GOVERNMENT OF INDIA
MINISTRY OF EARTH SCIENCES
INDIA METEOROLOGICAL DEPARTMENT

Monthly Normals of Radiosonde and Radiowind

for Indian stations (1971- 2000)

OBSERVATION TIME
1730 IST

ISSUED BY
UPPER AIR SECTION
OFFICE OF THE
ADDITIONAL DIRECTOR GENERAL
OF METEOROLOGY (RESEARCH)
INDIA METEOROLOGICAL DEPARTMENT
PUNE - 411 005

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Pune
2011

भारत सरकार
पृथ्वी विज्ञान मंत्रालय
भारत मौसम विज्ञान विभाग

रेडिओ सौन्डे और रेडिओ विंड के मासिक सामान्य मूल्य

भारतीय स्टेशनो के लिए

(1971-2000)

प्रेक्षण समय

1730 भा. मा. स.

प्रेक्षक
उपरीतन वायु जलवायु अनुभाग
मौसम विज्ञान के अपर महानिदेशक
भारत मौसम विज्ञान विभाग
पुणे
2011

P R E F A C E

Climate has great influence on our lives as it affects agriculture, commerce, industry, aviation, transportation and so on. Climate varies on all scales of space and time. Climatological normals are a useful way to describe the average conditions of a location and are useful for comparing current climatic conditions. The climatological normals find wide applications in operational, research and educational institutes besides among many other individual users. The World Meteorological Organization (WMO) defines normals as "period averages computed for a uniform and relatively long period comprising at least three consecutive 10 year periods",whereas period averages are arithmetic averages of climatological data computed for shorter periods of at least ten years. It may be mentioned that as per the standing practice the averages for the periods less than 30 years are not regarded as giving the "normal" values but they may be treated as period averages.

The India Meteorological Department has been publishing climatological normals of important meteorological parameters from time to time since 1904. First Radiosonde / Radiowind (RS/RW) station started taking upper air observations at New Delhi in December 1943. Seven stations were recording RS/RW data up to 1950. Gradually, the demand for upper air data increased and more number of RS/RW stations were added in the network. Presently, there is a network of 39 RS/RW stations in India. There is also significant change from the point of view of technology. Prior to year 2000, the upper air data was analyzed manually, however, now it is handled through sophisticated softwares. Upper Air Section, O/o Additional Director General of Meteorology (Research), IMD, Pune is publishing normals of Radiosonde and Radiowind data since 1979. The publication contains 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, scalar wind speed at standard pressure levels. Besides, it also contains normal values of pressure and altitude of freezing level pressure, altitude and temperature of tropopause.

The first publication on normals of Radiosonde data for 9 stations for the period 1968-75 was published in 1979. Second publication in this series on normals of Radiosonde data for 25 stations for the period 1971-80 was published in 1988 for 0000 UTC and 1200 UTC. The third and the last publication in this series on normals of Radiosonde and Radiowind data of 35 stations for the period 1971-90 was published in 2003 for 0000 UTC and 1200 UTC .The present publication on normals of Radiosonde and Radiowind data of 35 stations ,fourth in the series, has been updated for the data period 1971 to 2000 for 35 Indian stations for 1200 UTC (1730 IST). This publication has been prepared under the overall guidance of Dr. A. L. Koppar, DDGM (C). The entire work of this publication has been done by a group of officers and staff members led by Shri. I. J. Verma, Director, Upper Air Section, IMD, Pune. The group comprises of Smt. S. S. Erande, Shri. R. M. Walke, Shri N. D. Sabale and Shri. R. V. Ghoge. I appreciate the help rendered by entire team of officers and staff of Upper Air section and DTP section for bringing out this useful publication.

It is hoped that the information generated would prove to be useful to the scientific community, operational, research and educational institutes and many other individual users.

New Delhi
2011

Ajit Tyagi
Director General of Meteorology

प्रस्तावना

जलवायु का हमारे जीवन पर बहुत गहरा प्रभाव है, यह कृषि, वाणिज्य, उद्योग, विमानन, यातायात और अन्य अनेक क्षेत्रों को प्रभावित करता है । स्थान और समय के सभी मानदंडों पर जलवायु भिन्न होती है । किसी स्थान की औसत स्थितियों का वर्णन करने में तथा वर्तमान जलवायवी स्थितियों की तुलना के लिए जलवायवी सामान्य मूल्य उपयुक्त मार्ग है । संक्रियात्मक अनुसंधान एवं शैक्षणिक संस्थाओं के अलावा कई अन्य वैयक्तिक उपयोगकर्ताओं द्वारा जलवायवी सामान्य मूल्य का प्रयोग किया जाता है । विश्व मौसम संगठन (डब्ल्यु.एम.ओ.) सामान्य मूल्य को इस प्रकार परिभाषित करता है – "कम से कम लगातार तीन बार 10 वर्ष की अवधि के एक समान तथा दीर्घावधि के लिए अवधि औसतों का परिकलन" जबकि अवधि औसत कम से कम दस वर्षों की अल्प अवधियों के लिए परिकलित जलवायवी आंकडों के गणितीय औसत है । यह भी उल्लिखित करना आवश्यक होगा कि स्थायी पद्धति के अनुसार 30 वर्षों से कम अवधियों के लिए औसतों को 'सामान्य मूल्य' नहीं माना जाएगा बल्कि उन्हें अवधि औसत माना जाएगा ।

