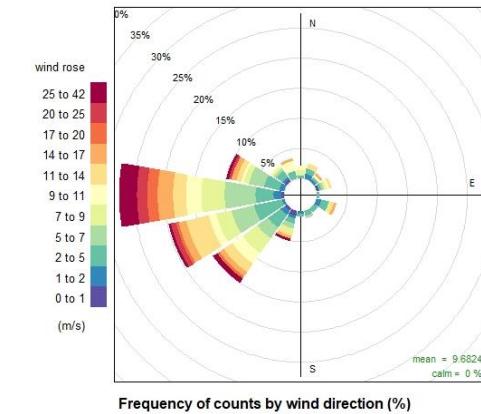


Guwahati

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	0.4	0	0.9	0.9	0	0	0	0	0
12-33		0	0.9	0.9	0	0	0	0.9	0	0	0	0
34-56		0	0.4	0.4	0	0	0.4	0	0.4	0	0	0
57-78		0.4	0	0.4	0.4	0.4	0.4	0.4	0	0	0	0
79-101		0	0	0.4	0	0	0	0	0	0	0	0
102-123		0	0.9	1.3	0	0.4	0	0.4	0.4	0	0	0
124-146		0	0	0.9	0	0	0	0	0	0	0	0
147-168		0	0	0.9	0.4	0	0	0	0	0	0	0
168-191		0	0.4	0.4	0	0	0	0	0	0	0	0
192-213		0.9	0.4	0.9	0.9	0	0.4	0.4	0	0	0	0.4
214-236		0.4	0.9	2.6	2.1	3	2.1	1.7	0.9	0.4	0	0.9
237-258		0	0.4	4.7	3.9	2.6	1.3	3.9	1.3	0.4	0.9	0.4
259-281		0.4	1.3	3	5.2	3.9	2.6	2.1	2.6	1.7	1.7	3
282-303		0	0.9	2.6	2.6	0.9	0.4	0.9	0.9	0	0.4	0.4
304-326		0.4	0.4	1.3	0.4	0.4	0.4	0	0	0	0	0
327-348		0	0	1.3	0	0	1.7	0	0.4	0	0	0

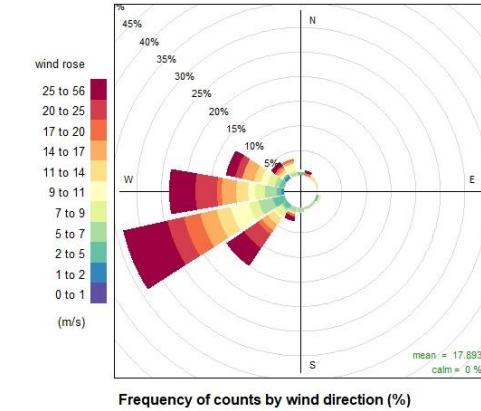


Guwahati

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	0.5	0	0	0.5	0	0	0	0	0
12-33		0	0	0	0	0	0	0	0.5	0	0.5	0
34-56		0	0	0	0	0	0	0.5	0	0	0	0
57-78		0	0	0	0	0.5	0	0	0	0	0	0
79-101		0	0	0	0	0	0	0	0	0	0	0
102-123		0	0	0.5	0	0.5	0	0	0	0	0	0
124-146		0	0	0	0.5	0	0	0	0	0	0	0
147-168		0	0	0	0.5	0	0	0	0	0	0	0
168-191		0	0	0	1	0	0	0	0	0	0	0
192-213		0	0	0	1	0.5	0	0	0	0.5	0	1
214-236		0	0	1	0.5	1.5	0.5	1.5	1.5	1	3.4	4.4
237-258		0	0	2.4	2.9	1.9	3.9	2.9	3.4	3.4	3.4	9.2
259-281		0.5	1	2.4	1.9	1.5	2.4	2.4	1	4.4	4.4	5.3
282-303		0	0	1	1	1.5	1.5	1.5	2.4	0	1.5	1.9
304-326		0.5	0.5	0	0	0.5	0.5	0.5	0.5	0.5	0	1
327-348		0	0	0	0.5	0.5	1.5	0	0.5	0.5	0	0

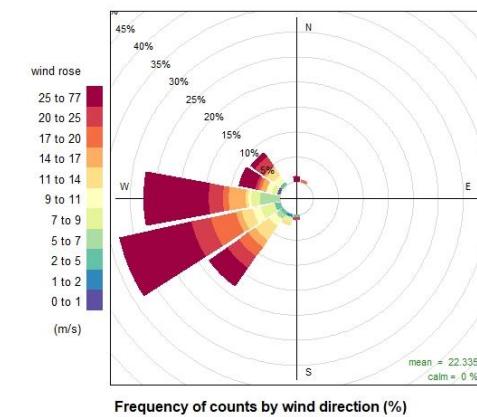


Guwahati

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	1.1
12-33		0	0	0	0	0	0	0	0.6	0	0	0
34-56		0	0	0	0	0	0	0	0	0	0	0
57-78		0	0	0	0	0	0	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	0.6	0	0	0	0	0	0	0.6	0
192-213		0	0.6	0	1.1	0	0.6	0	0	0	0	0
214-236		0	0	0.6	1.1	0	1.7	3.4	1.7	2.3	2.8	4.5
237-258		0	0	1.1	0	2.8	1.7	2.3	1.1	5.1	4	14.8
259-281		0	0	0	4	1.7	0.6	0.6	3.4	1.1	2.8	13.1
282-303		0.6	0	0	1.1	1.1	0	1.1	0.6	0.6	0.6	3.4
304-326		0	0	0.6	0	0	1.7	1.7	0.6	0	2.3	1.1
327-348		0	0	0	0	0	0	0	0	0	0	0

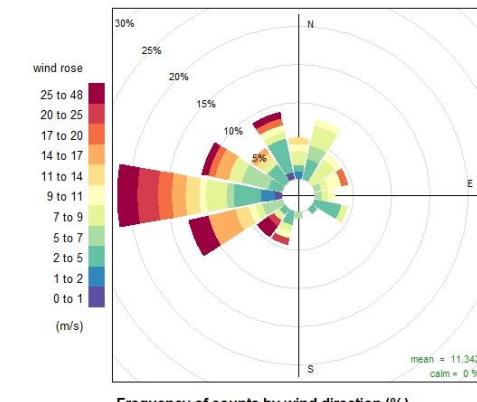


Guwahati

May

100 hPa level

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

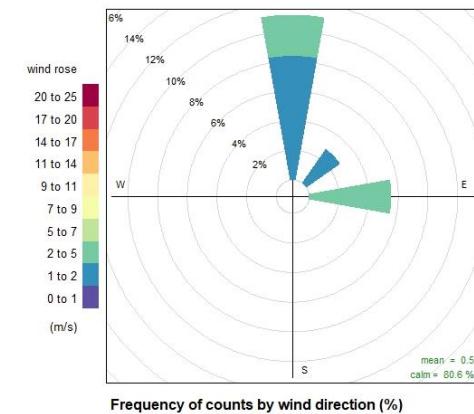


Guwahati

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	81	0	8.3	2.8	0	0	0	0	0	0	0	0
12-33		0	0	0	0	0	0	0	0	0	0	0
34-56		0	2.8	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	5.6	0	0	0	0	0	0	0	0
102-123		0	0	0	0	0	0	0	0	0	0	0
124-146		0	0	0	0	0	0	0	0	0	0	0
147-168		0	0	0	0	0	0	0	0	0	0	0
168-191		0	0	0	0	0	0	0	0	0	0	0
192-213		0	0	0	0	0	0	0	0	0	0	0
214-236		0	0	0	0	0	0	0	0	0	0	0
237-258		0	0	0	0	0	0	0	0	0	0	0
259-281		0	0	0	0	0	0	0	0	0	0	0
282-303		0	0	0	0	0	0	0	0	0	0	0
304-326		0	0	0	0	0	0	0	0	0	0	0
327-348		0	0	0	0	0	0	0	0	0	0	0

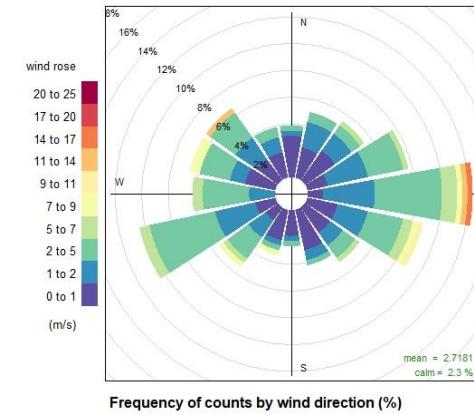


Guwahati

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	2	3.1	0.4	0.4	0	0	0	0	0	0	0	0
12-33		2.3	1.9	0.8	0	0	0	0	0	0	0	0
34-56		2.7	1.5	0.8	0.4	0	0	0	0	0	0	0
57-78		1.5	3.1	2.7	0.4	0	0	0	0	0	0	0
79-101		1.2	3.9	5	1.2	0.4	0	0.4	0.4	0	0	0
102-123		2.3	2.3	2.7	0.8	0.4	0.4	0	0	0	0	0
124-146		2.3	1.2	1.2	0.4	0	0	0	0	0	0	0
147-168		2.7	0.8	0.4	0	0	0	0	0	0	0	0
168-191		2.3	0.4	0.4	0	0	0	0	0	0	0	0
192-213		2.3	0.4	0.4	0	0.4	0	0	0	0	0	0
214-236		1.2	1.5	1.9	0.4	0.4	0	0	0	0	0	0
237-258		1.5	3.1	5	0.8	0	0	0	0	0	0	0
259-281		0	1.9	3.5	0.8	0	0	0	0	0	0	0
282-303		2.3	1.2	2.3	0	0.8	0	0	0	0	0	0
304-326		1.9	1.9	2.3	0	0	0	0.4	0	0	0	0
327-348		1.9	1.2	0.8	0	0	0	0	0	0	0	0

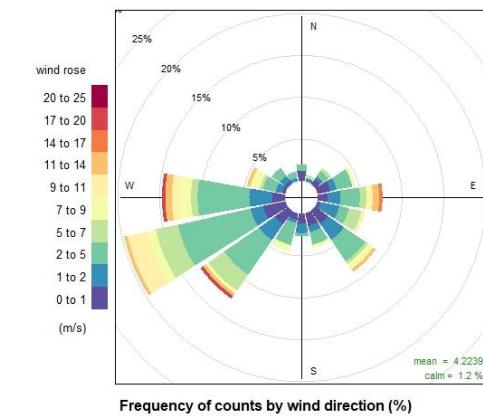


Guwahati

June

850 hPa level

Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	1	1.2	0	0.8	0	0	0	0	0	0	0	0
12-33		0	0.4	0	0.4	0	0	0	0	0	0	0
34-56		0.8	0.4	0.8	0.4	0	0	0	0	0	0	0
57-78		1.5	0.8	1.9	0	0.4	0	0	0	0	0	0
79-101		1.2	1.5	2.3	0.8	0.4	0.4	0.8	0.4	0	0	0
102-123		0.4	2.3	1.2	1.5	0	0.4	0	0	0	0	0
124-146		1.9	2.3	3.1	0.4	0.8	0	0.4	0	0	0	0
147-168		1.2	0.8	1.2	0	0.4	0	0	0	0	0	0
168-191		1.5	1.2	0.8	0	0	0	0	0	0	0	0
192-213		0.8	0.4	2.7	0	0.8	0	0	0	0	0	0
214-236		1.9	2.3	5	2.3	0.4	0	0.4	0	0.4	0	0
237-258		2.7	1.5	8.9	2.7	1.2	2.3	0.4	0	0	0	0
259-281		1.5	2.7	6.2	0.8	1.5	0.8	0.8	0	0.4	0	0
282-303		0.4	0.8	1.5	0.4	1.2	0	0.4	0	0	0	0
304-326		0.4	0.8	1.2	0	0	0	0	0	0	0	0
327-348		0	0.4	0.8	0	0	0	0	0	0	0	0

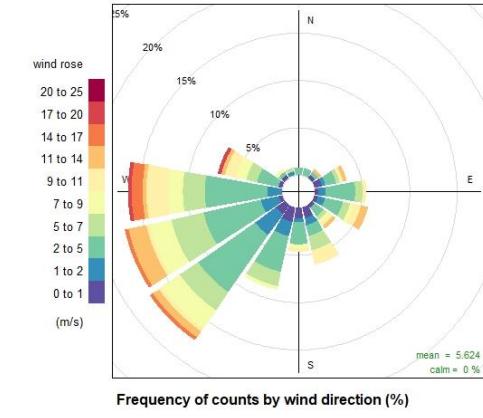


Guwahati

June

700 hPa level

Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	0	0	0	0.8	0	0	0	0	0	0	0	0
12-33		0	0	0.8	0	0	0	0	0	0	0	0
34-56		0.4	0	0.4	0	0	0	0.4	0	0	0	0
57-78		0.8	0.4	1.2	0.4	0	0.4	0.4	0	0	0	0
79-101		0.4	0.8	3.1	0.8	0	0.4	0	0	0	0	0
102-123		0.4	0.8	1.9	0.8	0.4	0.8	0.8	0	0	0	0
124-146		0.4	0	1.2	0.4	0.4	0.4	0.4	0	0	0	0
147-168		0.8	0.8	1.2	1.6	0	1.6	0	0	0	0	0
168-191		1.6	0.4	2.3	0	0.4	0.4	0	0	0	0	0
192-213		1.6	1.6	3.9	1.6	0.4	0	0	0	0	0	0
214-236		1.2	2.7	7.4	2.3	2.3	0.4	0.8	0.4	0	0	0
237-258		0.4	1.9	6.2	3.5	2.3	0.4	1.9	0.4	0	0	0
259-281		0	1.6	6.6	2.3	1.6	2.3	0.4	1.2	0.4	0	0
282-303		0.4	0	2.3	1.2	1.2	1.2	0.4	0	0.4	0	0
304-326		0.4	0	0.4	0	0.4	0	0	0	0	0	0
327-348		0	0.4	0	0.4	0	0	0	0	0	0	0

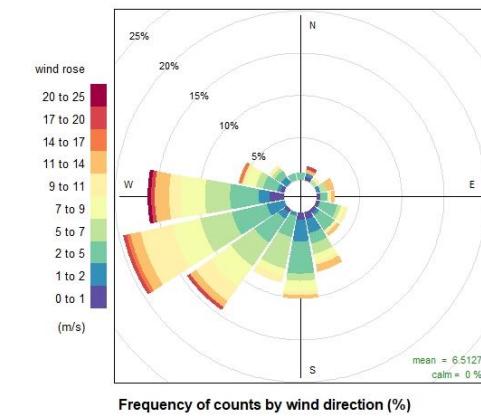


Guwahati

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

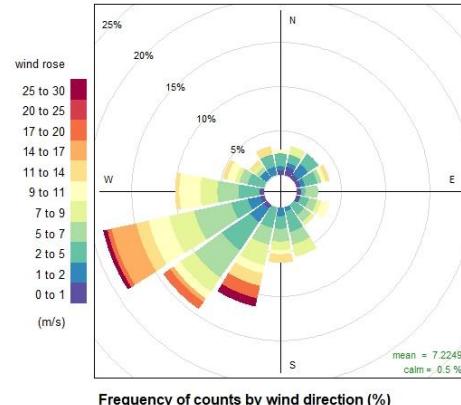


Guwahati

June

300 hPa level

Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11		0.5	0.5	1.4	0	0	0.5	0	0	0	0	0
12-33		1	0.5	1	0	1	0	0	0	0	0	0
34-56		0.5	1.4	1.4	0	0	0	0	0	0	0	0
57-78		0.5	0.5	1.4	0.5	0	0.5	0.5	0	0	0	0
79-101		0.5	0	0.5	1.4	0	0	0	0	0	0	0
102-123		0.5	0	1	1	0.5	1	0	0	0	0	0
124-146		0	0	1.4	1	0.5	0	0	0	0	0	0
147-168		0	0.5	2.4	1	1.4	0	0	0	0	0	0
168-191		0	1	1.4	1.9	1	0.5	1	0	0	0	0
192-213		0	0	2.4	1.9	2.4	1	1.4	0	1.4	0	1
214-236		0.5	1.9	3.8	3.8	1.9	1	0	0.5	1	0	0
237-258		0.5	1.4	1.9	4.3	2.9	2.4	1.4	2.9	0.5	0	0.5
259-281		0.5	0	2.4	2.4	1.9	2.4	0.5	0	0	0	0
282-303	0	0	0	1.9	1	0.5	1	0.5	0	0	0	0
304-326	0	1	0	0.5	0.5	0	0.5	0	0	0	0	0
327-348	0	1	1.4	0	0	0	1	0	0	0	0	0



Guwahati

June

200 hPa level

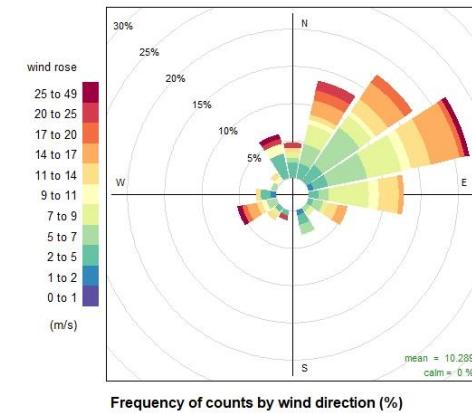
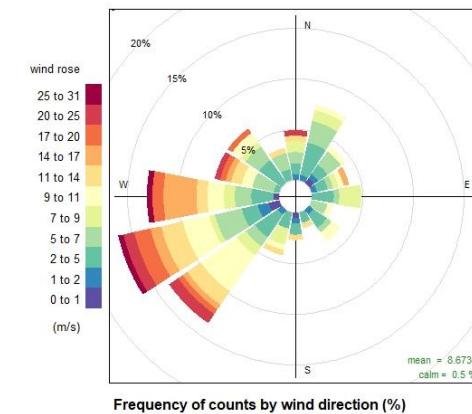
Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11		0	0.5	1.1	1.1	1.1	0	0.5	0	0	0.5	0
12-33		0	0.5	3.3	2.2	1.1	0.5	0	0	0	0	0
34-56		0.5	0.5	1.1	1.6	0	0.5	0	0	0	0	0
57-78		0	0.5	1.1	0.5	0.5	0.5	0	0.5	0	0	0
79-101		0	0	2.2	0.5	2.2	0	0	0	0	0	0
102-123		0	0	0	1.6	0	0.5	0	0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

