भारत सरकार / GOVERNMENT OF INDIA

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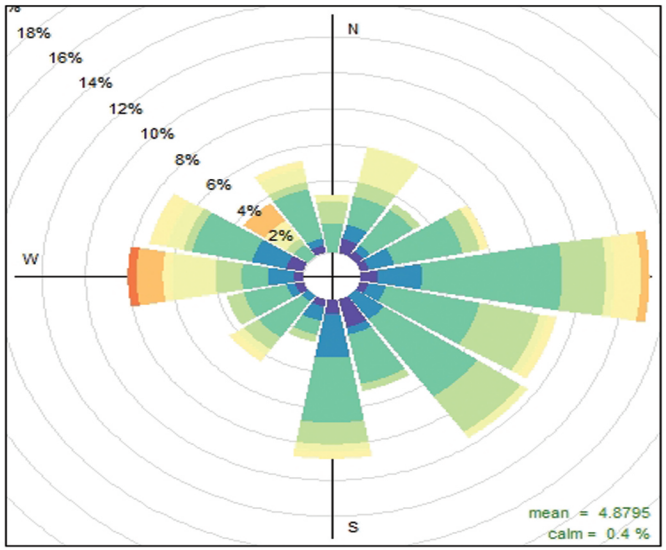
भारत मौसम विज्ञान भवन / INDIA METEOROLOGICAL DEPARTMENT

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)



श्रीनगर
SRINAGAR

सितम्बर २०२०

SEPTEMBER 2020

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श्रीनगर

SRINAGAR

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 **Srinagar** (Latitude 34^0 05'N, Longitude 74^0 50'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 — **Dr. D. S. Pai**

September 2020 — Head C R & S

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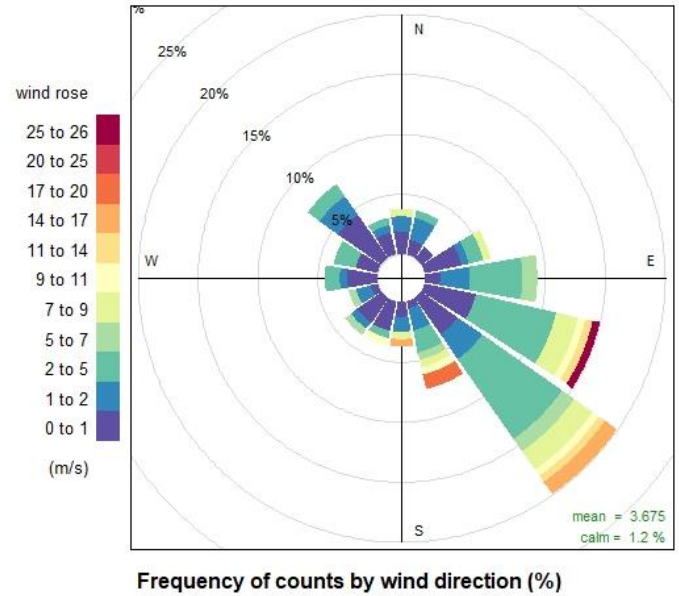
Description of various terms used in the table (Normals of Radiosonde data)

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 ^{o}C.
6	TMAX	Highest value of temperature in ^{o}C observed at particular isobaric level
7	TMIN	Lowest value of temperature in ^{o}C observed at particular isobaric level
8	DEWPT	Mean dew point temperature in ^{o}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.

Srinagar January 1000 hPa level

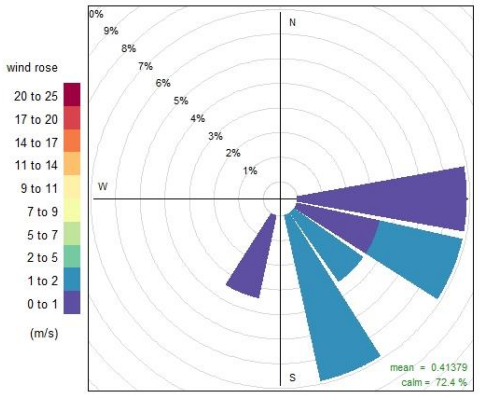
Speed / Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11												
12-33												
34-56												
57-78												
79-101												
102-123												
124-146												
147-168												
168-191												
192-213												
214-236												
237-258				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

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

Srinagar January 850 hPa level

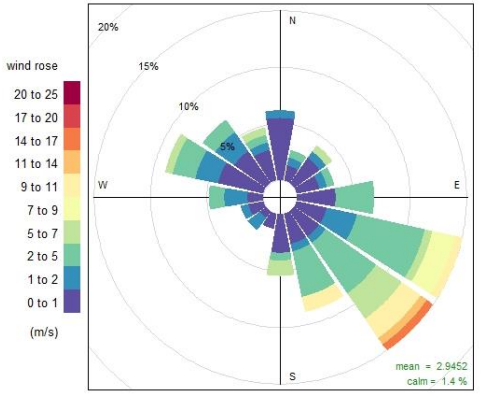
Speed / Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11		0	0	0	0	0	0	0	0	0	0	0
12-33		0	0	0	0	0	0	0	0	0	0	0
34-56		0	0	0	0	0	0	0	0	0	0	0
57-78		0	0	0	0	0	0	0	0	0	0	0
79-101		6.9	0	0	0	0	0	0	0	0	0	0
102-123		3.4	3.4	0	0	0	0	0	0	0	0	0
124-146		0	3.4	0	0	0	0	0	0	0	0	0
147-168	72	0	6.9	0	0	0	0	0	0	0	0	0
168-191		0	0	0	0	0	0	0	0	0	0	0
192-213		3.4	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



Frequency of counts by wind direction (%)

Srinagar January 700 hPa level

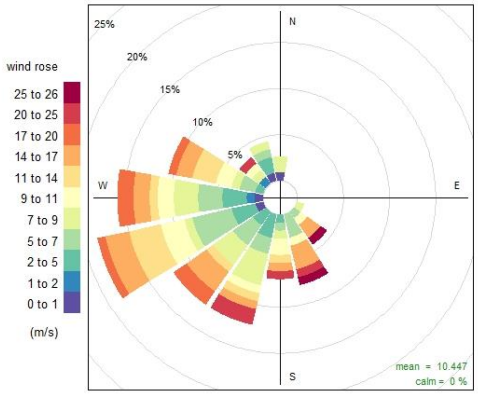
Speed / Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11		5.5	0.7	0	0	0	0	0	0	0	0	0
12-33		1.4	0.7	0.7	0	0	0	0	0	0	0	0
34-56		2.7	0.7	0	0.7	0	0	0	0	0	0	0
57-78		2.1	0.7	0.7	0	0	0	0	0	0	0	0
79-101		3.4	0	3.4	0	0	0	0	0	0	0	0
102-123		2.7	2.7	6.2	0.7	2.1	0.7	0	0	0	0	0
124-146		2.7	0.7	5.5	2.7	0	2.1	0.7	0.7	0	0	0
147-168		2.7	0.7	4.1	0	0	1.4	0	0	0	0	0
168-191	1	3.4	0	0.7	1.4	0	0	0	0	0	0	0
192-213		1.4	0	0	0	0	0	0	0	0	0	0
214-236		0.7	1.4	0	0	0	0	0	0	0	0	0
237-258		1.4	0.7	0	0	0	0	0	0	0	0	0
259-281		1.4	2.1	1.4	0	0	0	0	0	0	0	0
282-303		4.1	2.1	2.1	0.7	0	0	0	0	0	0	0
304-326		3.4	2.1	1.4	0	0	0	0	0	0	0	0
327-348		2.7	0.7	0.7	0.7	0	0	0	0	0	0	0



Frequency of counts by wind direction (%)

Srinagar January 500 hPa level

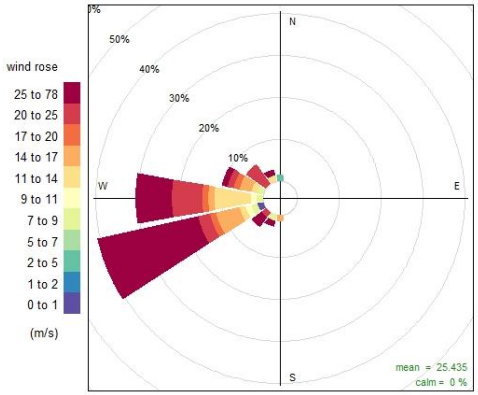
Speed / Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11		0.9	0	0	0	1.8	0	0	0	0	0	0
12-33		0	0	0	0	0	0	0	0	0	0	0
34-56		0	0	0	0	0	0	0	0	0	0	0
57-78		0	0	0	0	0	0	0	0	0	0	0
79-101		0	0	0	0	0	0	0	0	0	0	0
102-123		0	0	0	0	0.9	0	0	0	0	0	0
124-146		0	0	0	0.9	0	0.9	0	1.8	0	0	0.9
147-168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



Frequency of counts by wind direction (%)

Srinagar January 300 hPa level

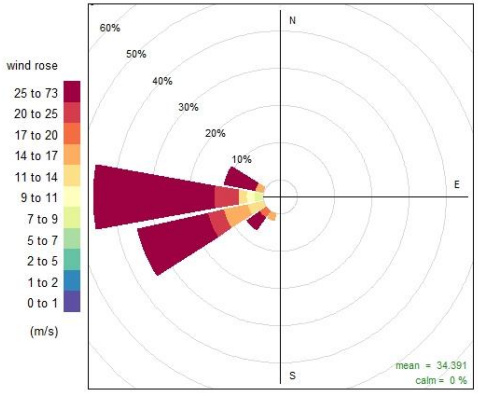
Speed / Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11		0	0	1.4	0	0	0	0	0	0	0	0
12-33		0	0	0	0	0	0	0	0	0	0	0
34-56		0	0	0	0	0	0	0	0	0	0	0
57-78		0	0	0	0	0	0	0	0	0	0	0
79-101		0	0	0	0	0	0	0	0	0	0	0
102-123		0	0	0	0	0	0	0	0	0	0	0
124-146		0	0	0	0	0	0	0	0	0	0	0
147-168		0	0	0	0	0	0	0	0	0	0	0
168-191	0	0	0	0	0	0	0	0	1.4	0	0	0
192-213		0	0	0	0	1.4	0	0	0	0	0	1.4
214-236		0	0	0	0	0	0	0	0	0	1.4	2.9
237-258		1.4	0	0	0	1.4	1.4	1.4	5.8	1.4	2.9	24.6
259-281		0	0	0	0	1.4	1.4	8.7	1.4	1.4	7.2	8.7
282-303		0	0	0	0	1.4	0	1.4	2.9	1.4	1.4	1.4
304-326		0	0	0	0	0	0	0	0	0	5.8	0
327-348		0	0	0	0	0	0	1.4	0	0	0	1.4



Frequency of counts by wind direction (%)

Srinagar January 200 hPa level

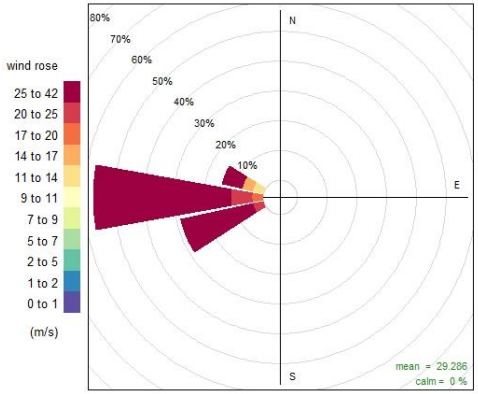
Speed / Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11		0	0	0	0	0	0	0	0	0	0	0
12-33		0	0	0	0	0	0	0	0	0	0	0
34-56		0	0	0	0	0	0	0	0	0	0	0
57-78		0	0	0	0	0	0	0	0	0	0	0
79-101		0	0	0	0	0	0	0	0	0	0	0
102-123		0	0	0	0	0	0	0	0	0	0	0
124-146		0	0	0	0	0	0	0	0	0	0	0
147-168		0	0	0	0	0	0	0	0	0	0	0
168-191	0	0	0	0	0	0	0	0	0	0	0	0
192-213		0	0	0	0	0	0	0	2.2	0	0	0
214-236		0	0	0	0	0	0	0	0	2.2	0	4.3
237-258		0	0	0	0	0	0	4.3	6.5	0	4.3	19.6
259-281		0	0	0	0	2.2	2.2	2.2	0	0	6.5	32.6
282-303		0	0	0	0	0	0	0	2.2	0	0	8.7
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



Frequency of counts by wind direction (%)

Srinagar 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	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	3.6	25
259-281		0	0	0	0	0	0	0	0	3.6	7.1	46.4
282-303		0	0	0	0	0	0	3.6	3.6	0	0	7.1
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



Frequency of counts by wind direction (%)

Srinagar February 1000 hPa level

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

Srinagar February 925 hPa level

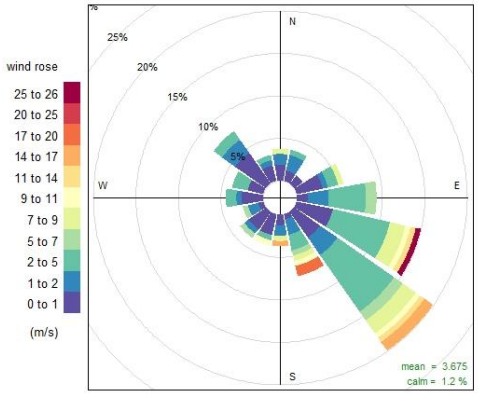
Speed / Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11												
12-33												
34-56												
57-78												
79-101												
102-123												
124-146												
147-168												
168-191												
192-213												
214-236												
237-258				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

Srinagar February 850 hPa level

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

Srinagar February 700 hPa level

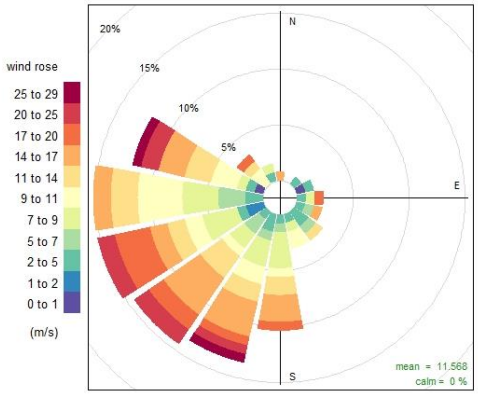
Speed / Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11		1.9	1.2	0	0	0.6	0	0	0	0	0	0
12-33		1.2	1.9	0.6	0	0	0	0	0	0	0	0
34-56		1.2	0	0	0	0	0	0	0	0	0	0
57-78		3.1	0.6	1.2	0	0.6	0	0	0	0	0	0
79-101		1.2	2.5	4.4	1.2	0	0	0	0	0	0	0
102-123		4.4	0	6.9	0	1.9	0.6	0.6	0	0	0	0.6
124-146		3.8	2.5	8.1	1.2	1.9	0.6	0.6	1.2	0	0	0
147-168		0.6	1.2	1.9	0.6	0.6	0.6	0	0	0.6	0	0
168-191	1	1.2	1.9	0	0	0.6	0	0	0.6	0.6	0	0
192-213		2.5	0	0.6	0	0	0.6	0	0	0	0	0
214-236		2.5	0.6	0	0.6	0	0	0	0	0	0	0
237-258		0.6	1.2	0	0.6	0	0	0	0	0	0	0
259-281		2.5	0.6	1.2	0	0	0	0	0	0	0	0
282-303		1.9	0	1.9	0	0	0	0	0	0	0	0
304-326		4.4	1.9	1.2	0	0	0	0	0	0	0	0
327-348		1.9	0.6	0.6	0	0	0	0	0	0	0	0



Frequency of counts by wind direction (%)

Srinagar February 500 hPa level

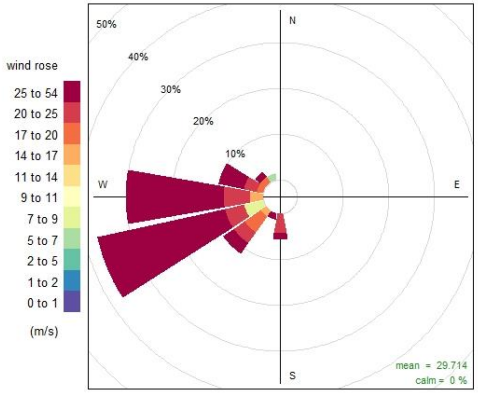
Speed / Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11		0	0	0	0	0	0	0	0.8	0	0	0
12-33		0	0	0	0	0	0	0	0	0	0	0
34-56		0	0	0.8	0	0	0	0	0	0	0	0
57-78		0.8	0	0.8	0	0	0	0	0	0	0	0
79-101		0	0	0.8	0	0.8	0	0	0	0.8	0	0
102-123		0	0	0.8	0.8	0	0	0	0.8	0	0	0
124-146		0	0	1.6	0.8	0	0	0.8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



Frequency of counts by wind direction (%)

Srinagar February 300 hPa level

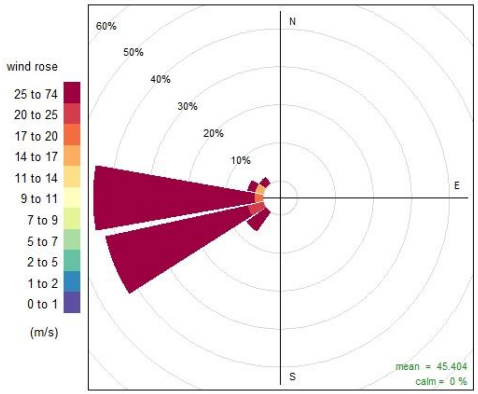
Speed / Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11		0	0	0	0	0	0	0	0	0	0	0
12-33		0	0	0	0	0	0	0	0	0	0	0
34-56		0	0	0	0	0	0	0	0	0	0	0
57-78		0	0	0	0	0	0	0	0	0	0	0
79-101		0	0	0	0	0	0	0	0	0	0	0
102-123		0	0	0	0	0	0	0	0	0	0	0
124-146		0	0	0	0	0	0	0	0	0	0	0
147-168	0	0	0	0	0	0	0	0	0	0	0	0
168-191		0	0	0	0	0	0	0	0	0	4.3	1.4
192-213		0	0	0	0	0	0	0	0	0	0	1.4
214-236		0	0	0	0	0	0	0	1.4	4.3	2.9	2.9
237-258		0	0	0	0	4.3	0	0	0	0	4.3	28.6
259-281		0	0	0	0	0	0	0	2.9	0	5.7	21.4
282-303		0	0	0	0	0	0	0	0	1.4	2.9	5.7
304-326		0	0	0	0	0	0	0	0	1.4	0	1.4
327-348		0	0	0	1.4	0	0	0	0	0	0	0



Frequency of counts by wind direction (%)

Srinagar February 200 hPa level

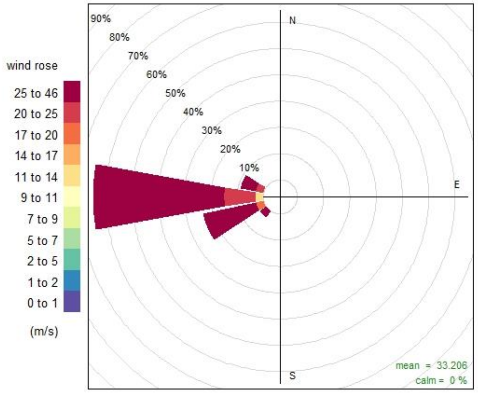
Speed / Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11		0	0	0	0	0	0	0	0	0	0	0
12-33		0	0	0	0	0	0	0	0	0	0	0
34-56		0	0	0	0	0	0	0	0	0	0	0
57-78		0	0	0	0	0	0	0	0	0	0	0
79-101		0	0	0	0	0	0	0	0	0	0	0
102-123		0	0	0	0	0	0	0	0	0	0	0
124-146		0	0	0	0	0	0	0	0	0	0	0
147-168		0	0	0	0	0	0	0	0	0	0	0
168-191	0	0	0	0	0	0	0	0	0	0	0	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	6.4
237-258		0	0	0	0	0	0	0	0	0	4.3	38.3
259-281		0	0	0	0	0	0	0	0	2.1	0	42.6
282-303		0	0	0	0	0	0	0	2.1	0	0	2.1
304-326		0	0	0	0	0	0	0	0	0	0	2.1
327-348		0	0	0	0	0	0	0	0	0	0	0



Frequency of counts by wind direction (%)