भारत मौसम विज्ञान विभाग 1904 से समय-समय पर महत्वपूर्ण मौसम विज्ञान पैरामीटरों के जलवायवी सामान्य मूल्य प्रकाशित करता रहा है । दिसम्बर, 1943 में नई दिल्ली में सबसे पहले रेडियो सौन्डे/रेडियो विन्ड (RS/RW) स्टेशन ने उपरितन वायु प्रेक्षण लेना आरंभ किया । 1950 तक सात स्टेशन आर.एस. /आर.डब्ल्यु. आंकडों का रिकार्डिंग कर रहे थे । धीरे-धीरे, उपरितन वायु आंकडों की मांग बढती गई तथा और अधिक संख्या में आर.एस. /आर.डब्ल्यु. स्टेशन नेटवर्क में जोडे गए । वर्तमान में, भारत में 39 आर.एस. /आर.डब्ल्यु. स्टेशनों का नेटवर्क है । प्रोद्यौगिकी के दृष्टिकोण से भी सार्थक परिवर्तन हुआ है । वर्ष 2000 से पूर्व, उपरितन वायु आंकडें हस्त कौशल्य से विश्लेषित किए जाते थे, जबकि अब इन्हें परिष्कृत साफ्टवेयरों के माध्यम से विश्लेषित किया जाता है । उपरितन वायु अनुभाग, मौसम विज्ञान के अपर महानिदेशक (अनुसंधान) का कार्यालय, आई.एम.डी., पुणे 1979 से रेडियो सौन्डे और रेडियो विंड आंकडों के सामान्य मूल्य प्रकाशित कर रहा है । प्रकाशन में मानक दाब स्तरों की ऊंचाई (औसत, उच्चतम और न्यूनतम), उपरितन वायु तापमान (औसत, उच्चतम, न्यूनतम तथा ओसांक) के सामान्य मूल्य, परिणामतया औसत वायु दिशा, परिणामतया औसत वायु वेग, मानक दाब स्तरों पर स्केलर वायु गति समाविष्ट है । इसके अलावा, इसमें दाब के सामान्य मूल्य और हिमतल दाब की ऊंचाई, क्षोभमण्डलीय सीमा की ऊंचाई एवं तापमान भी सम्मिलित है।

1968-75 अवधि के लिए 9 स्टेशनों हेतु रेडियो सौन्डे आंकड़ों के सामान्य मूल्यों पर पहला प्रकाशन 1979 में प्रकाशित किया गया । इस श्रंखला में दूसरा प्रकाशन 0000 यू.टी.सी. तथा 1200 यु.टी.सी. के लिए 1971-80 अवधि हेतु 25 स्टेशनों के लिए रेडियो सौन्डे आंकडों का सामान्य मूल्य वर्ष 1988 में प्रकाशित किया गया था । इस श्रंखला में तीसरा और अंतिम प्रकाशन, 0000 यू.टी.सी. तथा 1200 यू.टी.सी. के लिए 1971-90 अवधि हेतु 35 स्टेशनों का रेडियो सौन्डे और रेडियो विंड आंकड़ों का सामान्य मूल्य वर्ष 2003 में प्रकाशित किया गया था । 35 स्टेशनों का रेडियो सौन्डे एवं रेडियो विंड का सामान्य मूल्य पर वर्तमान प्रकाशन, श्रंखला में चौथा, 1200 यू.टी.सी. (1730 भा.मा.स.) के लिए 35 स्टेशनों हेतु 1971 - 2000 अवधि आंकड़ों के लिए अपडेट किया गया है । यह प्रकाशन डा. ए.एल.कोप्पर, मौसम विज्ञान के उपमहानिदेशक (जलवायु विज्ञान) के सर्वोपरी मार्गदर्शन अंतर्गत बनाया गया है । इस प्रकाशन का संपूर्ण कार्य श्री आई.जे.वर्मा, निदेशक, उपरितन वायु अनुभाग, आई.एम.डी., पुणे के नेतृत्व में अधिकारियों एवं कर्मचारियों के समूह द्वारा किया गया है । इस समूह में श्रीमती एस.एस.एरन्डे, श्री आर.एम.वाल्के, श्री एन.डी.साबले और श्री आर.वी.घोगे सम्मिलित है । इस उपयुक्त प्रकाशन को प्रकाशित करने के लिए उपरितन वायु अनुभाग तथा डी.टी.पी. अनुभाग के अधिकारियों एवं कर्मचारियों के संपूर्ण समूह द्वारा दिए गए सहयोग की मैं सराहना करता हूं ।

यह आशा है कि उत्पन्न जानकारी वैज्ञानिक समुदाय, संक्रियात्मक अनुसंधान तथा शैक्षणिक संस्थाओं एवं कई अन्य वैयक्तिक उपयोगकर्ताओं के लिए उपयोगी साबित होगी ।

नई दिल्ली

2011

अजित त्यागी

मौसम विज्ञान के महानिदेशक

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Annexure-1

1. Data and Methodology

Upper Air Section, O/o ADGM (R), IMD, Pune is publishing normals of Radiosonde and Radiowind data since 1979. The last publication on normals of Radiosonde and Radiowind data was updated in 2003 for the period 1971-90 for 35 stations for 0000 UTC and 1200 UTC. The present publication on normals of Radiosonde and Radiowind data of 35 stations, has been updated for the data period 1971 to 2000 for 35 Indian stations for 1200 UTC (1730 IST). The present publication contains altitude of standard pressure levels (mean, highest and lowest), normal values of upper air temperatures (mean, highest, lowest and dew point), resultant wind direction (D), resultant wind velocity (Vr), scalar wind speed (Vm) at standard pressure levels. Besides, it also contains normal values of pressure and altitude of freezing level; pressure, altitude and temperature of tropopause. It may be mentioned that as per the standing practice the averages for the period less than 30 years are not regarded as normal values but may be treated as 'period averages'. These parameters have been calculated by using the following formulae;

$$\tan D = \frac{\sum E}{\sum N}$$

$$Vr = \frac{\sqrt{(\sum N)^2 + (\sum E)^2}}{n}$$

Where,

N = The resolved part of wind velocity in North direction (North component).

E = The resolved part of wind velocity in East direction (East component).

Vr = Mean resultant wind velocity in mps (vector mean).

Vm = Mean wind speed irrespective of direction in mps (scalar mean).

D = Mean resultant wind direction in degrees.

n = Total number of observations.

<u>अनुलग्नक –I</u>

आंकड़ें एवं क्रिया पद्धति :

उपरितन वायु अनुभाग, मौ.वि.अ.म.नि.(अनुसंधान) का कार्यालय, आई.एम.डी., पुणे में 1979 से रेडियो सौन्डे तथा रेडियो विंड के सामान्य मूल्य प्रकाशित कर रहा है । रेडियो सौन्डे तथा रेडियो विंड के सामान्य मूल्य पर पिछला प्रकाशन 2003 में अपडेट किया गया था जो 0000 यु.टी.सी. और 1200 यु.टी.सी. के लिए 35 स्टेशनों हेतु 1971-1990 की अवधि के लिए था । 35 स्टेशनों के रेडियो सौन्डे तथा रेडियो विंड के सामान्य मूल्य पर वर्तमान प्रकाशन 1200 यु.टी.सी. के लिए 35 स्टेशनों हेतु 1971 से 2000 आंकड़ां अवधि के लिए अपडेट किया गया है । वर्तमान प्रकाशन में मानक दाब स्तरों (औसत, उच्चतम और न्यूनतम) की ऊंचाई, उपरितन वायु तापमान (औसत, उच्चतम, न्यूनतम तथा ओसांक) के सामान्य मूल्य, परिणामतया वायु दिशा (D), परिणामातया वायु गति (Vr), मानक दाब स्तरों पर स्केलर गति (Vm) समाविष्ट है । इसके अलावा, इसमें दाब के सामान्य मूल्य और हिमतल दाब की ऊंचाई, क्षोभमण्डलीय सीमा की ऊंचाई एवं तापमान भी सम्मिलित है । यह उल्लिखित करना होगा कि स्थायी पद्धति अनुसार 30 वर्षों से कम अवधियों के लिए औसतों को सामान्य मूल्य नहीं माना जाएगा बल्कि उन्हें 'अवधि औसत' माना जाएगा। इन पैरामीटरों को निम्नलिखित सूत्र द्वारा परिकलित किया गया है :