Guwahati

June

100 hPa level

Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11		0	0	2	0.7	0.7	0	0.7	0	0	0.7	0
12-33		0	0	2	2.7	2.7	0.7	0.7	2	1.3	1.3	0
34-56		0	0	2.7	6	2	0.7	2	2.7	1.3	0	0
57-78		0	0.7	2	5.4	4.7	1.3	2.7	4	0.7	0	0.7
79-101		0	0	1.3	1.3	5.4	1.3	2.7	0.7	0	0	0
102-123		0	0	0.7	1.3	0.7	0	1.3	1.3	0	0	0
124-146		0	0	0	0.7	0.7	0	0	0	0	0	0
147-168		0	0.7	1.3	1.3	0	0	0	0	0	0	0
168-191		0	0	0	0	0	0	0	0	0	0	0
192-213		0	0	0.7	0	0	0	0	0	0	0.7	0
214-236		0	0	0.7	0	0.7	0	0.7	0	0	0	0
237-258		0	0	0	1.3	0	0.7	0.7	1.3	0.7	0	0.7
259-281		0.7	1.3	0	0	0	0.7	0.7	0	0	0	0
282-303	0	0	0	0.7	0	0	0	0	0	0	0	0
304-326	0	0	0	0	0	0.7	0.7	0.7	0	0	0	0
327-348	0	0	3.4	0	0	1.3	0	0	0	0.7	0.7	0

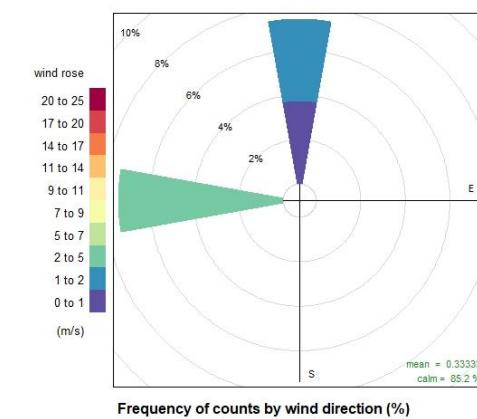


Guwahati

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	85	3.7	3.7	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	0	0	0	0	0	0	0	0
57-78		0	0	0	0	0	0	0	0	0	0	0
79-101		0	0	0	0	0	0	0	0	0	0	0
102-123		0	0	0	0	0	0	0	0	0	0	0
124-146		0	0	0	0	0	0	0	0	0	0	0
147-168		0	0	0	0	0	0	0	0	0	0	0
168-191		0	0	0	0	0	0	0	0	0	0	0
192-213		0	0	0	0	0	0	0	0	0	0	0
214-236		0	0	0	0	0	0	0	0	0	0	0
237-258		0	0	0	0	0	0	0	0	0	0	0
259-281		0	0	7.4	0	0	0	0	0	0	0	0
282-303		0	0	0	0	0	0	0	0	0	0	0
304-326		0	0	0	0	0	0	0	0	0	0	0
327-348		0	0	0	0	0	0	0	0	0	0	0

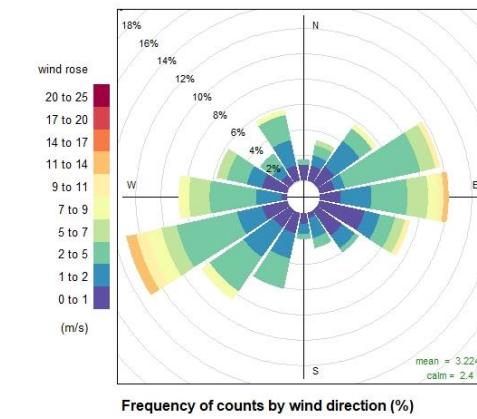


Guwahati

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	2	1.2	0	0.4	0	0	0	0	0	0	0	0
12-33		1.2	0.8	0.8	0.4	0	0	0	0	0	0	0
34-56		1.6	2.4	1.2	0	0.4	0	0	0	0	0	0
57-78		1.2	0.8	6.1	1.2	0	0.4	0	0	0	0	0
79-101		1.6	2.4	2.9	1.6	0.8	0.4	0.4	0	0	0	0
102-123		3.7	1.2	1.2	0.8	0	0.4	0	0	0	0	0
124-146		2.4	1.2	0.4	0	0	0	0	0	0	0	0
147-168		0.4	1.6	0.4	0	0	0	0	0	0	0	0
168-191		0.8	0.8	0.8	0	0	0	0	0	0	0	0
192-213		1.6	2	2.4	0	0	0	0	0	0	0	0
214-236		1.6	2.9	3.3	0	0.8	0	0	0	0	0	0
237-258		2	2	4.9	1.2	1.2	0.8	0.8	0	0	0	0
259-281		0.4	2	3.7	1.6	0.8	0	0	0	0	0	0
282-303		2	1.2	1.6	0.8	0	0	0	0	0	0	0
304-326		0.8	0.8	1.2	0	0	0	0	0	0	0	0
327-348		1.2	2	2	0	0.4	0	0	0	0	0	0

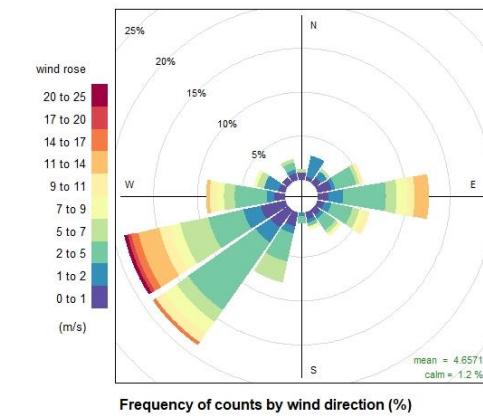


Guwahati

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	0.8	0	0	0.4	0	0	0	0	0	0	0
12-33		0.4	2.4	0	0	0	0	0	0	0	0	0
34-56		0.8	0.8	0	0.4	0	0	0	0	0	0	0
57-78		1.6	0.4	2.4	0.4	0	0.4	0	0	0	0	0
79-101		1.2	1.6	4.9	1.2	1.2	0.8	1.6	0	0	0	0
102-123		0.8	0.8	2.4	0.8	0.4	0.8	0	0	0	0	0
124-146		0.8	0.4	1.6	0.4	0.4	0	0	0	0	0	0
147-168		0.8	0.4	0.4	0	0.4	0	0	0	0	0	0
168-191		0	0.4	0.8	0	0	0	0	0	0	0	0
192-213		1.6	0.8	3.3	2.4	0	0	0	0	0	0	0
214-236		2.4	2	9.4	1.6	1.6	1.2	0	0.4	0	0	0
237-258		2.9	2	4.1	3.3	1.2	1.2	2.4	0.8	0.4	0.4	0
259-281		1.2	0.8	3.7	1.2	0.8	0.8	0.4	0	0	0	0
282-303		0.8	1.6	0	0.8	0.4	0	0	0	0	0	0
304-326		0.8	0	0	0	0	0	0	0	0	0	0
327-348		0.8	0.4	0.8	0.4	0	0	0	0	0	0	0

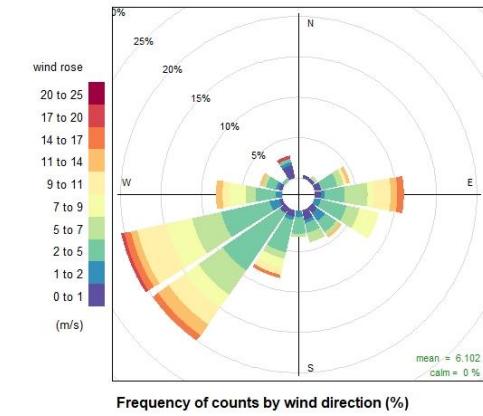


Guwahati

July

700 hPa level

Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	0	0	0	0	0	0	0	0	0	0	0	0
12-33		0.4	0	0	0	0	0	0	0	0	0	0
34-56		0.4	0	0	0.4	0	0	0	0	0	0	0
57-78		0.8	0	2	0.8	0	0.4	0.4	0	0	0	0
79-101		0.8	0.4	2.4	2.9	0.8	2	0.8	0.8	0	0	0
102-123		0	0.8	3.3	1.6	2.4	0	0	0	0	0	0
124-146		0.8	1.2	1.6	0.4	0	0	0.4	0	0	0	0
147-168		1.2	0.4	1.2	0.4	0	0	0	0	0	0	0
168-191		0	0.8	2	1.2	0	0	0	0	0	0	0
192-213		0.8	0.4	4.1	0.8	1.2	0.8	0	0.4	0	0	0
214-236		0.8	0	8.6	3.7	2	2.4	1.6	0.8	0	0	0
237-258		0.4	1.2	6.1	3.7	3.3	3.7	0.8	0.8	0.4	0	0
259-281		0	0.8	2.4	1.2	2	0.8	0.8	0	0	0	0
282-303		0.4	0.4	1.2	0.4	0	0	0.4	0	0	0	0
304-326		0	0	0.4	0	0	0	0	0	0	0	0
327-348		1.6	0.4	0.4	0	0	0	0	0	0.4	0	0

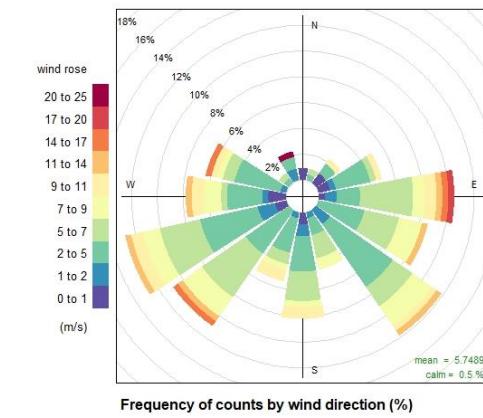


Guwahati

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	0.9	0	0	0	0	0	0	0	0	0	0
12-33		0	0	0.5	0.5	0	0	0	0	0	0	0
34-56		0.9	0	0.9	0	0	0.5	0	0	0	0	0
57-78		0.9	0.5	2.7	0.5	0	0.5	0	0	0	0	0
79-101		0.5	0.9	1.8	4.1	0.9	0.9	0.5	0.5	0.5	0	0
102-123		0	0	3.7	2.7	1.8	0	0.5	0	0	0	0
124-146		0	1.4	5.9	1.8	1.8	0.5	0.5	0	0	0	0
147-168		0	0.5	1.4	1.8	0.9	0	0	0	0	0	0
168-191		0.9	0.9	2.7	2.3	0.5	0.9	0	0	0	0	0
192-213		0	0.5	2.7	0.9	0.5	0.9	0	0	0	0	0
214-236		0	0	4.1	4.1	1.8	0	0.5	0.5	0	0	0
237-258		0.9	1.4	4.6	3.2	1.4	0.9	0.5	0	0	0	0
259-281		1.4	0.5	2.7	0.5	1.4	0.9	0.5	0	0	0	0
282-303		0	0.5	3.7	0.9	0.5	0.5	0	0.5	0	0	0
304-326		0	0	0.5	0.5	0	0	0	0	0	0	0
327-348		0	0.9	0.9	0	0	0	0	0	0	0.5	0

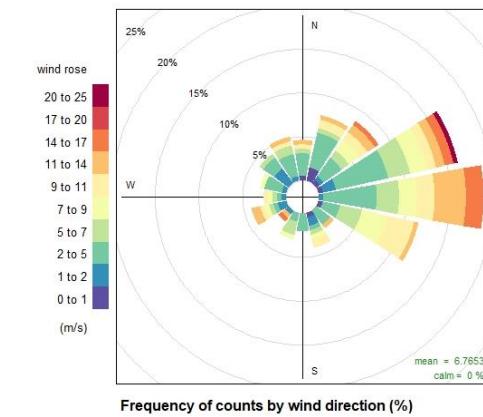


Guwahati

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	0.5	0	2.6	0.5	0	0.5	0.5	0	0	0	0
12-33		1.5	0	4.1	0.5	0	1	0.5	0	0	0	0
34-56		0.5	0.5	2.6	1	1.5	1	1	0.5	0	0	0
57-78		0.5	1.5	6.1	2.6	2	1	1	1	0	0.5	0
79-101		0	0.5	6.1	2.6	2	2	3.6	2	0	0	0
102-123		0.5	0	2	2.6	3.1	3.1	0.5	0	0	0	0
124-146		0	0	2	0	0	0	0.5	0	0	0	0
147-168		0.5	1	0.5	0.5	0.5	1	0	0	0	0	0
168-191		0	0	2	0	0	0	0	0	0	0	0
192-213		0	0	1	1.5	0.5	0	0	0	0	0	0
214-236		0	0.5	0	0	0	0	0.5	0.5	0	0	0
237-258		0	1	0.5	0.5	0.5	0.5	1	0	0	0	0
259-281		0	0.5	0.5	0.5	0.5	0.5	0	0	0	0	0
282-303		0	0.5	2	0	0.5	0	0	0	0	0	0
304-326		0	2	1.5	0.5	0	0	0	0	0	0	0
327-348		0	0.5	2.6	1	0	0.5	0.5	0	0	0	0

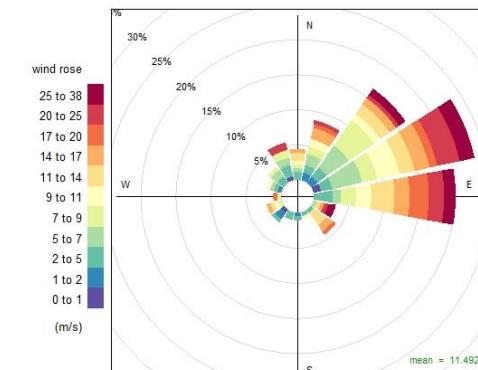


Guwahati

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

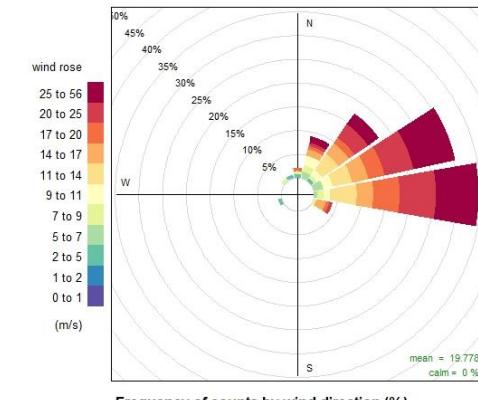


Guwahati

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	0.7	0	0.7	0	0	0	0.7	0	0
12-33		0	0	0	1.4	1.4	2.1	0	1.4	0.7	0.7	1.4
34-56		0	0	0.7	0	0.7	1.4	4.2	2.8	1.4	3.5	2.8
57-78		0	0	0	2.1	0	2.1	4.2	3.5	3.5	6.2	9
79-101		0	0	0	0.7	1.4	1.4	5.6	3.5	5.6	7.6	9
102-123		0	0	0	0	0.7	0	0	2.1	0.7	0.7	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	0.7	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	0.7	0	0	0	0	0	0	0
327-348		0	0	0.7	0	0	0	0	0	0	0	0

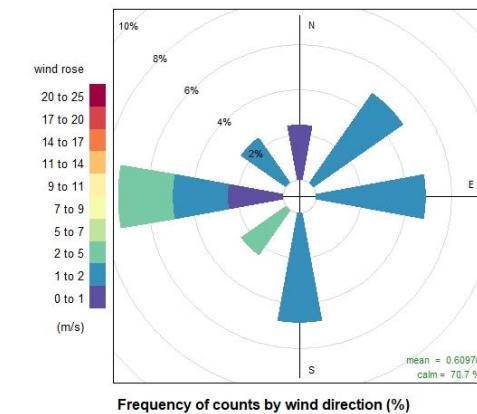


Guwahati

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	71	2.4	0	0	0	0	0	0	0	0	0	0
12-33		0	0	0	0	0	0	0	0	0	0	0
34-56		0	4.9	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	4.9	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	4.9	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	2.4	0	0	0	0	0	0	0	0
237-258		0	0	0	0	0	0	0	0	0	0	0
259-281		2.4	2.4	2.4	0	0	0	0	0	0	0	0
282-303		0	0	0	0	0	0	0	0	0	0	0
304-326		0	2.4	0	0	0	0	0	0	0	0	0
327-348		0	0	0	0	0	0	0	0	0	0	0

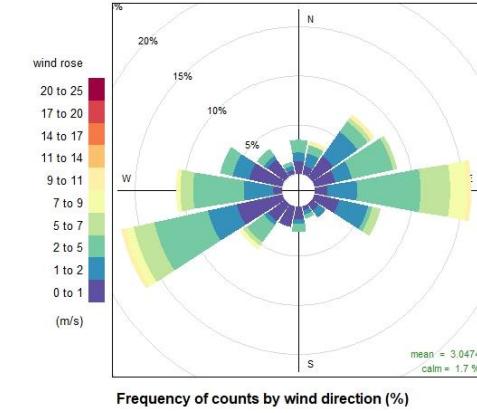


Guwahati

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	2	1.3	0.9	1.3	0	0	0	0	0	0	0	0
12-33		0.9	1.3	0.9	0	0	0.4	0	0	0	0	0
34-56		2.6	3	1.3	0.4	0	0.4	0	0	0	0	0
57-78		2.2	1.7	4.3	0.4	0	0	0	0	0	0	0
79-101		1.3	3	6.5	3	1.7	0.4	0	0	0	0	0
102-123		2.6	3	0.4	0.9	0	0	0	0	0	0	0
124-146		0.9	0.9	0	0	0	0	0	0	0	0	0
147-168		0.4	0.4	0.4	0	0	0	0	0	0	0	0
168-191		1.3	0.4	0.9	0	0	0	0	0	0	0	0
192-213		2.2	0	0	0	0	0	0	0	0	0	0
214-236		2.2	0.4	2.2	0.4	0.4	0	0	0	0	0	0
237-258		4.7	3	5.6	2.2	0.9	0.4	0	0	0	0	0
259-281		0.9	3	5.2	1.3	0.4	0	0	0	0	0	0
282-303		3.4	1.7	1.3	0	0	0	0	0	0	0	0
304-326		2.2	0.4	0.9	0	0	0	0	0	0	0	0
327-348		0.4	0.4	0.4	0	0	0	0	0	0	0	0

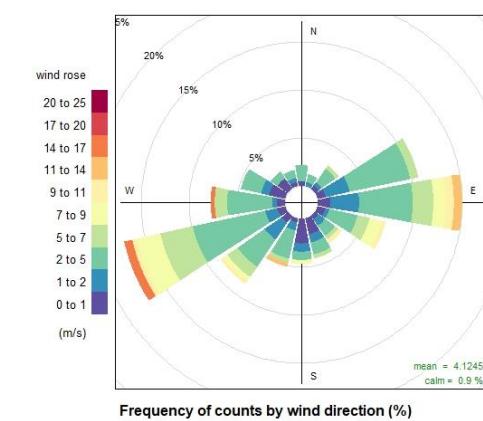


Guwahati

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	1	0.4	0	1.7	0	0	0	0	0	0	0	0
12-33		0	0.4	0.9	0	0	0	0	0	0	0	0
34-56		0.4	0.4	1.7	0.4	0	0	0	0	0	0	0
57-78		0.9	2.6	6.4	0.9	0	0	0	0	0	0	0
79-101		1.3	3	5.6	2.1	1.3	0.9	0.9	0	0	0	0
102-123		0.9	0.4	3	1.3	1.3	0.4	0	0	0	0	0
124-146		0.4	0.9	1.3	0.4	0	0.4	0	0	0	0	0
147-168		1.7	0.9	0.9	0.4	0	0	0	0	0	0	0
168-191		2.6	0.9	1.3	0	0.4	0	0	0	0	0	0
192-213		0.4	0.9	3	0.4	0	0	0.4	0	0	0	0
214-236		0.9	2.1	3.4	1.3	0.4	0.4	0	0	0	0	0
237-258		0.9	1.3	7.7	3.4	2.6	0.4	0	0.9	0	0	0
259-281		0.9	0.4	4.7	1.3	0	0	0	0.4	0	0	0
282-303		1.7	0.9	2.1	0	0	0	0	0	0	0	0
304-326		1.3	0	0.9	0	0	0	0	0	0	0	0
327-348		0.4	0.4	0.9	0	0	0	0	0	0	0	0