Srinagar 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
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	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	2.9
237-258		0	0	0	0	0	0	0	0	2.9	0	20.6
259-281		0	0	0	0	0	0	2.9	0	0	11.8	50
282-303		0	0	0	0	0	0	0	0	0	2.9	5.9
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



Frequency of counts by wind direction (%)

Srinagar March 1000 hPa level

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

Srinagar March 925 hPa level

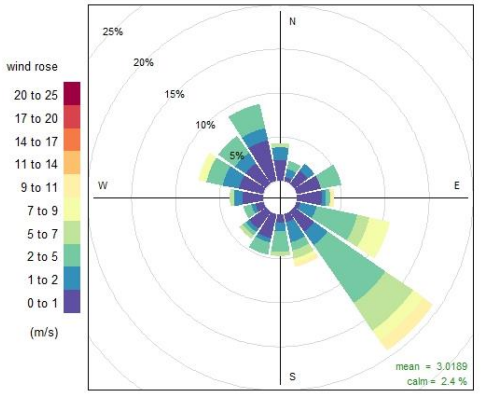
Speed / Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11												
12-33												
34-56												
57-78												
79-101												
102-123												
124-146												
147-168												
168-191												
192-213												
214-236												
237-258				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

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

Srinagar March 700 hPa level

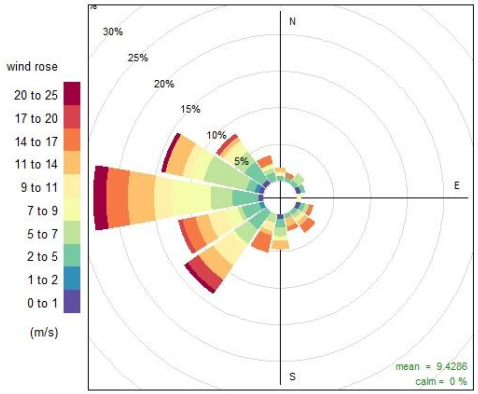
Speed / Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11		2.4	1.4	0	0.5	0	0	0	0	0	0	0
12-33		0.5	0.9	0.9	0	0	0	0	0	0	0	0
34-56		1.9	0.9	0	0	0	0	0	0	0	0	0
57-78		2.8	0	2.4	0	0	0	0	0	0	0	0
79-101		2.8	0.5	0.5	0	0	0.5	0	0	0	0	0
102-123		0.5	1.9	4.7	1.4	2.4	0	0	0	0	0	0
124-146		2.8	1.9	8	3.8	1.4	1.4	0	0	0	0	0
147-168	2	0.9	1.9	0.9	0.9	0.5	0.5	0	0	0	0	0
168-191		0.9	1.4	2.4	0.5	0	0	0	0	0	0	0
192-213		2.8	0.5	1.4	0	0	0	0	0	0	0	0
214-236		2.4	0.5	0.5	0.5	0	0	0	0	0	0	0
237-258		0.9	0.5	0.9	0	0	0	0	0	0	0	0
259-281		2.4	0.9	0	0.5	0	0	0	0	0	0	0
282-303		2.8	1.9	1.9	0	0.9	0	0	0	0	0	0
304-326		2.8	1.4	2.4	0	0	0	0	0	0	0	0
327-348		4.7	1.4	2.8	0	0	0	0	0	0	0	0



Frequency of counts by wind direction (%)

Srinagar March 500 hPa level

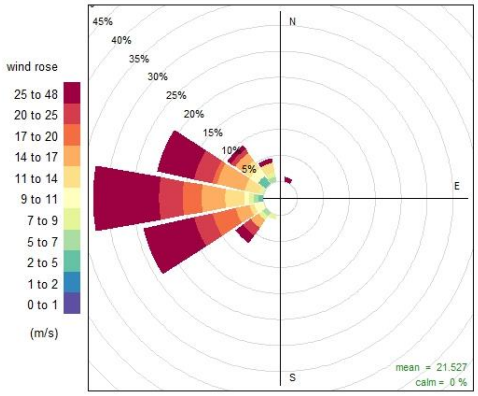
Speed / Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11		0	0	0.6	0	0	0.6	0.6	0	0	0	0
12-33		0	0	0.6	0	0	0	0	0.6	0	0	0
34-56		0	0	0.6	1.2	0	0	0	0	0	0	0
57-78		0.6	0	0.6	0	0	0	0	0	0	0	0
79-101		0	0	0	0	0.6	0	0	0	0	0	0
102-123		0.6	0	0.6	0.6	0	0	0	0.6	0	0	0
124-146		0	0	0.6	0.6	0	0.6	0.6	1.2	0	0	0
147-168	0	0	0	0.6	0	0	0	1.2	0.6	0	0	0
168-191		0.6	0	1.2	1.2	0.6	0	1.2	0	0	0	0
192-213		0	0	0	1.2	0	1.2	0.6	2.4	0	0	0
214-236		0	0	3	2.4	0.6	3	2.4	0	1.8	0.6	0
237-258		0	0.6	2.4	0.6	1.8	2.4	1.8	1.8	0.6	0	0
259-281		0.6	0	3.6	3	5.4	2.4	3.6	3	0	1.8	0
282-303		0.6	0.6	1.2	6	1.8	1.2	2.4	0	0	0.6	0
304-326		0.6	0	3	1.8	1.2	0.6	0.6	0	0.6	0	0
327-348		0	0	1.2	0.6	0.6	0	0	1.2	0	0	0



Frequency of counts by wind direction (%)

Srinagar March 300 hPa level

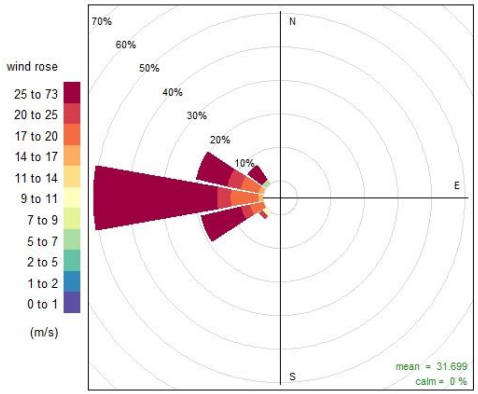
Speed / Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11		0	0	0	0	0	0	0	0	0	0	0
12-33		0	0	0	0	0	0	0	0	0	0	0.9
34-56		0	0	0	0	0	0	0	0	0	0	0
57-78		0	0	0	0	0	0	0	0	0	0	0
79-101		0	0	0	0	0	0	0	0	0	0	0
102-123		0	0	0	0	0	0	0	0	0	0	0
124-146		0	0	0	0	0	0	0	0	0	0	0
147-168	0	0	0	0	0	0	0	0	0	0	0	0
168-191		0	0	0	0	0	0	0	0	0	0	0
192-213		0	0	0	0	0.9	0	0	0	0	0	0
214-236		0	0	0	0.9	0.9	0	0	1.8	0	1.8	1.8
237-258		0	0	0	0	0	1.8	0.9	2.7	4.5	3.6	10
259-281		0	0	0.9	0.9	0.9	0.9	3.6	4.5	3.6	4.5	12.7
282-303		0	0	0	0	0.9	0	2.7	5.5	0.9	3.6	7.3
304-326		0	0	1.8	0	0	1.8	1.8	1.8	0	0.9	0.9
327-348		0	0	0	0.9	0.9	0	1.8	0	0	0	0.9



Frequency of counts by wind direction (%)

Srinagar March 200 hPa level

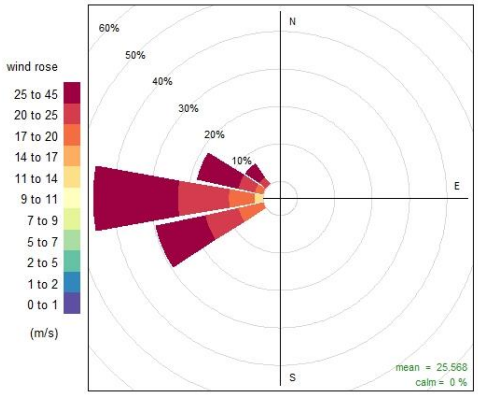
Speed / Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11		0	0	0	0	0	0	0	0	0	0	0
12-33		0	0	0	0	0	0	0	0	0	0	0
34-56		0	0	0	0	0	0	0	0	0	0	0
57-78		0	0	0	0	0	0	0	0	0	0	0
79-101		0	0	0	0	0	0	0	0	0	0	0
102-123		0	0	0	0	0	0	0	0	0	0	0
124-146		0	0	0	0	0	0	0	0	0	0	0
147-168		0	0	0	0	0	0	0	0	0	0	0
168-191	0	0	0	0	0	0	0	0	0	0	0	0
192-213		0	0	0	0	0	0	0	0	0	0	0
214-236		0	0	0	0	0	1.4	0	0	0	1.4	0
237-258		0	0	0	0	0	0	0	0	4.1	2.7	12.3
259-281		0	0	0	0	0	0	0	1.4	8.2	4.1	37
282-303		0	0	0	0	0	0	0	1.4	5.5	4.1	9.6
304-326		0	0	0	1.4	0	0	0	0	0	0	5.5
327-348		0	0	0	0	0	0	0	0	0	0	0



Frequency of counts by wind direction (%)

Srinagar March 100 hPa level

Speed / Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11		0	0	0	0	0	0	0	0	0	0	0
12-33		0	0	0	0	0	0	0	0	0	0	0
34-56		0	0	0	0	0	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	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	6.8	9.1	13.6
259-281		0	0	0	0	0	0	2.3	0	6.8	13.6	22.7
282-303		0	0	0	0	0	0	0	0	2.3	4.5	11.4
304-326		0	0	0	0	0	0	0	0	0	2.3	4.5
327-348		0	0	0	0	0	0	0	0	0	0	0



Frequency of counts by wind direction (%)

Srinagar April 1000 hPa level

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

Srinagar April 925 hPa level

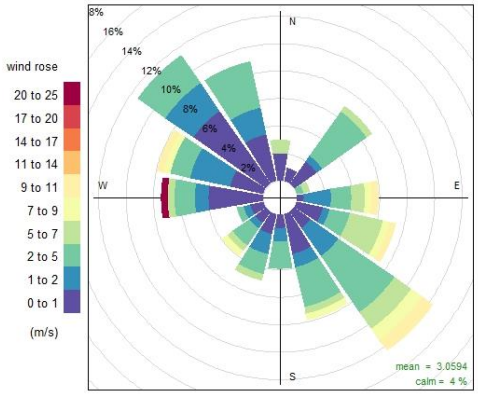
Speed / Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11												
12-33												
34-56												
57-78												
79-101												
102-123												
124-146												
147-168												
168-191												
192-213												
214-236												
237-258				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

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

Srinagar April 700 hPa level

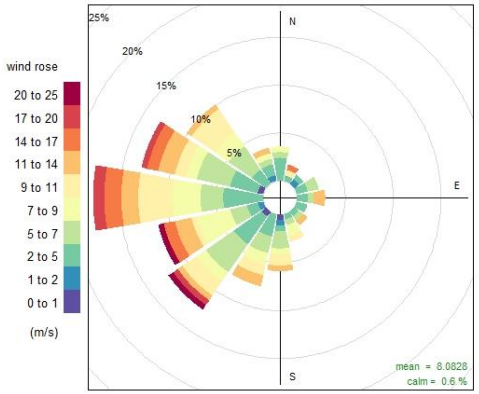
Speed / Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11		2	0	0	1	0	0	0	0	0	0	0
12-33		1	0	0	0	0	0	0	0	0	0	0
34-56		2	0.5	4	0.5	0	0	0	0	0	0	0
57-78		0	0	0.5	0.5	0	0	0	0	0	0	0
79-101		0.5	2	1.5	1	0.5	0.5	0	0	0	0	0
102-123		2	0.5	1.5	2.5	0.5	0.5	0	0	0	0	0
124-146		1.5	2.5	5	1.5	1	1	0	0	0	0	0
147-168		3	1	2	0.5	0.5	0	0	0	0	0	0
168-191	4	1	1	3	0	0	0	0	0	0	0	0
192-213		1.5	1.5	1.5	0.5	0	0	0	0	0	0	0
214-236		1	0.5	1.5	0.5	0.5	0	0	0	0	0	0
237-258		1	0.5	0.5	0	0	0	0	0	0	0	0
259-281		4	1	1.5	0.5	0	0	0	0	0	0.5	0
282-303		2.5	3	1.5	0	0.5	0.5	0	0	0	0	0
304-326		6.4	2.5	2.5	0	0	0	0	0	0	0	0
327-348		3.5	2	3.5	0	0	0	0	0	0	0	0



Frequency of counts by wind direction (%)

Srinagar April 500 hPa level

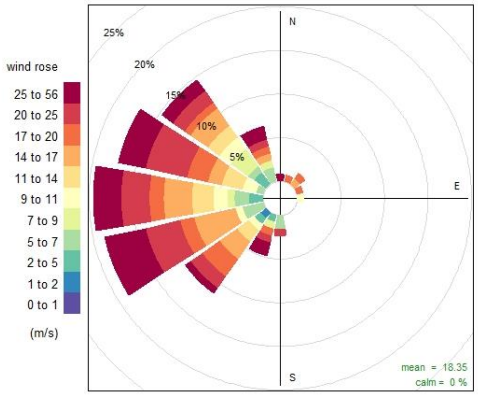
Speed / Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11		0	0	2.4	0.6	0.6	0	0	0	0	0	0
12-33		0	0	0.6	0	0	0.6	0	0.6	0	0	0
34-56		0	0.6	0.6	0	0	0	0	0	0	0	0
57-78		0	0	1.2	1.2	0	0	0	0	0	0	0
79-101		0	0	1.2	0.6	0	0	1.2	0	0	0	0
102-123		0	0	1.2	0	0	0	0	0	0	0	0
124-146		0	0	0.6	0.6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



Frequency of counts by wind direction (%)

Srinagar April 300 hPa level

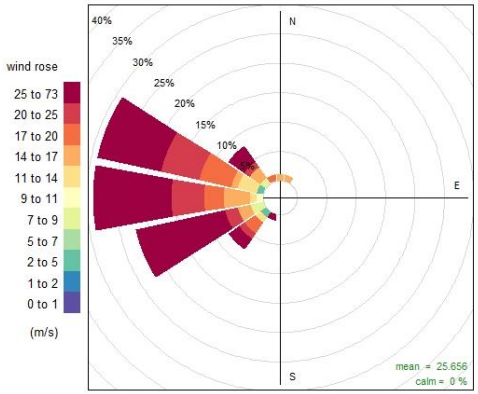
Speed / Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11		0	0	0	0	0	0	0	0	0	0	0.8
12-33		0	0	0	0	0	0	0	0	0.8	0	0
34-56		0	0	0	0	0	0	0	0.8	0.8	0	0
57-78		0	0	0	0	0	0	0	0	0.8	0	0
79-101		0	0	0	0	0	0.8	0	0	0	0	0
102-123		0	0	0	0	0	0	0	0	0	0	0
124-146		0	0	0	0	0	0	0	0	0	0	0
147-168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



Frequency of counts by wind direction (%)

Srinagar April 200 hPa level

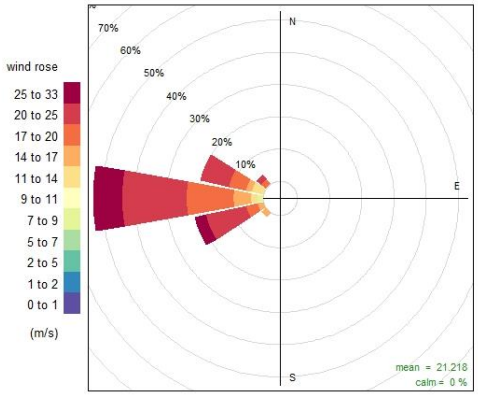
Speed / Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11		0	0	0	0	0	0	0	1.1	0	0	0
12-33		0	0	0	0	0	0	0	1.1	0	0	0
34-56		0	0	0	0	0	0	0	0	0	0	0
57-78		0	0	0	0	0	0	0	0	0	0	0
79-101		0	0	0	0	0	0	0	0	0	0	0
102-123		0	0	0	0	0	0	0	0	0	0	0
124-146		0	0	0	0	0	0	0	0	0	0	0
147-168		0	0	0	0	0	0	0	0	0	0	0
168-191	0	0	0	0	0	0	0	0	0	0	0	0
192-213		0	0	0	0	0	0	0	0	0	0	1.1
214-236		0	0	1.1	0	0	0	1.1	0	2.2	1.1	2.2
237-258		0	0	0	0	2.2	0	0	2.2	0	2.2	15.6
259-281		0	0	0	0	0	1.1	1.1	4.4	3.3	5.6	13.3
282-303		0	0	1.1	0	0	0	3.3	1.1	5.6	6.7	11.1
304-326		0	0	0	0	1.1	0	0	2.2	0	1.1	3.3
327-348		0	0	0	0	0	0	0	0	1.1	0	0



Frequency of counts by wind direction (%)

Srinagar April 100 hPa level

Speed / Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11		0	0	0	0	0	0	0	0	0	0	0
12-33		0	0	0	0	0	0	0	0	0	0	0
34-56		0	0	0	0	0	0	0	0	0	0	0
57-78		0	0	0	0	0	0	0	0	0	0	0
79-101		0	0	0	0	0	0	0	0	0	0	0
102-123		0	0	0	0	0	0	0	0	0	0	0
124-146		0	0	0	0	0	0	0	0	0	0	0
147-168		0	0	0	0	0	0	0	0	0	0	0
168-191	0	0	0	0	0	0	0	0	0	0	0	0
192-213		0	0	0	0	0	0	0	0	0	0	0
214-236		0	0	0	0	0	0	0	1.8	0	0	0
237-258		0	0	0	0	0	0	0	1.8	3.6	12.7	3.6
259-281		0	0	0	0	1.8	0	1.8	5.5	14.5	20	9.1
282-303		0	0	0	0	0	0	3.6	1.8	5.5	9.1	0
304-326		0	0	0	0	0	0	0	0	1.8	1.8	0
327-348												



Frequency of counts by wind direction (%)

Srinagar **May** **1000 hPa level**

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

Srinagar **May** **925 hPa level**

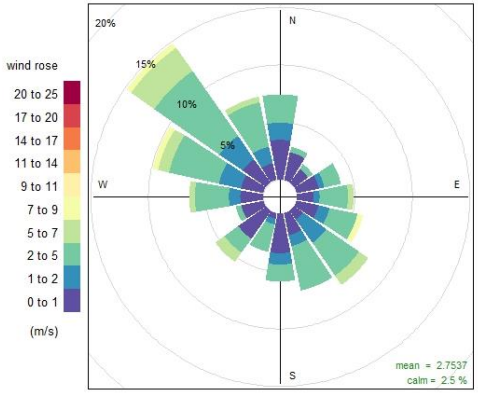
Speed / Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11												
12-33												
34-56												
57-78												
79-101												
102-123												
124-146												
147-168												
168-191												
192-213												
214-236												
237-258				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

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

Srinagar May 700 hPa level

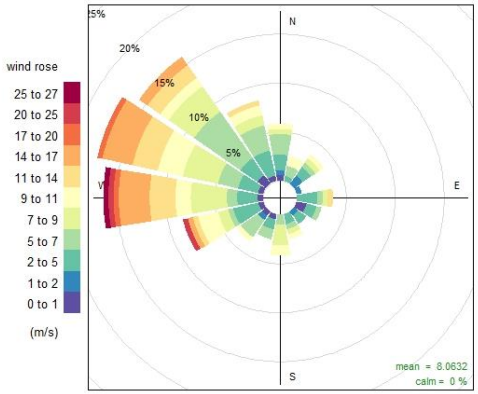
Speed / Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11		3.4	1.5	2.5	0	0	0	0	0	0	0	0
12-33		2.5	0	0.5	0	0	0	0	0	0	0	0
34-56		1.5	0	0.5	0	0	0	0	0	0	0	0
57-78		2	0.5	1.5	0	0	0	0	0	0	0	0
79-101		1.5	0.5	2.5	0.5	0	0	0	0	0	0	0
102-123		2	1	2.5	0	0.5	0	0	0	0	0	0
124-146		1	2.5	3.4	1	0	0	0	0	0	0	0
147-168		2	1	3.9	0	0	0	0	0	0	0	0
168-191	2	3.4	1	1.5	0	0	0	0	0	0	0	0
192-213		0.5	0.5	2.5	0	0	0	0	0	0	0	0
214-236		3	0	1.5	1	0	0	0	0	0	0	0
237-258		2	0	0.5	0	0	0	0	0	0	0	0
259-281		2	1	3	0.5	0	0	0	0	0	0	0
282-303		2	2	4.4	1	0.5	0	0	0	0	0	0
304-326		2.5	2.5	6.9	2.5	0.5	0	0	0	0	0	0
327-348		1.5	1.5	3.9	0.5	0	0	0	0	0	0	0