$$\tan D = \frac{\sum E}{\sum N}$$

$$Vr = \frac{\sqrt{(\sum N)^2 + (\sum E)^2}}{n}$$

जहां,

N = उत्तर दिशा (उत्तर घटक) में वायु गति का विभेदित भाग ।

E = पूर्व दिशा (पूर्व घटक) में वायु गति का विभेदित भाग ।

Vr = एम.पी.एस. में औसत परिणामतया वायु वेग (वेक्टर औसत) ।

Vm = एम.पी.एस. में दिशा के अनपेक्षित औसत पवन गति(स्केलर औसत) ।

D = डिग्री में औसत परिणामतया वायु दिशा ।

n = कुल प्रेक्षणों की संख्या ।

Annexure-2

LOCATOR MAP OF RSRW STATIONS IN INDIA

Annexure-3

List of stations taking RS/RW observations and data availability.

S.No	Stations.	LAT °N (degree)	LONG °E (degree)	Elevation amsl (m)	Data Availability
1	Agartala	23.84	91.27	0016	1978-2000
2	Ahmedabad	23.03	72.61	0055	1971-2000
3	Amini	11.50	73.50	0004	1977-2000
4	Aurangabad	19.85	75.40	0579	1979-2000
5	Bangaluru	12.97	77.58	0921	1971-2000
6	Bhopal	23.28	77.33	0523	1983-2000
7	Bhubaneshwar	20.25	85.83	0046	1971-2000
8	Chennai	13.08	80.27	0016	1971-2000
9	Goa	15.38	73.83	0060	1971-2000
10	Gorakhpur	26.75	83.37	0077	1981-2000
11	Guwahati	26.10	91.58	0054	1971-2000
12	Gwalior	26.23	78.25	0207	1978-2000
13	Hyderabad	17.45	78.47	0545	1971-2000
14	Jagdalpur	19.10	820.2	0553	1979-2000
15	Jodhpur	26.28	73.03	0224	1971-2000
16	Karaikal	10.91	79.83	0007	1978-2000
17	Kochi	09.94	76.27	0003	1971-2000
18	Kolkata	22.70	88.42	0006	1971-2000
19	Lucknow	26.87	80.92	0128	1971-2000
20	Machilipatnam	16.19	81.14	0003	1982-2000
21	Mangalore	12.96	74.89	0031	1975-2000
22	Minicoy	08.27	73.06	0002	1971-2000
23	Mohanbari	27.48	95.02	0111	1978-2000
24	Mumbai	19.10	72.82	0014	1971-2000
25	Nagpur	21.09	79.09	0310	1971-2000
26	New Delhi	28.61	77.18	0216	1971-2000
27	Patiala	30.32	76.39	0251	1977-2000
28	Patna	25.60	85.10	0060	1983-2000
29	Port Blair	11.67	92.72	0079	1971-2000
30	Raipur	21.24	81.65	0625	1979-2000
31	Ranchi	23.36	85.33	0646	1978-2000
32	Siliguri	26.71	88.42	0123	1983-2000
33	Srinagar	34.08	74.83	1587	1972-2000
34	Thiruvanathapuram	08.58	76.97	0064	1971-2000
35	Vishakhapatnam	17.73	83.30	0045	1971-2000

Annexure- 4

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

SN.	***Terms***	***Description***
1	H	Mean altitude of isobaric levels in gpm.
2	T	Mean dry bulb air temperature in ºC.
3	P	Mean pressure of freezing and tropopause levels in hPa .
4	HX	Highest altitude of monthly mean values.
5	HN	Lowest altitude of monthly mean values .
6	TX	Highest value of temperature observed at particular isobaric level
7	TN	Lowest value of temperature observed at particular isobaric level
8	TD	Mean dew point temperature in ºC.
9	Vr	Mean resultant wind velocity in mps (vector mean).
10	Vm	Mean wind speed irrespective of direction in mps (scalar mean).
11	IST	Indian Standard Time.
12	DDD	Mean resultant wind direction in degrees .
13	ALT	Altitude of freezing and tropopause levels in gpm .
14	FHX	Highest altitude of freezing level of monthly mean values.
15	FHN	Lowest altitude of freezing level of monthly mean values .
16	STN(P)	Station level atmospheric pressure in whole hPa.
17	PRESSURE	Standard Pressure levels in hPa (1000 to 7 hPa)
18	FIRST TROPOPAUSE	Tropopause observed at altitude less than 14 Km .
19	SECOND TROPOPAUSE	Tropopause observed at altitude more than 14 Km .