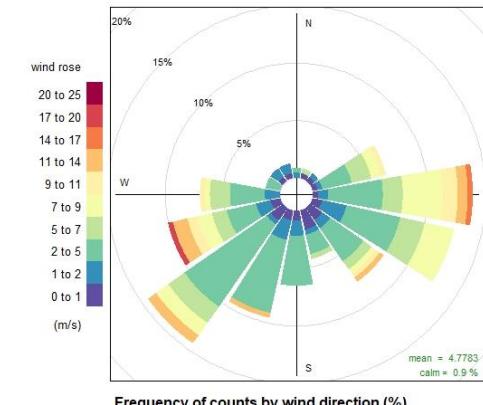


Guwahati

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	1	0	0.4	0.4	0	0	0	0	0	0	0	0
12-33		0.4	0	0	0.4	0	0	0	0	0	0	0
34-56		0.4	0.4	0	0	0	0	0	0	0	0	0
57-78		0.4	0.4	2.6	1.7	0.9	0.4	0	0	0	0	0
79-101		0.4	0.9	4.8	1.7	3.5	1.3	0.9	0.4	0	0	0
102-123		0.9	2.2	4.8	2.2	2.6	0	0	0	0	0	0
124-146		1.3	0.9	3.5	0.9	0.4	0.4	0.4	0	0	0	0
147-168		1.7	0.4	1.7	0.4	0	0	0	0	0	0	0
168-191		0.9	1.3	4.3	0	0	0	0	0	0	0	0
192-213		0.9	1.7	6.5	0	0	0	0.4	0	0	0	0
214-236		1.3	0.4	8.7	1.7	1.3	0	0.9	0	0	0	0
237-258		0.9	1.3	2.6	1.3	1.3	0.9	1.3	0	0.4	0	0
259-281		0	1.3	3	1.7	0.4	0.4	0	0	0	0	0
282-303		0	0	1.3	0	0	0	0	0	0	0	0
304-326		0.4	0.9	0	0	0	0	0	0	0	0	0
327-348		0.4	0.9	0	0	0	0	0	0	0	0	0

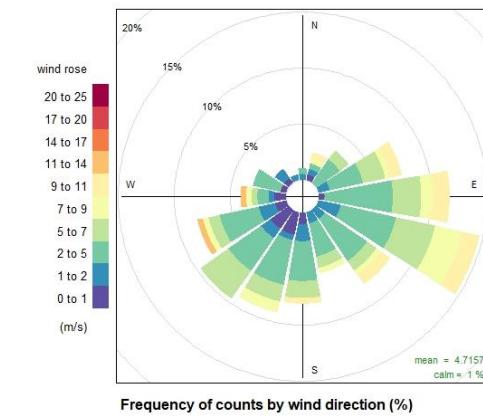


Guwahati

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	0.5	0.5	0	0	0	0	0	0	0	0
12-33		0.5	0.5	0.5	0	0.5	0.5	0	0	0	0	0
34-56		0	0	2.5	1	0	0	0	0	0	0	0
57-78		0	1	3	2	0.5	1	0	0	0	0	0
79-101		0.5	0	6.1	2.5	1	1.5	0	0	0	0	0
102-123		0	2	5.1	3.6	2.5	1.5	0	0	0	0	0
124-146		0	1	4.6	1	0.5	1	0	0	0	0	0
147-168		0	1	3	1	0	0	0	0	0	0	0
168-191		1	1.5	3.6	1.5	0.5	0.5	0	0	0	0	0
192-213		2	0.5	4.1	1.5	1	0	0	0	0	0	0
214-236		2	1	3.6	3	0	0	0	0	0	0	0
237-258		1	1.5	3.6	1	0.5	0	0.5	0	0	0	0
259-281		1	0.5	1	0.5	0.5	0	0.5	0	0	0	0
282-303		0.5	0	2.5	0	0	0	0	0	0	0	0
304-326		0.5	1	0	0	0	0	0	0	0	0	0
327-348		0	0.5	0	0	0	0	0	0	0	0	0

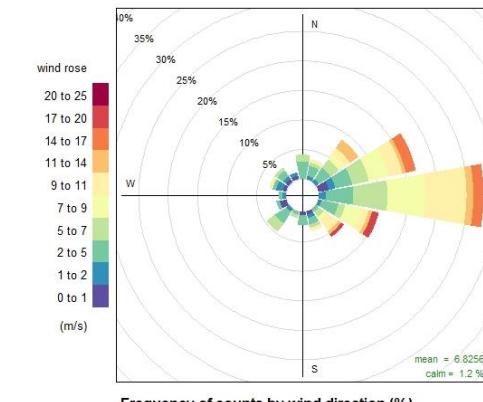


Guwahati

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	1	0	0	2.9	1.2	0	0	0	0	0	0	0
12-33		0	0.6	1.7	0.6	0	0.6	0	0	0	0	0
34-56		0	0.6	2.3	1.7	1.2	1.2	1.7	0	0	0	0
57-78		1.7	1.2	2.9	2.9	3.5	2.3	0.6	1.7	0	0	0
79-101		0	1.2	4.7	5.8	6.4	7	1.2	1.7	0	0	0
102-123		0	0.6	2.9	1.2	2.9	1.2	0.6	0	1.2	0	0
124-146		0	0	0.6	1.2	0.6	2.3	0.6	0	0.6	0	0
147-168		0.6	0.6	1.2	0.6	0	0.6	0	0	0	0	0
168-191		0.6	0	1.7	0	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	0.6	2.3	1.7	0	0	0	0	0	0	0
237-258		1.2	0	0.6	0	0	0	0	0	0	0	0
259-281		0	0.6	0.6	0	0	0	0	0	0	0	0
282-303		0.6	1.2	0.6	0	0	0.6	0	0	0	0	0
304-326		0.6	0.6	1.2	0.6	0	0	0	0	0	0	0
327-348		0.6	0.6	0	0	0	0	0	0	0	0	0

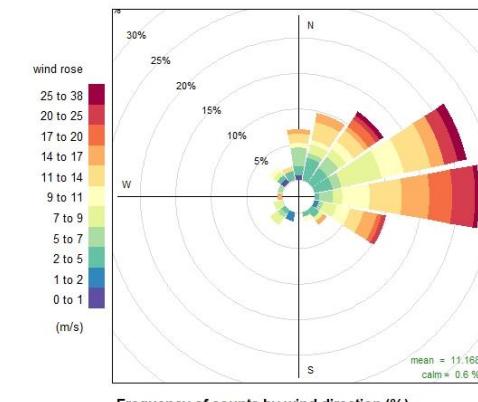


Guwahati

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	1	0.6	0	1.3	2.6	0	0.6	1.3	0.6	0	0	0
12-33		0	0	3.2	0.6	1.3	0.6	2.6	1.3	0	0	0
34-56		0	0	2.6	1.9	1.3	1.3	1.9	0.6	1.3	0.6	0.6
57-78		0	0	2.6	1.3	5.8	3.2	3.9	1.9	0	1.9	1.3
79-101		0	0	0.6	1.9	1.3	3.9	4.5	3.9	3.2	3.2	0.6
102-123		0	0.6	0	0.6	1.9	1.9	1.9	1.9	0.6	0.6	0
124-146		0	0	1.3	0	0.6	0	0	0.6	0	0	0
147-168		0	0	0.6	0	0	0.6	0	0	0	0	0
168-191		0	0	0	0	0	0	0	0	0	0	0
192-213		0	1.3	0	0	0	0	0	0	0	0	0
214-236		0	0	0.6	0.6	1.3	0	0	0	0	0	0
237-258		0	0	0	0	1.3	0	0	0	0	0	0
259-281		0	0	0	0	0	0	0.6	0	0	0	0
282-303		0	0	0	0.6	0	0	0	0	0	0	0
304-326		0.6	0	0.6	0	0.6	0.6	0	0	0	0	0
327-348		0	0	1.3	0	0	0	0.6	0	0	0	0

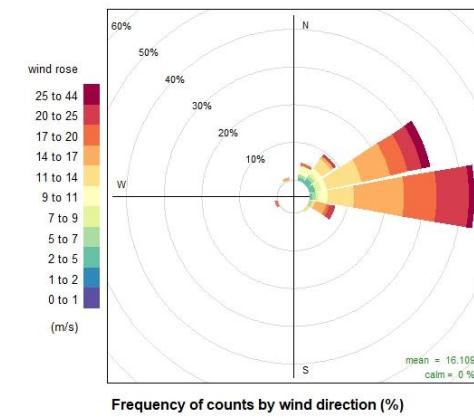


Guwahati

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	0.8	0.8	0	2.3	0	0	0.8	0	0
34-56		0	0	1.6	0.8	0.8	1.6	3.1	0.8	0	0.8	0
57-78		0	0	1.6	0	1.6	1.6	9.4	7.8	4.7	3.9	2.3
79-101		0	0	0.8	0.8	0.8	2.3	7	13.3	8.6	8.6	1.6
102-123		0	0	0	0.8	0	0	0.8	3.1	0.8	1.6	0
124-146		0	0	0	0	0	0	0.8	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	0.8	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	0.8	0	0	0	0

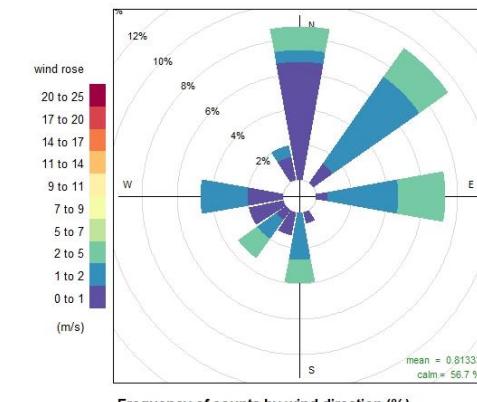


Guwahati

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	57	6.7	0.7	1.3	0	0	0	0	0	0	0	0
12-33		0	0	0	0	0	0	0	0	0	0	0
34-56		1.3	6	2	0	0	0	0	0	0	0	0
57-78		0	0	0	0	0	0	0	0	0	0	0
79-101		0.7	4	2.7	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		0.7	0	0	0	0	0	0	0	0	0	0
168-191		0	2.7	1.3	0	0	0	0	0	0	0	0
192-213		1.3	0	0	0	0	0	0	0	0	0	0
214-236		0.7	1.3	1.3	0	0	0	0	0	0	0	0
237-258		2	0	0	0	0	0	0	0	0	0	0
259-281		2	2.7	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		1.3	0.7	0	0	0	0	0	0	0	0	0

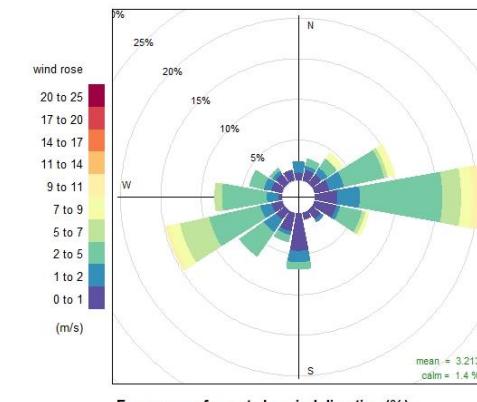


Guwahati

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	1	0.9	1.4	0	0	0	0	0	0	0	0	0
12-33		1.4	0.5	0.9	0	0	0	0	0	0	0	0
34-56		1.4	0.9	1.4	0	0.9	0	0	0	0	0	0
57-78		1.9	1.9	5.1	0.5	0.9	0	0	0	0	0	0
79-101		2.8	2.8	10.2	2.3	1.4	0.9	0	0	0	0	0
102-123		2.8	0.5	2.8	0.5	0.5	0	0	0	0	0	0
124-146		1.4	0.5	0	0	0	0	0	0	0	0	0
147-168		0.9	0	0	0	0	0	0	0	0	0	0
168-191		4.6	1.4	0.9	0	0	0	0	0	0	0	0
192-213		2.3	0.5	0.9	0	0	0	0	0	0	0	0
214-236		1.4	1.9	3.7	0	0	0	0	0	0	0	0
237-258		1.4	1.4	6.5	3.7	1.4	0.5	0	0	0	0	0
259-281		0.5	1.4	5.6	0.9	0	0	0	0	0	0	0
282-303		1.4	0.9	1.9	0	0	0	0	0	0	0	0
304-326		1.4	0.5	0.5	0	0	0	0	0	0	0	0
327-348		1.4	0	0	0	0	0	0	0	0	0	0

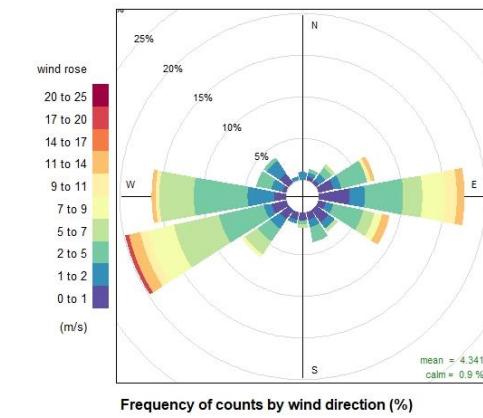


Guwahati

September

850 hPa level

Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11		0	0.9	0	0	0	0	0	0	0	0	0
12-33		0.5	0.5	0.5	0	0	0	0	0	0	0	0
34-56		0.5	0.9	0.9	0.5	0	0	0	0	0	0	0
57-78		1.8	0.9	3.2	0	0	0.5	0.5	0	0	0	0
79-101		3.7	1.8	4.6	2.3	2.8	1.4	0.9	0	0	0	0
102-123		0.9	0.9	3.7	1.4	0.9	0	0.9	0	0	0	0
124-146		1.8	0.9	0	0.5	0	0	0	0	0	0	0
147-168		0.9	0.9	1.8	0	0	0	0	0	0	0	0
168-191		0.9	0	0.5	0.5	0	0	0	0	0	0	0
192-213		0.9	0.5	0	0	0	0	0	0	0	0	0
214-236		1.4	1.4	1.8	1.8	0.5	0	0	0	0	0	0
237-258		1.8	0.9	5.5	5.5	3.2	0.9	1.4	0	0.5	0	0
259-281		1.4	3.2	6.5	4.1	0	0.5	0.5	0	0	0	0
282-303		0.5	1.4	1.8	0	0	0	0	0	0	0	0
304-326	1	1.4	1.8	0.5	0	0	0	0	0	0	0	0
327-348	1	0	0.5	0	0	0	0	0	0	0	0	0

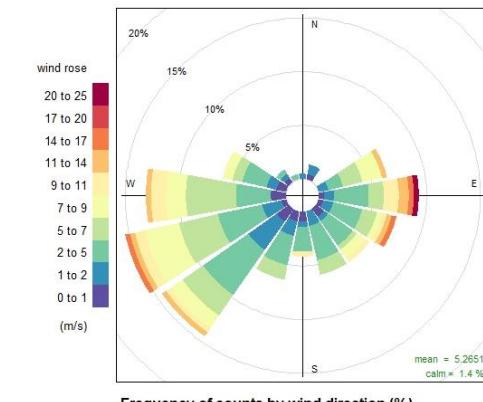


Guwahati

September

700 hPa level

Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11		0	0.5	0	0	0	0	0	0	0	0	0
12-33		0.5	0.9	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	0.9	1.4	1.9	1.9	0	0.5	0	0	0	0
79-101		0.5	0.9	3.3	1.4	0	1.4	0.9	0.5	0	0.5	0
102-123		0.5	0.9	2.8	1.4	0.5	0.5	0.5	0.5	0	0	0
124-146		0.9	0.5	2.8	0.5	0.9	0.5	0	0	0	0	0
147-168		0	1.4	3.3	1.4	0	0	0	0	0	0	0
168-191		0.9	0.5	2.3	0	0	0.5	0	0	0	0	0
192-213		0.9	1.4	2.8	1.4	0	0	0	0	0	0	0
214-236		1.4	3.3	5.1	2.3	1.4	0.5	0.5	0	0	0	0
237-258		0.5	1.9	4.2	3.7	3.3	0.9	0.5	0.5	0	0	0
259-281		1.4	0	3.3	4.7	1.9	1.4	0.5	0	0	0	0
282-303		0.9	0.9	2.3	0.9	0.9	0	0	0	0	0	0
304-326	1	0.5	0.5	0.5	0	0	0	0	0	0	0	0
327-348	1	0	0	0.5	0	0	0	0	0	0	0	0

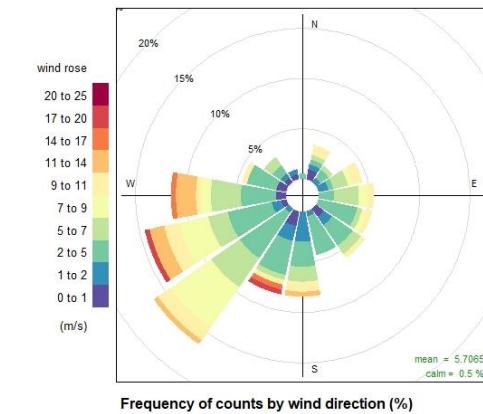


Guwahati

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	0	0.5	0	0	0	0	0	0	0	0
12-33		1	0.5	0.5	0.5	0	1	0	0	0	0	0
34-56		0	0.5	1	0.5	0	0	0	0	0	0	0
57-78		0	1	0.5	1.5	0.5	1	0	0	0	0	0
79-101		0	0	1.5	2.5	1	0.5	0	0	0	0	0
102-123		0	0	4	0.5	0.5	0.5	0	0	0	0	0
124-146		1	1	2.5	1	0	0.5	0	0	0	0	0
147-168		0	0.5	4	0	0	0	0	0	0	0	0
168-191		0	3	2.5	1.5	0	1	0.5	0	0	0	0
192-213		1.5	1.5	3.5	0.5	0	0.5	0	0.5	0.5	0	0
214-236		0	0.5	5.5	3.5	5	1.5	0.5	0	0	0	0
237-258		0.5	1	4.5	2	3	1.5	1.5	0	0.5	0	0
259-281		1	0	3.5	3	1	0.5	2	0.5	0	0	0
282-303		1	0	3	0	0	0.5	0	0	0	0	0
304-326		0.5	0.5	1	1	0	0	0	0	0	0	0
327-348		0.5	0.5	0	0	0	0	0	0	0	0	0