Frequency of counts by wind direction (%)

Srinagar May 500 hPa level

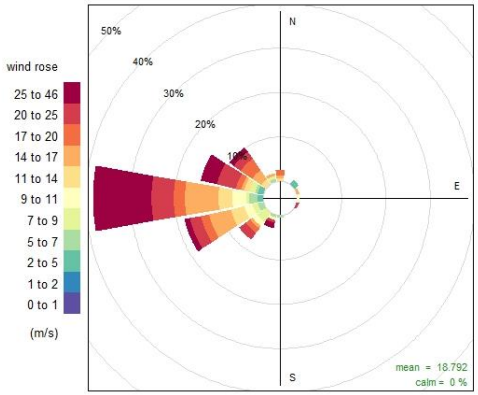
Speed / Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11		0.5	0.5	1.6	2.1	0.5	0.5	0	0	0	0	0
12-33		0	0	0.5	1.1	0	1.1	0	0	0	0	0
34-56		0	1.1	1.1	0.5	0.5	0.5	0	0	0	0	0
57-78		0	0.5	0	0	0	0	0	0	0	0	0
79-101		0	0	2.1	0.5	0.5	0	0.5	0	0	0	0
102-123		1.1	0	1.1	0.5	0	0	0	0	0	0	0
124-146		0	0.5	1.1	0	0	0	0	0	0	0	0
147-168	0	0	0	1.1	0.5	0.5	0.5	0	0	0	0	0
168-191		0	0	0	1.1	2.1	1.1	0	0	0	0	0
192-213		0.5	0	1.1	1.1	0	0	0	0	0	0	0
214-236		0.5	0.5	0	2.1	0	0.5	0	0	0	0	0
237-258		0.5	0	2.6	0.5	1.1	2.1	0.5	0.5	0	0.5	0
259-281		0.5	0	2.1	1.1	3.7	1.6	2.6	3.2	0.5	0.5	0.5
282-303		0.5	0	2.1	2.1	3.7	2.6	2.6	3.2	0.5	0	0
304-326		1.1	0	2.1	5.8	3.2	1.1	1.6	1.1	0	0	0
327-348		0.5	0	2.6	2.6	1.1	1.1	0.5	0	0	0	0



Frequency of counts by wind direction (%)

Srinagar May 300 hPa level

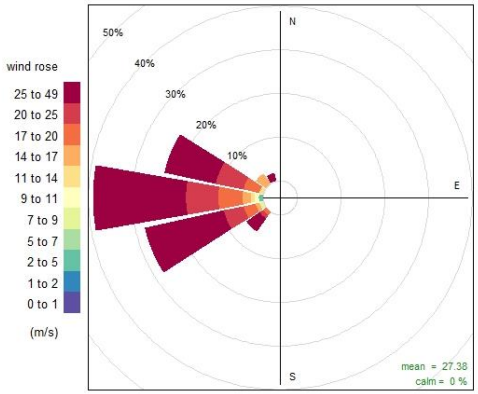
Speed / Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11		0	0	0	0	0	0	0.6	0.6	1.3	0	0
12-33		0	0	0	0	0	0	0	0	0	0	0
34-56		0	0	1.3	0	0	0	0	0	0	0	0
57-78		0	0	0	0	0	0	0	0.6	0	0	0
79-101		0	0	0	0	0	0.6	0	0	0	0	0
102-123		0	0	0	0	0	0	0	0	0	0.6	0
124-146		0	0	0	0	0	0	0	0	0	0	0
147-168	0	0	0	0	0	0	0	0	0	0	0	0
168-191		0	0	0	0.6	0	0	0	0	0	0	0
192-213		0	0	0	0.6	0	0.6	0	0	0	0.6	1.3
214-236		0	0	0	0	2.5	1.3	0	0.6	1.3	1.9	0
237-258		0	0	0	1.3	1.3	1.9	3.1	5	1.9	2.5	1.3
259-281		0	0	1.3	1.9	0.6	3.1	3.1	7.5	2.5	5	13.2
282-303		0	0	1.3	0.6	1.3	0	1.3	0.6	1.3	4.4	3.8
304-326		0	0	0	0	0	0	1.3	2.5	3.1	1.9	1.3
327-348		0	0	0	0.6	0.6	0	0	0.6	0	0	0



Frequency of counts by wind direction (%)

Srinagar May 200 hPa level

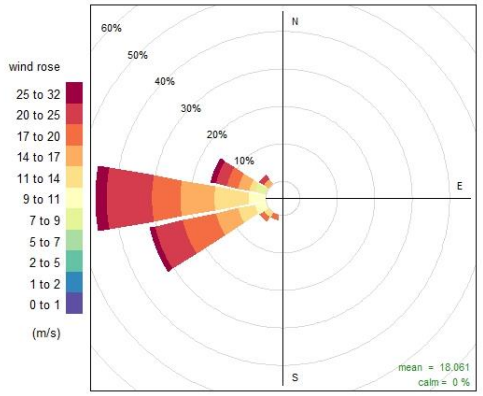
Speed / Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11		0	0	0	0	0	0	0	0	0	0	0
12-33		0	0	0	0	0	0	0	0	0	0	0
34-56		0	0	0	0	0	0	0	0	0	0	0
57-78		0	0	0	0	0	0	0	0	0	0	0
79-101		0	0	0	0	0	0	0	0	0	0	0
102-123		0	0	0	0	0	0	0	0	0	0	0
124-146		0	0	0	0	0	0	0	0	0	0	0
147-168		0	0	0	0	0	0	0	0	0	0	0
168-191	0	0	0	0	0	0	0	0	0	0	0	0
192-213		0	0	0	0	0	0	0	0	0	0	0
214-236		0	0	0	0	0	0	0	0	0.9	0.9	3.7
237-258		0	0	0	0	0.9	0	0	0.9	2.8	4.6	18.5
259-281		0	0	0.9	0	0	0.9	0.9	1.9	5.6	7.4	21.3
282-303		0	0	0	0	0	0	0.9	0	3.7	6.5	12
304-326		0	0	0	0	0	0	0	2.8	0	0	0
327-348		0	0	0	0	0	0	0	0	0	0	1.9



Frequency of counts by wind direction (%)

Srinagar 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	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	0
192-213		0	0	0	0	0	0	0	0	1.5	0	0
214-236		0	0	0	0	0	0	1.5	0	1.5	0	0
237-258		0	0	0	0	0	3	4.5	6.1	9.1	7.6	1.5
259-281		0	0	0	0	0	4.5	9.1	9.1	7.6	12.1	3
282-303		0	0	0	0	3	0	1.5	3	3	3	1.5
304-326		0	0	0	0	0	0	0	1.5	0	1.5	0
327-348		0	0	0	0	0	0	0	0	0	0	0



Frequency of counts by wind direction (%)

Srinagar June 1000 hPa level

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

Srinagar June 925 hPa level

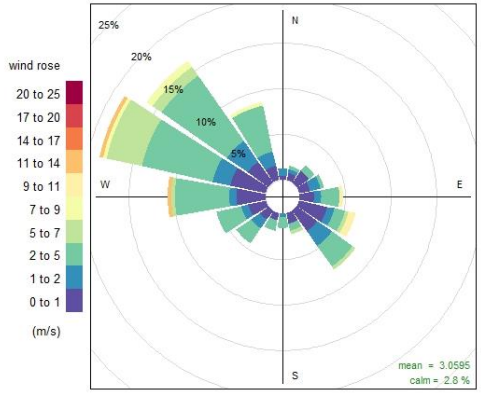
Speed / Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11												
12-33												
34-56												
57-78												
79-101												
102-123												
124-146												
147-168												
168-191												
192-213												
214-236												
237-258				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

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

Srinagar June 700 hPa level

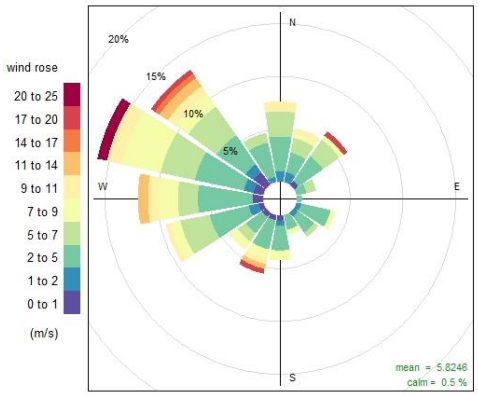
Speed / Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11		0.4	0.8	0	0	0	0	0	0	0	0	0
12-33		0.8	0.4	0.4	0	0	0	0	0	0	0	0
34-56		1.6	0	0.8	0	0	0	0	0	0	0	0
57-78		1.2	1.2	0.4	0	0	0	0	0	0	0	0
79-101		1.6	0.8	2	0	0	0.4	0	0	0	0	0
102-123		3.2	0.8	1.2	0.4	0	0.8	0	0	0	0	0
124-146		2.8	2	2.8	0.4	0	0	0	0	0	0	0
147-168	3	1.2	0	0.8	0.4	0	0	0	0	0	0	0
168-191		0	0.4	1.2	0	0	0	0	0	0	0	0
192-213		0.8	0	1.2	0	0	0	0	0	0	0	0
214-236		1.2	1.2	2	0	0	0	0	0	0	0	0
237-258		2	0.8	2.8	0	0	0	0	0	0	0	0
259-281		3.2	0.8	6	0.4	0	0	0.4	0	0	0	0
282-303		4	2	7.9	4	0.4	0	0.4	0	0	0	0
304-326		2.8	2.8	8.7	1.2	0.8	0	0	0	0	0	0
327-348		1.6	1.6	5.2	0	0.4	0	0	0	0	0	0



Frequency of counts by wind direction (%)

Srinagar June 500 hPa level

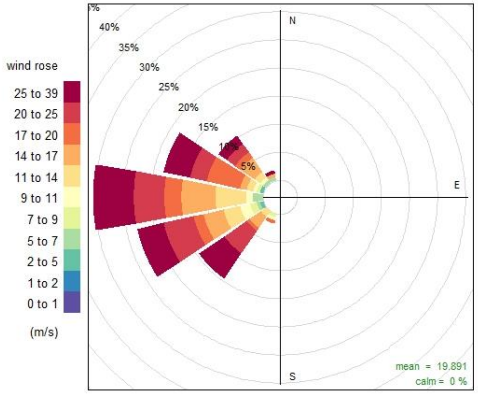
Speed / Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11		0	0.9	3.3	2.4	0	0.9	0	0	0	0	0
12-33		0	0.9	1.9	1.4	0.5	0.5	0	0	0	0	0
34-56		0.5	0	2.8	1.9	0.5	0	0	0	0.5	0	0
57-78		0	0	0.9	0.9	0	0	0	0	0	0	0
79-101		0	0	0.5	0	0	0	0	0	0	0	0
102-123		0	0.5	2.8	0	0.5	0	0	0	0	0	0
124-146		0	0.5	1.9	0.5	0	0	0	0	0	0	0
147-168	0	0	0	1.4	0	0.5	0	0	0	0	0	0
168-191		0.5	0.5	2.4	0	0.9	0	0	0	0	0	0
192-213		0.5	0	2.8	0	0.9	0.5	0.5	0	0.5	0	0
214-236		0.5	0	1.9	0.9	0.9	0	0	0	0	0	0
237-258		0.5	0.9	3.8	2.8	0.9	0.5	0	0	0	0	0
259-281		0.9	0	5.2	1.9	1.9	0.9	0.9	0	0	0	0
282-303		0.9	0.9	4.7	3.3	3.8	1.4	0	0	0	0.9	0
304-326		1.4	0.9	3.3	3.3	1.4	0.9	0.9	0.5	0.5	0	0
327-348		0	0.5	3.3	0.9	0	0	0	0	0	0	0



Frequency of counts by wind direction (%)

Srinagar June 300 hPa level

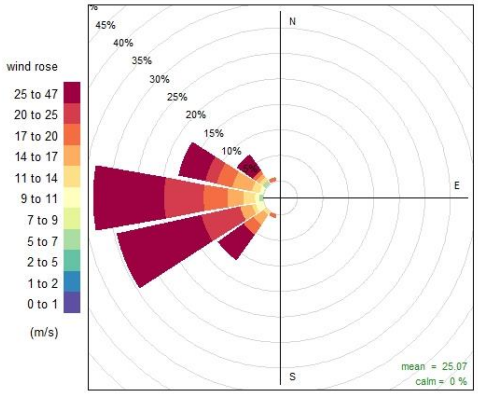
Speed / Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11		0	0	0	0	0	0	0	0	0	0	0
12-33		0	0	0	0	0	0	0	0	0	0	0
34-56		0	0	0	0	0	0	0	0	0	0	0
57-78		0	0	0	0	0	0	0	0	0	0	0
79-101		0	0	0	0	0	0	0	0	0	0	0
102-123		0	0	0	0	0	0	0	0	0	0	0
124-146		0	0	0	0	0	0	0	0	0	0	0
147-168	0	0	0	0	0	0	0	0	0	0	0	0
168-191		0	0	0	0	0	0	0	0	0	0	0
192-213		0	0	0	0	0.6	0.6	0	0	0.6	0	0
214-236		0	0	0	0	0	0	1.2	2.4	0.6	4.8	5.5
237-258		0	0	0.6	0.6	1.2	1.8	3	3.6	1.8	5.5	4.8
259-281		0	0	0	1.8	0	1.2	5.5	6.1	3	5.5	7.3
282-303		0	0	0.6	0	0.6	0.6	1.2	1.2	6.1	3	4.8
304-326		0	0	0	0.6	0	0.6	1.2	3	1.2	1.8	1.8
327-348		0	0	0	0.6	0	0	0	0.6	0	0	0.6



Frequency of counts by wind direction (%)

Srinagar June 200 hPa level

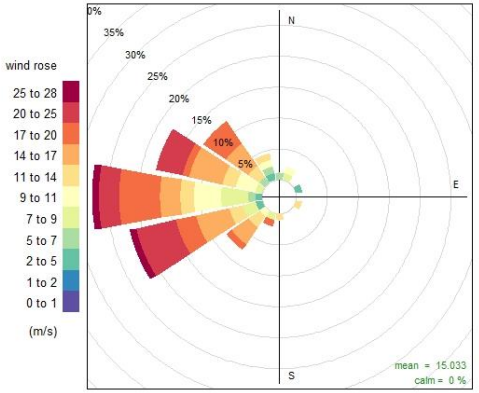
Speed / Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11		0	0	0	0	0	0	0	0	0	0	0
12-33		0	0	0	0	0	0	0	0	0	0	0
34-56		0	0	0	0	0	0	0	0	0	0	0
57-78		0	0	0	0	0	0	0	0	0	0	0
79-101		0	0	0	0	0	0	0	0	0	0	0
102-123		0	0	0	0	0	0	0	0	0	0	0
124-146		0	0	0	0	0	0	0	0	0	0	0
147-168		0	0	0	0	0	0	0	0	0	0	0
168-191	0	0	0	0	0	0	0	0	0	0	0	0
192-213		0	0	0	0	0	0	0	0	0.8	0	0
214-236		0	0	0	0	0	0	0.8	2.3	2.3	0	6.2
237-258		0	0	0	0	0	1.6	0.8	2.3	0	7.8	17.1
259-281		0	0	0	0.8	0	0.8	2.3	3.1	4.7	7.8	14
282-303		0	0	0	0	0	0.8	1.6	3.9	3.1	2.3	5.4
304-326		0	0	0	0.8	0	0	0.8	0.8	0.8	0	3.9
327-348		0	0	0	0	0	0	0	0	0.8	0	0



Frequency of counts by wind direction (%)

Srinagar June 100 hPa level

Speed / Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11		0	0	0	1.1	0	0	0	0	0	0	0
12-33		0	0	0	0	1.1	1.1	0	0	0	0	0
34-56		0	0	0	0	0	0	0	0	0	0	0
57-78		0	0	1.1	0	0	0	0	0	0	0	0
79-101		0	0	0	0	0	0	0	0	0	0	0
102-123		0	0	0	0	0	0	1.1	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	1.1	0	0	0	0
192-213		0	0	0	0	1.1	0	0	0	1.1	0	0
214-236		0	0	0	0	0	1.1	2.2	3.3	1.1	0	0
237-258		0	0	1.1	0	2.2	0	2.2	5.5	3.3	6.6	1.1
259-281		0	0	1.1	1.1	4.4	4.4	2.2	3.3	6.6	3.3	1.1
282-303		0	0	0	0	1.1	3.3	2.2	5.5	1.1	4.4	0
304-326		0	0	0	1.1	0	0	2.2	4.4	4.4	0	0
327-348		0	0	1.1	1.1	0	1.1	1.1	0	0	0	0



Frequency of counts by wind direction (%)

Srinagar July 1000 hPa level

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

Srinagar July 925 hPa level

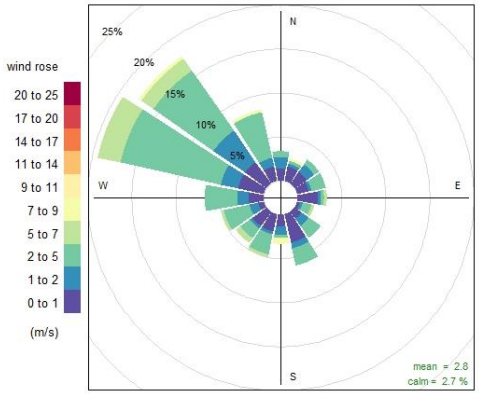
Speed / Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11												
12-33												
34-56												
57-78												
79-101												
102-123												
124-146												
147-168												
168-191												
192-213												
214-236												
237-258				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

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

Srinagar July 700 hPa level

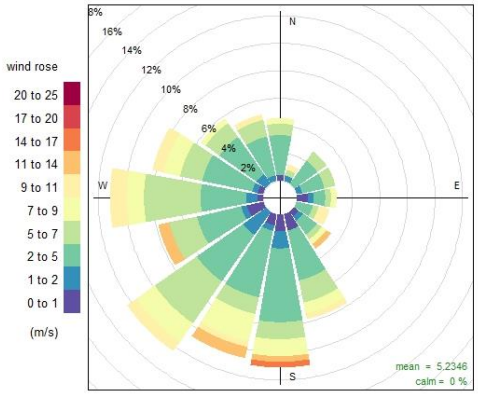
Speed / Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11		1.3	1.3	0.7	0	0	0	0	0	0	0	0
12-33		1.7	0.3	0.3	0	0.3	0	0	0	0	0	0
34-56		1.7	1	0.7	0	0	0	0	0	0	0	0
57-78		1.3	0.3	1.7	0	0	0	0	0	0	0	0
79-101		2.3	0.3	0.3	0.3	0	0	0	0	0	0	0
102-123		0.3	0.3	1	0.3	0	0	0	0	0	0	0
124-146		1	1	1.7	0	0	0	0	0	0	0	0
147-168		3	0.7	1	0	0	0	0	0	0	0	0
168-191	3	1.7	1	1.3	0	0.7	0	0	0	0	0	0
192-213		2	0.3	2.3	0.3	0	0	0	0	0	0	0
214-236		2	0.3	1.3	0.7	0	0	0	0	0	0	0
237-258		0.7	1	3	0.3	0	0	0	0	0	0	0
259-281		1.7	1.3	3.7	0	0	0	0	0	0	0	0
282-303		3	2	11.7	2.7	0	0	0	0	0	0	0
304-326		3	4.3	8.3	1.7	0.3	0	0	0	0	0	0
327-348		1.7	1	5.3	0	0.3	0	0	0	0	0	0



Frequency of counts by wind direction (%)