अनुलग्नक – 4

सारणी (रेडियो सौन्डे आंकड़ों के सामान्य मूल्य) में प्रयुक्त विभिन्न शब्दों का विवरण		
क्र.सं.	**शब्द**	**विवरण**
1	H	जी.पी.एम.(gpm) में समदाब स्तरों की औसत ऊंचाई
2	T	डिग्री सेल्सियस में औसत शुष्क बल्ब वायु तापमान
3	P	हैक्टापास्कल (hPa) में हिमांकन तथा क्षोभमण्डलीय सीमा स्तर का औसत दाब
4	HX	मासिक औसत मूल्यों की उच्चतम ऊंचाई
5	HN	मासिक औसत मूल्यों की निम्नतम ऊंचाई
6	TX	विशिष्ठ समदाब स्तर पर प्रेक्षित तापमान का उच्चतम मूल्य
7	TN	विशिष्ठ समदाब स्तर पर प्रेक्षित तापमान का निम्नतम मूल्य
8	TD	डिग्री सेल्सियस में औसत ओसांक तापमान
9	Vr	एम.पी.एस. (वेक्टर औसत) में औसत परिणामतया वायु गति
10	Vm	एम.पी.एस. (स्केलर औसत) में दिशा अनपेक्षित औसत वायु गति
11	IST	भारतीय मानक समय
12	DDD	डिग्री में औसत परिणामतया वायु दिशा
13	ALT	जी.पी.एम. में हिमांकन तथा क्षोभमण्डलीय सीमा की ऊंचाई
14	FHX	मासिक औसत मूल्यों की हिमांकन स्तर की उच्चतम ऊंचाई
15	FHN	मासिक औसत मूल्यों की हिमांकन स्तर की निम्नतम ऊंचाई
16	STN (P)	पूर्ण हेक्टापास्कल (hPa) में स्टेशन स्तर वायुमण्डलीय दाब
17	PRESSURE	हेक्टापास्कल (1000 से 7 hPa) में मानक दाब स्तर
18	FIRST TROPOPAUSE	14 कि.मी. से कम की ऊंचाई पर प्रेक्षित क्षोभमण्डलीय सीमा
19	SECOND TROPOPAUSE	14 कि.मी. से अधिक की ऊंचाई पर प्रेक्षित क्षोभमण्डलीय सीमा

C O N T E N T S

SN	STATION	MONTH	PAGE
1	Agartala	January - February	1 – 2
		March - April	3 – 4
		May - June	5 – 6
		July - August	7 – 8
		September - October	9 – 10
		November - December	11 – 12
2	Ahmedabad	January - February	13 – 14
		March - April	15 – 16
		May - June	17 – 18
		July - August	19 – 20
		September - October	21 – 22
		November - December	23 – 24
3	Amini	January - February	25 – 26
		March - April	27 – 28
		May - June	29 – 30
		July - August	31 – 32
		September - October	33 – 34
		November - December	35 – 36
4	Aurangabad	January - February	37 – 38
		March - April	39 – 40
		May - June	41 – 42
		July - August	43 – 44
		September - October	45 – 46
		November - December	47 – 48
5	Bangaluru	January - February	49 – 50
		March - April	51 – 52
		May - June	53 – 54
		July - August	55 – 56
		September - October	57 – 58
		November - December	59 – 60
6	Bhopal	January - February	61 – 62
		March - April	63 – 64
		May - June	65 – 66
		July - August	67 – 68
		September - October	69 – 70
		November - December	71 – 72
7	Bhubaneshwar	January - February	73 – 74
		March - April	75 – 76
		May - June	77 – 78
		July - August	79 – 80
		September - October	81 – 82
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SN	STATION	MONTH	PAGE
8	Chennai	January - February	85 – 86
		March - April	87 – 88
		May - June	89 – 90
		July - August	91 – 92
		September - October	93 – 94
		November - December	95 – 96
9	Goa	January - February	97 – 98
		March - April	99 – 100
		May - June	101 – 102
		July - August	103 – 104
		September - October	105 – 106
		November - December	107 – 108
10	Gorakhpur	January - February	109 – 110
		March - April	111 – 112
		May - June	113 – 114
		July - August	115 – 116
		September - October	117 – 118
		November - December	119 – 120
11	Guwahati	January - February	121 – 122
		March - April	123 – 124
		May - June	125 – 126
		July - August	127 – 128
		September - October	129 – 130
		November - December	131 – 132
12	Gwalior	January - February	133 – 134
		March - April	135 – 136
		May - June	137 – 138
		July - August	139 – 140
		September - October	141 – 142
		November - December	143 – 144
13	Hyderabad	January - February	145 – 146
		March - April	147 – 148
		May - June	149 – 150
		July - August	151 – 152
		September - October	153 – 154
		November - December	155 – 156
14	Jagdalpur	January - February	157 – 158
		March - April	159 – 160
		May - June	161 – 162
		July - August	163 – 164
		September - October	165 – 166
		November - December	167 – 168

C O N T E N T S

SN	STATION	MONTH	PAGE
15	Jodhpur	January - February	169 – 170
		March - April	171 – 172
		May - June	173 – 174
		July - August	175 – 176
		September - October	177 – 178
		November - December	179 – 180
16	Karaikal	January - February	181 – 182
		March - April	183 – 184
		May - June	185 – 186
		July - August	187 – 188
		September - October	189 – 190
		November - December	191 – 192
17	Kochi	January - February	193 – 194
		March - April	195 – 196
		May - June	197 – 198
		July - August	199 – 200
		September - October	201 – 202
		November - December	203 – 204
18	Kolkata	January - February	205 – 206
		March - April	207 – 208
		May - June	209 – 210
		July - August	211 – 212
		September - October	213 – 214
		November - December	215 – 216
19	Lucknow	January - February	217 – 218
		March - April	219 – 220
		May - June	221 – 222
		July - August	223 – 224
		September - October	225 – 226
		November - December	227 – 228
20	Machilipatnam	January - February	229 – 230
		March - April	231 – 232
		May - June	233 – 234
		July - August	235 – 236
		September - October	237 – 238
		November - December	239 – 240
21	Mangalore	January - February	241 – 242
		March - April	243 – 244
		May - June	245 – 246
		July - August	247 – 248
		September - October	249 – 250
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SN	STATION	MONTH	PAGE
22	Minicoy	January - February	253 – 254
		March - April	255 – 256
		May - June	257 – 258
		July - August	259 – 260
		September - October	261 – 262
		November - December	263 – 264
23	Mohanbari	January - February	265 – 266
		March - April	267 – 268
		May - June	269 – 270
		July - August	271 – 272
		September - October	273 – 274
		November - December	275 – 276
24	Mumbai	January - February	277 – 278
		March - April	279 – 280
		May - June	281 – 282
		July - August	283 – 284
		September - October	285 – 286
		November - December	287 – 288
25	Nagpur	January - February	289 – 290
		March - April	291 – 292
		May - June	293 – 294
		July - August	295 – 296
		September - October	297 – 298
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26	New Delhi	January - February	301 – 302
		March - April	303 – 304
		May - June	305 – 306
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		September - October	309 – 310
		November - December	311 – 312
27	Patiala	January - February	313 – 314
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		September - October	321 – 322
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28	Patna	January - February	325 – 326
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		May - June	329 – 330
		July - August	331 – 332
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SN	STATION	MONTH	PAGE
29	Port Blair	January - February	337 – 338
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		May - June	341 – 342
		July - August	343 – 344
		September - October	345 – 346
		November - December	347 – 348
30	Raipur	January - February	349 – 350
		March - April	351 – 352
		May - June	353 – 354
		July - August	355 – 356
		September - October	357 – 358
		November - December	359 – 360
31	Ranchi	January - February	361 – 362
		March - April	363 – 364
		May - June	365 – 366
		July - August	367 – 368
		September - October	369 – 370
		November - December	371 – 372
32	Siliguri	January - February	373 – 374
		March - April	375 – 376
		May - June	377 – 378
		July - August	379 – 380
		September - October	381 – 382
		November - December	383 – 384
33	Srinagar	January - February	385 – 386
		March - April	387 – 388
		May - June	389 – 390
		July - August	391 – 392
		September - October	393 – 394
		November - December	395 – 396
34	Thiruvananthapuram	January - February	397 – 398
		March - April	399 – 400
		May - June	401 – 402
		July - August	403 – 404
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		November - December	407 – 408
35	Vishakhapatnam	January - February	409 – 410
		March - April	411 – 412
		May - June	413 – 414
		July - August	415 – 416
		September - October	417 – 418
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NORMALS OF RADIOSONDE DATA