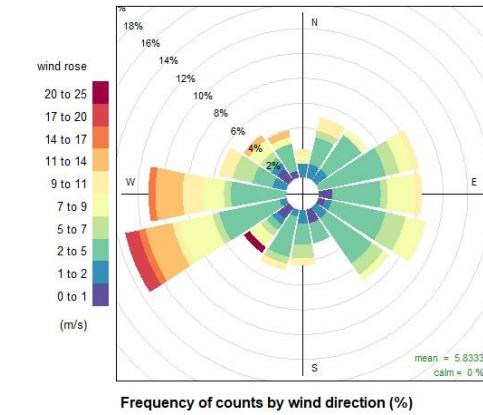


Guwahati

September

300 hPa level

Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	0	0	1.1	0	0	0.6	0.6	0	0	0	0	0
12-33		0	1.1	2.2	0.6	0	1.1	0	0	0	0	0
34-56		0	1.1	3.3	0	0.6	0	0	0	0	0	0
57-78		0	0	5.6	1.1	1.1	0.6	0	0	0	0	0
79-101		1.1	0	3.9	0.6	2.2	0.6	0	0	0	0	0
102-123		0.6	0.6	4.4	1.7	1.7	0	0	0	0	0	0
124-146		0	1.1	4.4	1.1	0.6	0	0	0	0	0	0
147-168		1.1	0	1.7	0	0	0	0	0	0	0	0
168-191		0	1.1	1.7	1.1	0	0.6	0	0	0	0	0
192-213		0	0.6	3.3	0.6	0	0.6	0	0	0	0	0
214-236		1.1	0.6	0.6	0.6	1.1	0	0	0	0	0.6	0
237-258		0	0.6	5	0.6	2.8	0.6	2.2	0.6	1.1	0	0
259-281		0	0	4.4	0.6	1.7	1.7	2.2	0.6	0	0	0
282-303		0	1.1	1.7	1.7	0	1.1	0	0	0	0	0
304-326		1.1	0.6	0.6	0.6	1.1	0	0.6	0	0	0	0
327-348		0.6	0	2.2	0	0.6	0	0.6	0	0	0	0

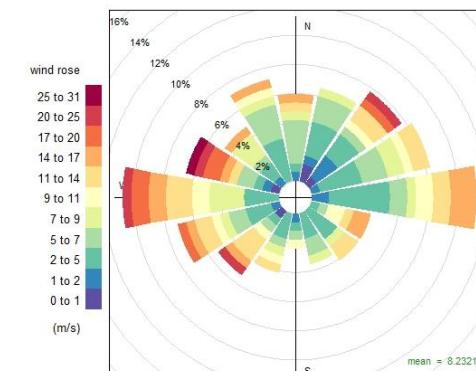


Guwahati

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

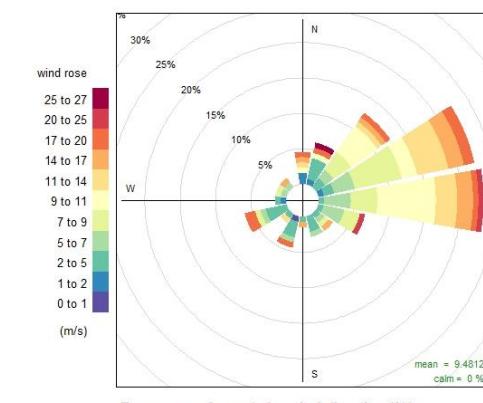


Guwahati

September

100 hPa level

Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	0	0	1.5	0	0	0	0.8	0.8	0.8	0.8	0	0
12-33		0	0.8	3	0	0	0.8	0	0	0.8	0	0.8
34-56		0	0	1.5	1.5	3	4.5	0.8	0.8	0.8	0	0
57-78		0	0.8	1.5	3	6.8	2.3	4.5	2.3	1.5	0	0
79-101		0	0	0.8	3.8	3.8	8.3	3	2.3	0.8	0.8	0
102-123		0	0	0.8	3	2.3	0	0	0	0	0.8	0
124-146		0	0	0.8	0.8	0.8	0	0	0.8	0	0	0
147-168		0	0	2.3	0.8	0	0	0	0	0	0	0
168-191		0	0	0.8	0	0	0	0	0.8	0	0	0
192-213		0.8	0	2.3	0.8	0	0	0	0	0.8	0	0
214-236		0	0	0.8	0	0	0.8	0	0	0	0	0
237-258		0	0	3	0.8	0.8	0	0	0	1.5	0	0
259-281		0	0.8	0.8	0	0	0	0	0	0	0	0
282-303		0	0	0	0.8	0.8	0	0	0	0	0	0
304-326		0	0	0	0.8	0	0	0	0.8	0	0	0
327-348		0	0	0	0	0	0	0	0	0	0	0

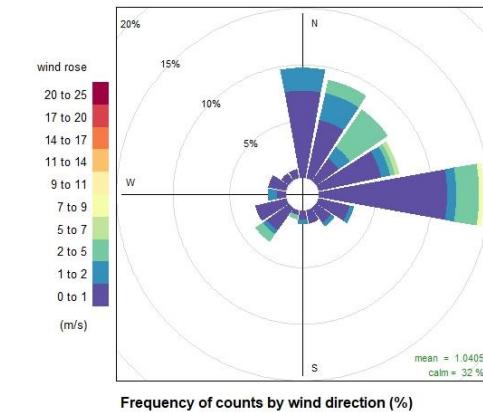


Guwahati

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	32	7.7	2	0	0	0	0	0	0	0	0	0
12-33		5.3	2.4	1.2	0	0	0	0	0	0	0	0
34-56		2.4	1.2	4	0	0	0	0	0	0	0	0
57-78		5.7	0.8	0.4	0.4	0	0	0	0	0	0	0
79-101		11.3	0.8	2	0	0.4	0	0	0	0	0	0
102-123		2.8	0.4	0	0	0	0	0	0	0	0	0
124-146		1.6	0.4	0	0	0	0	0	0	0	0	0
147-168		1.2	0	0	0	0	0	0	0	0	0	0
168-191		0.8	0.4	0	0	0	0	0	0	0	0	0
192-213		0.4	0	0.4	0	0	0	0	0	0	0	0
214-236		2.4	0.4	0.8	0	0	0	0	0	0	0	0
237-258		2.8	0	0	0	0	0	0	0	0	0	0
259-281		0.8	0.8	0	0	0	0	0	0	0	0	0
282-303		1.6	0	0	0	0	0	0	0	0	0	0
304-326		0.8	0	0	0	0	0	0	0	0	0	0
327-348		0.8	0	0	0	0	0	0	0	0	0	0

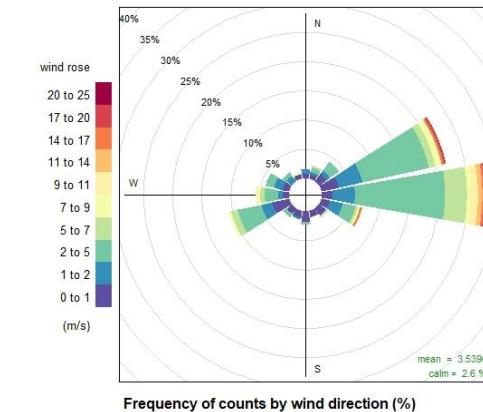


Guwahati

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	3	0.8	0.8	0	0	0	0	0	0	0	0	0
12-33		0.8	0.4	0.8	0.4	0	0	0	0	0	0	0
34-56		1.5	0.8	1.9	0	0	0	0	0	0	0	0
57-78		3	4.2	11.7	1.1	1.1	0	0	0.4	0.4	0	0
79-101		1.9	3.8	15.5	3.8	0.8	1.1	0.8	0.4	0.4	0	0
102-123		1.5	2.3	2.3	0.4	0.4	0	0	0.4	0	0	0
124-146		1.5	0	0	0.4	0	0	0	0	0	0	0
147-168		1.1	0	0	0	0	0	0	0	0	0	0
168-191		1.9	0	0.4	0	0	0	0	0	0	0	0
192-213		1.1	0.4	0	0	0	0	0	0	0	0	0
214-236		1.1	0	0.8	0	0	0	0	0	0	0	0
237-258		3	1.9	4.2	1.1	0.4	0	0	0	0	0	0
259-281		1.1	0.8	2.3	0.8	0.4	0.4	0	0	0	0	0
282-303		1.1	1.5	1.5	0	0	0	0	0	0	0	0
304-326		0	1.1	0.8	0	0	0	0	0	0	0	0
327-348		0.8	0	0	0	0.4	0	0	0	0	0	0

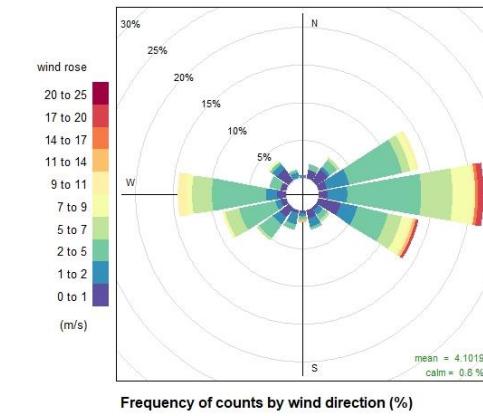


Guwahati

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	1	0	0.4	0	0	0	0	0	0	0	0	0
12-33		1.1	0	0.8	0	0	0	0	0	0	0	0
34-56		1.9	0.4	1.1	0.4	0	0	0	0	0	0	0
57-78		1.1	3	7.2	1.1	0.8	0.4	0	0	0	0	0
79-101		1.1	2.6	9.8	4.2	2.6	0.4	0	0.4	0.8	0	0
102-123		3	2.3	4.2	1.9	1.1	0.4	0.4	0	0.4	0	0
124-146		0.4	0.8	0.8	0.4	0	0	0	0	0	0	0
147-168		1.1	1.1	0.4	0	0	0	0	0	0	0	0
168-191		0.4	0.4	0.4	0	0	0	0.4	0	0	0	0
192-213		0.4	1.5	0.8	0	0	0	0	0	0	0	0
214-236		1.5	1.1	2.3	0.4	0	0	0	0	0	0	0
237-258		0.8	0.8	4.9	1.9	0.4	0	0	0	0	0	0
259-281		1.1	1.5	7.2	2.6	0.8	1.1	0	0	0	0	0
282-303		0.8	0	1.5	0	0	0	0	0	0	0	0
304-326		1.9	0.8	0.4	0	0.4	0	0	0	0	0	0
327-348		0	0.8	0.4	0	0	0	0	0	0	0	0

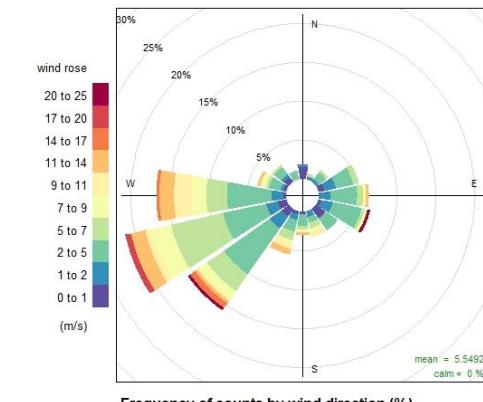


Guwahati

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	1.5	0.4	0	0	0	0	0	0	0	0	0
12-33		0	0.4	0	0.4	0	0	0	0	0	0	0
34-56		0	0.4	1.1	0.4	0	0	0	0	0	0	0
57-78		0.8	1.5	2.3	0.8	0	0	0	0	0	0	0
79-101		0	1.5	3.4	0.8	0.4	0	0.4	0	0	0	0
102-123		0.4	1.5	3.8	0.4	0.4	0	0	0	0	0.4	0
124-146		1.5	0	1.9	0	0	0	0	0	0	0	0
147-168		0	0.8	0.8	0.8	0.4	0.8	0	0	0	0	0
168-191		0.4	0	1.5	0.4	0.4	0	0.4	0	0	0	0
192-213		0.4	0.8	1.5	1.1	0.4	0.8	0.8	0	0	0	0
214-236		1.1	1.9	7.2	2.7	1.1	0.4	0.4	0.8	0	0.4	0
237-258		1.1	1.5	5.7	6.8	2.7	0.8	1.9	0	0.8	0	0
259-281		0.4	1.5	5.7	2.7	1.9	2.3	1.9	0.4	0	0	0
282-303		0.4	0.4	1.5	0.4	0.8	0	0.4	0	0	0	0
304-326		0.8	0.4	1.1	0.4	0	0	0	0	0	0	0
327-348		0	0	1.1	0	0	0	0	0	0	0	0

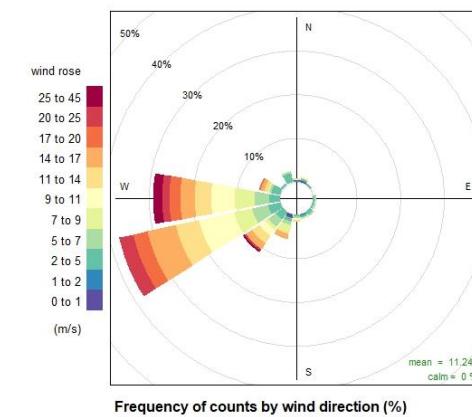


Guwahati

October

500 hPa level

Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11		0	0.4	0	0	0	0	0.4	0	0	0	0
12-33		0.4	0	0.4	0	0.4	0	0	0	0	0	0
34-56		0	0	0.4	0	0	0	0	0	0	0	0
57-78		0	0	0	0	0	0	0	0	0	0	0
79-101		0	0	0.4	0.4	0	0	0	0	0	0	0
102-123		0	0	0.4	0.4	0	0	0	0	0	0	0
124-146		0	0	0.8	0.4	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	0.4	0.4	0	0.4	0.4	0	0	0	0
192-213		0.8	0	0.8	0.8	1.7	0	0.4	1.2	0	0	0
214-236		0	0	2.1	2.1	0.8	1.7	2.1	1.7	0	0.4	0.4
237-258		0	0	2.9	3.7	4.1	8.3	5.4	6.6	3.3	3.3	0
259-281		0	0	2.5	3.3	4.6	5.4	3.7	3.3	2.5	1.7	2.1
282-303		0	0	2.1	0.4	0.4	0	0.8	0.8	0.4	0	0
304-326	0	0	0	0.4	0	0	0	0	0	0	0	0
327-348	0	0	0	2.1	0.4	0	0	0	0	0	0	0

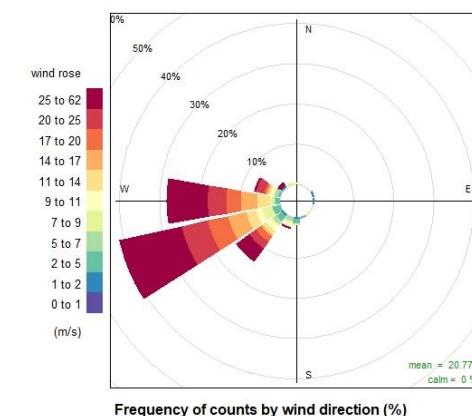


Guwahati

October

300 hPa level

Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11		0	0	0	0	0	0.5	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	0.5	0	0	0	0	0	0	0	0	0
79-101		0	0.5	0	0	0	0	0	0	0	0	0
102-123		0	0	0	0	0	0	0	0	0	0	0
124-146		0	0	0	0.5	0	0	0	0	0	0	0
147-168		0	0	0.5	0	0	0	0	0	0	0	0
168-191		0	0.5	1	0	0.5	0	0	0	0	0	0
192-213		0	0	0	1	0.5	1	0	0	0	0	0.5
214-236	0	0	0.5	1.5	1	0.5	1.5	1	0.5	1.5	2.1	4.1
237-258	0	0	2.1	0	2.6	1.5	2.6	4.6	5.1	6.7	15.9	
259-281	0	0	1	0.5	1	0	3.1	4.1	3.6	4.6	10.3	
282-303	0	0	0.5	1	0	1	0.5	0.5	0.5	2.1	0.5	
304-326	0	0.5	0	0	0	0	0	0	0	0	1	
327-348	0	0	0	0	0.5	0	0	0	0	0	0	

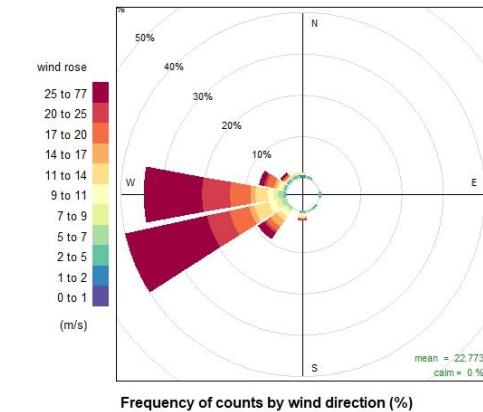


Guwahati

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	0.6	0	0	0.6	0	0	0	0	0	0
12-33		0	0	0.6	0	0	0	0	0	0	0	0
34-56		0	0	0	0	0	0	0	0	0	0	0
57-78		0	0	0	0	0	0	0	0	0	0	0
79-101		0	0	0.6	0	0	0	0	0	0	0	0
102-123		0	0	0	0	0	0	0	0	0	0	0
124-146		0	0	0.6	0	0	0	0	0	0	0	0
147-168		0	0	0	0.6	0	0	0	0	0	0	0
168-191		0	0	0.6	0	0	0.6	0.6	0	0	0.6	0
192-213		0	0	0	0	0	0	0	0	0	0	0
214-236		0	0	0	0.6	0.6	1.2	1.2	1.8	1.2	0.6	1.8
237-258		0	0	0	1.2	1.2	1.8	3.7	1.2	4.9	5.5	20.2
259-281		0	0	0.6	1.2	1.2	1.2	3.1	1.2	4.9	6.7	14.1
282-303		0	0	0.6	0	0.6	0.6	0.6	0.6	1.8	0.6	1.2
304-326	0	0	0.6	0	0.6	0	0	0	0.6	0	0	0.6
327-348	0	0	0.6	0	0	0	0.6	0	0	0	0	0