Srinagar July 500 hPa level

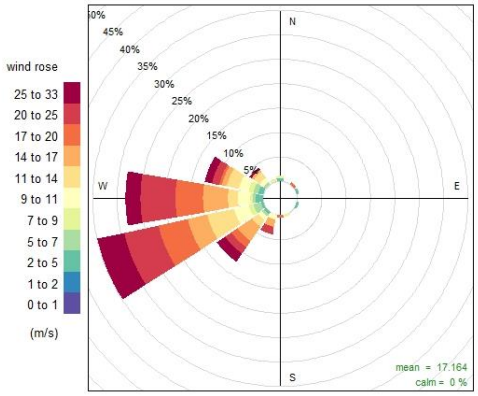
Speed / Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11		0.4	0	2.9	0.8	0.4	0	0	0	0	0	0
12-33		0	0.4	0	0.4	0	0.4	0	0	0	0	0
34-56		0	0	2.1	0.8	0	0	0	0	0	0	0
57-78		0	0.4	1.6	0.8	0	0	0	0	0	0	0
79-101		0.8	0.4	0.8	0.4	0.4	0	0	0	0	0	0
102-123		0	0	1.2	0.4	0	0.8	0	0	0	0	0
124-146		0.4	0.4	1.2	0.4	0.4	0	0.4	0	0	0	0
147-168		1.2	0	3.3	1.6	0.8	0.4	0	0	0	0	0
168-191	0	1.2	1.2	5.8	1.2	1.2	0	0.4	0.4	0	0	0
192-213		0.8	0.4	4.9	1.2	2.1	0.4	0.8	0	0	0	0
214-236		0	2.1	4.1	3.7	1.6	0.8	0	0	0	0	0
237-258		1.2	0.4	3.3	2.1	0	0	0.8	0	0	0	0
259-281		0.4	0.8	3.3	4.1	1.2	1.2	0	0	0	0	0
282-303		0.4	0.4	3.7	1.6	1.2	0.8	0	0	0	0	0
304-326		0	0.8	3.3	1.2	0.4	0	0	0	0	0	0
327-348		0	0.4	2.9	1.2	0	0.4	0	0	0	0	0



Frequency of counts by wind direction (%)

Srinagar July 300 hPa level

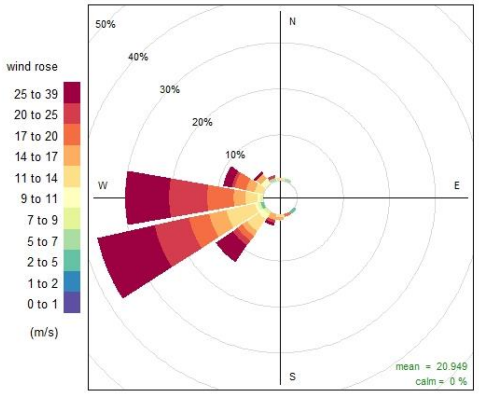
Speed / Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11		0	0	0.5	0	0.5	0	0	0	0	0	0
12-33		0	0	0	0	0	0	0	0	0	0	0
34-56		0	0	0	0	0	0	0	0	0.5	0	0
57-78		0	0	0.5	0	0	0	0	0	0	0	0
79-101		0	0	0	0	0	0	0	0	0	0	0
102-123		0	0	0.5	0	0	0	0	0	0	0	0
124-146		0	0	0	0	0	0	0	0	0	0	0
147-168		0	0	0	0	0.5	0	0	0	0	0	0
168-191	0	0	0	0	0	0	0	0	0	0.5	0	0
192-213		0	0	0	0	0	1	0	1.5	0	1.5	0
214-236		0	0	0.5	0.5	0	1	1.5	3.6	1.5	1.5	2.1
237-258		0	0	0.5	1.5	1	3.1	5.6	4.1	6.2	7.2	5.6
259-281		0	0	1.5	0.5	0.5	2.6	2.1	5.1	5.6	7.2	3.1
282-303		0	0	1	1	1	2.1	2.6	1	0.5	1.5	1.5
304-326		0	0	0	0.5	0	1	1.5	0.5	0	0	0.5
327-348		0	0	0	0	0.5	0	0	0	0	0	0



Frequency of counts by wind direction (%)

Srinagar July 200 hPa level

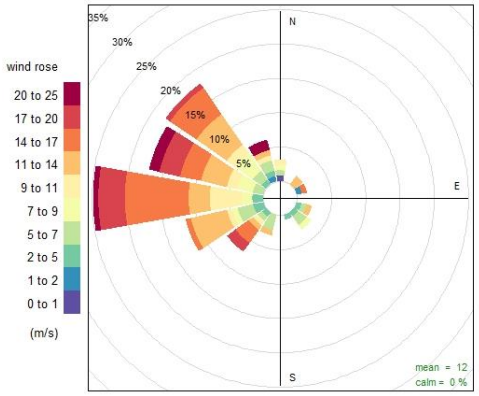
Speed / Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11		0	0	0	0	0	0	0.6	0	0	0	0
12-33		0	0	0	0.6	0	0	0	0	0	0	0
34-56		0	0	0	0	0	0	0	0	0	0	0
57-78		0	0	0	0	0	0	0	0	0	0	0
79-101		0	0	0	0	0	0	0	0	0	0	0
102-123		0	0	0	0	0	0	0	0	0	0	0
124-146		0	0	0.6	0	0	0	0	0	0	0	0
147-168	0	0	0	0	0	0	0	0	0	0.6	0	0
168-191		0	0	0	0	0	0	0.6	0.6	0	0	0
192-213		0	0	0	0	0	0	0	1.3	0	0.6	0.6
214-236		0	0	0	0	0.6	1.3	3.2	1.3	1.3	1.3	4.5
237-258		0	0	0.6	0	0.6	0.6	6.4	3.8	4.5	7.6	12.7
259-281		0	0	0	0	0.6	0.6	2.5	2.5	5.7	8.3	9.6
282-303		0	0	0	0	0	0	1.9	1.9	2.5	0.6	1.9
304-326		0	0	0	0	0	1.3	0	1.3	0	0	0.6
327-348		0	0	0	0.6	0	0	0	0	0	0.6	0



Frequency of counts by wind direction (%)

Srinagar 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		0.8	0	0	0.8	0.8	0.8	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	1.6	0	0	0	0
57-78		0	0.8	0	0	0	0	0	0.8	0	0	0
79-101		0	0	0	0	0	0	0	0	0	0	0
102-123		0	0	0.8	0.8	0	0	0.8	0	0	0	0
124-146		0	0	0.8	1.6	0.8	0	0	0	0	0	0
147-168	0	0	0	0.8	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	2.3	0	0	0.8	0	0	0	0
214-236		0	0	0.8	0.8	0	0.8	0.8	2.3	1.6	0	0
237-258		0	0	1.6	2.3	0.8	0.8	5.4	0.8	0	0	0
259-281		0	0	1.6	0	1.6	4.7	3.1	9.3	3.9	0.8	0
282-303		0	0	0	1.6	2.3	1.6	3.9	3.1	3.1	1.6	0
304-326		0	0	0.8	1.6	3.1	1.6	5.4	4.7	0.8	0	0
327-348		0	0.8	0.8	1.6	0	0.8	0.8	0	0	1.6	0



Frequency of counts by wind direction (%)

Srinagar August 1000 hPa level

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

Srinagar August 925 hPa level

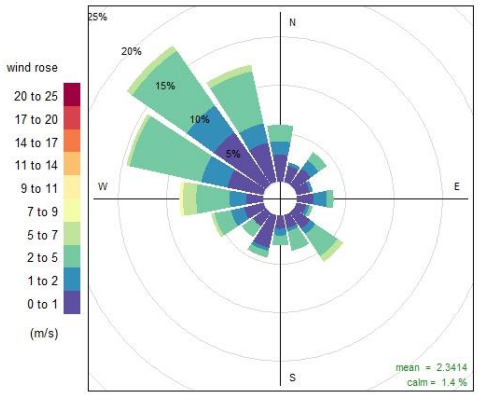
Speed / Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11												
12-33												
34-56												
57-78												
79-101												
102-123												
124-146												
147-168												
168-191												
192-213												
214-236												
237-258				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

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

Srinagar August 700 hPa level

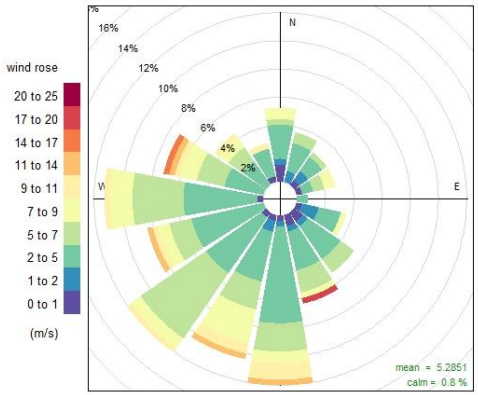
Speed / Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11		2.8	1.4	1.7	0	0	0	0	0	0	0	0
12-33		1.7	0.3	0	0	0	0	0	0	0	0	0
34-56		2.1	1	1	0	0	0	0	0	0	0	0
57-78		1.4	0.3	0	0	0	0	0	0	0	0	0
79-101		1.7	1.4	0.7	0	0	0	0	0	0	0	0
102-123		1	0.3	0.3	0	0	0	0	0	0	0	0
124-146		2.1	0.7	2.8	0.7	0	0	0	0	0	0	0
147-168		1	0.3	2.1	0	0	0	0	0	0	0	0
168-191	1	1.7	0.7	1	0	0	0	0	0	0	0	0
192-213		3.4	0.3	0.7	0	0	0	0	0	0	0	0
214-236		1.7	0	1.4	0	0	0	0	0	0	0	0
237-258		2.1	1.4	1.7	0.3	0	0	0	0	0	0	0
259-281		1.7	1.7	3.4	1.4	0.3	0	0	0	0	0	0
282-303		3.8	2.8	7.6	0.3	0	0	0	0	0	0	0
304-326		6.6	3.4	6.9	0.7	0	0	0	0	0	0	0
327-348		4.1	2.1	5.5	0.7	0	0	0	0	0	0	0



Frequency of counts by wind direction (%)

Srinagar August 500 hPa level

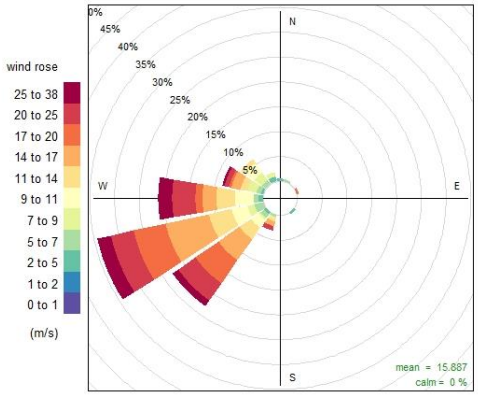
Speed / Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11		1.2	0.4	2.4	0.4	0.8	0	0	0	0	0	0
12-33		0	0.8	2	0.8	0	0	0	0	0	0	0
34-56		0.4	0.8	1.2	0.4	0	0	0	0	0	0	0
57-78		0.4	0	0.8	0.8	0.8	0	0	0	0	0	0
79-101		0	0	0.8	0	0	0	0	0	0	0	0
102-123		0.4	1.2	1.6	0	0.4	0	0	0	0	0	0
124-146		0.8	0.4	2.8	1.2	0	0	0	0	0	0	0
147-168		0.8	0.4	2.4	1.6	0.4	0	0	0	0.4	0	0
168-191	0	0.4	0.4	7.2	2	0.8	1.2	0.4	0	0	0	0
192-213		0.4	0.8	3.6	2	2.4	0.8	0.4	0	0	0	0
214-236		0.4	0	4.8	5.6	0.8	0.4	0	0	0	0	0
237-258		0	0	5.2	1.6	0.8	0.4	0.4	0	0	0	0
259-281		0.4	0	5.2	3.6	1.6	0.4	0	0	0	0	0
282-303		0	0	2.8	2	1.2	0.4	0.4	0.4	0	0	0
304-326		0	0	2	1.2	0.8	0.4	0	0	0	0	0
327-348		0.4	0	2	0	0	0.4	0	0	0	0	0



Frequency of counts by wind direction (%)

Srinagar August 300 hPa level

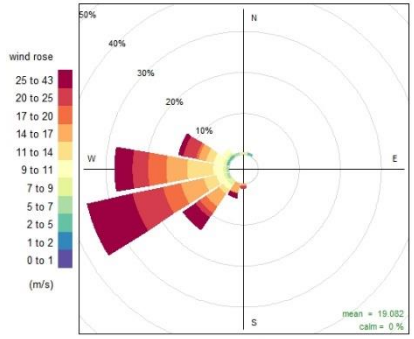
Speed / Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11		0	0	0.5	0	0	0	0	0	0	0	0
12-33		0	0	0	0.5	0	0	0	0	0	0	0
34-56		0	0	0	0	0	0	0	0	0	0	0
57-78		0	0	0	0	0	0	0	0	0.5	0	0
79-101		0	0	0	0	0	0	0	0	0	0	0
102-123		0	0	0	0	0	0	0	0	0	0	0
124-146		0	0	0.5	0	0	0	0	0	0	0	0
147-168		0	0	0	0	0	0	0	0	0	0	0
168-191	0	0	0	0	0	0	0	0	0	0	0	0
192-213		0	0	0	0.5	0.5	0	0.5	0.9	0	0.9	0
214-236		0	0	0.5	0.9	0.5	1.9	2.8	5.2	5.6	4.2	1.4
237-258		0	0	0	1.9	1.4	3.3	4.7	8.9	6.6	4.7	2.8
259-281		0	0	0.9	0.9	0	3.8	3.8	2.8	1.4	4.7	2.8
282-303		0	0	0.5	0.9	1.9	0	1.4	1.9	0.5	0.9	0.5
304-326		0	0	0	0.9	1.9	2.3	0.9	0	0	0	0
327-348		0	0	0.9	0	0.9	0	0	0	0	0	0



Frequency of counts by wind direction (%)

Srinagar August 200 hPa level

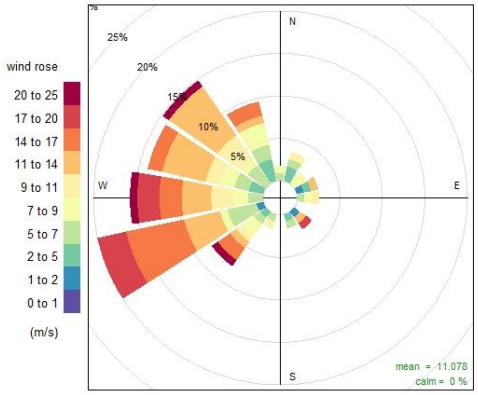
Speed / Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11		0	0	0	0	0.6	0	0	0	0	0	0
12-33		0	0	0.6	0	0	0	0	0	0	0	0
34-56		0	0	0	0	0	0	0	0	0	0	0
57-78		0	0	0	0	0	0	0	0	0	0	0
79-101		0	0	0	0	0	0	0	0	0	0	0
102-123		0	0	0	0	0	0	0	0	0	0	0
124-146		0	0	0	0	0	0	0	0	0	0	0
147-168	0	0	0	0	0	0	0	0	0	0	0	0
168-191		0	0	0	0	0	0	0	0.6	0	0.6	0
192-213		0	0	0	0	0	0	0	2.5	0	0	1.3
214-236		0	0	0	0	1.3	1.3	1.3	3.8	1.9	1.3	3.8
237-258		0	0	0	0.6	0.6	1.9	3.2	5.7	4.4	7.6	11.4
259-281		0	0	0	0.6	0.6	2.5	6.3	5.1	4.4	3.8	4.4
282-303		0	0	0.6	0	0.6	2.5	1.9	1.9	0.6	3.2	1.3
304-326		0	0	0.6	0	0.6	1.3	0	0	0	0	0
327-348		0	0	0	0.6	0	0	0	0	0	0	0



Frequency of counts by wind direction (%)

Srinagar 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	0.9	0.9	0	0	0	0	0	0
12-33		0	0	1.7	0.9	0	0.9	0	0	0	0	0
34-56		0	0	0	0	1.7	0	0	0	0	0	0
57-78		0	0.9	0.9	0	0	0	0.9	0	0	0	0
79-101		0	0	0	0.9	0.9	0.9	0	0	0	0	0
102-123		0	0	0	0	0	0	0	0	0	0	0
124-146		0	0.9	0	0	0	0	0.9	0	0.9	0	0
147-168		0	0	0.9	0.9	0	0	0	0	0	0	0
168-191	0	0	0	0	0	0	0	0	0	0	0	0
192-213		0	0	0	0.9	0	0.9	0	0	0	0	0
214-236		0	0	0.9	0.9	1.7	0.9	0.9	1.7	0	0.9	0
237-258		0	0.9	0	3.5	0.9	0	4.3	7	3.5	0	0
259-281		0	0	0	1.7	1.7	2.6	3.5	2.6	2.6	0.9	0
282-303		0	0	1.7	1.7	1.7	1.7	5.2	1.7	0	0	0
304-326		0	0	0	2.6	0.9	3.5	7	0	0	0.9	0
327-348		0	0	2.6	1.7	2.6	0	0.9	1.7	0	0	0



Frequency of counts by wind direction (%)

Srinagar September 1000 hPa level

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

Srinagar September 925 hPa level

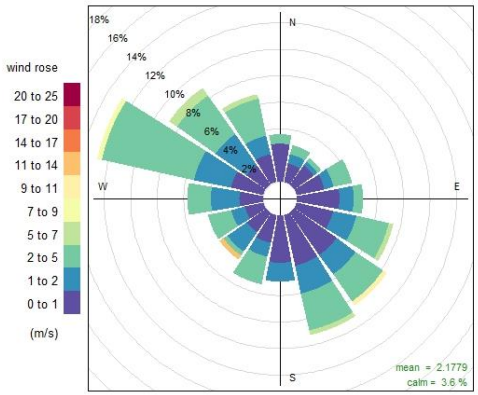
Speed / Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11												
12-33												
34-56												
57-78												
79-101												
102-123												
124-146												
147-168												
168-191												
192-213												
214-236												
237-258				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

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

Srinagar September 700 hPa level

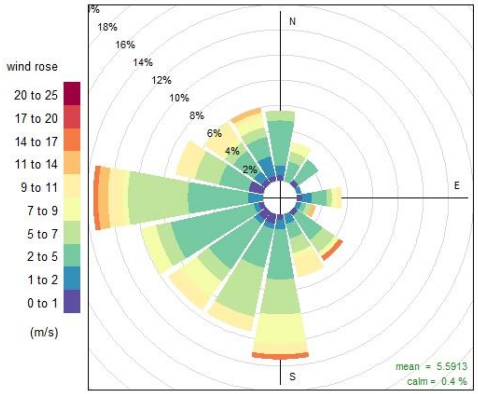
Speed / Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11		2.8	0	0.7	0	0	0	0	0	0	0	0
12-33		1.4	0.7	0.7	0	0	0	0	0	0	0	0
34-56		1.8	0.4	0.4	0	0	0	0	0	0	0	0
57-78		2.1	0.7	1.4	0	0	0	0	0	0	0	0
79-101		3.2	1.1	0.7	0	0	0	0	0	0	0	0
102-123		2.8	1.8	2.5	0.4	0	0	0	0	0	0	0
124-146		3.9	1.8	2.5	0	0	0.4	0	0	0	0	0
147-168		3.9	1.8	2.8	0.4	0	0	0	0	0	0	0
168-191	4	3.6	1.8	0	0	0	0	0	0	0	0	0
192-213		2.1	1.1	2.1	0	0	0	0	0	0	0	0
214-236		1.8	1.8	0.4	0	0	0	0.4	0	0	0	0
237-258		1.4	1.1	1.8	0	0	0	0	0	0	0	0
259-281		1.8	2.1	1.8	0	0	0	0	0	0	0	0
282-303		2.5	2.8	7.1	0	0.4	0	0	0	0	0	0
304-326		1.8	2.8	3.6	0.7	0	0	0	0	0	0	0
327-348		2.1	1.4	2.8	0.4	0	0	0	0	0	0	0



Frequency of counts by wind direction (%)