MONTH : JANUARY TIME : 1730 IST STATION : AGARTALA

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1012	1013	1010	21.6	28.0	13.0	13.5	329	0.1	0.3
1000	120	143	103	21.3	27.4	14.6	12.5	320	1.7	2.6
950	552	584	520	18.5	29.4	11.2	8.5	302	1.8	3.1
925	787	811	776	16.2	22.6	9.4	7.2	291	1.7	2.9
900	1024	1045	1006	15.0	25.2	7.2	4.8	282	1.7	3.3
850	1505	1527	1484	11.8	22.0	3.0	0.0	278	2.7	4.4
800	2010	2036	1985	9.0	18.0	-0.9	-4.7	279	4.6	6.1
750	2538	2572	2515	6.6	13.6	-3.1	-7.7	281	7.2	8.4
700	3105	3141	3077	3.9	14.8	-4.5	-10.0	278	9.8	11.0
650	3701	3742	3667	1.0	11.0	-9.5	-12.7	276	12.1	13.3
600	4342	4387	4299	-2.4	7.8	-13.3	-15.5	274	14.5	15.6
550	5041	5079	4977	-6.4	4.0	-17.3	-18.9	273	17.6	18.7
500	5768	5816	5707	-11.1	-0.5	-23.5	-22.6	271	20.2	21.6
450	6574	6620	6499	-16.2	-6.3	-30.1	-27.3	270	23.6	25.2
400	7446	7499	7368	-22.1	-11.3	-37.7	-32.1	269	26.4	27.9
350	8419	8493	8327	-28.5	-17.1	-41.3	-37.4	268	29.1	30.9
300	9510	9606	9423	-35.4	-24.7	-48.5		269	31.7	33.6
250	10761	10874	10678	-43.8	-33.5	-55.3		267	33.9	35.8
200	12227	12354	12120	-54.0	-43.3	-65.7		267	34.9	36.9
175	13078	13208	12956	-59.5	-47.5	-72.3		268	33.9	35.9
150	14025	14169	13892	-65.3	-53.1	-78.1		266	34.3	36.6
125	15116	15278	14958	-70.8	-60.1	-82.1				
100	16405	16624	16231	-75.0	-66.3	-86.1				
80	17708	17937	17529	-74.2	-63.7	-81.7				
70	18498	18728	18342	-71.4	-59.1	-81.1				
60	19397	19617	19190	-67.6	-56.1	-76.5				
50	20663	29988	20360	-63.9	-52.3	-73.3				
40	21868	22072	21359	-61.1	-50.3	-71.1				
30	23671	23933	23470	-58.2	-50.1	-69.9				
25	24795	25148	24560	-56.4	-48.3	-66.3				
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
637	3880	4380	3230				102	16350	-76.3

NORMALS OF RADIOSONDE DATA

MONTH : FEBRUARY TIME : 1730 IST STATION : AGARTALA

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1010	1012	1006	24.7	31.8	16.6	13.8	259	0.2	0.7
1000	102	124	68	24.3	31.2	15.6	13.3	282	1.0	2.4
950	535	564	492	20.8	28.6	11.8	9.8	258	2.0	3.6
925	774	794	757	18.7	25.8	11.0	9.3	251	2.3	3.7
900	1012	1037	979	17.2	24.8	8.8	6.6	253	2.8	4.2
850	1497	1523	1464	13.6	21.0	5.4	2.5	263	4.1	5.5
800	2006	2032	1973	10.3	18.2	2.4	-1.6	273	6.0	7.2
750	2534	2568	2492	7.1	15.2	-0.5	-4.7	277	8.4	9.5
700	3103	3143	3064	3.8	12.6	-4.3	-8.1	279	10.7	11.8
650	3696	3746	3657	0.6	10.0	-7.7	-11.6	278	13.3	14.3
600	4341	4392	4287	-2.9	7.8	-11.3	-14.3	277	15.7	16.8
550	5037	5080	4963	-6.8	5.0	-15.5	-18.4	275	18.2	19.4
500	5764	5820	5700	-11.3	0.2	-21.1	-22.7	273	21.2	22.4
450	6569	6645	6505	-16.3	-5.1	-26.5	-26.0	273	24.1	25.5
400	7445	7548	7385	-22.0	-9.1	-35.1	-30.5	272	27.4	29.1
350	8419	8558	8367	-28.4	-14.7	-40.1	-37.5	273	29.5	31.3
300	9508	9624	9445	-35.1	-21.3	-46.9	-43.2	271	33.3	35.8
250	10758	10884	10691	-43.6	-31.1	-55.7		274	34.4	36.2
200	12229	12354	12140	-53.3	-38.5	-63.3		277	35.3	37.1
175	13080	13221	12976	-58.6	-41.1	-68.7		276	34.1	36.3
150	14041	14195	13922	-63.7	-49.3	-73.9		276	32.4	33.9
125	15144	15323	14984	-69.1	-56.7	-80.3		279	30.3	32.9
100	16467	16673	16234	-73.6	-58.5	-85.1				
80	17762	17977	17535	-74.1	-51.9	-83.3				
70	18551	18813	18264	-72.2	-59.7	-82.5				
60	19453	19715	19170	-68.9	-53.1	-83.7				
50	20559	20852	20222	-64.6	-53.7	-78.7				
40	21903	22305	21552	-61.2	-50.3	-75.1				
30	23672	24108	23279	-58.2	-48.9	-78.7				
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
642	3800	5510	3160				094	16860	-76.2