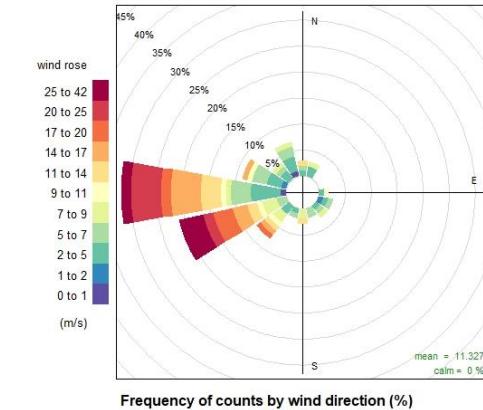


Guwahati

October

100 hPa level

Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11		0	0	1	1	0	0	1	0	0	0	0
12-33		0	0	1.9	0	1	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	1	0	0	1	0	0	0	0	0
102-123		0	1	1	1	0	0	0	0	0	0	0
124-146		0	0	1	1	1	0	0	0	0	0	0
147-168		0	0	0	1.9	0	0	0	0	0	0	0
168-191		0	0	0	0	1.9	0	1	0	0	0	0
192-213		0	0	1	1	0	0	0	0	0	0	0
214-236		0	0	1.9	0	1.9	1	1	1	1	0	0
237-258		0	0	0	1.9	2.9	1	1.9	2.9	3.8	1.9	4.8
259-281	0	1	0	5.8	3.8	1	1	3.8	5.8	1.9	5.8	1.9
282-303	0	1	2.9	2.9	0	1	0	1	0	0	0	0
304-326	0	0	1.9	1	1	0	0	0	0	0	0	0
327-348	1	0	2.9	1.9	1	0	0	0	0	0	0	0

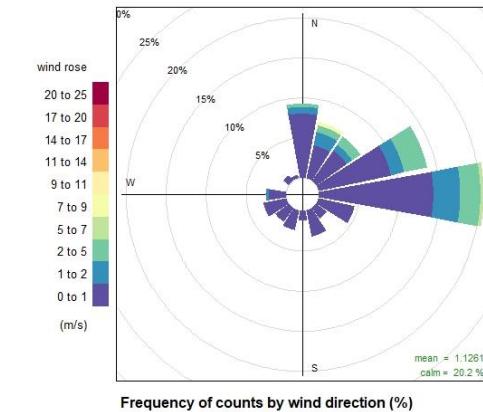


Guwahati

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	20	8	0.8	0.4	0	0	0	0	0	0	0	0
12-33		4.2	1.7	0.8	0	0.4	0	0	0	0	0	0
34-56		4.6	0.8	1.3	0	0	0	0	0	0	0	0
57-78		9.2	1.7	2.9	0	0	0	0	0	0	0	0
79-101		14.3	3.4	2.5	0.4	0	0	0	0	0	0	0
102-123		4.6	0	0	0	0	0	0	0	0	0	0
124-146		1.7	0	0	0	0	0	0	0	0	0	0
147-168		3.4	0	0	0	0	0	0	0	0	0	0
168-191		1.3	0	0	0	0	0	0	0	0	0	0
192-213		2.5	0	0	0	0	0	0	0	0	0	0
214-236		2.1	0	0	0	0	0	0	0	0	0	0
237-258		2.9	0	0	0	0	0	0	0	0	0	0
259-281		2.1	0.4	0	0	0	0	0	0	0	0	0
282-303		0	0	0	0	0	0	0	0	0	0	0
304-326		0.8	0	0	0	0	0	0	0	0	0	0
327-348		0.4	0	0	0	0	0	0	0	0	0	0

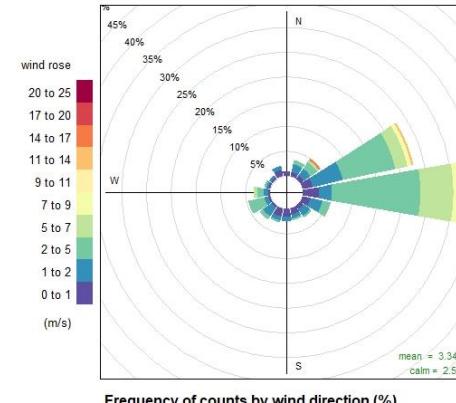


Guwahati

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	2	0.8	0	0	0	0	0	0	0	0	0	0
12-33		0.8	1.7	0.8	0	0	0	0	0	0	0	0
34-56		0.8	1.7	1.7	0.4	0	0	0	0.4	0	0	0
57-78		2.1	6.2	10.8	2.5	0.8	0	0.4	0	0	0	0
79-101		3.3	2.5	17.9	6.7	1.7	1.2	0	0	0	0	0
102-123		1.7	2.5	1.7	0	0	0	0	0	0	0	0
124-146		0.8	1.7	0.4	0	0	0	0	0	0	0	0
147-168		1.2	0.8	0.4	0	0	0	0	0	0	0	0
168-191		1.7	0.8	0	0	0	0	0	0	0	0	0
192-213		1.7	0.8	0.4	0	0	0	0	0	0	0	0
214-236		0.4	2.1	0.8	0	0	0	0	0	0	0	0
237-258		0.4	0.8	3.3	0	0	0	0	0	0	0	0
259-281		0.4	0.8	1.2	0.8	0	0	0	0	0	0	0
282-303		0.4	0.4	0.4	0	0	0	0	0	0	0	0
304-326		0.4	0.4	0	0	0	0	0	0	0	0	0
327-348		1.2	0.8	0	0	0	0	0	0	0	0	0

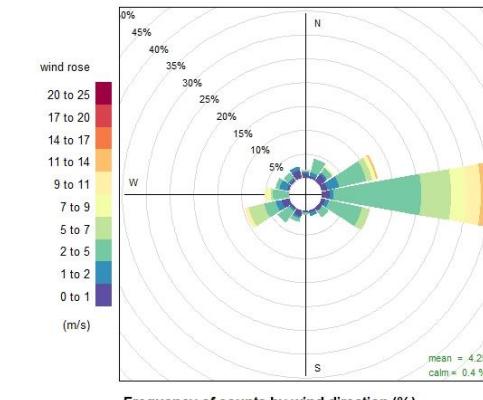


Guwahati

November

850 hPa level

Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	0	0.8	0.4	0	0.4	0	0	0	0	0	0	0
12-33		0.4	0.8	2.9	0	0	0	0	0	0	0	0
34-56		1.7	0.4	1.2	0	0.4	0	0	0	0	0	0
57-78		1.2	2.5	5.8	1.2	0.8	0	0.4	0	0	0	0
79-101		1.7	0.8	18.3	6.2	3.3	2.9	1.2	0	0	0	0
102-123		0.8	0.8	7.1	1.7	0	0	0	0	0	0	0
124-146		0.8	0	1.7	0	0	0	0	0	0	0	0
147-168		0.4	0.8	0	0	0	0	0	0	0	0	0
168-191		0.4	0	0.4	0	0	0	0	0	0	0	0
192-213		1.2	0.4	0.8	0	0	0	0	0	0	0	0
214-236		0.4	0.4	2.9	0	0	0	0	0	0	0	0
237-258		1.7	1.2	2.5	3.3	0	0.8	0	0	0	0	0
259-281		0	0	3.3	0.4	0.8	0.4	0	0	0	0	0
282-303		0.4	1.7	0.8	0	0	0	0	0	0	0	0
304-326		0.4	0.4	1.2	0	0	0	0	0	0	0	0
327-348		1.7	0.8	0	0	0	0	0	0	0	0	0

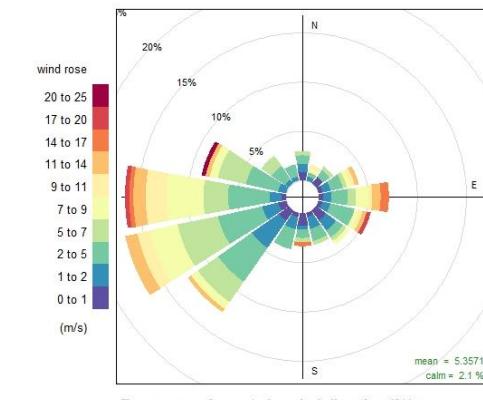


Guwahati

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	2	0.8	0.8	0.8	0.4	0	0	0	0	0	0	0
12-33		0	0.4	0.4	0	0.4	0.4	0	0	0	0	0
34-56		0.8	0	0.8	0.4	0	0	0	0	0	0	0
57-78		0.4	0.8	1.3	0.4	0.4	0.4	0.4	0	0	0	0
79-101		0.4	0.8	1.7	0.8	1.3	0.4	0.8	0.8	0	0	0
102-123		0.4	0.8	2.5	0	0.4	0.4	0.4	0	0.4	0	0
124-146		1.3	1.3	0.8	0.4	0.4	0	0	0	0	0	0
147-168		0.4	1.3	1.3	0.4	0	0	0	0	0	0	0
168-191		1.3	0.4	0.8	0.4	0	0	0	0.4	0	0	0
192-213		0.4	1.3	2.1	0	0	0	0	0	0	0	0
214-236		1.3	3.4	4.2	2.5	0.8	0	0.4	0	0	0	0
237-258		0.8	1.7	4.6	4.2	2.9	1.3	1.3	0	0	0	0
259-281		0.4	1.3	4.2	2.5	3.8	2.1	1.3	0.4	0.4	0	0
282-303		0	0.8	3.4	2.9	0.8	0	0.4	0	0	0.4	0
304-326		0	0.4	1.7	1.3	0	0	0	0	0	0	0
327-348		0	0.4	1.3	0	0	0	0	0	0	0	0

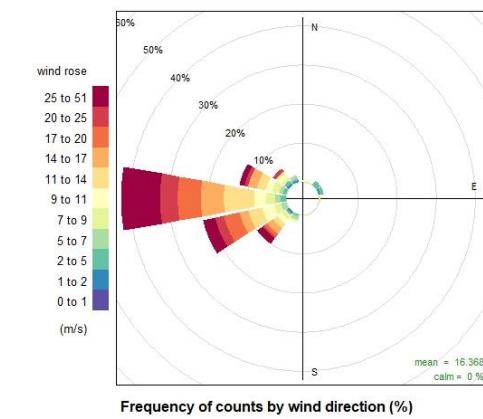


Guwahati

November

500 hPa level

Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	0	0	0	0	0	0	0.5	0	0	0	0	0
12-33		0	0	0	0	0	0.5	0	0	0	0	0
34-56		0	0	1.4	0	0	0	0	0	0	0	0
57-78		0	0.5	0.9	0	0	0	0	0	0	0	0
79-101		0	0	0	0	0	0	0.5	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	0.5	0	0	0	0	0	0	0
168-191		0	0	0	0	0	0	0	0	0	0	0
192-213		0	0	0.5	0.9	0.5	0.5	0	0	0	0	0
214-236		0	0.5	0.5	0	1.4	1.4	1.4	1.8	0.9	0.5	1.8
237-258		0	0	0	1.4	1.8	3.2	3.6	2.3	4.1	2.3	3.2
259-281		0	0	1.4	1.4	2.3	3.2	7.7	5.9	5.9	4.5	10
282-303		0	0	0.9	0.9	1.8	1.8	2.3	2.3	0	0.9	1.4
304-326		0	0.5	0.9	0	0.9	1.4	0.5	0	0	0.9	0
327-348		0	0.5	0.5	0.9	0	0	0	0	0	0	0

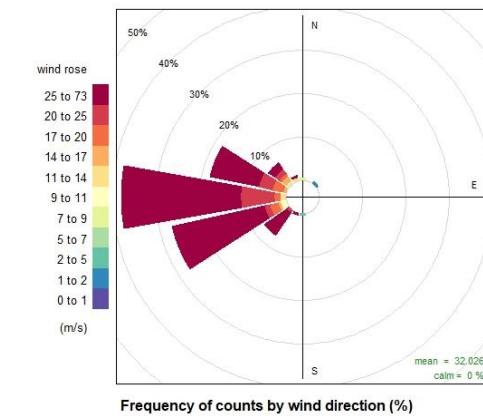


Guwahati

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	0.6	0	0	0	0	0	0
12-33		0	0	0	0	0	0	0	0	0	0	0
34-56		0	0.6	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	0.6	0	0	0	0	0	0	0	0
192-213		0	0	0	0	0	0	0	0	0	0.6	
214-236		0	0	0	0	0	0	0	0	0	0.6	6.5
237-258		0	0	0	0	0	1.3	0	0.6	1.9	1.3	21.9
259-281		0	0	0	0	0	0	1.3	0	1.3	7.7	27.7
282-303		0	0	0	0	0	0	0	0.6	2.6	3.2	11.6
304-326		0	0	0	0.6	0	0	1.3	0.6	1.3	1.3	1.9
327-348		0	0	0	0	0	0.6	0.6	0	0	0	0.6

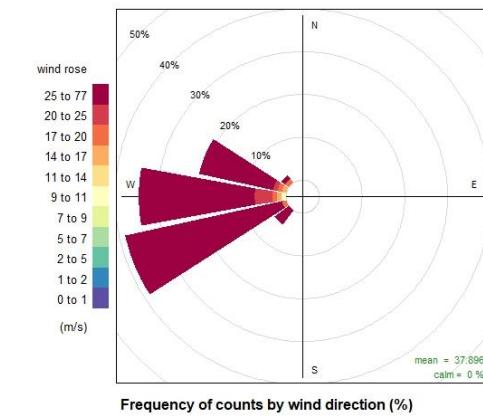


Guwahati

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
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	4.2
237-258		0	0	0	0	0	0	0	1	0	0	37.5
259-281		0	0	0	0	0	1	0	1	1	4.2	27.1
282-303		0	0	0	0	0	0	1	1	1	1	17.7
304-326		0	0	0	0	0	0	0	0	1	0	1
327-348		0	0	0	0	0	0	0	0	0	0	0

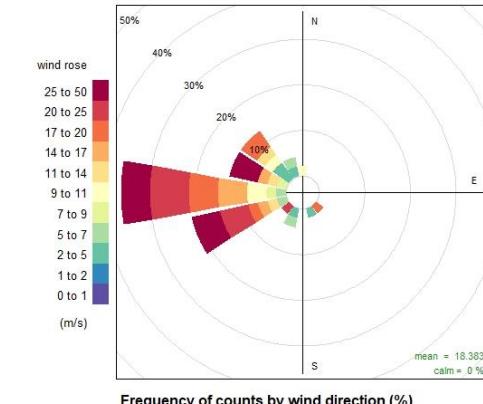


Guwahati

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	2.1	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	2.1	0	0	0
147-168		0	0	2.1	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	2.1	2.1	0	0	0	0	0	0	0
214-236		0	0	0	0	0	0	0	0	2.1	0	0
237-258		0	0	0	2.1	0	0	2.1	2.1	2.1	6.4	6.4
259-281		0	0	0	2.1	2.1	4.3	0	6.4	6.4	8.5	6.4
282-303		0	0	0	2.1	0	2.1	2.1	2.1	0	0	6.4
304-326		0	0	4.3	0	0	2.1	2.1	0	4.3	0	0
327-348		0	0	2.1	2.1	0	0	0	0	0	0	0

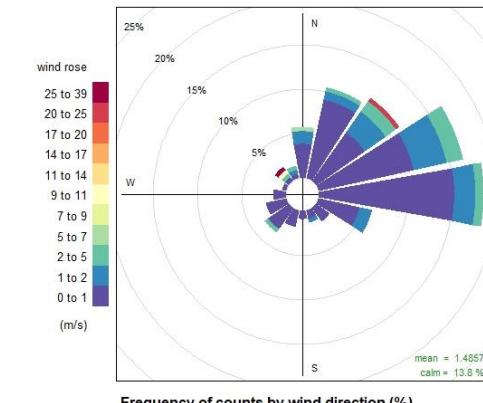


Guwahati

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	14	3.8	1.4	0	0.5	0	0	0	0	0	0	0
12-33		9	1	0.5	0	0	0	0	0	0	0	0
34-56		6.7	2.9	1.4	0	0	0	0	0	0.5	0	0
57-78		11	3.8	1.9	0	0	0	0	0	0	0	0
79-101		15.2	2.4	1	0	0	0	0	0	0	0	0
102-123		4.8	1.4	0	0	0	0	0	0	0	0	0
124-146		1.9	0	0	0	0	0	0	0	0	0	0
147-168		1	0.5	0	0	0	0	0	0	0	0	0
168-191		1	0	0	0	0	0	0	0	0	0	0
192-213		1.9	0	0	0	0	0	0	0	0	0	0
214-236		2.9	0	0.5	0	0	0	0	0	0	0	0
237-258		2.4	0	0	0	0	0	0	0	0	0	0
259-281		1.4	0	0	0	0	0	0	0	0	0	0
282-303		0.5	0	0	0	0	0	0	0	0	0	0
304-326		0.5	0	0.5	0	0	0.5	0	0	0	0	0.5
327-348		0.5	0.5	0.5	0	0	0	0	0	0	0	0

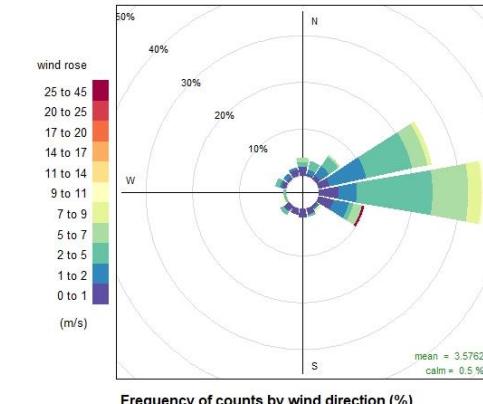


Guwahati

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	1.9	0	1	1	0	0	0	0	0	0	0
12-33		0.5	1	1.9	0	0	0	0	0	0	0	0
34-56		1	2.4	2.4	0.5	0	0	0	0	0	0	0
57-78		2.4	8.1	10	3.3	1	0	0	0	0	0	0
79-101		4.3	3.8	16.2	7.6	2.9	0.5	0	0	0	0	0
102-123		3.3	3.3	1	1.9	0	0	0	0	0	0	0.5
124-146		0.5	0.5	0	0	0.5	0	0	0	0	0	0
147-168		1.4	0	0.5	0	0	0	0	0	0	0	0
168-191		1.9	0	0	0	0	0	0	0	0	0	0
192-213		1.4	0	0	0	0	0	0	0	0	0	0
214-236		1.4	0	1	0	0	0	0	0	0	0	0
237-258		0	0	0.5	0	0	0.5	0	0	0	0	0
259-281		0	0	0.5	0	0	0	0	0	0	0	0
282-303		1	0.5	1	0	0	0	0	0	0	0	0
304-326		0.5	1	0	0	0	0	0	0	0	0	0
327-348		1.4	0.5	0	0	0	0	0	0	0	0	0