Srinagar September 500 hPa level

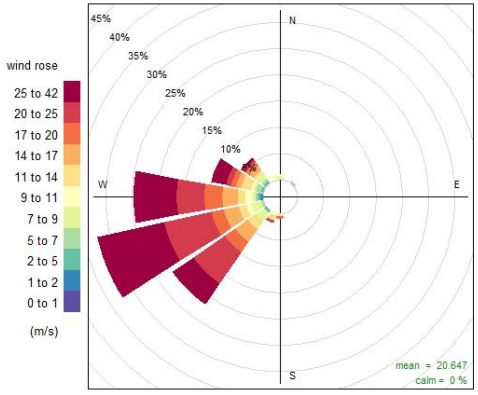
Speed / Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11		0.4	0.8	3.6	0.8	0	0	0	0	0	0	0
12-33		0	0	1.6	0.8	0.8	0	0	0	0	0	0
34-56		0.4	0	2	0	0	0	0	0	0	0	0
57-78		0	0.4	0	0	0	0	0	0	0	0	0
79-101		0.4	0.8	1.2	0.4	0.4	0.4	0	0	0	0	0
102-123		0	0.4	0.4	0.4	0	0	0.4	0	0	0	0
124-146		0.4	0	2.4	1.2	0.4	0	0	0.4	0	0	0
147-168		0	0.4	1.2	1.2	0.4	1.6	0	0	0	0	0
168-191	0	0.4	1.2	4	2.8	2.4	0.8	0	0.4	0	0	0
192-213		0.8	0.4	3.2	4	0	1.2	0	0	0	0	0
214-236		0.8	0.4	4.4	1.2	1.6	1.2	0	0	0	0	0
237-258		0.4	0.4	6.7	1.2	1.2	0	0	0	0	0	0
259-281		0	1.2	4.8	4.8	0.4	1.2	0.8	0.4	0	0	0
282-303		1.2	0	2.4	2	0	1.6	0	0	0	0	0
304-326		0.4	0.8	2	0.8	0.4	1.6	0	0	0	0	0
327-348		0.4	1.6	1.6	0.8	0.8	0.4	0.4	0	0	0	0



Frequency of counts by wind direction (%)

Srinagar September 300 hPa level

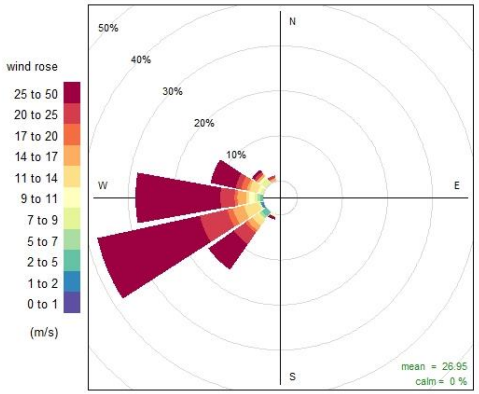
Speed / Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11		0	0	0	0	0.5	0.5	0	0	0	0	0
12-33		0	0	0	0	0	0	0	0	0	0	0
34-56		0	0	0	0.5	0	0	0	0	0	0	0
57-78		0	0	0	0	0	0	0	0	0	0	0
79-101		0	0	0	0	0	0	0	0	0	0	0
102-123		0	0	0	0	0	0	0	0	0	0	0
124-146		0	0	0	0	0	0	0	0	0	0	0
147-168		0	0	0	0	0	0	0	0	0	0	0
168-191	0	0	0	0	0	0.5	0	0	0	0.5	0	0
192-213		0	0	0	0	0	0.5	1	0	0	0.5	0
214-236		0	0	0.5	0	1.9	0	1.9	2.9	2.4	7.2	4.8
237-258		0	0	0	0.5	1.9	1	1.4	2.9	2.4	9.2	13
259-281		0	0.5	0.5	0.5	0.5	1.4	1.4	2.9	3.4	5.3	8.2
282-303		0	0	0.5	1	0.5	0.5	1.9	1	1	1	2.9
304-326		0	0	0.5	0.5	1.4	0	0.5	1	1	0.5	0.5
327-348		0	0	0	0	0	1	0	0	0	0	0



Frequency of counts by wind direction (%)

Srinagar September 200 hPa level

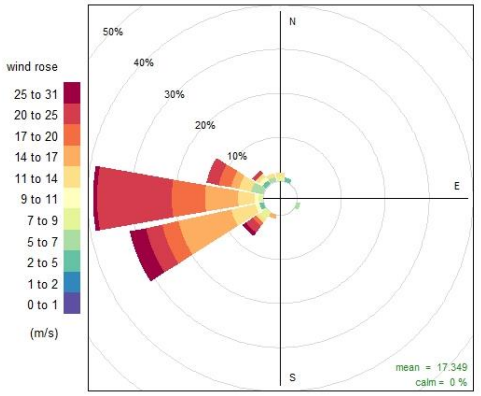
Speed / Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11		0	0	0	0	0	0	0	0	0	0	0
12-33		0	0	0	0	0	0	0	0	0	0	0
34-56		0	0	0	0	0	0	0	0	0	0	0
57-78		0	0	0	0	0	0	0	0	0	0	0
79-101		0	0	0	0	0	0	0	0	0	0	0
102-123		0	0	0	0	0	0	0	0	0	0	0
124-146		0	0	0	0	0	0	0	0	0	0	0
147-168		0	0	0	0	0	0	0	0	0	0	0
168-191	0	0	0	0	0	0	0	0	0	0	0	0
192-213		0	0	0	0	0	0.6	0	0	0	0	0.6
214-236		0	0	1.3	0.6	0.6	0	1.3	1.3	0.6	3.1	6.9
237-258		0	0.6	0	0	0.6	0	3.1	2.5	1.3	6.3	23.3
259-281		0	0	0.6	0.6	0.6	1.3	0.6	1.9	0.6	3.1	18.9
282-303		0	0	0	0	0.6	0.6	1.9	0.6	1.3	1.3	5.7
304-326		0	0	0	0	1.3	0.6	0	0.6	0	0.6	0.6
327-348		0	0	0	0	0	0	0	0.6	0	0.6	0



Frequency of counts by wind direction (%)

Srinagar September 100 hPa level

Speed / Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11		0	0	0	0	0.9	0	0.9	0	0	0	0
12-33		0	0	0.9	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	0.9	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	0
192-213		0	0	0	0	0	0	0	0.9	0	0	0
214-236		0	0	0	0	1.9	0	0.9	0	0.9	1.9	0.9
237-258		0	0	0.9	0	0	0.9	5.7	12.3	3.8	3.8	3.8
259-281		0	0	0	0	0.9	0.9	3.8	7.5	7.5	17	0.9
282-303		0	0	0	2.8	0	0	2.8	1.9	2.8	2.8	0
304-326		0	0	0.9	0	0	0.9	0.9	0	0	0.9	0
327-348		0	0	0	0.9	0	0	0.9	0	0	0	0



Frequency of counts by wind direction (%)

Srinagar October 1000 hPa level

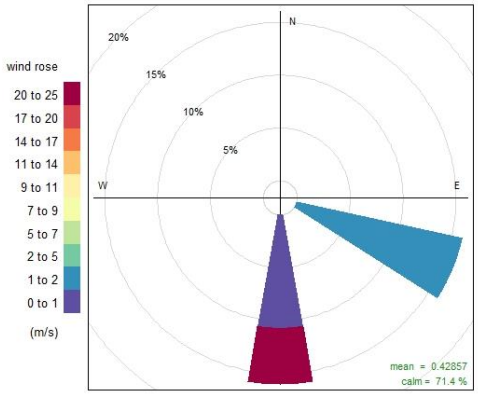
Speed / Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11												
12-33												
34-56												
57-78												
79-101												
102-123												
124-146												
147-168												
168-191												
192-213												
214-236												
237-258				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

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

Srinagar October 850 hPa level

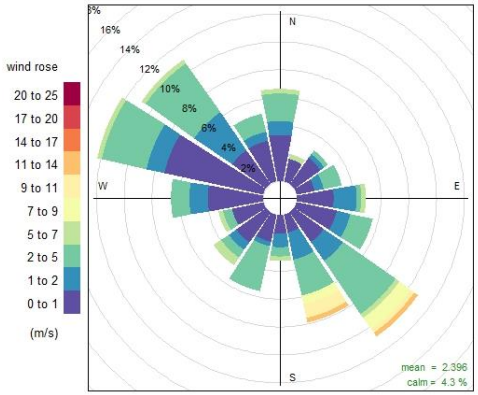
Speed / Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11		0	0	0	0	0	0	0	0	0	0	0
12-33		0	0	0	0	0	0	0	0	0	0	0
34-56		0	0	0	0	0	0	0	0	0	0	0
57-78		0	0	0	0	0	0	0	0	0	0	0
79-101		0	0	0	0	0	0	0	0	0	0	0
102-123		0	14.3	0	0	0	0	0	0	0	0	0
124-146		0	0	0	0	0	0	0	0	0	0	0
147-168	71	0	0	0	0	0	0	0	0	0	0	0
168-191		14.3	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



Frequency of counts by wind direction (%)

Srinagar October 700 hPa level

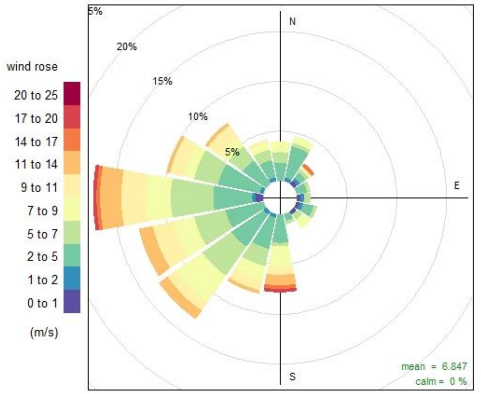
Speed / Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11		3.3	1	2	0.3	0	0	0	0	0	0	0
12-33		1.7	0	0	0.3	0	0	0	0	0	0	0
34-56		2.3	0.3	0.3	0	0	0	0	0	0	0	0
57-78		1.3	0.7	1.3	0	0	0	0	0	0	0	0
79-101		2.6	1.7	0.3	0.3	0	0	0	0	0	0	0
102-123		3	1	1.7	0	0	0	0	0	0	0	0
124-146		2.6	1.7	4.6	0.3	1	0.3	0.3	0	0	0	0
147-168	4	1	2	2.6	0	0.7	1	0.3	0	0	0	0
168-191		1.7	1	0.7	0.3	0	0	0	0	0	0	0
192-213		2	0.3	3.3	0	0	0	0	0	0	0	0
214-236		2.6	0.7	0.7	0.7	0	0	0	0	0	0	0
237-258		2.3	0	0.7	0.3	0	0	0	0	0	0	0
259-281		4	1.3	1.3	0	0	0	0	0	0	0	0
282-303		7.3	1.3	3.3	0.3	0	0	0	0	0	0	0
304-326		3	3.3	4.3	0.3	0	0	0	0	0	0	0
327-348		3	0.7	1.3	0	0	0	0	0	0	0	0



Frequency of counts by wind direction (%)

Srinagar October 500 hPa level

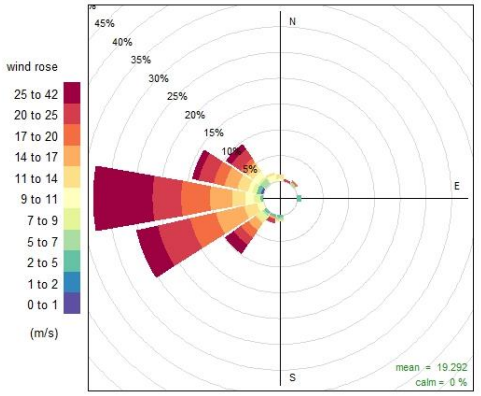
Speed / Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11		0	0	1.8	1.1	1.1	0	0	0	0	0	0
12-33		0	0.4	3.2	0.4	0.7	0	0	0	0	0	0
34-56		0.4	0.4	0.7	0.4	0	0.4	0	0.4	0	0	0
57-78		0	0	1.1	0.4	0	0	0	0	0	0	0
79-101		0.4	0.4	0	0.7	0	0	0	0	0	0	0
102-123		0.4	0.4	1.1	0.4	0	0	0	0	0	0	0
124-146		0.4	0	0	0.7	1.1	0	0	0	0	0	0
147-168		0	0	0.7	0.4	0	0	0	0	0	0	0
168-191	0	0	0	2.8	0.4	2.1	0.7	1.1	0.4	0.4	0	0
192-213		0	0.4	3.2	1.8	1.4	1.1	0.4	0	0	0	0
214-236		0	0.4	3.9	3.6	3.2	1.1	1.1	0	0	0	0
237-258		0	0	3.9	3.2	2.1	2.1	1.4	0	0	0	0
259-281		0.7	0.4	3.9	4.3	2.5	2.5	2.1	0.4	0.4	0	0
282-303		0	0.4	4.3	2.5	1.1	1.4	0.4	0	0	0	0
304-326		0	0	2.8	1.8	1.1	1.4	0.4	0	0	0	0
327-348		0	0.4	1.8	1.1	0.7	0.4	0	0	0	0	0



Frequency of counts by wind direction (%)

Srinagar October 300 hPa level

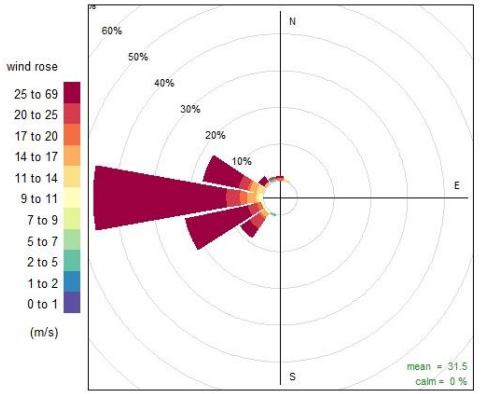
Speed / Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11		0	0	0	0	0	0.4	0.9	0	0	0	0
12-33		0	0	0	0	0	0	0	0	0	0.4	0
34-56		0	0	0	0.4	0	0	0	0	0.4	0	0
57-78		0	0	0	0	0	0	0	0	0	0	0
79-101		0	0	0.9	0	0	0	0	0	0	0	0
102-123		0	0	0	0	0	0	0	0	0	0	0
124-146		0	0	0	0	0	0	0	0	0	0	0
147-168		0	0	0	0	0	0	0	0	0	0	0
168-191	0	0	0	0.4	0.4	0	0	0.4	0	0	0	0
192-213		0	0	0.4	0	0	0	0	0.4	0	0.9	0
214-236		0	0	0.4	0.4	1.3	0	0.4	1.7	1.7	1.7	2.1
237-258		0	0	0	0	0	1.3	2.6	5.6	5.2	6.4	4.3
259-281		0	0	0.4	0	1.3	1.7	2.6	4.3	5.6	5.6	11.6
282-303		0.4	0	0.9	0	0.9	0.9	2.1	2.6	2.1	3	1.3
304-326		0	0	0	1.3	0.4	1.3	1.3	0.9	0.9	2.1	1.3
327-348		0	0	0	0	0	1.3	0.4	0	0	0	0



Frequency of counts by wind direction (%)

Srinagar October 200 hPa level

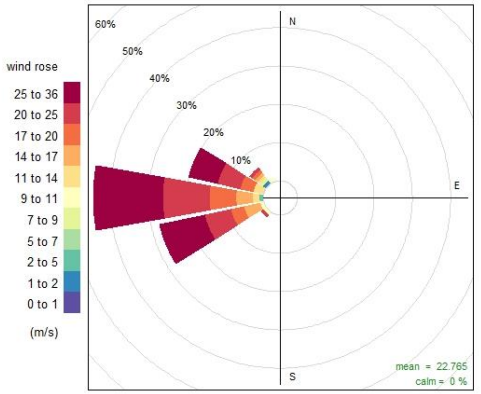
Speed / Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11		0	0	0	0	0	0	0	0	0.6	0	0.6
12-33		0	0	0	0	0	0	0.6	0	0	0	0
34-56		0	0	0	0	0	0	0	0	0	0	0
57-78		0	0	0	0	0	0	0	0	0	0	0
79-101		0	0	0	0	0	0	0	0	0	0	0
102-123		0	0	0	0	0	0	0	0	0	0	0
124-146		0	0	0	0	0	0	0	0	0	0	0
147-168	0	0	0	0	0	0	0	0	0	0	0	0
168-191		0	0	0	0	0	0	0	0	0	0	0
192-213		0	0	0.6	0	0	0	0	0	0	0	0
214-236		0	0	0	0	0	0.6	0	1.2	0.6	3.1	3.1
237-258		0	0	0	0	0	0.6	0	0	1.2	2.5	17.5
259-281		0	0	0	0	0	1.2	0.6	2.5	1.9	3.8	36.2
282-303		0	0	0	0	0	0	1.9	1.9	0.6	2.5	10
304-326		0	0	0	0	0	0	0	0.6	0	0	1.9
327-348		0	0	0.6	0	0	0	0	0	0	0.6	0



Frequency of counts by wind direction (%)

Srinagar October 100 hPa level

Speed / Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11		0	0	0	0	0	0	0	0	0	0	0
12-33		0	0	0	0	0	0	0	0	0	0	0
34-56		0	0	0	0	0	0	0	0	0	0	0
57-78		0	0	0	0	0	0	0	0	0	0	0
79-101		0	0	0	0	0	0	0	0	0	0	0
102-123		0	0	0	0	0	0	0	0	0	0	0
124-146		0	0	0	0	0	0	0	0	0	0	0
147-168		0	0	0	0	0	0	0	0	0	0	0
168-191	0	0	0	0	0	0	0	0	0	0	0	0
192-213		0	0	0	0	0	0	0	0	0	0	0
214-236		0	0	0	0	0	0.9	0	0	0	0.9	0
237-258		0	0	0	0	0	0.9	0	4.3	3.5	7	12.2
259-281		0	0	0.9	0	0	0	1.7	4.3	7	12.2	18.3
282-303		0	0	0	0	0	0	2.6	0	3.5	6.1	7.8
304-326		0	0.9	0	0	0.9	0	0.9	0.9	0.9	0.9	0
327-348		0	0	0	0	0	0.9	0	0	0	0	0



Frequency of counts by wind direction (%)

Srinagar November 1000 hPa level

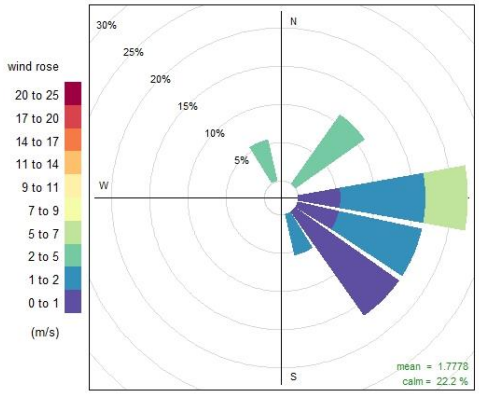
Speed / Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11												
12-33												
34-56												
57-78												
79-101												
102-123												
124-146												
147-168												
168-191												
192-213												
214-236												
237-258				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

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

Srinagar November 850 hPa level

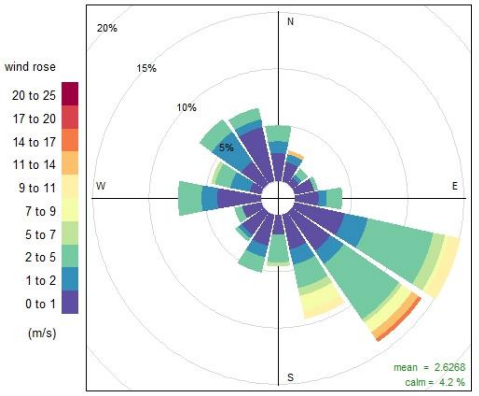
Speed / Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11		0	0	0	0	0	0	0	0	0	0	0
12-33		0	0	0	0	0	0	0	0	0	0	0
34-56		0	0	11.1	0	0	0	0	0	0	0	0
57-78		0	0	0	0	0	0	0	0	0	0	0
79-101		5.6	11.1	0	5.6	0	0	0	0	0	0	0
102-123		5.6	11.1	0	0	0	0	0	0	0	0	0
124-146		16.7	0	0	0	0	0	0	0	0	0	0
147-168	22	0	5.6	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	5.6	0	0	0	0	0	0	0	0



Frequency of counts by wind direction (%)

Srinagar November 700 hPa level

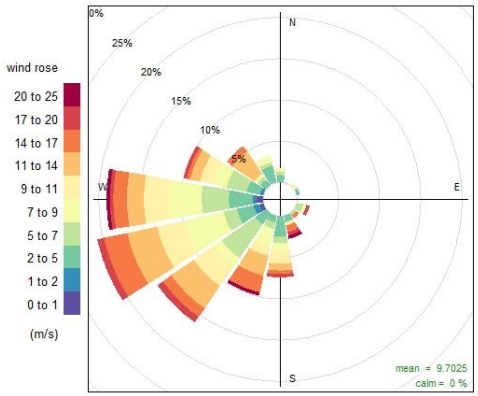
Speed / Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11		2.5	1.1	1.4	0	0	0	0	0	0	0	0
12-33		1.8	0.7	0	0	0	0	0.4	0	0	0	0
34-56		0.7	0.4	0.7	0	0	0	0	0	0	0	0
57-78		1.8	0	0.4	0	0	0	0	0	0	0	0
79-101		2.1	0.7	1.4	0	0	0	0	0	0	0	0
102-123		4.6	2.1	6	1.1	0.4	1.1	0	0	0	0	0
124-146	0	4.2	1.4	6	0.4	1.1	0	0.7	0.4	0	0	0
147-168		2.8	1.4	2.1	0.7	1.4	0.7	0	0	0	0	0
168-191		2.1	0	2.5	0.4	0	0	0	0	0	0	0
192-213		2.8	1.1	1.4	0	0	0	0	0	0	0	0
214-236		2.5	0.4	0.4	0	0	0	0	0	0	0	0
237-258		1.8	0	0.7	0	0	0	0	0	0	0	0
259-281		3.9	1.4	2.1	0	0	0	0	0	0	0	0
282-303		1.1	1.8	1.4	0.4	0	0	0	0	0	0	0
304-326		2.5	3.2	1.4	0	0	0	0	0	0	0	0
327-348		4.9	0.7	1.1	0	0	0	0	0	0	0	0