NORMALS OF RADIOSONDE DATA

MONTH : MARCH TIME : 1730 IST STATION : AGARTALA

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1007	1009	1003	28.7	36.0	19.2	17.2	189	0.9	1.7
1000	76	94	56	28.2	35.6	18.8	16.8	211	1.4	3.1
950	516	543	485	24.9	35.0	13.2	13.7	220	3.0	5.0
925	758	775	736	22.8	33.8	16.6	14.2	220	4.2	5.4
900	1000	1014	980	21.4	32.0	13.8	10.8	234	4.1	5.6
850	1492	1509	1473	17.7	27.6	8.4	7.5	251	5.3	6.7
800	2008	2027	1985	13.9	24.4	3.8	3.5	263	7.2	8.4
750	2539	2564	2518	10.2	20.4	1.4	-0.8	272	9.1	10.2
700	3118	3139	3083	6.4	19.0	-0.9	-5.0	277	11.2	12.2
650	3715	3740	3675	2.7	12.2	-4.7	-8.7	279	13.1	14.1
600	4366	4391	4303	-1.0	9.2	-8.7	-12.6	280	15.2	16.1
550	5062	5092	4977	-5.0	7.6	-14.1	-16.3	279	16.7	17.7
500	5797	5826	5703	-9.7	1.8	-19.7	-19.7	275	18.3	19.6
450	6606	6655	6481	-15.0	-2.9	-24.3	-25.5	274	21.1	22.4
400	7484	7533	7336	-21.0	-6.7	-29.7	-31.3	274	22.9	24.5
350	8461	8529	8284	-27.6	-13.9	-38.1	-37.2	271	25.4	27.2
300	9548	9631	9359	-35.2	-22.7	-46.9	-42.5	270	27.6	29.9
250	10798	10917	10617	-43.4	-31.3	-55.3		268	29.0	31.7
200	12271	12415	12105	-52.4	-40.5	-63.7		269	30.4	32.7
175	13119	13269	12962	-57.4	-45.3	-68.7		272	28.8	31.0
150	14082	14243	13912	-62.6	-50.9	-76.5		273	29.2	31.3
125	15193	15361	14997	-68.3	-55.9	-80.1		271	26.1	27.9
100	16525	16735	16283	-72.8	-57.5	-83.9				
80	17836	18044	17575	-73.0	-62.5	-81.9				
70	18634	18866	18321	-70.7	-59.7	-82.7				
60	19547	19786	19196	-66.9	-52.7	-78.5				
50	20653	20927	20270	-62.2	-49.3	-73.7				
40	22026	22343	21589	-58.3	-44.1	-76.7				
30	23839	24207	23521	-55.5	-41.1	-75.9				
25	24982	25315	24528	-54.0	-40.1	-75.1				
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
613	4200	4750	3260				098	16700	-74.3

NORMALS OF RADIOSONDE DATA

MONTH : APRIL TIME : 1730 IST STATION : AGARTALA

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1004	1007	1001	30.0	37.0	19.0	21.9	177	2.2	2.8
1000	49	74	19	29.8	36.8	18.6	21.6	179	2.6	3.4
950	493	526	456	27.1	34.0	16.0	19.5	188	4.8	5.9
925	739	759	717	25.0	31.6	17.4	17.8	194	4.7	5.6
900	982	999	959	23.9	34.8	15.6	16.3	207	5.3	6.3
850	1479	1494	1458	20.6	31.4	12.4	11.9	231	5.6	6.8
800	2000	2015	1982	17.1	27.6	8.6	6.4	252	6.8	8.0
750	2537	2561	2522	13.2	24.4	3.6	1.8	266	8.3	9.5
700	3123	3141	3107	8.9	21.6	-1.7	-2.7	274	9.7	11.1
650	3722	3746	3700	4.7	17.0	-6.3	-6.9	278	11.0	12.4
600	4379	4406	4352	0.7	9.4	-9.1	-10.9	277	12.1	13.5
550	5078	5117	5035	-3.4	6.8	-14.9	-14.7	276	13.2	14.5
500	5820	5858	5771	-8.0	0.8	-21.3	-18.7	275	14.5	15.9
450	6635	6681	6568	-13.0	-1.1	-28.5	-23.8	274	15.5	17.3
400	7520	7563	7441	-18.9	-7.1	-36.5	-28.4	273	17.5	19.3
350	8503	8566	8402	-25.7	-15.1	-42.7	-34.6	271	19.7	21.9
300	9605	9679	9479	-33.3	-20.5	-49.3	-41.5	266	22.8	25.5
250	10867	10958	10713	-42.0	-27.5	-54.5		265	25.4	28.1
200	12346	12454	12167	-52.0	-37.5	-67.5		260	25.3	27.4
175	13203	13322	13026	-57.4	-41.1	-70.9		261	26.0	28.1
150	14160	14288	13984	-63.2	-46.1	-77.3		263	24.0	26.0
125	15267	15423	15097	-68.8	-52.3	-82.5		262	18.7	20.4
100	16591	16843	16425	-73.5	-53.3	-84.5		266	15.4	17.6
80	17893	18110	17704	-73.2	-47.5	-85.3		267	8.4	13.2
70	18686	18962	18456	-70.9	-44.5	-87.1				
60	19603	19944	19351	-66.6	-43.5	-79.7				
50	20712	21130	20448	-61.6	-41.5	-74.7				
40	22089	22420	21845	-57.4	-42.1	-69.9				
30	23910	24289	23684	-53.6	-39.3	-64.5				
25	25089	25546	24857	-50.9	-37.9	-60.1				
20	26577	27239	26329	-48.2	-35.9	-59.1				
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
591	4510	5130	3850				096	16850	-75.5