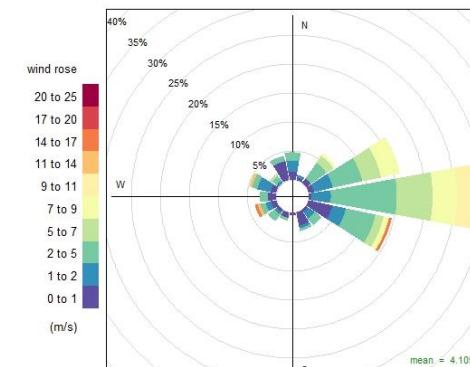


Guwahati

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 +
0	349-11	1.4	1.9	1.4	0	0	0	0	0	0	0	0
	12-33	0.5	0.5	0	0	0	0	0	0	0	0	0
	34-56	0.9	0	3.3	1.4	0.5	0	0	0	0	0	0
	57-78	0.9	3.3	5.2	3.3	3.3	0	0	0	0	0	0
	79-101	0.5	3.3	11.4	6.2	4.3	2.8	0	0	0	0	0
	102-123	4.3	2.4	5.2	1.4	0.9	0	0	0.5	0	0	0
	124-146	0.5	1.4	1.4	0	0	0	0	0	0	0	0
	147-168	2.4	0.5	0.5	0	0	0	0	0	0	0	0
	168-191	0.5	0	0	0	0	0	0	0	0	0	0
	192-213	0.9	0	0.5	0	0	0	0	0	0	0	0
	214-236	0.5	0.5	1.4	0	0	0	0	0	0	0	0
	237-258	0.9	0.9	0.9	0	0	0	0.5	0.5	0	0	0
	259-281	1.4	0	1.4	0	0	0	0	0	0	0	0
	282-303	0.9	2.4	0.9	0	0	0	0.5	0	0	0	0
	304-326	0	0.5	0.9	0.5	0	0	0	0	0	0	0
	327-348	3.3	0	0.9	0	0	0	0	0	0	0	0

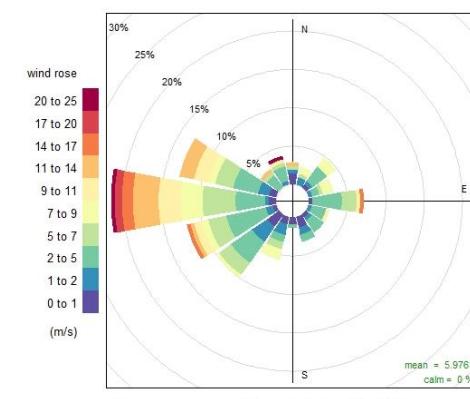


Guwahati

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 +
0	349-11	1.4	0.5	0	0.5	0	0	0.5	0	0	0	0
	12-33	0	1	0	0.5	1	0	0	0	0	0	0
	34-56	0.5	0.5	2.4	0	1.4	0	0	0	0	0	0
	57-78	0	0.5	1	0.5	1.4	0	0	0	0	0	0
	79-101	0.5	0	3.8	1.9	0	0.5	0	0.5	0	0	0
	102-123	0	0.5	1.9	0	0	0.5	0	0	0	0	0
	124-146	0.5	0.5	1.9	0	0	0	0	0	0	0	0
	147-168	1.4	1	1	0	0	0	0	0	0	0	0
	168-191	1	0	0.5	0	0	0	0	0	0	0	0
	192-213	1	1.4	1	1	1.4	0	0	0	0	0	0
	214-236	1.9	2.4	3.3	1.9	0.5	0	0	0	0	0	0
	237-258	0.5	1	5.3	2.4	1	1	0.5	0.5	0	0	0
	259-281	1	0.5	3.8	4.3	2.9	2.9	3.3	1.4	1	0.5	0
	282-303	1	1.4	3.3	2.4	1	1.9	1.9	0	0	0	0
	304-326	0	0	1.9	0.5	0	0	0.5	0	0	0	0
	327-348	0	0.5	1.9	0.5	0	0.5	0	0	0	0.5	0

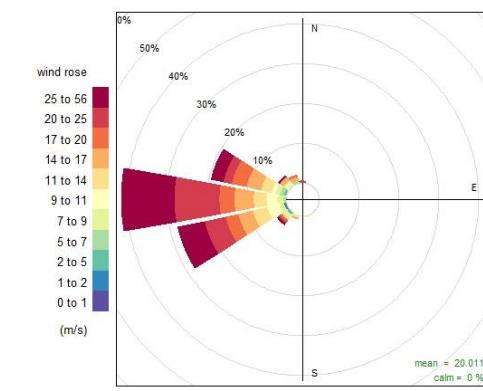


Guwahati

December

500 hPa level

Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	0	0	0	0	0	0	0	0	0	0	0.5	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	0.5	0	0	0	0	0	0
168-191		0	0	0	0	0	0	0	0	0	0	0
192-213		0	0	0	0	0.5	0	0	0.5	0	0	0
214-236		0	0	0.5	0	1.1	0	0.5	0	0.5	0.5	0.5
237-258		0	0.5	0	0	1.1	3.2	3.8	3.8	3.2	5.4	7
259-281		0	0	0	0.5	1.6	2.7	3.2	4.8	3.8	11.3	13.4
282-303		0	0	0.5	1.1	1.1	1.1	2.7	3.8	3.8	2.2	3.2
304-326		0	0	0	0	0.5	0.5	0.5	1.1	0	0	0.5
327-348		0	0	0	0.5	0	0	0	1.1	0.5	0	0

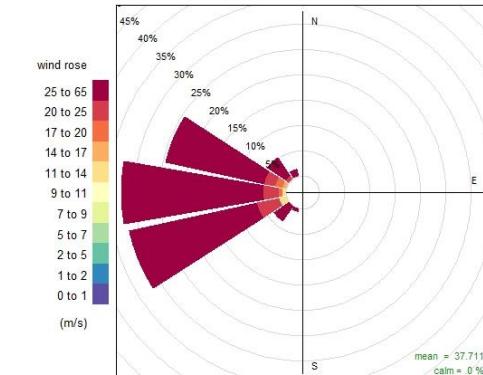


Frequency of counts by wind direction (%)

Guwahati

December

300 hPa level



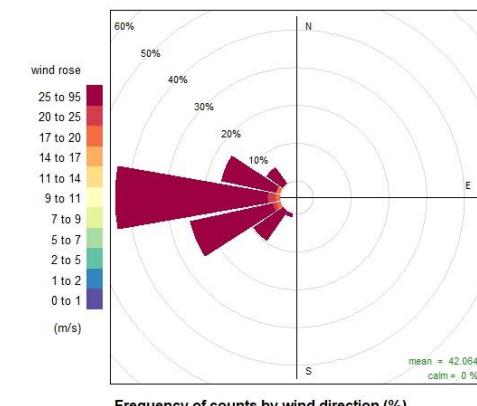
Frequency of counts by wind direction (%)

Guwahati

December

200 hPa level

Speed Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11		0	0	0	0	0	0	0	0	0	0	0
12-33		0	0	0	0	0	0	0	0	0	0	0
34-56		0	0	0	0	0	0	0	0	0	0	0
57-78		0	0	0	0	0	0	0	0	0	0	0
79-101		0	0	0	0	0	0	0	0	0	0	0
102-123		0	0	0	0	0	0	0	0	0	0	0
124-146		0	0	0	0	0	0	0	0	0	0	0
147-168		0	0	0	0	0	0	0	0	0	0	0
168-191		0	0	0	0	0	0	0	0	0	0	0
192-213		0	0	0	0	0	0	0	0	0	0	1.1
214-236		0	0	0	0	0	0	0	0	0	0	9.6
237-258		0	0	0	0	0	0	0	1.1	1.1	0	22.3
259-281		0	0	0	0	0	0	0	1.1	1.1	0	40.4
282-303		0	0	0	0	0	0	0	1.1	0	0	14.9
304-326	0	0	0	0	0	0	0	0	0	0	0	5.3
327-348	0	0	0	0	0	0	0	0	0	0	0	0



Guwahati

42410

Station height

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January

PRESSURE	HEIGHT	Hmax	Hmin	TEMP	TMAX	TMIN	DEWPT	DIR	VELO	U	V	VM
SURFACE	1010	1016	1002	12.2	20.8	6.4	11.2	90	0.1	-0.1	0	0.2
1000	133	197	69	13	18.8	6.6	11.1	76	0.4	-0.4	-0.1	1.2
950	564	626	465	14.3	22.4	7.2	9.6	85	1.2	-1.2	-0.1	2.9
925	790	855	725	13.2	19	6.2	8.2	80	1.1	-1.1	-0.2	3.1
900	1022	1089	954	12	20.2	5.2	6.3	77	1.3	-1.3	-0.3	3.6
850	1498	1597	1429	8.9	16.2	2.2	2.4	83	0.8	-0.8	-0.1	4
800	1998	2093	1925	5.8	13.8	-0.5	-2.3	252	0.3	0.3	0.1	4.4
750	2523	2626	2402	2.8	11.2	-4.1	-7.1	268	2.5	2.5	0.1	5.4
700	3079	3180	2995	0.3	12.8	-6.7	-11.5	271	6.3	6.3	-0.1	8.2
650	3669	3787	3551	-2.1	12.6	-11.1	-15.2	271	10.9	10.9	-0.2	12.7
600	4304	4412	4190	-4.6	10.4	-13.7	-19.1	269	15.4	15.4	0.3	17.4
550	4985	5110	4852	-8.2	6.4	-19.9	-22.5	269	19.2	19.2	0.4	21
500	5719	5854	5569	-12.7	0.8	-24.3	-27.4	269	21.7	21.7	0.4	23.7
450	6515	6690	6350	-18.1	-3.7	-31.1	-31.4	268	25.2	25.2	0.7	27.2
400	7385	7592	7193	-24.1	-8.7	-39.5	-36.9	268	28.3	28.3	1.2	30.8
350	8346	8593	8110	-30.4	-16.3	-45.5	-42.6	267	32.3	32.3	1.5	35.1
300	9428	9718	9147	-37.4	-22.5	-51.1	-50.1	266	35.6	35.5	2.5	38.9
250	10665	10995	10352	-44.8	-31.7	-57.1	-58	263	38.3	38	4.7	41.6
200	12131	12480	11807	-53.3	-41.9	-68.1	-65.2	261	38	37.5	6.1	41
175	12980	13349	12667	-58	-44.3	-69.5	-59.7	262	37.5	37.1	5.3	40.1
150	13940	14331	13575	-62.9	-52.1	-74.9		262	34.3	33.9	5	36.6
125	15053	15455	14684	-67.7	-57.1	-80.9		263	29.9	29.7	3.8	31.8
100	16385	16825	16010	-71.7	-59.9	-83.1		266	23.6	23.5	1.8	24.9
80	17695	18165	17353	-72.2	-60.1	-83.5		268	17.2	17.2	0.6	18.1
70	18489	18960	18111	-70.3	-56.1	-87.1		268	13.7	13.7	0.5	14.7
60	19413	19888	19014	-66.5	-49.7	-77.9		271	10.4	10.4	-0.2	12
50	20535	21048	20081	-61.7	-46.9	-73.5		274	7.4	7.4	-0.5	9.6
40	21929	22503	21427	-57.7	-45.1	-71.3		275	6.1	6.1	-0.5	8.3
30	23765	24432	23179	-53.7	-40.1	-66.1		270	6.4	6.4	0	8.7
25	24931	25670	24300	-52.2	-39.1	-63.3		272	7.1	7.1	-0.2	9.7
20	26384	27192	25739	-50.5	-37.5	-60.7		268	9.3	9.3	0.4	11.6
15	28272	29168	27558	-48.2	-37.5	-58.7		269	9.8	9.8	0.2	11.4
10	30921	31790	30175	-46.2	-37.5	-54.3		267	8.8	8.8	0.4	10.7
7	33341	33879	33027	-46.8	-40.5	-49.7		262	21.1	20.9	2.9	21.7

FREEZING LEVEL

P	Height	H_max	H_min
690	3227	5730	1930

FIRST TROPOAUSE

P	Height	Temp
213	11844	-56.8

SECOND TROPOAUSE

P	Height	Temp
99	16521	-73.8

Guwahati

42410

Station height

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February

PRESSURE	HEIGHT	Hmax	Hmin	TEMP	TMAX	TMIN	DEWPT	DIR	VELO	U	V	VM
SURFACE	1007.9	1017	998	13.9	20	7.2	12.3	90	0.1	-0.1	0	0.5
1000	116	178	49	14.7	21.2	7.8	12.1	90	0.3	-0.3	0	1.2
950	550	610	466	16.3	24.2	9	9.7	225	0.4	0.3	0.3	3.2
925	780	838	659	15.4	22.8	8	8.8	243	0.4	0.4	0.2	3.2
900	1011	1088	924	13.8	21.2	6.6	6.7	258	1.4	1.4	0.3	4
850	1490	1556	1401	10.6	18.6	2.4	3.4	255	2.8	2.7	0.7	4.9
800	1992	2104	1885	7.1	16.2	-1.5	-0.6	257	4.3	4.2	1	6.2
750	2519	2627	2410	3.8	13.8	-5.5	-5.5	264	6.8	6.8	0.7	8.1
700	3077	3194	2954	0.8	9.8	-7.5	-9.8	268	9.7	9.7	0.4	10.9
650	3668	3805	3531	-2	9.4	-11.7	-13.5	270	13.6	13.6	-0.1	14.5
600	4303	4455	4146	-4.7	8.4	-16.9	-17.9	269	16.5	16.5	0.3	17.9
550	4984	5149	4800	-8.4	4	-23.1	-21.7	270	19.8	19.8	-0.1	20.7
500	5718	5896	5514	-12.8	1.2	-28.9	-26.4	269	21.5	21.5	0.5	23
450	6512	6707	6274	-18.1	-2.5	-35.9	-30	269	25.1	25.1	0.6	26.3
400	7385	7605	7100	-24.1	-9.5	-41.7	-36	267	27.3	27.3	1.6	29.5
350	8345	8597	8011	-30.5	-15.7	-46.1	-41.4	267	30.7	30.7	1.7	32.6
300	9425	9702	9031	-37.4	-23.7	-53.5	-49.8	265	32.2	32.1	3	35.2
250	10662	10963	10221	-44.8	-32.1	-59.7	-58.3	263	33.2	32.9	4.3	36.4
200	12128	12453	11659	-52.9	-40.3	-68.1	-66.7	260	33.4	32.9	5.9	36.3
175	12982	13332	12507	-57.5	-45.1	-67.9	-63.2	263	33.1	32.8	4.1	34.5
150	13940	14323	13470	-62.4	-49.9	-76.1	-71.5	261	30.2	29.8	4.8	32.6
125	15050	15462	14508	-67.6	-54.1	-80.1	-73.1	263	27.3	27.1	3.1	28.5
100	16373	16814	15920	-72	-56.7	-86.1	-78.9	264	22	21.9	2.2	23.7
80	17681	18150	17234	-73.1	-57.9	-84.7		269	16.7	16.7	0.4	17.6
70	18468	18963	18014	-71.5	-55.1	-84.7		268	14.2	14.2	0.5	14.9
60	19385	19920	18923	-68	-53.1	-79.7		273	11	11	-0.5	12
50	20491	21057	20012	-63.1	-49.3	-80.1		277	7.8	7.7	-1	9.7
40	21884	22460	21329	-58.9	-41.9	-80.3		277	6.1	6.1	-0.7	8.2
30	23705	24294	23163	-55	-45.1	-71.9		270	5.7	5.7	0	7.7
25	24862	25476	24244	-53.1	-39.3	-70.1		269	6.3	6.3	0.1	8.3
20	26301	26948	25581	-51.4	-39.7	-66.7		268	7	7	0.3	8.8
15	28172	28873	27336	-49.5	-38.5	-62.7		268	6.8	6.8	0.2	8.6
10	31037	31615	30185	-47.3	-36.3	-56.1		260	6.2	6.1	1.1	7.3
7	33290	34079	32818	-46.1	-35.1	-51.5		265	19.7	19.6	1.6	21.5

FREEZING LEVEL

P	Height	H_max	H_min
682	3305	5760	1990

FIRST TROPOPAUSE

P	Height	Temp
244	11083	-52.6

SECOND ROPOPAUSE

P	Height	Temp
98	16602	-74.1

Guwahati

42410

Station height

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March

PRESSURE	HEIGHT	Hmax	Hmin	TEMP	TMAX	TMIN	DEWPT	DIR	VELO	U	V	VM
SURFACE	1004.8	1014	995	17.5	26	10.2	15	72	0.3	-0.3	-0.1	0.9
1000	94	170	40	17.8	26	10.4	14.6	68	0.5	-0.5	-0.2	1.3
950	529	653	435	19.5	28.8	11	11.7	225	0.3	0.2	0.2	3.7
925	760	836	681	18.9	25.8	11.8	10.6	240	1.4	1.2	0.7	3.9
900	994	1070	896	17.4	24.2	9	8.7	253	2.7	2.6	0.8	4.8
850	1480	1577	1411	14.2	21.4	6.6	5.5	253	5.1	4.9	1.5	6.5
800	1989	2080	1919	10.6	22.2	2.8	2.1	257	7	6.8	1.6	8.2
750	2521	2622	2430	7.1	16.4	-0.7	-2.3	263	9.3	9.2	1.1	10.1
700	3087	3192	2998	3.6	14	-4.9	-6.4	266	11.6	11.6	0.9	12.8
650	3683	3795	3572	0.2	10	-8.7	-10.2	270	14.4	14.4	0	15.3
600	4322	4440	4150	-3	8.2	-11.7	-14.7	269	15.8	15.8	0.4	17.3
550	5009	5132	4881	-6.6	4.8	-15.3	-18.2	271	17.9	17.9	-0.2	19.1
500	5746	5879	5603	-11.1	1.4	-20.9	-24.4	268	18.6	18.6	0.5	20.4
450	6548	6742	6387	-16.7	-4.3	-26.1	-28.6	269	19.7	19.7	0.5	21.1
400	7420	7586	7235	-23.1	-11.3	-33.1	-35.2	266	20.8	20.7	1.6	23
350	8387	8578	8159	-30	-15.9	-40.7	-40.7	266	23	22.9	1.6	24.9
300	9467	9699	9195	-37.5	-23	-52.8	-48.9	263	24.6	24.4	2.9	27.4
250	10703	10976	10403	-45.3	-31.4	-59.7	-57.1	261	28.5	28.1	4.6	31.5
200	12161	12466	11805	-53	-40.7	-65.9	-65	261	29.9	29.5	4.9	32.5
175	13015	13324	12647	-57.2	-44.1	-69.3	-56.2	263	29.2	29	3.5	31.1
150	13975	14291	13608	-61.8	-48.9	-73.9	-58.8	262	25.9	25.7	3.4	27.9
125	15088	15417	14692	-66.8	-52.9	-77.5		264	23.1	23	2.4	24.3
100	16413	16769	15953	-71.2	-55.9	-83.5		264	17.6	17.5	1.9	18.8
80	17729	18108	17203	-72.1	-58.5	-84.7		268	12.4	12.4	0.4	13.6
70	18518	18908	17964	-70.4	-54.1	-83.3		269	9.8	9.8	0.1	10.9
60	19444	19872	18842	-67	-49.3	-79.1		274	7	7	-0.5	8.5
50	20560	21033	19926	-62	-46.1	-73.7		282	4.2	4.1	-0.9	6.4
40	21952	22467	21489	-57.8	-40.3	-69.5		283	3.5	3.4	-0.8	6.1
30	23771	24337	23286	-53.6	-41.1	-67.9		278	2.9	2.9	-0.4	6.2
25	24932	25533	24418	-51.5	-41.9	-64.1		274	2.7	2.7	-0.2	6.8
20	26410	27788	25814	-49.4	-41.1	-63.5		259	4.4	4.3	0.8	7.2
15	28329	28843	27694	-46.9	-40.1	-62.5		257	5	4.9	1.1	7.4
10	30964	31491	30224	-45.2	-39.5	-61.7		260	8.4	8.3	1.4	9.8
7	33464	33920	32517	-40.2	-35.9	-52.5		266	8	8	0.6	8.6