Frequency of counts by wind direction (%)

Srinagar November 500 hPa level

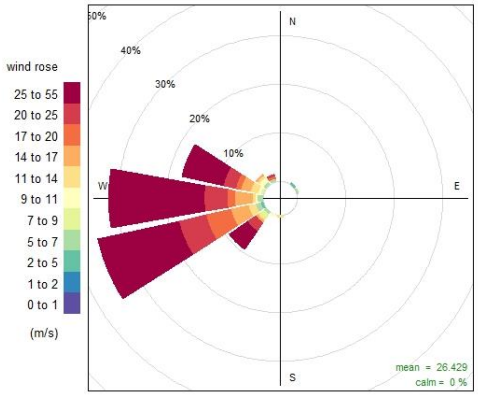
Speed / Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11		0	0	0.8	0.4	0	0.4	0	0	0	0	0
12-33		0	0	0	0	0	0	0	0	0	0	0
34-56		0	0	0	0	0	0.4	0	0	0	0	0
57-78		0	0	0.4	0	0	0	0	0	0	0	0
79-101		0	0	0	0	0	0	0	0	0	0	0
102-123		0	0	0	0.8	0.4	0	0	0	0.4	0	0
124-146		0	0	0	0.4	0	0	0	0.4	0	0	0
147-168		0	0	0.8	0	0	0.4	0	0.8	0.4	0.4	0
168-191	0	0	0	2.5	0.8	0.8	1.7	0.8	0.4	0.4	0	0
192-213		0	0	0.8	0.8	2.1	1.2	2.5	2.1	0	0.4	0
214-236		0	0	1.7	5	1.2	2.9	3.3	1.2	0.8	0	0
237-258		0.4	0.8	2.1	1.7	5	3.3	3.7	2.9	0.8	0	0
259-281		0.8	0.4	2.9	3.3	4.1	2.9	2.1	1.7	0.4	0.4	0
282-303		0	0.4	1.7	2.5	1.7	1.7	1.2	0.4	0.4	0	0
304-326		0	0	0.8	0.4	0.4	0	3.3	0.8	0	0	0
327-348		0	0	2.1	0.4	0.8	0	0	0	0	0	0



Frequency of counts by wind direction (%)

Srinagar November 300 hPa level

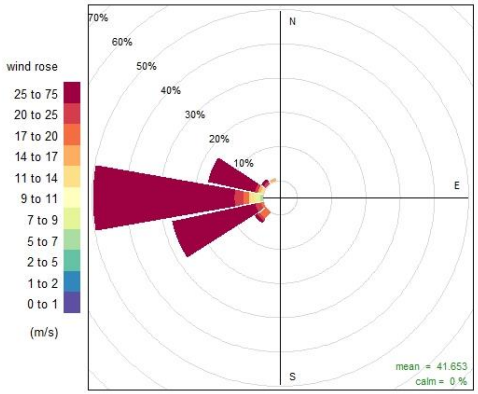
Speed / Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11		0	0	0	0	0	0	0	0	0	0	0
12-33		0	0	0	0	0	0	0	0	0	0	0
34-56		0	0	0.5	0	0	0	0	0	0	0	0
57-78		0	0	0	0.5	0	0	0	0	0	0	0
79-101		0	0	0	0	0	0	0	0	0	0	0
102-123		0	0	0	0	0	0	0	0	0	0	0
124-146		0	0	0	0	0	0	0	0	0	0	0
147-168		0	0	0	0	0	0	0	0	0	0	0
168-191	0	0	0	0	0	0	0	0.5	0	0	0	0
192-213		0	0	0	0	0	0.5	0	0	0	0	0
214-236		0	0	0	0.5	1	0	0.5	0.5	0	2.1	4.7
237-258		0	0	0.5	1	0	0	1.6	3.7	5.2	5.8	17.3
259-281		0	0	0	1	0	0.5	0.5	3.7	1.6	4.7	19.9
282-303		0	0	0	0	0.5	0.5	1.6	2.1	1	2.6	8.9
304-326		0	0	0	0.5	0	1	0.5	0.5	0	0	0
327-348		0	0	0	0.5	0	0	0	0	0.5	0.5	0



Frequency of counts by wind direction (%)

Srinagar November 200 hPa level

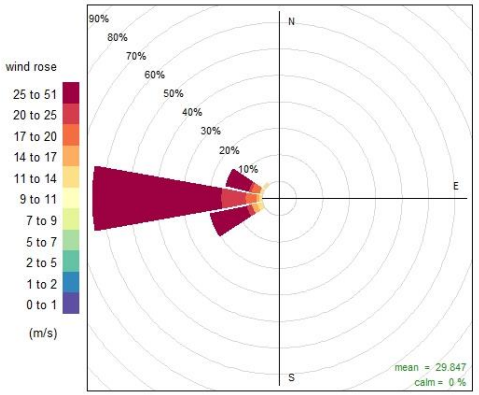
Speed / Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	0	0	0	0	0	0	0	0	0	0	0	0
12-33		0	0	0	0	0	0	0	0	0	0	0
34-56		0	0	0	0	0	0	0	0	0	0	0
57-78		0	0	0	0	0	0	0	0	0	0	0
79-101		0	0	0	0	0	0	0	0	0	0	0
102-123		0	0	0	0	0	0	0	0	0	0	0
124-146		0	0	0	0	0	0	0	0	0	0	0
147-168		0	0	0	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	2.5	0.8	0.8
237-258		0	0	0	0	0	0	0	0	0.8	1.7	24.8
259-281		0	0	0	0.8	1.7	0	1.7	0	1.7	2.5	41.3
282-303		0	0	0	0	0	0	0.8	0.8	0	0.8	14
304-326		0	0	0	0	0	0	0	0	0	0.8	0.8
327-348		0	0	0	0	0	0	0	0.8	0	0	0



Frequency of counts by wind direction (%)

Srinagar November 100 hPa level

Speed / Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11	0	0	0	0	0	0	0	0	0	0	0	0
12-33		0	0	0	0	0	0	0	0	0	0	0
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	1.43	1.43	0	1.43	10
259-281		0	0	0	0	0	0	0.71	0.71	2.86	6.43	34.29
282-303		0	0	0	0	0	0	0.71	0	2.14	0.71	6.43
304-326		0	0	0	0	0	0	0.71	0	0	0	0
327-348		0	0	0	0	0	0	0	0	0	0	0



Frequency of counts by wind direction (%)

Srinagar December 1000 hPa level

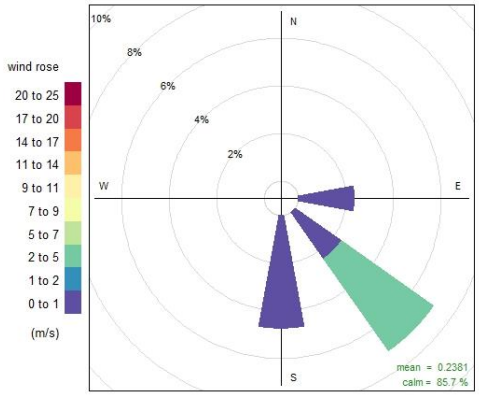
Speed / Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11												
12-33												
34-56												
57-78												
79-101												
102-123												
124-146												
147-168												
168-191												
192-213												
214-236												
237-258				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

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

Srinagar December 850 hPa level

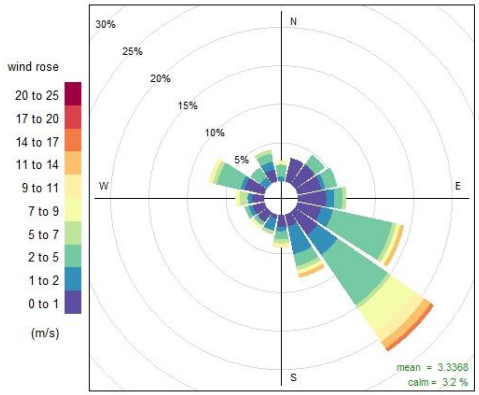
Speed / Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11		0	0	0	0	0	0	0	0	0	0	0
12-33		0	0	0	0	0	0	0	0	0	0	0
34-56		0	0	0	0	0	0	0	0	0	0	0
57-78		0	0	0	0	0	0	0	0	0	0	0
79-101		2.4	0	0	0	0	0	0	0	0	0	0
102-123		0	0	0	0	0	0	0	0	0	0	0
124-146		2.4	0	4.8	0	0	0	0	0	0	0	0
147-168	86	0	0	0	0	0	0	0	0	0	0	0
168-191		4.8	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



Frequency of counts by wind direction (%)

Srinagar December 700 hPa level

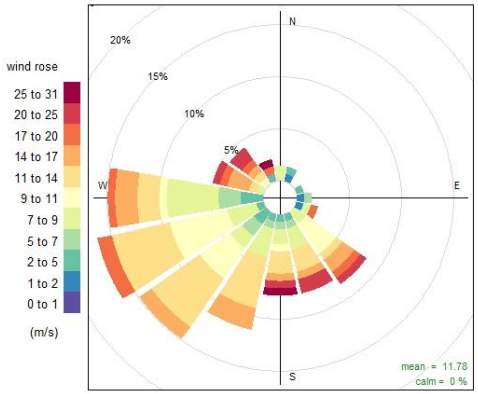
Speed / Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11		0	0.5	1.6	0	0.5	0	0	0	0	0	0
12-33		3.2	0	0	0	0	0	0	0	0	0	0
34-56		3.2	0	1.6	0	0	0	0	0	0	0	0
57-78		3.2	0.5	1.6	0	0	0	0	0	0	0	0
79-101		3.7	1.1	1.1	0.5	0	0	0	0	0	0	0
102-123		3.2	1.6	7.9	0.5	0.5	0	0.5	0	0	0	0
124-146		3.7	3.2	7.9	0.5	3.7	1.6	1.1	0.5	0	0	0
147-168	3	1.6	3.2	1.6	0.5	0.5	0	0.5	0	0	0	0
168-191		1.6	1.1	1.1	0.5	0	0.5	0	0	0	0	0
192-213		0.5	1.6	0	0.5	0	0	0	0	0	0	0
214-236		1.6	0	0.5	0	0.5	0	0	0	0	0	0
237-258		1.6	0.5	0.5	0	0	0	0	0	0	0	0
259-281		1.6	0.5	0	1.1	0.5	0	0	0	0	0	0
282-303		2.6	0.5	3.2	0.5	0	0.5	0	0	0	0	0
304-326		0	1.1	1.6	0	0	0	0	0	0	0	0
327-348		1.6	1.1	1.1	0.5	0	0	0	0	0	0	0



Frequency of counts by wind direction (%)

Srinagar December 500 hPa level

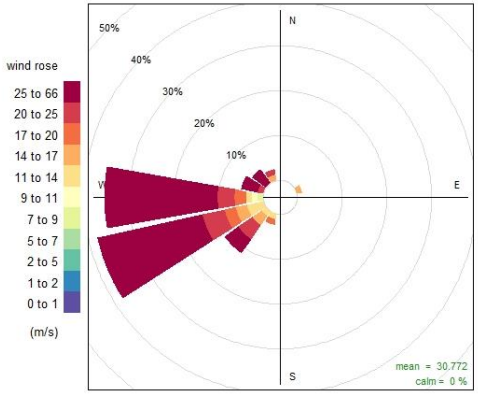
Speed / Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11		0	0	0	0	1.4	0	0	0	0	0	0
12-33		0	0.7	0.7	0	0	0	0	0	0	0	0
34-56		0	0	0	0	0	0	0	0	0	0	0
57-78		0	0	0.7	0	0	0	0	0	0	0	0
79-101		0	0.7	0	0.7	0	0	0	0	0	0	0
102-123		0	0.7	0	0	0.7	0	0	0	0.7	0	0
124-146		0	0	0	0	1.4	3.5	0.7	1.4	0.7	0.7	0
147-168		0	0	0.7	0.7	2.1	0	2.1	0.7	0	1.4	0
168-191	0	0	0	0.7	0.7	1.4	0.7	2.1	0.7	0	0.7	0.7
192-213		0	0	0.7	0.7	2.8	0	5	2.1	0	0	0
214-236		0	0	1.4	1.4	1.4	3.5	5.7	1.4	0	0	0
237-258		0	0	0.7	0	2.8	5.7	5.7	0	1.4	0	0
259-281		0	0	2.1	2.1	5	0.7	2.1	2.1	0.7	0	0
282-303		0	0	0	0	0.7	0	0.7	2.1	0.7	0.7	0
304-326		0	0	0	0	0	0.7	0.7	0.7	0.7	1.4	0
327-348		0	0	0.7	0	0	0	0	0	0.7	0	0.7



Frequency of counts by wind direction (%)

Srinagar December 300 hPa level

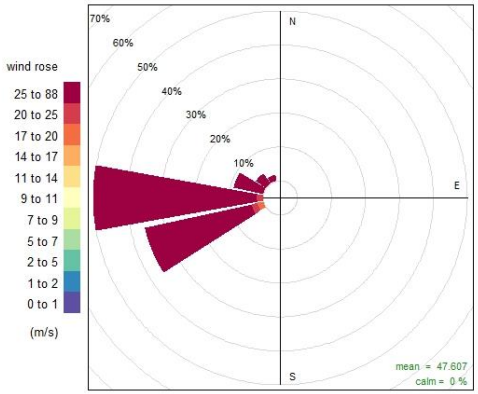
Speed / Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11		0	0	0	0	0	0	0	0	0	0	0
12-33		0	0	0	0	0	0	0	0	0	0	0
34-56		0	0	0	0	0	0	0	0	0	0	0
57-78		0	0	0	0	0	0	0	1.3	0	0	0
79-101		0	0	0	0	0	0	0	0	0	0	0
102-123		0	0	0	0	0	0	0	0	0	0	0
124-146		0	0	0	0	0	0	0	0	0	0	0
147-168		0	0	0	0	0	0	0	0	0	0	0
168-191	0	0	0	0	0	0	0	0	0	0	0	0
192-213		0	0	0	0	0	0	1.3	0	1.3	0	0
214-236		0	0	0	0	0	0	1.3	2.5	0	3.8	3.8
237-258		0	0	0	0	0	0	3.8	2.5	2.5	5.1	24.1
259-281		0	0	0	0	1.3	1.3	1.3	0	2.5	3.8	25.3
282-303		0	0	0	0	0	0	0	0	0	1.3	3.8
304-326		0	0	0	0	0	0	0	0	0	0	3.8
327-348		0	0	0	0	0	0	0	1.3	0	1.3	0



Frequency of counts by wind direction (%)

Srinagar December 200 hPa level

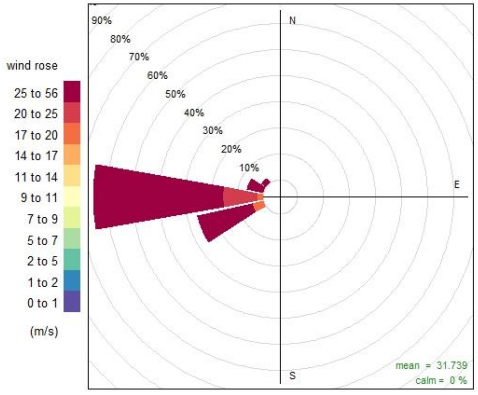
Speed / Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11		0	0	0	0	0	0	0	0	0	0	0
12-33		0	0	0	0	0	0	0	0	0	0	0
34-56		0	0	0	0	0	0	0	0	0	0	0
57-78		0	0	0	0	0	0	0	0	0	0	0
79-101		0	0	0	0	0	0	0	0	0	0	0
102-123		0	0	0	0	0	0	0	0	0	0	0
124-146		0	0	0	0	0	0	0	0	0	0	0
147-168		0	0	0	0	0	0	0	0	0	0	0
168-191	0	0	0	0	0	0	0	0	0	0	0	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	1.8	1.8	32.1
259-281		0	0	0	0	0	0	0	0	0	1.8	48.2
282-303		0	0	0	0	0	0	0	0	0	0	8.9
304-326		0	0	0	0	0	0	0	0	0	0	3.6
327-348		0	0	0	0	0	0	0	0	0	0	1.8



Frequency of counts by wind direction (%)

Srinagar December 100 hPa level

Speed / Direction	calm	0-1	1-2	2-5	5-7	7-9	9-11	11-14	14-17	17-20	20-25	25 +
349-11		0	0	0	0	0	0	0	0	0	0	0
12-33		0	0	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	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	4.3	0	21.7
259-281		0	0	0	0	0	0	0	0	2.2	13	50
282-303		0	0	0	0	0	0	0	0	0	0	6.5
304-326		0	0	0	0	0	0	0	0	0	0	2.2
327-348		0	0	0	0	0	0	0	0	0	0	0



Frequency of counts by wind direction (%)

Srinagar 42027 Station height 1533 January

PRESSURE	HEIGHT	Hmax	Hmin	TEMP	TMAX	TMIN	DEWPT	DIR	VELO	U	V	VM
SURFACE	844.9	895	830	-1	6.4	-8.3	-2.1	333	0.2	0.1	-0.2	0.4
1000	211	279	102									
950	631	700	526									
925	849	917	744									
900	1072	1139	968									
850	1579	1615	1431	-2.8	2.6	-8.5	-3.9	315	0.1	0.1	-0.1	0.2
800	2023	2095	1887	-1.7	6.8	-13.1	-4.7	333	0.4	0.2	-0.4	1.1
750	2533	2660	2370	-3.8	5	-15.1	-7.6	315	0.4	0.3	-0.3	1.1
700	3077	3166	2950	-6	5	-19.7	-11.2	311	1.1	0.8	-0.7	1.7
650	3650	3790	3500	-8.7	5.8	-22.8	-15.2	304	1.8	1.5	-1	2.5
600	4273	4402	4134	-12.6	-1.1	-25.1	-19.9	283	2.2	2.1	-0.5	3.4
550	4945	5110	4780	-17.1	-1.7	-29.5	-24	244	2.5	2.3	1.1	4.4
500	5640	5812	5470	-21.9	-2	-33.9	-28.7	221	3.8	2.5	2.9	5.7
450	6411	6655	6200	-27.4	0.4	-41.1	-33.7	208	5.2	2.4	4.6	6.9
400	7250	7589	7033	-33.3	-3.6	-48.9	-39.3	200	7	2.4	6.6	8.7
350	8174	8641	7900	-39.7	-5.7	-56.1	-45.2	194	8.2	2	8	9.9
300	9216	9842	8869	-46.5	-9.6	-62.9	-49.8	188	10.8	1.5	10.7	12.5
250	10424	19992	10086	-52.6	-18.6	-63.9	-50	184	11	0.8	11	12.5
200	11833	12845	11375	-56	-30.4	-72.1	-43.5	186	8.9	0.9	8.9	9.7
175	12678	13778	12210	-57	-38.9	-70.1		182	3.4	0.1	3.4	3.6
150	13640	14138	13297	-58.5	-44.3	-71.7		180	2.6	0	2.6	2.8
125	14786	15334	14500	-60.5	-47.7	-72.3		180	0.6	0	0.6	0.7
100	16149	16768	15787	-62.1	-50.9	-70.7		180	0.4	0	0.4	0.5
80	17494	17840	17191	-62.2	-54.3	-71.7						
70	18329	18664	18016	-61.3	-52.7	-72.3						
60	19285	19661	18975	-60.3	-51.5	-69.5						
50	20419	20808	20090	-58.3	-50.3	-68.3						
40	21828	22226	21469	-55.8	-45.7	-63.9						
30	23679	24092	23288	-53.2	-43.5	-62.3						
25	24857	25317	24468	-50.8	-41.9	-60.1						
20	26326	26754	25942	-48.6	-39.1	-57.7						
15	28191	28671	27757	-46.9	-37.1	-57.5						
10	30890	31358	30315	-45.2	-35.3	-57.3						
7	33158	33204	33113	-45.5	-42.7	-48.3						