NORMALS OF RADIOSONDE DATA

MONTH : MAY TIME : 1730 IST STATION : AGARTALA

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1001	1004	999	29.6	38.4	20.6	23.5	170	1.6	2.3
1000	29	52	12	29.6	38.4	21.0	23.2	173	1.8	2.8
950	474	492	439	27.2	34.6	19.2	21.4	179	4.0	5.7
925	714	729	675	25.6	31.8	17.6	20.2	186	4.7	6.0
900	963	986	917	24.3	31.8	15.8	18.6	196	4.5	6.1
850	1462	1486	1417	21.3	29.8	13.2	14.8	218	4.6	6.4
800	1985	2008	1939	18.1	27.2	10.4	10.2	244	4.8	6.7
750	2525	2549	2488	14.6	24.2	5.8	5.9	265	5.6	7.8
700	3115	3135	3069	10.7	21.0	0.8	1.5	274	6.9	8.9
650	3722	3747	3689	6.8	17.6	-4.5	-3.0	280	7.8	9.8
600	4382	4406	4349	3.0	13.8	-7.1	-7.0	280	8.0	10.0
550	5093	5134	5053	-0.7	10.4	-11.9	-11.2	277	8.7	10.7
500	5839	5879	5809	-4.7	6.0	-13.1	-14.7	273	9.5	11.2
450	6667	6725	6627	-9.2	1.8	-17.9	-18.9	271	10.2	12.3
400	7564	7611	7525	-14.5	-2.5	-23.1	-23.5	267	11.2	13.4
350	8564	8615	8519	-20.7	-8.3	-31.9	-28.8	261	12.6	14.7
300	9689	9754	9630	-28.4	-16.9	-40.9	-35.4	259	14.8	16.9
250	10972	11047	10905	-38.0	-26.7	-49.3	-43.5	257	15.7	17.7
200	12474	12570	12391	-49.5	-35.9	-61.9		252	15.9	18.3
175	13339	13442	13239	-56.3	-41.9	-66.9		252	17.0	19.4
150	14299	14416	14180	-63.6	-48.7	-74.3		252	15.0	17.6
125	15406	15517	15264	-70.5	-55.9	-82.1		252	12.0	14.9
100	16708	16914	16539	-76.2	-61.9	-87.9		240	7.3	11.9
80	18004	18233	17741	-75.9	-60.1	-86.7		218	3.8	8.8
70	18783	19083	18506	-72.3	-52.1	-85.1				
60	19701	20000	19436	-67.3	-44.1	-81.3				
50	20814	21164	20515	-61.2	-37.3	-73.1				
40	22214	22619	21898	-56.1	-33.9	-66.3				
30	24053	24601	23743	-51.7	-39.9	-61.1				
25	25259	25790	24922	-49.0	-38.9	-59.1				
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
559	4960	5400	4600				096	16980	-78.2

NORMALS OF RADIOSONDE DATA

MONTH : JUNE TIME : 1730 IST STATION : AGARTALA

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	998	1000	994	29.5	37.4	22.0	24.4	171	2.2	2.6
1000	6	15	0	28.8	35.2	23.2	24.5	173	1.8	2.4
950	445	533	409	26.9	34.2	20.0	23.1	180	5.2	6.1
925	689	701	670	25.3	32.2	20.4	21.3	184	6.3	7.0
900	934	947	914	24.2	31.4	16.8	20.6	189	5.9	6.9
850	1434	1448	1412	21.5	27.8	13.8	17.4	193	5.5	7.0
800	1959	1975	1936	18.8	25.4	11.0	14.1	200	4.6	6.9
750	2508	2525	2405	15.7	22.6	8.6	10.7	208	3.8	7.0
700	3094	3114	3059	12.5	20.2	5.2	6.7	215	3.3	7.2
650	3709	3732	3600	9.2	17.0	1.4	2.8	221	2.9	7.3
600	4373	4396	4319	5.7	13.4	-1.9	-0.7	222	2.8	7.3
550	5093	5137	5015	2.0	9.8	-6.5	-4.5	219	2.6	7.2
500	5846	5878	5771	-1.9	5.4	-9.7	-8.5	214	2.5	7.2
450	6682	6736	6505	-6.4	0.8	-14.7	-13.6	214	2.4	7.2
400	7590	7642	7496	-11.7	-4.1	-20.1	-19.4	201	2.6	7.4
350	8599	8663	8500	-18.0	-9.3	-27.7	-25.6	196	2.3	7.6
300	9737	9822	9626	-25.7	-16.7	-35.7	-33.4	199	2.4	8.3
250	11032	11141	10920	-35.5	-27.3	-46.1	-42.3	191	1.8	9.0
200	12546	12678	12443	-48.0	-39.5	-61.3		164	1.7	9.8
175	13412	13560	13281	-55.5	-46.9	-70.9		129	1.0	10.1
150	14382	14544	14251	-63.4	-51.9	-74.7		066	2.1	10.7
125	15479	15655	15324	-71.4	-59.9	-83.3		065	4.7	10.7
100	16779	16974	16592	-77.5	-67.3	-85.9		075	8.6	11.8
80	18063	18255	17876	-76.4	-61.1	-89.3		088	10.5	12.1
70	18843	19074	18650	-72.5	-54.1	-84.3		091	11.3	12.4
60	19752	20031	19543	-66.8	-50.7	-81.1		086	12.5	13.8
50	20870	21172	20654	-60.9	-50.1	-71.1		085	13.8	14.3
40	22242	22574	21887	-56.8	-46.5	-64.1				
30	24112	24481	23857	-51.7	-42.1	-59.1				
25	25262	25771	25035	-49.2	-39.5	-56.3				
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
524	5490	5880	4700				096	17080	-79.0