FREEZING LEVEL

P	Height	H_max	H_min
644	3776	5970	2380

FIRST TROPOPAUSE

P	Height	Temp
220	11645	-55.1

SECOND TROPOPAUSE

P	Height	Temp
97	16691	-73.4

PRESSURE	HEIGHT	Hmax	Hmin	TEMP	TMAX	TMIN	DEWPT	DIR	VELO	U	V	VM
SURFACE	1002.6	1010	979	21.1	29.2	14.6	18.9	60	0.8	-0.7	-0.4	1.4
1000	78	138	6	21.2	33.3	15.4	18.7	69	0.9	-0.8	-0.3	1.6
950	514	599	405	21.5	32.6	13.2	16.5	79	1	-1	-0.2	3.8
925	751	823	686	21.1	30.6	12	15.3	225	0.3	0.2	0.2	3.7
900	984	1054	900	19.7	29.6	11	13.6	250	2	1.9	0.7	4.7
850	1475	1540	1388	17	27.4	8.8	10.4	249	5.3	5	1.9	6.8
800	1990	2059	1900	13.8	23.4	5.4	6.6	253	7.7	7.4	2.3	9
750	2528	2610	2417	10.2	18.8	1.8	3	261	9.7	9.6	1.5	10.7
700	3100	3192	2991	6.4	18	-2.7	-1.5	262	11.2	11.1	1.5	12.7
650	3702	3818	3580	2.7	14.6	-6.1	-6	267	12.7	12.7	0.7	14
600	4347	4468	4134	-1.1	11.2	-10.1	-10.2	267	13.1	13.1	0.7	15
550	5038	5180	4822	-4.7	7.2	-14.1	-14.5	270	13.8	13.8	-0.1	15.4
500	5781	5943	5565	-9	-0.7	-19.1	-19.3	267	13.7	13.7	0.8	16.2
450	6589	6768	6368	-14.3	-5.3	-25.7	-23.8	267	14.6	14.6	0.7	16.6
400	7471	7666	7255	-20.6	-10.1	-32.3	-30.5	263	15.3	15.2	1.8	18
350	8446	8685	8186	-27.6	-14.3	-42.1	-35.9	265	17.1	17	1.5	19.5
300	9537	9841	9231	-35.3	-21.5	-52.3	-43.9	258	19.2	18.8	3.9	22.4
250	10783	11157	10429	-43.9	-30.1	-58.5	-52.9	257	22.6	22	5.2	25.7
200	12253	12591	11803	-52.7	-41.9	-67.5	-62.1	256	25	24.3	5.9	28
175	13114	14906	12618	-56.9	-44.1	-69.3	-59.3	262	25	24.7	3.6	26.8
150	14070	14463	13547	-61.9	-48.3	-75.5	-61.6	260	21.9	21.5	3.9	24.3
125	15188	15570	14624	-67.2	-49.5	-77.9	-61.5	265	18.7	18.6	1.5	20.1
100	16513	16943	15922	-71.9	-54.5	-81.9		265	12.9	12.9	1.1	14.6
80	17826	18290	17199	-72.6	-49.3	-86.1		271	8.5	8.5	-0.1	10
70	18613	19097	17974	-70.2	-44.1	-82.1		278	4.8	4.7	-0.7	7.3
60	19510	19990	18881	-66.9	-49.9	-80.9		294	2.7	2.5	-1.1	6
50	20654	21186	19961	-61.6	-46.3	-75.1		315	0.7	0.5	-0.5	4.8
40	22047	22609	21309	-57	-44.5	-68.7		324	0.9	0.5	-0.7	4.2
30	23889	24486	23115	-52	-37.9	-65.5		304	0.7	0.6	-0.4	4.7
25	25062	25704	24285	-49.6	-30.9	-65.1		275	1.1	1.1	-0.1	4.6
20	26535	27208	25752	-47.4	-35.9	-61.1		252	1.9	1.8	0.6	5.4
15	28420	29112	27771	-45.2	-33.5	-57.5		247	2.1	1.9	0.8	5.3
10	31152	31824	30533	-42.7	-27.5	-54.7		240	3.4	3	1.7	7.4
7	33498	34396	32954	-41.8	-26.1	-54.1		278	5	5	-0.7	6.5

FREEZING LEVEL

P	Height	H_max	H_min
613	4190	5780	2770

FIRST TROPOPAUSE

P	Height	Temp
208	12107	-56.2

SECOND TROPOPAUSE

P	Height	Temp
97	16757	-74.1

PRESSURE	HEIGHT	Hmax	Hmin	TEMP	TMAX	TMIN	DEWPT	DIR	VELO	U	V	VM
SURFACE	999.8	1007	988	23.8	29.8	19.2	22.2	59	0.6	-0.5	-0.3	1.2
1000	66	107	24	23.4	33.2	18.4	21.5	68	0.5	-0.5	-0.2	1.1
950	494	580	396	23.1	31.4	16	19.9	84	0.9	-0.9	-0.1	3.2
925	728	797	632	22.5	30.6	15.8	18.9	90	0.2	-0.2	0	3.2
900	967	1041	870	21.1	29.8	14.4	17.3	252	0.6	0.6	0.2	3.9
850	1460	1542	1362	18.6	27	11.4	14.4	247	2.8	2.6	1.1	5.3
800	1978	2087	1881	15.6	24.6	8.2	11.2	250	4.5	4.2	1.5	6.6
750	2522	2608	2428	12.3	19	4.8	7.5	259	5.7	5.6	1.1	7.7
700	3098	3191	3007	8.8	16.3	0.8	3.3	262	6.3	6.2	0.9	8.4
650	3707	3814	3613	5.2	14	-2.7	-1.2	266	6.9	6.9	0.5	8.9
600	4358	4466	4259	1.6	12.8	-6.1	-5.6	265	7	7	0.6	9
550	5056	5172	4947	-2	9.2	-13.3	-9.7	265	7.2	7.2	0.6	9.3
500	5806	5942	5679	-6	6.8	-18.5	-15	260	7.4	7.3	1.3	9.6
450	6626	6784	6477	-10.7	-0.5	-19.3	-19.8	258	8.4	8.2	1.7	10.5
400	7521	7708	7340	-16.4	-6.7	-26.3	-25.4	257	9.6	9.3	2.2	12
350	8516	8777	8312	-22.7	-11.3	-34.7	-31.5	257	12.1	11.8	2.8	14.2
300	9630	9871	9380	-30.1	-18.2	-46.9	-39.2	255	14	13.5	3.7	16.2
250	10904	11175	10598	-39.1	-27.5	-55.7	-47.5	253	16.8	16.1	4.9	19
200	12399	12702	12090	-49.9	-39.9	-58.9	-58.9	252	17.9	17	5.6	20.2
175	13265	13582	12934	-56	-45.1	-65.3	-61.4	254	17.5	16.9	4.7	19.5
150	14226	14579	13896	-62.4	-52.1	-78.1	-62	254	15.3	14.7	4.1	17.5
125	15334	15736	13584	-68.8	-54.9	-79.9	-73.3	260	12	11.8	2	14.4
100	16653	17145	16282	-74.1	-55.8	-84.5		264	6.2	6.2	0.7	9.3
80	17952	18447	17566	-74.5	-57.9	-88.9		275	2.4	2.4	-0.2	6.8
70	18732	19240	18338	-71.4	-51.9	-82.5		360	1	0	-1	6.4
60	19311	19994	19132	-67.1	-46.9	-81.9		80	2.3	-2.3	-0.4	6.2
50	20771	21390	20340	-61.2	-41.3	-79.1		80	3.6	-3.5	-0.6	5.8
40	22166	22872	21630	-56.3	-37.5	-76.3		77	4	-3.9	-0.9	5.7
30	24018	24872	23559	-51	-31	-70.9		85	4.3	-4.3	-0.4	6.3
25	25192	26010	24688	-48.6	-35.7	-68.1		95	4.5	-4.5	0.4	6.2
20	26664	27664	26061	-46.5	-30.1	-64.7		102	3.8	-3.7	0.8	6.3
15	28577	29740	27857	-44.3	-24.9	-61.1		108	3.5	-3.3	1.1	5.8
10	31338	32374	30646	-41.3	-28.5	-49.3		120	2.4	-2.1	1.2	5
7	33645	34379	33000	-41.1	-32.9	-46.9		189	2.6	0.4	2.6	4.7

FREEZING LEVEL

P	Height	H_max	H_min
579	4662	6940	3210

FIRST TROPOPAUSE

P	Height	Temp

SECOND TROPOPAUSE

P	Height	Temp
96	16957	-76

PRESSURE	HEIGHT	Hmax	Hmin	TEMP	TMAX	TMIN	DEWPT	DIR	VELO	U	V	VM
SURFACE	995.8	1005	922	26.2	29.6	22.4	24.5	63	0.4	-0.4	-0.2	0.9
1000	50	84	-27	25.3	27.9	23.2	23.7	76	0.4	-0.4	-0.1	1
950	464	543	382	24.7	33.2	18.7	22.5	74	0.7	-0.7	-0.2	2.9
925	702	768	621	23.6	32.4	17.8	21	146	0.4	-0.2	0.3	2.9
900	940	1007	860	22.5	30.4	15.2	20	180	0.5	0	0.5	3.6
850	1436	1514	1356	20	27.8	14	17.3	219	1.9	1.2	1.5	4.7
800	1958	2049	1865	17.2	24	10.6	14.5	225	3	2.1	2.1	5.6
750	2506	2609	2392	14.4	22.1	6.3	11.3	232	3.3	2.6	2	6.1
700	3088	3200	2956	11.3	18.7	3.6	7.8	233	3.4	2.7	2	6.2
650	3702	3832	3562	8.2	17.9	1.2	3.7	234	3.4	2.8	2	6.1
600	4361	4506	4215	4.8	18.2	-2.9	-0.5	230	3.5	2.7	2.3	6
550	5068	5226	4916	1.1	16.3	-6.5	-4.3	231	3.5	2.7	2.2	6.1
500	5828	6001	5674	-2.8	13.2	-10.7	-9.1	230	3.5	2.7	2.3	6.1
450	6659	6855	6510	-7.1	4.9	-16.3	-14.2	233	3.6	2.9	2.2	6.3
400	7567	7795	7386	-12.3	-5.1	-22.1	-20.3	230	3.8	2.9	2.4	6.3
350	8577	8801	8370	-18.5	-9.9	-36.6	-26.6	232	3.6	2.8	2.2	6.4
300	9711	9953	9410	-26.1	-12.1	-51.3	-35	230	3.4	2.6	2.2	6.6
250	11006	11268	10640	-35.8	-19.8	-70	-44	236	3.4	2.8	1.9	7.1
200	12520	12807	12189	-48	-28.3	-58.2	-55.7	250	3.2	3	1.1	8.2
175	13389	13692	13019	-55.2	-34.2	-66.3	-59.9	260	2.8	2.8	0.5	8.6
150	14353	14684	13947	-62.9	-39.2	-74.3	-64.8	288	2	1.9	-0.6	8.5
125	15457	15850	15027	-70.3	-52.5	-85.5		7	1.7	-0.2	-1.7	8.5
100	16758	17181	16339	-76.1	-63.9	-87.7		55	4.2	-3.4	-2.4	8.2
80	18048	18511	17550	-75.4	-56.5	-86.3		67	7.3	-6.7	-2.8	9.4
70	18821	19307	18287	-72.1	-49.7	-83.5		73	8.8	-8.4	-2.6	10.2
60	19168	19994	19152	-67.4	-44.3	-84.9		80	9.5	-9.4	-1.6	10.4
50	20856	21469	20201	-61.2	-40.5	-79.9		81	9.7	-9.6	-1.6	10.6
40	22253	22971	21529	-56.2	-37.1	-79.3		82	10.6	-10.5	-1.5	11.3
30	24097	24950	23298	-51.5	-34.1	-77.3		84	12.1	-12	-1.3	12.6
25	25273	26193	24701	-49.4	-32.3	-74.3		88	12.9	-12.9	-0.4	13.4
20	26752	27634	26149	-46.8	-32.7	-57.1		91	13.3	-13.3	0.3	13.9
15	28628	29391	28040	-45	-35.1	-56.3		91	13.5	-13.5	0.3	14.1
10	31308	32205	30776	-43.2	-34.3	-50.7		100	10.6	-10.4	1.9	11.5
7	33664	34175	33257	-41.6	-36.3	-48.7		110	14.8	-13.9	5	16.4

FREEZING LEVEL

P	Height	H_max	H_min
536	5291	6627	3800

FIRST TROPOPAUSE

P	Height	Temp

SECOND TROPOPAUSE

P	Height	Temp
97	16981	-77.8

PRESSURE	HEIGHT	Hmax	Hmin	TEMP	TMAX	TMIN	DEWPt	DIR	VELO	U	V	VM
SURFACE	995.9	1003	988	26.7	30.6	22.8	25.2	90	0.1	-0.1	0	0.7
1000	56	73	49	26.5	28	24.8	25	256	0.4	0.4	0.1	0.7
950	464	547	375	24.8	29.8	19.4	23	45	0.1	-0.1	-0.1	2.8
925	699	756	636	23.9	29.4	19.4	21.9	225	0.1	0.1	0.1	3.2
900	940	1000	878	22.5	28	17.2	20.5	238	0.9	0.8	0.5	3.9
850	1437	1497	1380	20.1	26.2	14.8	17.9	225	2.3	1.6	1.6	4.9
800	1959	2061	1887	17.4	24.6	11.2	15.3	224	3	2.1	2.2	5.6
750	2507	2625	2430	14.6	21	9.2	12.4	221	3.2	2.1	2.4	5.8
700	3090	3185	3022	11.7	18.6	6	9.1	218	3.1	1.9	2.4	5.8
650	3705	3849	3616	8.6	15.6	1.8	5.4	218	2.9	1.8	2.3	5.7
600	4367	4487	4276	5.3	11.8	-1.7	1.6	212	2.5	1.3	2.1	5.4
550	5075	5203	4972	1.7	9.4	-5.9	-2.4	209	2.1	1	1.8	5.1
500	5838	5983	5719	-2.3	7	-13.1	-6.8	202	1.6	0.6	1.5	4.9
450	6669	6822	6540	-6.6	-0.3	-20.7	-11.7	174	1	-0.1	1	4.8
400	7581	7765	7436	-11.8	-5.1	-20.8	-17.9	124	1.1	-0.9	0.6	4.9
350	8590	8801	8422	-17.9	-10.9	-28.9	-25.3	94	1.6	-1.6	0.1	5.1
300	9730	9960	9525	-25.8	-17.1	-38.4	-33.8	79	2.6	-2.6	-0.5	5.9
250	11024	11281	10725	-35.8	-28.1	-47.1	-43.8	72	4.1	-3.9	-1.3	7.4
200	12536	12828	12206	-48.3	-39.7	-60.1	-56.1	62	6.4	-5.7	-3	9.7
175	13401	13716	13023	-55.8	-45.9	-68.1	-60.5	60	7.8	-6.8	-3.9	11
150	14362	14709	13934	-63.6	-54.5	-76.1	-65.5	63	9.8	-8.7	-4.5	12.7
125	15459	15842	14977	-71.4	-61.1	-82.9		66	12	-11	-4.9	14.6
100	16758	17177	16244	-76	-63.1	-86.5		69	14.7	-13.7	-5.2	16.1
80	18055	18533	17537	-73.7	-59.9	-83.3		74	16.6	-16	-4.5	17.5
70	18842	19340	18339	-69.8	-52.9	-81.5		77	16.4	-16	-3.6	17.4
60	19087	19999	19087	-65.1	-49.7	-79.1		81	16	-15.8	-2.4	16.7
50	20896	21487	20365	-60.2	-44.5	-72.5		83	15.5	-15.4	-2	16.6
40	22305	22928	21735	-56.2	-40.1	-66.7		82	16.5	-16.4	-2.2	17.3
30	24148	24806	23551	-52.2	-34.9	-61.8		86	18.4	-18.4	-1.2	19.2
25	25314	26012	24697	-50.3	-35.1	-62.3		87	19.1	-19.1	-0.9	19.8
20	26778	27646	26130	-48.5	-35.7	-56.9		87	19.7	-19.7	-1.1	20.4
15	28667	29571	28067	-46.5	-37.5	-54.1		87	21.6	-21.6	-1.1	22.4
10	31410	32361	30843	-43.1	-35.9	-49.9		85	13.2	-13.2	-1.1	13.6
7	33928	34847	33434	-42.2	-34.3	-48.9		86	13.5	-13.5	-1	13.5