FREEZING LEVEL

P	Height	H_max	H_min
795	2069	4790	1510

FIRST TROPOPAUSE

P	Height	Temp
238	10788	-58

SECOND TROPOPAUSE

P	Height	Temp
95	16670	-64.5

Srinagar 42027 Station height 1533 February

PRESSURE	HEIGHT	Hmax	Hmin	TEMP	TMAX	TMIN	DEWPT	DIR	VELO	U	V	VM
SURFACE	843.2	852	827	1.1	7.2	-5.5	-0.3	333	0.2	0.1	-0.2	0.6
1000	198	264	146									
950	623	687	573									
925	842	904	792									
900	1066	1127	1017									
850	1559	1608	1483	1.1	5.4	-2.1	-0.2	180	0.1	0	0.1	0.1
800	2010	2102	1855	0.2	8.6	-7.3	-3	333	0.4	0.2	-0.4	1.4
750	2518	2650	2380	-2.2	8.6	-10.9	-5.8	326	0.4	0.2	-0.3	1.4
700	3071	3172	2922	-5	7.2	-13.3	-9.3	321	0.6	0.4	-0.5	1.7
650	3639	3800	3470	-8.2	3.6	-17.5	-13.6	313	1.9	1.4	-1.3	2.9
600	4268	4421	4122	-12.2	0.1	-22.3	-18.3	287	2.1	2	-0.6	3.6
550	4939	5160	4750	-16.7	1.6	-26.3	-23.4	241	2.3	2	1.1	4.5
500	5636	5905	5328	-21.6	1.1	-31.5	-28.3	217	3.9	2.3	3.1	6
450	6408	6710	6200	-26.9	-5.4	-37.3	-33.6	208	5.7	2.7	5	7.7
400	7247	7604	7057	-32.8	-11.7	-46.9	-39.1	200	7.4	2.5	7	9.6
350	8171	8550	7900	-39.4	-15.8	-53.5	-45.1	193	9.2	2.1	9	11.1
300	9213	9646	8938	-46.3	-18.8	-58.9	-49.5	189	11.2	1.7	11.1	13
250	10408	10993	10112	-52.1	-23.9	-65.3	-46.7	184	12.3	0.9	12.3	14
200	11839	12288	11492	-54.6	-39.9	-71.9	-49.5	184	10.9	0.7	10.9	11.8
175	12691	13172	12319	-55.3	-40.5	-70.1		184	3.9	0.3	3.9	4.1
150	13656	14180	13272	-57	-41.3	-68.7		182	3	0.1	3	3.1
125	14810	15352	14530	-59.3	-50.1	-71.3		172	0.7	-0.1	0.7	0.7
100	16186	16749	15772	-61.3	-48.1	-73.5		180	0.3	0	0.3	0.3
80	17550	17918	17158	-62.2	-52.1	-77.5						
70	18397	18754	18050	-61.7	-50.1	-80.9						
60	19357	19750	18943	-59.9	-48.1	-71.9						
50	20489	20844	20080	-58.2	-40.7	-80.7						
40	21899	22259	21484	-56.2	-47.5	-72.9						
30	23743	24119	23310	-53.7	-42.9	-71.1						
25	24908	25220	24590	-52.9	-42.1	-70.1						
20	26389	26798	26044	-51.4	-38.3	-69.1						
15	28317	28738	27868	-47.4	-33.9	-54.1						
10	30866	31088	30533	-48.8	-45.7	-51.1						
7	33317	33520	33081	-47.6	-44.1	-50.1						

FREEZING LEVEL

P	Height	H_max	H_min
779	2227	4410	1290

FIRST TROPOPAUSE

P	Height	Temp
241	10688	-56.5

SECOND ROPOPAUSE

P	Height	Temp
86	17300	-64.1

Srinagar **42027** **Station height** **1533** **March**

PRESSURE	HEIGHT	Hmax	Hmin	TEMP	TMAX	TMIN	DEWPT	DIR	VELO	U	V	VM
SURFACE	842.6	851	832	4.7	11.4	-2.1	3	360	0.1	0	-0.1	0.7
1000	165	228	118									
950	596	653	552									
925	818	872	776									
900	1046	1096	1006									
850	1520	1604	1480	5.2	6.6	3.8	2.6	333	0.4	0.2	-0.4	0.5
800	2010	2095	1903	4.1	14.8	-5.7	0.5	326	0.4	0.2	-0.3	1.6
750	2526	2670	2395	1.6	11.4	-10.3	-2.4	309	0.6	0.5	-0.4	1.6
700	3085	3195	2968	-1.5	9.4	-12.1	-6	315	0.8	0.6	-0.6	2.1
650	3661	3800	3500	-4.9	6.8	-16.3	-10.8	304	1.4	1.2	-0.8	3.1
600	4297	4455	4150	-9	4.6	-20.5	-15.5	270	1.8	1.8	0	4
550	4974	5180	4800	-13.6	3.9	-25.5	-20.2	228	2.7	2	1.8	5.3
500	5684	5892	5504	-18.6	0.4	-31.3	-25.2	209	4.1	2	3.6	6.8
450	6460	6710	6230	-24.2	-5.9	-39	-30.6	200	5.8	2	5.4	8.3
400	7310	7581	7060	-30.4	-10.3	-47.8	-36.3	195	8	2	7.7	10.3
350	8242	8578	7980	-37.3	-13.8	-56.9	-42.3	191	9.8	1.8	9.6	12
300	9295	9713	8910	-45	-18.6	-60.3	-48.9	187	11.9	1.4	11.8	14
250	10492	11054	10068	-52.4	-26.5	-67.3	-57.7	185	13.6	1.2	13.5	15.3
200	11915	12494	11499	-55.5	-36.7	-69.1	-64.2	180	11.9	-0.1	11.9	13.1
175	12764	13403	12351	-55.6	-40.1	-68.9		179	5.2	-0.1	5.2	5.5
150	13735	14425	13325	-57	-43.1	-67.7		173	4.3	-0.5	4.3	4.6
125	14882	15490	14400	-59.2	-44.7	-71.1		186	1.8	0.2	1.8	2.2
100	16261	16860	15839	-61.3	-46.1	-72.5		185	1.1	0.1	1.1	1.1
80	17644	18236	17200	-61.6	-42.3	-72.1		135	0.4	-0.3	0.3	0.6
70	18498	19100	18000	-61.3	-45.5	-72.1		146	0.4	-0.2	0.3	0.5
60	19271	20078	18980	-60.1	-48.1	-71.5		180	0.1	0	0.1	0.1
50	20581	21258	20089	-57.9	-46.1	-69.1						
40	22016	22672	21499	-55	-39.3	-70.9						
30	23900	24492	23278	-50.8	-35.1	-63.1						
25	25088	25690	24429	-48.7	-33.9	-61.5						
20	26569	27211	25778	-45.8	-28.3	-58.7						
15	28484	29005	27681	-43	-28.1	-56.1						
10	31072	31914	30528	-44.4	-27.5	-54.1						
7	33496	34098	32800	-43.1	-32.1	-52.9						

FREEZING LEVEL

P	Height	H_max	H_min
720	2870	5678	1590

FIRST TROPOPAUSE

P	Height	Temp
230	11100	-57.4

SECOND TROPOPAUSE

P	Height	Temp
89	17183	-63.4

Srinagar **42027** **Station height** **1533** **April**

PRESSURE	HEIGHT	Hmax	Hmin	TEMP	TMAX	TMIN	DEWPT	DIR	VELO	U	V	VM
SURFACE	841.8	892	832	8.7	16	0.2	6.5	315	0.1	0.1	-0.1	0.7
1000	147	198	99									
950	581	626	536									
925	805	847	762									
900	1034	1073	992									
850	1509	1549	1470									
800	2008	2100	1915	8.3	19.2	-3.3	4.1	338	0.5	0.2	-0.5	1.7
750	2531	2680	2400	5.8	15.2	-12.4	0.8	315	0.6	0.4	-0.4	1.9
700	3099	3192	2926	2.6	11.8	-15.6	-2.9	326	0.4	0.2	-0.3	2.1
650	3686	3830	3560	-1	9	-12.3	-7.4	310	0.8	0.6	-0.5	2.9
600	4329	4461	4206	-5.2	5.6	-17.7	-12.1	257	0.9	0.9	0.2	3.9
550	5016	5200	4830	-9.9	4.7	-23.5	-16.8	204	2	0.8	1.8	5.4
500	5736	5913	5560	-14.9	3.2	-31.5	-22	194	3.3	0.8	3.2	6.5
450	6526	6759	6300	-20.4	-1.2	-42.1	-27.3	185	4.9	0.4	4.9	7.6
400	7386	7683	7104	-26.7	-7	-48.4	-33.2	181	6.8	0.1	6.8	9.3
350	8333	8617	8040	-33.8	-13.1	-52.2	-40	177	8.3	-0.4	8.3	11.2
300	9402	9678	9080	-41.9	-20.9	-61.4	-46.7	174	10.9	-1.1	10.8	13.6
250	10615	10950	10255	-50.2	-27	-65.1	-51.4	175	12	-1.1	11.9	14.1
200	12053	12564	11651	-55.8	-32.3	-69.1	-52.2	172	10.4	-1.4	10.3	12.3
175	12899	13439	12461	-56.7	-37.5	-75.5		174	5.6	-0.6	5.6	6.7
150	13872	14482	13430	-57.5	-43.7	-69.7		168	5.6	-1.2	5.5	6.8
125	15027	15573	14520	-59.9	-46.1	-73.9		176	2.7	-0.2	2.7	3.4
100	16400	17041	15858	-62.6	-47.9	-73.9		170	1.1	-0.2	1.1	1.7
80	17766	18461	17200	-63.2	-48.9	-76.1						
70	18607	19400	18020	-62.4	-48.1	-75.9						
60	19122	20333	18988	-60.9	-43.3	-72.7						
50	20683	21529	20078	-58.4	-44.9	-72.9						
40	22093	23019	21577	-55.2	-37.5	-72.9						
30	23972	24956	23465	-51.4	-36.3	-70.5						
25	25164	26194	24554	-50	-37.1	-69.1						
20	26637	27722	25975	-47.8	-35.1	-67.3						
15	28573	29718	27785	-45.3	-32.9	-60.7						
10	31236	32568	30361	-43.4	-30.3	-57.1						
7	33483	33700	33072	-41.6	-38.9	-44.5						

FREEZING LEVEL

P	Height	H_max	H_min
665	3517	6550	1750

FIRST TROPOPAUSE

P	Height	Temp
213	11693	-58

SECOND TROPOPAUSE

P	Height	Temp
93	17000	-65.4

Srinagar 42027 Station height 1533 May

PRESSURE	HEIGHT	Hmax	Hmin	TEMP	TMAX	TMIN	DEWPT	DIR	VELO	U	V	VM
SURFACE	840.1	894	828	12.1	20.4	3	9.8	326	0.4	0.2	-0.3	0.8
1000	100	117	74									
950	540	558	512									
925	768	785	739									
900	1000	1018	970									
850	1482	1499	1450									
800	1996	2078	1881	12.1	21.8	-0.3	7.3	330	0.8	0.4	-0.7	1.8
750	2528	2620	2400	9.7	20.8	-4.3	4	333	0.2	0.1	-0.2	1.9
700	3102	3213	2971	6.3	19.8	-7.1	0	135	0.1	-0.1	0.1	2.1
650	3698	3820	3500	2.7	16.2	-9.9	-4.5	90	0.1	-0.1	0	3.1
600	4348	4493	4200	-1.6	10.3	-15.2	-9.4	167	0.9	-0.2	0.9	3.9
550	5047	5200	4890	-6.5	6.5	-17.1	-14.4	171	1.9	-0.3	1.9	4.9
500	5773	5943	5573	-11.7	3	-22.1	-20	173	3.2	-0.4	3.2	6.1
450	6576	6800	6300	-17.1	-0.5	-27.9	-25.4	177	4.4	-0.2	4.4	7
400	7446	7665	7050	-23.3	-4	-36.5	-31.6	179	6.2	-0.1	6.2	8.9
350	8410	8710	8020	-30.2	-8.2	-44.7	-38	179	8	-0.2	8	10.8
300	9493	9902	9032	-37.8	-10.8	-57.3	-45	179	10.7	-0.2	10.7	13.4
250	10732	11294	10222	-45.6	-15.1	-64.3	-53.1	176	12.2	-0.8	12.2	15
200	12197	12911	11662	-52.2	-36.3	-67.5	-69.8	176	10.9	-0.8	10.9	13.3
175	13048	13573	12534	-54.9	-44.1	-67.9		174	6.1	-0.6	6.1	7.6
150	14027	14582	13513	-57.6	-47.1	-71.5		179	5	-0.1	5	6.2
125	15173	15730	14650	-62.1	-51.9	-75.5		187	2.5	0.3	2.5	3.4
100	16535	17116	16057	-65.8	-51.7	-84.9		186	2	0.2	2	3
80	17884	18471	17400	-66.5	-49.7	-84.9		169	0.5	-0.1	0.5	1
70	18704	19300	18240	-65	-44.5	-81.9		180	0.2	0	0.2	0.8
60	19314	20239	19220	-62.4	-40.5	-77.5		360	0.2	0	-0.2	0.4
50	20751	21218	20306	-58.9	-40.7	-72.9		135	0.1	-0.1	0.1	0.6
40	22167	22655	21630	-55.1	-39.9	-67.5		76	0.4	-0.4	-0.1	0.5
30	24025	24542	23399	-51.5	-39.3	-64.3		79	0.5	-0.5	-0.1	0.7
25	25188	25710	24500	-49.1	-36.5	-64.5		76	0.4	-0.4	-0.1	0.6
20	26685	27293	26078	-46.9	-34.5	-58.5		63	0.7	-0.6	-0.3	0.7
15	28598	29222	27906	-44.8	-31.3	-56.1		79	0.5	-0.5	-0.1	0.5
10	31311	32020	30760	-42.1	-30.5	-55.5		56	1.1	-0.9	-0.6	1.2
7	33812	34527	33320	-39.4	-33.2	-48.5		99	1.2	-1.2	0.2	1.5

FREEZING LEVEL

P	Height	H_max	H_min
621	4093	6552	1940

FIRST TROPOPAUSE

P	Height	Temp
210	11877	-55.4

SECOND TROPOPAUSE

P	Height	Temp
91	17206	-69

Srinagar 42027 Station height 1533 June

PRESSURE	HEIGHT	Hmax	Hmin	TEMP	TMAX	TMIN	DEWPT	DIR	VELO	U	V	VM
SURFACE	836.3	875	828	15.9	26	9	13.3	333	0.2	0.1	-0.2	0.6
1000	14	98	-90									
950	473	543	401									
925	697	772	605									
900	935	1007	847									
850	1428	1494	1349									
800	1964	2077	1875	16	27.8	7	11.1	338	0.5	0.2	-0.5	1.8
750	2508	2630	2390	13.7	24.8	4.4	7.6	153	0.2	-0.1	0.2	2
700	3086	3199	2994	10.4	23.8	-2.5	3.8	146	0.7	-0.4	0.6	2.3
650	3695	3800	3520	6.4	18.4	-10.7	-0.3	162	0.9	-0.3	0.9	3.1
600	4349	4469	4264	2.1	16.1	-9.1	-5.1	155	1.4	-0.6	1.3	3.7
550	5062	5200	4900	-2.6	13.6	-12.7	-10.5	155	1.9	-0.8	1.7	4.4
500	5793	5940	5689	-7.7	13.1	-18.1	-16	166	2.5	-0.6	2.4	5
450	6615	6810	6400	-12.8	1.2	-23.7	-21.6	177	4	-0.2	4	6.1
400	7494	7695	7286	-18.2	-4.7	-30.9	-27.5	180	6	0	6	8.1
350	8481	8841	8200	-23.8	-10.1	-39.5	-33	184	8.9	0.6	8.9	10.9
300	9592	9890	9330	-30.1	-16.7	-46.1	-39.6	183	12.1	0.6	12.1	14.6
250	10870	11233	10504	-37.5	-24.1	-58.1	-47.4	185	13.4	1.1	13.4	16
200	12381	12793	11892	-46.5	-34.7	-61.9	-73.9	184	11.9	0.9	11.9	13.9
175	13255	13700	12910	-51.9	-37.5	-67.1		194	6.4	1.6	6.2	7.7
150	14244	14725	13875	-57.7	-46.9	-71.9		196	6.1	1.7	5.9	7.2
125	15383	15930	15031	-63.9	-47.9	-75.7		207	3.1	1.4	2.8	4
100	16727	17330	16349	-69	-54.7	-78.1		198	2.2	0.7	2.1	3.3
80	18045	18715	17667	-69.3	-55.3	-80.8		203	0.8	0.3	0.7	1.3
70	18866	19544	18520	-66.8	-55.1	-80.1		146	0.4	-0.2	0.3	0.8
60	19007	20530	19440	-63.3	-50.1	-76.1		112	0.5	-0.5	0.2	0.8
50	20912	21696	20523	-59	-45.9	-72.3		90	1	-1	0	1.2
40	22323	23150	21930	-54.5	-33.1	-71.5		90	1.4	-1.4	0	1.5
30	24177	25062	23779	-50.7	-37.5	-67.5		84	2	-2	-0.2	2.2
25	25357	26280	24947	-48.6	-35.1	-62.9		90	2.3	-2.3	0	2.3
20	26803	27798	26362	-46.4	-34.1	-59.7		92	2.5	-2.5	0.1	2.6
15	28705	29765	28202	-44	-32.5	-55.9		88	3.3	-3.3	-0.1	3.5
10	31418	32578	30837	-40.7	-31.1	-50.1		84	4.4	-4.4	-0.5	4.5
7	33905	35080	33466	-35.7	-30.5	-43.3		88	10	-10	-0.4	11

FREEZING LEVEL

P	Height	H_max	H_min
578	4657	6921	2980

FIRST TROPOPAUSE

P	Height	Temp
214	11980	-50.1

SECOND TROPOPAUSE

P	Height	Temp
96	17069	-71.4

Srinagar **42027** **Station height** **1533** **July**

PRESSURE	HEIGHT	Hmax	Hmin	TEMP	TMAX	TMIN	DEWPT	DIR	VELO	U	V	VM
SURFACE	834.3	841	828	19.1	25.4	10	17	360	0.1	0	-0.1	0.6
1000	2	41	-55									
950	453	491	403									
925	686	724	639									
900	924	962	880									
850	1418	1456	1381									
800	1948	2070	1817	18.5	26.2	10.4	14.7	56	0.4	-0.3	-0.2	1.9
750	2496	2625	2309	15.8	23.4	6.2	11.6	124	0.7	-0.6	0.4	2.1
700	3079	3215	2931	12.3	21	3.6	8.3	146	0.7	-0.4	0.6	2.1
650	3696	3830	3479	8.4	18.8	-0.7	4.4	158	0.5	-0.2	0.5	2.3
600	4351	4513	4169	4.4	16.4	-7.9	-0.4	149	0.6	-0.3	0.5	2.7
550	5077	5200	4839	0.3	13.3	-10.3	-6.1	171	0.6	-0.1	0.6	3.4
500	5810	5988	5574	-4.2	10.8	-15.7	-11.7	198	1.3	0.4	1.2	3.9
450	6650	6816	6160	-8.6	7.3	-18.9	-17.1	198	2.5	0.8	2.4	5.2
400	7539	7802	7241	-13.3	6	-24.3	-22.7	198	4.2	1.3	4	6.9
350	8544	8807	8200	-18.9	-5.4	-32.1	-27.5	198	5.9	1.8	5.6	8.6
300	9677	9973	9301	-25.9	-11.8	-49.5	-34.2	198	7.4	2.3	7	9.9
250	10977	11279	10565	-34.6	-24.5	-48.9	-42.3	196	8.1	2.3	7.8	10.5
200	12501	12864	12022	-45.3	-31.5	-62.9	-55.4	197	7	2	6.7	9
175	13373	13789	12844	-52.1	-39.6	-69.3	-55	199	3.6	1.2	3.4	5
150	14353	14742	13762	-59.1	-44.3	-75.1		207	2.7	1.2	2.4	4.2
125	15481	15886	14810	-66.1	-49.1	-82.9		229	1.1	0.8	0.7	2.5
100	16807	17308	16072	-70.7	-51.1	-86.1		252	0.9	0.9	0.3	2.2
80	18128	18710	17390	-69.7	-54.1	-86.3		270	0.4	0.4	0	0.7
70	18942	19580	18240	-66.7	-50.1	-78.7		90	0.1	-0.1	0	0.6
60	17787	20532	19154	-63	-43.7	-76.1		90	0.5	-0.5	0	0.9
50	20989	21707	20272	-58.5	-41.5	-70.9		83	0.8	-0.8	-0.1	1
40	22395	23129	21729	-54.6	-36.7	-67.5		86	1.4	-1.4	-0.1	1.5
30	24235	25059	23571	-51.5	-33.1	-65.5		90	2.2	-2.2	0	2.3
25	25395	26300	24730	-50	-31.1	-63.9		88	2.9	-2.9	-0.1	3
20	26860	27843	26344	-48	-36.3	-62.1		90	3.3	-3.3	0	3.4
15	28748	29842	28172	-44.9	-34.5	-53.7		88	5.6	-5.6	-0.2	5.8
10	31441	32680	30807	-41.8	-31.1	-52.7		86	6.5	-6.5	-0.4	6.7
7	33970	34715	33512	-36.7	-27.1	-49.5		91	8.6	-8.6	0.2	8.7