FREEZING LEVEL

P	Height	H_max	H_min
530	5391	6830	4030

FIRST TROPOPAUSE

P	Height	Temp

SECOND TROPOPAUSE

P	Height	Temp
103	16654	-77.3

PRESSURE	HEIGHT	Hmax	Hmin	TEMP	TMAX	TMIN	DEWPT	DIR	VELO	U	V	VM
SURFACE	997.1	1005	989	26.7	30.2	24	25.3	117	0.2	-0.2	0.1	0.8
1000	55	89	9	26.1	29	23.8	24.2	0	0	0	0	0.8
950	473	542	390	25	30.8	19.6	22.8	90	0.4	-0.4	0	2.9
925	712	776	645	24	30.8	19	21.4	90	0.3	-0.3	0	3.3
900	950	1015	879	22.8	29.8	17	20.2	153	0.2	-0.1	0.2	3.7
850	1447	1516	1343	20.2	27.4	12.6	17.3	198	0.9	0.3	0.9	4.4
800	1969	2053	1876	17.4	25.2	9.8	14.7	198	1.3	0.4	1.2	4.8
750	2516	2619	2403	14.6	22.6	7	11.7	184	1.3	0.1	1.3	4.9
700	3100	3215	2988	11.6	17.6	5	8.4	180	1.5	0	1.5	5
650	3714	3849	3592	8.5	13.8	1.8	4.8	180	1.6	0	1.6	4.9
600	4375	4540	4237	5.1	11	-5.3	0.7	173	1.7	-0.2	1.7	4.9
550	5083	5228	4942	1.3	9.4	-4.7	-3.3	163	1.7	-0.5	1.6	4.7
500	5844	6000	5695	-2.6	5.6	-9.5	-7.7	148	1.5	-0.8	1.3	4.5
450	6674	6838	6516	-7	-0.9	-16.3	-13	123	1.7	-1.4	0.9	4.6
400	7585	7755	7415	-12.2	-5.1	-22.7	-19.1	108	2	-1.9	0.6	4.7
350	8593	8768	8413	-18.5	-11.9	-27.5	-26.2	94	2.6	-2.6	0.2	5.1
300	9728	9908	9540	-26.3	-18.7	-36.9	-34.5	88	3.6	-3.6	-0.1	5.9
250	11021	11239	10790	-36.3	-27.7	-47.1	-43.9	77	4.7	-4.6	-1.1	7.5
200	12531	12786	12239	-48.9	-39.4	-60.3	-56.1	64	6.4	-5.7	-2.8	9.6
175	13393	13671	13067	-56.3	-41.8	-69.3	-61	62	7.4	-6.5	-3.5	10.7
150	14356	14690	13981	-63.9	-42.6	-76.5	-70.3	62	8.7	-7.7	-4.1	12
125	15455	15780	15035	-71.3	-57.6	-84.1	-68	65	10.7	-9.7	-4.5	13.1
100	16760	17157	16331	-75.4	-55.5	-87.9		70	13.3	-12.5	-4.6	14.6
80	18068	18516	17600	-72.3	-48.4	-82.9		77	15.3	-14.9	-3.5	16
70	18863	19381	18388	-68.6	-45.9	-80.1		81	15.3	-15.1	-2.5	15.9
60	19005	20401	19231	-64.2	-44.1	-77.1		83	15	-14.9	-1.9	15.5
50	20921	21502	20354	-60	-44.9	-72.3		83	15.5	-15.4	-1.9	15.9
40	22327	22995	21695	-56.1	-43.9	-67.7		84	16.7	-16.6	-1.6	17.1
30	24176	24919	23434	-52.2	-38.5	-64.1		87	19.5	-19.5	-1.1	20.1
25	25347	26148	24556	-50.5	-32.9	-60.3		88	20.5	-20.5	-0.8	20.9
20	26811	27656	25998	-48.8	-31.9	-57.7		89	22.8	-22.8	-0.5	23.2
15	28684	29323	27880	-47	-28.5	-55.7		88	25	-25	-0.9	25.5
10	31385	32096	30785	-44.8	-34.9	-52.3		90	22	-22	0.1	22.3
7	33723	34235	33267	-44	-34.5	-52.7		90	39.1	-39.1	0.1	39.5

FREEZING LEVEL

P	Height	H_max	H_min
533	5346	6590	4050

FIRST TROPOPAUSE

P	Height	Temp

SECOND TROPOPAUSE

P	Height	Temp
103	16619	-76.7

Guwahati

42410

Station height

54

September

PRESSURE	HEIGHT	H max	H min	TEMP	TMAX	TMIN	DEWPt	DIR	VELO	U	V	VM
SURFACE	1000.8	1010	993	25.7	29.2	21	24.4	90	0.2	-0.2	0	0.7
1000	69	139	46	25.4	28.6	21	23.9	63	0.2	-0.2	-0.1	0.9
950	503	586	400	24.1	31	18.8	21.7	79	0.5	-0.5	-0.1	3.1
925	741	794	660	23.2	29.6	19.6	20.3	104	0.4	-0.4	0.1	3.3
900	980	1045	913	21.9	28.4	16.6	19	207	0.4	0.2	0.4	3.8
850	1475	1540	1412	19.3	26.2	14	16.2	225	1.4	1	1	4.6
800	1995	2075	1902	16.5	23.4	10.4	13.3	223	1.9	1.3	1.4	5
750	2540	2629	2448	13.6	22	8.4	10	219	2.1	1.3	1.6	5.3
700	3121	3221	3037	10.5	19.2	5.2	6.3	217	2.1	1.3	1.7	5.4
650	3733	3831	3605	7.3	16	1.4	2.4	221	2.3	1.5	1.7	5.5
600	4392	4976	4228	3.8	12.2	-2.3	-1.3	227	2.6	1.9	1.8	5.6
550	5094	5214	4924	0	8	-6.3	-5.5	228	2.7	2	1.8	5.7
500	5852	5991	5752	-4	4.2	-10.3	-10	231	2.7	2.1	1.7	5.6
450	6678	6833	6542	-8.5	-1.3	-16.3	-15.4	234	2.4	1.9	1.4	5.4
400	7582	7756	7460	-13.8	-6.3	-20.9	-21.6	234	2.2	1.8	1.3	5.5
350	8584	8775	8433	-20.2	-12.3	-28.7	-28.8	238	1.9	1.6	1	5.8
300	9710	9916	9513	-28.2	-20.1	-37.1	-36.9	243	1.6	1.4	0.7	6.4
250	10993	11217	10762	-38.2	-29.9	-48.3	-46.3	257	1.7	1.7	0.4	7.5
200	12491	12775	12208	-50.6	-38.5	-62.1	-59.3	291	1.9	1.8	-0.7	9
175	13348	13674	13057	-57.6	-46.1	-69.7	-61.9	313	2.1	1.5	-1.4	9.6
150	14305	14680	13959	-64.9	-54.1	-77.3	-71.5	354	1.9	0.2	-1.9	9.6
125	15398	15825	14983	-71.7	-59.5	-83.7	-63.7	41	2.8	-1.8	-2.1	8.8
100	16699	17174	16230	-75.6	-53.1	-84.1	-71.1	66	5.2	-4.8	-2.1	8.7
80	17999	18493	17517	-72.7	-58.1	-82.3		73	7.7	-7.4	-2.2	9.1
70	18792	19290	18312	-68.8	-54.1	-78.7		79	8.7	-8.6	-1.6	9.7
60	19351	19996	19225	-64.2	-49.3	-75.7		85	9.1	-9.1	-0.8	9.8
50	20856	21477	20384	-59.8	-44.1	-71.3		83	9.9	-9.8	-1.2	10.5
40	22260	22951	21785	-56.1	-38.7	-66.9		83	12.1	-12	-1.5	12.5
30	24105	24864	23613	-52.4	-39.5	-61.5		86	14.7	-14.7	-0.9	15.2
25	25286	26094	24762	-50.4	-35.1	-60.1		90	15.2	-15.2	0	15.8
20	26751	27605	26177	-48.4	-28.5	-58.1		92	16.9	-16.9	0.7	17.5
15	28638	29564	28021	-46.6	-35.1	-55.7		94	16.8	-16.8	1.1	17.3
10	31272	32354	30859	-44.4	-36.5	-51.1		91	16.8	-16.8	0.2	17.6
7	33587	33889	33224	-44.3	-40.3	-47.7		85	17.7	-17.6	-1.6	18.5

FREEZING LEVEL

P	Height	H max	H min
550	5103	6450	4030

FIRST TROPOPAUSE

P	Height	Temp

SECOND TROPOPAUSE

P	Height	Temp
104	16486	-76.6

PRESSURE	HEIGHT	H max	H min	TEMP	TMAX	TMIN	DEWPT	DIR	VELO	U	V	VM
SURFACE	1005.3	1013	995	23	28.2	17.4	21.9	72	0.3	-0.3	-0.1	0.6
1000	97	166	49	23	28.2	17.4	21.7	72	0.6	-0.6	-0.2	1
950	539	608	443	22.1	32.6	15.2	19.1	79	1.6	-1.6	-0.3	3.3
925	776	830	676	21.1	28.6	14	17.7	75	1.6	-1.5	-0.4	3.6
900	1012	1080	909	20	26.6	12	15.9	81	1.3	-1.3	-0.2	4
850	1503	1565	1394	17.3	23.8	8.8	12	112	0.5	-0.5	0.2	4.1
800	2019	2088	1904	14.3	21	5.4	8.1	221	0.9	0.6	0.7	4.3
750	2558	2672	2418	11.1	18.4	2.8	3.6	237	2	1.7	1.1	4.5
700	3133	3223	3015	7.8	16.6	-1.9	-0.5	243	3.4	3	1.5	5.4
650	3737	3839	3563	4.4	12.2	-4.7	-4.5	247	4.8	4.4	1.9	6.5
600	4388	4501	4266	1.1	11.2	-6.1	-8.3	251	6.5	6.1	2.1	8.1
550	5084	5210	4952	-2.3	9.2	-10.3	-11.8	252	8.4	8	2.6	9.7
500	5835	5976	5695	-6.3	4.4	-17.1	-15.5	252	10	9.5	3	11.1
450	6653	6811	6493	-11.1	0.4	-21.1	-19.8	254	11.6	11.1	3.2	12.8
400	7547	7773	7369	-16.6	-4.7	-29.7	-25.7	254	13	12.5	3.7	14.5
350	8536	8738	8334	-23.1	-15.5	-33.3	-31.9	254	15	14.4	4.1	16.4
300	9650	9868	9425	-30.9	-21.9	-40.1	-40.3	254	17.5	16.8	4.8	18.9
250	10918	11155	10658	-40.5	-31.5	-51.1	-50.8	254	18.6	17.9	5.1	20.2
200	12400	12661	12079	-52.1	-43.9	-62.9	-64.7	255	18.9	18.3	4.9	20.5
175	13255	13527	12891	-58.5	-46.1	-69.3	-61.9	255	18.2	17.6	4.8	19.8
150	14208	14507	13802	-65.4	-49.5	-76.5	-63.5	256	16.1	15.6	4	17.8
125	15299	15623	14840	-71.8	-55.1	-82.3		258	12.9	12.6	2.6	14.6
100	16598	17031	16074	-75.8	-60.5	-85.9		261	8.4	8.3	1.3	10
80	17896	18288	17302	-72.9	-57.5	-84.5		269	4.2	4.2	0.1	7
70	18689	19130	18045	-68.6	-51.5	-82.1		281	1.6	1.6	-0.3	5.9
60	19558	19996	18916	-64.1	-45.5	-82.7		99	0.6	-0.6	0.1	5.3
50	20747	21280	19956	-59.9	-40.5	-77.3		84	1.9	-1.9	-0.2	5.3
40	22157	22745	21254	-56.2	-34.3	-71.1		85	3.2	-3.2	-0.3	5.5
30	24000	24667	22981	-52.8	-38.7	-67.1		88	3.5	-3.5	-0.1	6.2
25	25167	25822	24088	-50.8	-31.5	-64.5		101	3.8	-3.7	0.7	6.6
20	26625	27447	25464	-49	-34.1	-61.1		106	4	-3.8	1.1	6.7
15	28510	29204	27258	-47.1	-36.1	-59.1		109	3.9	-3.7	1.3	6.4
10	31208	32002	30320	-45	-31.9	-57.1		145	1.2	-0.7	1	5.2
7	33428	33846	32669	-45.7	-37.5	-54.9		174	1	-0.1	1	4.5

FREEZING LEVEL

P	Height	H max	H min
586	4595	6890	2860

FIRST TROPOPAUSE

P	Height	Temp

SECOND TROPOPAUSE

P	Height	Temp
104	16423	-77

PRESSURE	HEIGHT	H max	H min	TEMP	TMAX	TMIN	DEWPT	DIR	VELO	U	V	VM
SURFACE	1008.7	1016	1002	18.2	26.4	12.4	17.1	63	0.2	-0.2	-0.1	0.3
1000	123	185	68	18.6	25.8	12.6	17	77	0.9	-0.9	-0.2	1.2
950	562	616	466	19	32.2	9.5	14.9	81	2.6	-2.6	-0.4	3.4
925	795	864	738	18.2	30.6	10.3	13.1	75	2.4	-2.3	-0.6	3.6
900	1029	1099	970	17	28.8	7.9	11.1	79	3.1	-3	-0.6	4.3
850	1514	1584	1448	14.1	24.4	4.7	6.5	81	2.4	-2.4	-0.4	4.4
800	2023	2091	1946	10.9	20.6	3	1.8	86	1.4	-1.4	-0.1	4.3
750	2556	2668	2430	7.6	21.7	-4.5	-3.1	198	0.3	0.1	0.3	4.5
700	3123	3222	3031	4.5	18.3	-3.7	-7.5	259	2.5	2.5	0.5	5.6
650	3721	3839	3611	1.5	9.4	-6.9	-11.3	262	5.5	5.4	0.8	7.8
600	4365	4499	4255	-1.3	9.4	-10.7	-15.6	262	8.8	8.7	1.2	10.7
550	5055	5209	4932	-4.7	4.4	-14.3	-19.1	262	11.7	11.6	1.7	13.7
500	5797	5976	5663	-9.2	-1.1	-18.5	-23	260	14.5	14.3	2.4	16.5
450	6605	6802	6435	-14.5	-4	-24.3	-27.2	261	17.5	17.3	2.7	19.8
400	7487	7702	7290	-20.6	-8	-32.5	-33	260	20.2	19.9	3.5	22.9
350	8462	8705	8233	-27.2	-9.3	-40.3	-39.4	259	23.5	23.1	4.3	26.6
300	9557	9822	9297	-34.5	-16.3	-46.5	-46.8	259	26.8	26.3	5.2	30.3
250	10807	11101	10522	-43	-18.8	-55.4	-56	257	29.4	28.7	6.6	33.1
200	12277	12739	11933	-53.3	-25.3	-66.1	-66.8	256	30.2	29.3	7.4	33.5
175	13125	13688	12745	-59.1	-30.4	-71.7	-62.1	256	29	28.2	6.8	32.2
150	14079	14602	13696	-64.6	-49.9	-77.3		258	26.1	25.5	5.5	28.9
125	15177	15767	14792	-69.6	-54.1	-79.9		260	21.2	20.9	3.7	23.6
100	16494	17047	16116	-73.2	-60.5	-85.1		264	15.8	15.7	1.7	17.6
80	17798	18397	17401	-72.5	-54.9	-86.7		271	9.9	9.9	-0.1	11.1
70	18590	19189	18134	-69.3	-48.1	-84.1		273	6.4	6.4	-0.3	8.5
60	19517	19982	19000	-65.2	-40.7	-79.5		276	4.1	4.1	-0.4	6.8
50	20648	21119	20195	-60.1	-42.5	-74.1		274	2.8	2.8	-0.2	5.6
40	22056	22539	21550	-56	-37.5	-67.1		270	2.3	2.3	0	5.4
30	23899	24413	23355	-52.3	-36.5	-61.7		267	1.8	1.8	0.1	5.7
25	25068	25611	24503	-50.8	-38.3	-59.9		267	2.1	2.1	0.1	5.6
20	26532	27159	25733	-49	-36.9	-57.9		268	3.1	3.1	0.1	6.2
15	28426	29154	27577	-47.3	-34.5	-56.7		257	3.7	3.6	0.8	6.9
10	31115	31911	30517	-45.1	-33.7	-54.9		260	3.9	3.8	0.7	6
7	33419	33847	32836	-44.2	-35.9	-55.7		270	3.7	3.7	0	4.3

FREEZING LEVEL

P	Height	H_max	H_min
625	4058	5810	2730

FIRST TROPOPAUSE

P	Height	Temp

SECOND TROPOPAUSE

P	Height	Temp
103	16394	-74.6

PRESSURE	HEIGHT	H max	H min	TEMP	TMAX	TMIN	DEWPT	DIR	VELO	U	V	VM
SURFACE	1010.8	1018	1003	13.6	20	7.8	12.6	90	0.1	-0.1	0	0.2
1000	139	205	72	14.4	20	6.2	12.7	77	0.9	-0.9	-0.2	1.3
950	571	638	500	15.8	23.2	8.6	11.2	83	2.5	-2.5	-0.3	3.4
925	800	913	714	15.1	21.4	9	9.6	80	2.8	-2.8	-0.5	3.7
900	1033	1098	969	13.7	20.8	7	7.2	80	2.9	-2.9	-0.5	4.1
850	1513	1579	1443	10.7	17.8	3.6	2.8	83	2.6	-2.6	-0.3	4.4
800	2016	2089	1938	7.6	18.4	1	-1.5	90	1.8	-1.8	0	4.6
750	2542	2615	2448	4.7	14.8	-2.5	-6.3	270	0.2	0.2	0	5
700	3104	3185	3009	2.1	12	-6.5	-10.9	272	3.5	3.5	-0.1	6.7
650	3697	3800	3547	-0.1	14.2	-9.9	-14.9	270	7.9	7.9	0	10.4
600	4337	4455	4226	-2.5	11.2	-12.7	-18.8	269	12.5	12.5	0.2	14.7
550	5024	5169	4895	-6.3	9	-17.5	-22.1	268	15.7	15.7	0.5	17.7
500	5761	5938	5615	-11.1	2.8	-22.6	-26.9	267	18.4	18.4	0.9	20.6
450	6561	6766	6381	-16.6	-3.3	-27.7	-31.6	267	21.5	21.5	1	23.9
400	7436	7666	7223	-22.8	-10.1	-34.7	-37.7	267	25.6	25.6	1.4	28.2
350	8402	8665	8143	-29.5	-18.5	-42.7	-43.7	266	29.8	29.7	2	32.6
300	9489	9795	9168	-36.7	-24.5	-49.5	-50.5	265	32.3	32.2	2.9	35.7
250	10728	11078	10359	-45	-33.5	-56.9	-60	263	35.3	35	4.2	38.9
200	12188	12585	11768	-54.3	-42.9	-65.3	-70	261	35.1	34.6	5.6	38.2
175	13033	13453	12573	-59.1	-44.7	-71.1		259	33.8	33.2	6.2	36.6
150	13987	14426	13480	-63.6	-49.5	-75.7		260	31.8	31.3	5.4	34.3
125	15093	15536	14542	-68.1	-55.1	-83.1		263	27.9	27.7	3.6	29.7
100	16419	16930	15835	-71.7	-57.9	-85.7		264	21.2	21.1	2.3	22.3
80	17732	18223	17122	-71.7	-55.3	-83.1		269	14.6	14.6	0.3	15.6
70	18526	18991	17825	-69.3	-52.5	-81.5		271	11.4	11.4	-0.2	12.6
60	19454	19908	18798	-65.9	-50.1	-78.5		274	8.9	8.9	-0.6	10.3
50	20575	21053	19881	-61	-42.1	-73.5		273	6.7	6.7	-0.3	8.4
40	21975	22488	21233	-57.1	-43.5	-70.1		271	5.8	5.8	-0.1	8.2
30	23811	24408	23018	-53.3	-30.7	-65.1		271	5.7	5.7	-0.1	8.6
25	24978	25630	24250	-51.6	-40.1	-64.5		269	5.3	5.3	0.1	8.5
20	26437	27091	25606	-49.5	-37.9	-64.9		268	6.5	6.5	0.2	9.3
15	28321	28924	27626	-47.8	-36.1	-61.5		266	7.4	7.4	0.5	10.1
10	31013	31680	30318	-45.7	-36.1	-54.5		262	4.9	4.8	0.7	6.3
7	33270	33644	32917	-46.2	-41.5	-52.3		265	5	5	0.4	5

FREEZING LEVEL

P	Height	H_max	H_min
656	3663	6270	2130

FIRST TROPOPAUSE

P	Height	Temp
194	12526	-60

SECOND TROPOPAUSE

P	Height	Temp
101	16477	-73.5