FREEZING LEVEL

P	Height	H_max	H_min
548	5126	7421	3600

FIRST TROPOPAUSE

P	Height	Temp
244	11536	-49.4

SECOND TROPOPAUSE

P	Height	Temp
100	16883	-72.9

Srinagar **42027** **Station height** **1533** **August**

PRESSURE	HEIGHT	Hmax	Hmin	TEMP	TMAX	TMIN	DEWPT	DIR	VELO	U	V	VM
SURFACE	835.7	884	828	18.5	30	10.8	16.4	333	0.2	0.1	-0.2	0.6
1000	16	60	-54									
950	465	506	400									
925	697	735	635									
900	935	971	875									
850	1427	1457	1372									
800	1960	2021	1897	18.1	27.2	10	14.6	68	0.5	-0.5	-0.2	1.8
750	2505	2620	2400	15.6	25	5.8	11.7	111	0.9	-0.8	0.3	2
700	3089	3169	3004	12	21.6	3.4	8.3	140	0.8	-0.5	0.6	1.8
650	3704	3840	3600	8.2	18.2	-0.5	4.3	153	0.4	-0.2	0.4	1.9
600	4360	4562	4259	4.1	16.4	-4.7	-0.7	180	0.3	0	0.3	2.5
550	5087	5270	4950	0	13	-10.5	-6.3	202	0.5	0.2	0.5	3
500	5819	6025	5695	-4.3	11.1	-14.9	-11.8	210	1.4	0.7	1.2	3.8
450	6659	6890	6495	-8.7	8.2	-21	-16.6	207	2.7	1.2	2.4	4.9
400	7546	7786	5716	-13.4	6.1	-37.5	-21.9	202	4.5	1.7	4.2	6.7
350	8551	8800	8300	-19.1	-1	-31.1	-27.7	198	6	1.8	5.7	8.2
300	9688	10000	9385	-26.3	-7	-40.3	-34.7	198	7.6	2.3	7.2	9.6
250	10983	11305	10655	-35.1	-11	-50.1	-43.4	198	8.2	2.5	7.8	10.3
200	12507	13000	12096	-45.9	-24	-65.1	-58.3	195	6.8	1.8	6.6	8.8
175	13383	13811	12900	-52.4	-39.1	-68.1		192	3.4	0.7	3.3	4.6
150	14367	14838	13845	-59.3	-45.3	-76.5		198	2.2	0.7	2.1	3.7
125	15500	16015	14980	-65.6	-50.1	-81.7		254	0.7	0.7	0.2	1.7
100	16843	17409	16240	-69.8	-54.1	-80.1		278	0.7	0.7	-0.1	1.6
80	18157	18637	17650	-68.3	-46.1	-79.7		270	0.2	0.2	0	0.8
70	18971	19480	18500	-65.5	-41.1	-76.7		18	0.3	-0.1	-0.3	0.6
60	17182	20410	19432	-61.8	-37.3	-72.1		45	0.3	-0.2	-0.2	0.6
50	21025	21533	20600	-57.4	-38.9	-71.5		63	0.7	-0.6	-0.3	0.7
40	22423	22969	21960	-53.8	-39.7	-67.7		75	1.1	-1.1	-0.3	1.2
30	24277	24847	23772	-50.5	-35.7	-65.1		83	1.6	-1.6	-0.2	1.7
25	25438	26150	24880	-49.4	-36.1	-63.3		83	2.5	-2.5	-0.3	2.8
20	26914	27666	26363	-46.9	-32.1	-61.1		90	3.1	-3.1	0	3.1
15	28762	29360	28324	-45.5	-36.5	-56.3		89	5.4	-5.4	-0.1	5.5
10	31446	32146	31080	-43.3	-36.7	-55.9		94	8.1	-8.1	0.5	8.5
7	33905	34590	33356	-40.2	-34.3	-55.7		88	11.9	-11.9	-0.5	12

FREEZING LEVEL

P	Height	H_max	H_min
549	5103	7272	3600

FIRST TROPOPAUSE

P	Height	Temp
150	13940	-76.5

SECOND TROPOPAUSE

P	Height	Temp
101	16868	-71.5

Srinagar 42027 Station height 1533 September

PRESSURE	HEIGHT	H max	H min	TEMP	TMAX	TMIN	DEWPT	DIR	VELO	U	V	VM
SURFACE	839.7	849	833	13.6	22.2	6.2	12	315	0.1	0.1	-0.1	0.4
1000	115	161	64									
950	551	598	500									
925	773	823	700									
900	1013	1053	960									
850	1492	1529	1440									
800	1996	2062	1929	14.5	23.4	3.2	9.2	45	0.3	-0.2	-0.2	1.8
750	2533	2640	2400	12.3	22	-5.8	6	117	0.4	-0.4	0.2	1.9
700	3113	3191	2991	8.9	18.4	-6.6	2.3	180	0.2	0	0.2	1.9
650	3717	3840	3569	5.1	14.8	-7.5	-2.3	304	0.4	0.3	-0.2	2.4
600	4369	4481	4190	0.9	12.3	-9.7	-7.6	270	0.4	0.4	0	3.3
550	5077	5230	4859	-3.6	9.7	-15.1	-12.9	238	0.9	0.8	0.5	4.2
500	5810	5952	5583	-8.4	7.3	-19.5	-18.1	216	2.2	1.3	1.8	5
450	6628	6820	6361	-13.2	2.2	-25.9	-22.8	202	4	1.5	3.7	6.8
400	7507	7742	7187	-18.6	-0.9	-35.2	-27.9	197	6.8	2	6.5	9.6
350	8487	8788	8240	-24.4	-5.1	-37.3	-33.7	196	9.7	2.6	9.3	12.2
300	9601	9906	9314	-31.3	-19.1	-45.5	-40.5	195	12.9	3.3	12.5	15.4
250	10873	11246	10560	-39.2	-28.9	-55.3	-49.5	195	15.1	3.8	14.6	17.5
200	12369	12806	12030	-48.9	-36.3	-65.1	-73.1	193	12.6	2.8	12.3	14.7
175	13228	13595	12870	-54.7	-41.9	-70.7		203	5.8	2.3	5.3	7.1
150	14195	14600	13783	-60.9	-46.1	-78.5		207	4.4	2	3.9	5.7
125	15311	15748	14900	-66.5	-50.9	-77.1		240	2.4	2.1	1.2	3.1
100	16633	17154	16108	-69.5	-54.9	-79.3		242	1.9	1.7	0.9	2.5
80	17953	18545	17487	-67.3	-51.3	-79.9		243	0.7	0.6	0.3	1
70	18773	19350	18380	-64.6	-50.7	-75.1		202	0.5	0.2	0.5	0.7
60	19394	20278	19300	-61.2	-44.5	-69.7		180	0.2	0	0.2	0.4
50	20834	21303	20440	-56.8	-44.5	-65.9		135	0.3	-0.2	0.2	0.5
40	22261	22737	21860	-53.5	-40.1	-67.1		104	0.4	-0.4	0.1	0.9
30	24092	24611	23691	-50.4	-34.7	-61.1		67	0.8	-0.7	-0.3	1.2
25	25238	25628	24661	-48.9	-34.9	-60.1		97	0.8	-0.8	0.1	1.3
20	26663	27117	25600	-47.8	-33.3	-58.1		107	1	-1	0.3	1.7
15	28571	29096	27516	-45.6	-36.1	-54.3		90	1.7	-1.7	0	2.2
10	31265	31934	30181	-42.6	-32.9	-49.1		71	3.1	-2.9	-1	3.8
7	33834	35615	33349	-39.8	-29.7	-48.1		70	7.5	-7	-2.6	7.8

FREEZING LEVEL

P	Height	H max	H min
589	4535	7000	2072

FIRST TROPOPAUSE

P	Height	Temp
230	11495	-59.3

SECOND TROPOPAUSE

P	Height	Temp
105	16348	-71.6

Srinagar 42027 Station height 1533 October

PRESSURE	HEIGHT	H max	H min	TEMP	TMAX	TMIN	DEWPT	DIR	VELO	U	V	VM
SURFACE	844.1	896	834	6.6	15.2	-1.1	5.5	333	0.2	0.1	-0.2	0.5
1000	178	227	111									
950	612	661	554									
925	835	885	782									
900	1064	1114	1015									
850	1542	1588	1498	5.2	8.4	2.8	4.3	180	0.2	0	0.2	0.2
800	2028	2106	1903	8.9	21	-1.1	2.3	338	0.5	0.2	-0.5	1.5
750	2555	2670	2400	6.8	18.1	-2.7	-1	288	0.3	0.3	-0.1	1.5
700	3122	3186	2985	3.4	16.1	-6.7	-5.1	270	0.1	0.1	0	1.8
650	3710	3820	3560	-0.3	13.7	-10.3	-9.7	309	0.6	0.5	-0.4	2.5
600	4355	4468	4204	-4.6	14.4	-15.1	-14.7	262	0.7	0.7	0.1	3.5
550	5043	5190	4890	-9.4	10.6	-19.3	-19.4	214	1.4	0.8	1.2	4.2
500	5764	5969	5587	-14.4	7.1	-23.5	-24.5	196	2.9	0.8	2.8	5.5
450	6555	6829	6360	-19.9	4.8	-30.5	-30.1	193	4.7	1.1	4.6	7.2
400	7419	7991	7197	-26	1.7	-46.9	-35.8	191	7.1	1.3	7	9.5
350	8367	8692	8120	-32.6	-14.6	-47.5	-42.2	187	9.6	1.2	9.5	11.9
300	9442	9846	9125	-39.6	-19.3	-55.7	-50.5	187	12.3	1.6	12.2	14.4
250	10669	11064	10301	-46.7	-30.7	-63.3	-62.5	187	13.2	1.7	13.1	15.5
200	12127	12599	11680	-53.2	-38.7	-67.3	-79.9	185	12	1.1	11.9	14
175	12971	13422	12510	-56.7	-44.1	-66.9		201	5.6	2	5.2	6.8
150	13934	14384	13467	-60.2	-47.7	-70.9		204	4.8	2	4.4	6
125	15070	15590	14600	-63.5	-50.1	-76.3		222	2.5	1.7	1.9	3.3
100	16416	16944	15766	-65.5	-51.7	-75.5		245	1.7	1.5	0.7	1.9
80	17766	18324	17145	-64.9	-52.1	-75.5		264	1	1	0.1	1
70	18593	19160	18220	-63.4	-48.5	-73.9		256	0.8	0.8	0.2	1.1
60	19454	20142	18927	-61.3	-42.3	-70.1		288	0.6	0.6	-0.2	0.7
50	20643	21305	20065	-58.9	-42.9	-73.1		284	0.4	0.4	-0.1	0.5
40	22050	22743	21488	-55.7	-38.1	-64.3		288	0.3	0.3	-0.1	0.6
30	23880	24647	23356	-52.9	-43.7	-62.3		301	0.6	0.5	-0.3	0.9
25	25040	25810	24500	-51.2	-41.5	-61.5		292	0.5	0.5	-0.2	0.9
20	26507	27335	25650	-49.2	-38.7	-60.3		278	0.7	0.7	-0.1	1
15	28401	29390	27600	-46.4	-35.1	-56.1		246	1	0.9	0.4	1.4
10	31099	31770	30583	-43.5	-34.3	-52.5		290	1.2	1.1	-0.4	1.4
7	33659	34340	33264	-40.3	-31.1	-46.9		241	3.3	2.9	1.6	3.4

FREEZING LEVEL

P	Height	H max	H min
656	3660	6580	1590

FIRST TROPOPAUSE

P	Height	Temp
187	12604	-59.8

SECOND TROPOPAUSE

P	Height	Temp
100	16556	-67.3

Srinagar 42027 Station height 1533 November

PRESSURE	HEIGHT	H max	H min	TEMP	TMAX	TMIN	DEWPT	DIR	VELO	U	V	VM
SURFACE	846.1	898	837	1.8	9.6	-3.3	0.8	315	0.3	0.2	-0.2	0.5
1000	226	281	179									
950	644	700	588									
925	865	923	810									
900	1094	1146	1050									
850	1572	1614	1521	0.1	4.7	-2.5	-1.5	34	0.4	-0.2	-0.3	1.2
800	2041	2147	1929	4.4	13.5	-4.8	-1.8	321	0.6	0.4	-0.5	1.5
750	2562	2680	2420	2.6	13	-10.1	-5.1	270	0.2	0.2	0	1.3
700	3120	3261	3000	-0.1	9.6	-10.8	-9.3	315	0.1	0.1	-0.1	1.8
650	3703	3840	3220	-3.3	7.5	-14.3	-13.8	315	1.1	0.8	-0.8	2.7
600	4339	4482	4208	-7.4	6.6	-17.7	-18.2	278	1.4	1.4	-0.2	3.6
550	5021	5200	4840	-12.2	2.4	-24.7	-22.3	221	2.3	1.5	1.7	4.9
500	5732	5890	5577	-17.3	-0.5	-29.1	-27	199	3.9	1.3	3.7	6.8
450	6516	6700	6310	-22.8	-4.8	-34.1	-31.7	194	6.4	1.5	6.2	9
400	7368	7591	7149	-29	-12.8	-40.9	-37.2	187	8.6	1.1	8.5	11.4
350	8307	8536	8020	-35.7	-18.7	-48.7	-43.5	185	10.3	0.9	10.3	13.2
300	9367	9627	8966	-43	-27.1	-53.9	-49.6	183	12.7	0.7	12.7	15.7
250	10577	10882	10124	-50.3	-29.3	-63.1	-56.4	180	13.3	0.1	13.3	15.9
200	12014	12395	11600	-56.2	-39.1	-70.1	-74.6	178	10.8	-0.4	10.8	13.1
175	12854	13305	12439	-58.4	-45.1	-70.1		183	4.5	0.2	4.5	6.1
150	13810	14318	13379	-60.4	-47.5	-76.1		188	4.4	0.6	4.4	6.2
125	14941	15356	14520	-62.7	-49.9	-77.3		220	1.6	1	1.2	2.8
100	16286	16710	15863	-64.2	-51.1	-76.5		230	1.7	1.3	1.1	2.9
80	17636	18074	17261	-63.8	-53.1	-76.5		270	1.5	1.5	0	1.5
70	18474	19010	18100	-62.6	-51.5	-77.1		270	1.2	1.2	0	1.2
60	19420	19897	19060	-61.4	-52.3	-76.5		276	0.9	0.9	-0.1	0.9
50	20538	21050	20168	-58.9	-48.7	-75.1		280	1.1	1.1	-0.2	1.2
40	21957	22468	21527	-56.6	-44.1	-72.1		284	0.8	0.8	-0.2	0.9
30	23815	24304	23221	-52.9	-39.1	-62.1		280	1.1	1.1	-0.2	1.1
25	24993	25490	24350	-51.4	-43.1	-60.7		274	1.5	1.5	-0.1	1.5
20	26434	27353	25685	-49.7	-40.7	-58.9		266	1.6	1.6	0.1	1.6
15	28249	28789	27597	-46.9	-35.7	-56.3		279	1.9	1.9	-0.3	2
10	30957	31276	30624	-44.1	-38.2	-53.7		260	2.8	2.8	0.5	2.8
7	33289	33289	33289	-45.5	-45.5	-45.5						

FREEZING LEVEL

P	Height	H_max	H_min
705	3087	5569	1500

FIRST TROPOPAUSE

P	Height	Temp
215	11611	-58.3

SECOND TROPOPAUSE

P	Height	Temp
102	16286	-66.2

Srinagar **42027** **Station height** **1533** **December**

PRESSURE	HEIGHT	H max	H min	TEMP	TMAX	TMIN	DEWPT	DIR	VELO	U	V	VM
SURFACE	846.6	856	831	-0.4	6.8	-6.3	-1.4	333	0.2	0.1	-0.2	0.4
1000	219	278	163									
950	640	696	583									
925	857	912	798									
900	1079	1132	1019									
850	1578	1646	1475	-1.5	5	-6.3	-2.5	333	0.2	0.1	-0.2	0.4
800	2041	2121	1918	0.7	9.6	-9.1	-3.9	315	0.3	0.2	-0.2	1.3
750	2556	2680	2400	-1.2	9.8	-10.3	-7.1	297	0.2	0.2	-0.1	1.2
700	3105	3200	2980	-3.4	8	-14.3	-11	309	0.6	0.5	-0.4	1.9
650	3684	3830	3530	-6.2	6.1	-18.9	-15.3	306	1.4	1.1	-0.8	2.8
600	4311	4419	4177	-10.1	3.4	-22.3	-19.5	273	1.9	1.9	-0.1	3.7
550	4989	5150	4830	-14.7	0.3	-26.9	-23.7	229	2.8	2.1	1.8	4.8
500	5691	5870	5521	-19.6	-0.9	-36.5	-27.8	207	4.4	2	3.9	6.5
450	6469	6690	6260	-25	-6.1	-43.7	-32.3	201	6.1	2.2	5.7	8.1
400	7313	7576	7093	-31.2	-12.8	-46.2	-38.1	197	8.1	2.4	7.7	10
350	8241	8543	7990	-37.8	-21.8	-50.7	-44.6	196	9.7	2.6	9.3	11.5
300	9294	9676	8978	-45.1	-26.1	-56.1	-50.5	192	11.6	2.5	11.3	13.5
250	10486	10942	10135	-52.2	-35.4	-65.9	-61.1	189	11.4	1.7	11.3	13.3
200	11911	12451	11540	-57	-41.3	-71.5	-69.1	192	10.2	2.2	10	11.9
175	12752	13292	12387	-58.1	-46.3	-70.1		203	4.3	1.7	4	5.4
150	13701	14110	13345	-59.7	-49.1	-71.5		215	3.5	2	2.9	4.7
125	14819	15200	14500	-61.3	-51.7	-73.3		257	2.6	2.5	0.6	2.9
100	16174	16539	15861	-63	-51.7	-75.9		268	2.4	2.4	0.1	2.4
80	17552	17920	17210	-62.8	-53.5	-74.3		265	2.2	2.2	0.2	2.3
70	18387	18780	18023	-61.9	-51.1	-73.1		264	2	2	0.2	2.1
60	19341	19740	19000	-60.8	-52.7	-73.1		264	1.8	1.8	0.2	1.9
50	20479	20849	20140	-58.8	-51.3	-69.1		277	0.8	0.8	-0.1	1
40	21889	22299	21519	-56	-43.5	-69.1		281	0.5	0.5	-0.1	0.8
30	23742	24174	23373	-53.3	-38.7	-68.5		326	0.4	0.2	-0.3	1.2
25	24921	25350	24420	-51.5	-34.9	-70.1		342	0.3	0.1	-0.3	1.6
20	26406	26850	25937	-50.5	-34.1	-67.7		90	1.4	-1.4	0	1.4
15	28251	28869	27754	-49.1	-33.1	-65.1		82	1.4	-1.4	-0.2	1.5
10	30887	31284	30350	-46.6	-36.3	-61.1		38	1.1	-0.7	-0.9	1.1
7	32832	32832	32832	-58.9	-58.9	-58.9						

FREEZING LEVEL

P	Height	H_max	H_min
768	2380	5023	1450

FIRST TROPOPAUSE

P	Height	Temp
221	11331	-58.3

SECOND TROPOPAUSE

P	Height	Temp
97	16545	-64.6