NORMALS OF RADIOSONDE DATA

MONTH : JULY TIME : 1730 IST STATION : AGARTALA

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	998	1000	996	29.1	33.8	24.0	25.4	177	2.9	3.2
1000	9	30	0	28.3	32.0	24.0	25.0	181	3.6	3.9
950	446	463	411	26.7	33.4	20.0	23.6	185	6.1	6.9
925	684	700	662	24.9	31.8	18.6	22.0	180	6.4	7.2
900	935	951	910	24.0	30.8	17.8	21.3	189	6.7	7.7
850	1434	1451	1407	21.4	28.6	12.4	18.5	191	6.4	7.7
800	1959	1977	1930	18.7	26.8	13.0	15.6	191	5.7	7.5
750	2510	2533	2485	15.9	22.6	10.0	12.6	190	4.8	7.3
700	3095	3118	3065	13.0	19.8	7.6	9.2	190	4.1	7.0
650	3715	3741	3689	9.9	16.8	0.0	5.3	181	3.4	6.6
600	4378	4405	4347	6.5	17.0	-0.9	1.3	171	3.0	6.6
550	5102	5164	5051	2.9	11.0	-4.1	-2.6	160	2.7	6.2
500	5855	5894	5821	-1.2	6.2	-8.1	-7.2	145	2.4	6.2
450	6695	6752	6651	-5.7	0.8	-13.3	-12.3	125	2.7	6.0
400	7604	7657	7559	-10.9	-2.7	-19.5	-18.1	113	3.0	6.0
350	8616	8678	8560	-17.3	-10.3	-26.5	-25.3	103	4.0	6.6
300	9758	9834	9690	-25.1	-17.9	-35.5	-33.0	095	5.1	7.5
250	11058	11149	10972	-35.1	-27.1	-45.5	-42.1	086	7.1	9.2
200	12576	12694	12459	-47.8	-39.9	-58.9	-54.2	080	9.0	11.3
175	13443	13574	13308	-55.6	-45.9	-67.7		077	10.1	12.7
150	14408	14553	14250	-63.6	-52.1	-77.5		077	12.2	14.6
125	15499	15656	15327	-71.8	-56.5	-82.1		077	14.3	16.3
100	16795	16986	16603	-76.8	-61.7	-87.1		080	17.0	19.2
80	18090	18276	17885	-73.9	-58.1	-88.5		085	17.8	18.7
70	18881	19100	18653	-69.9	-56.3	-87.1		085	17.5	18.6
60	19796	20019	19577	-64.9	-51.1	-79.3		087	17.0	18.1
50	20928	21179	20686	-59.8	-47.3	-74.3		092	17.7	18.9
40	22304	22537	22026	-56.1	-45.5	-67.5		098	16.6	17.5
30	24154	24478	23766	-51.4	-41.3	-62.1				
25	25339	25960	24850	-50.0	-40.1	-60.5				
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
514	5630	6110	5310				100	16790	-78.4

NORMALS OF RADIOSONDE DATA

MONTH : AUGUST TIME : 1730 IST STATION : AGARTALA

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	999	1001	997	29.2	34.0	24.0	25.5	174	1.6	2.0
1000	11	38	1	28.6	33.6	23.8	25.3	181	2.3	2.5
950	454	488	422	26.9	32.4	21.0	23.5	180	4.6	5.7
925	699	721	672	25.1	31.0	19.0	21.7	180	5.4	6.3
900	942	966	922	24.3	31.2	17.4	21.0	180	5.4	6.5
850	1442	1462	1421	21.6	31.0	14.0	18.2	179	5.2	6.6
800	1967	1990	1946	18.8	31.0	11.2	15.2	176	4.9	6.7
750	2516	2539	2489	15.9	25.4	8.0	11.9	171	4.5	6.5
700	3104	3131	3081	13.0	22.0	4.4	8.3	164	4.0	6.3
650	3722	3749	3695	9.8	19.4	2.6	4.3	151	3.6	6.2
600	4387	4423	4358	6.4	16.2	-0.5	0.4	142	3.3	6.1
550	5109	5150	5057	2.7	12.2	-5.1	-3.6	134	3.2	6.0
500	5863	5906	5830	-1.3	7.6	-10.5	-8.0	124	3.1	5.9
450	6704	6758	6675	-5.9	2.6	-14.5	-13.2	113	3.4	6.0
400	7611	7664	7570	-11.2	-2.7	-19.1	-19.1	107	3.8	6.4
350	8623	8679	8580	-17.7	-9.1	-27.0	-26.0	096	4.8	7.1
300	9763	9826	9702	-25.6	-16.9	-35.1	-33.5	090	5.5	7.6
250	11061	11144	10973	-35.6	-26.1	-46.9	-42.8	083	7.3	9.5
200	12569	12676	12470	-48.4	-35.9	-63.5	-55.7	079	9.8	12.1
175	13435	13546	13320	-56.0	-41.7	-71.7		077	10.8	13.3
150	14397	14516	14211	-64.0	-52.1	-78.7		077	11.8	14.6
125	15493	15625	15283	-72.0	-59.9	-82.5		078	13.6	16.3
100	16796	16947	16553	-76.6	-60.5	-86.9		080	16.5	18.3
80	18092	18316	17903	-73.4	-60.5	-87.3		084	16.8	17.9
70	18885	19100	18726	-69.1	-56.1	-82.7		084	17.0	18.0
60	19808	20018	19654	-65.1	-54.1	-77.7		084	17.4	18.6
50	20930	21139	20767	-60.6	-48.7	-72.7		088	17.7	19.5
40	22328	22677	22136	-56.7	-45.5	-66.5		091	18.4	19.7
30	24175	24534	23961	-53.3	-44.3	-62.3		089	19.2	19.9
25	25347	25700	25117	-52.2	-44.3	-60.9				
20	26757	27142	26406	-50.8	-42.1	-57.9				
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
517	5610	5980	5200				102	16750	-78.1

NORMALS OF RADIOSONDE DATA

MONTH : SEPTEMBER TIME : 1730 IST STATION : AGARTALA

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1002	1004	999	28.7	34.6	23.0	25.2	175	1.0	1.4
1000	38	52	8	28.4	32.8	22.8	25.0	178	1.3	1.8
950	479	506	450	26.3	32.2	20.4	22.4	188	3.0	4.5
925	722	740	688	24.8	30.2	19.4	20.5	185	3.1	4.4
900	969	981	944	23.7	29.4	18.2	19.6	191	3.5	5.0
850	1468	1483	1443	21.0	27.4	15.0	16.6	194	3.6	5.3
800	1992	2009	1971	18.0	27.8	11.6	13.3	193	3.2	5.3
750	2535	2562	2505	15.0	23.0	8.2	10.1	193	3.0	5.4
700	3125	3148	3105	11.9	21.2	5.6	6.4	194	2.8	5.5
650	3736	3768	3711	8.6	17.0	1.2	2.2	193	2.3	5.3
600	4400	4428	4370	5.0	13.0	-3.1	-1.7	193	2.0	5.5
550	5117	5152	5072	1.2	9.4	-7.7	-5.6	193	1.6	5.6
500	5867	5900	5823	-3.0	5.8	-12.5	-10.2	188	1.5	6.0
450	6700	6740	6657	-7.6	1.6	-19.1	-15.2	176	1.4	5.9
400	7605	7641	7556	-13.0	-5.5	-22.3	-20.7	167	1.4	6.2
350	8608	8648	8556	-19.6	-12.1	-28.9	-27.8	159	1.5	6.3
300	9740	9796	9678	-27.6	-19.1	-37.3	-35.5	139	1.8	7.2
250	11029	11103	10950	-37.6	-29.1	-48.1	-44.5	103	2.5	8.3
200	12530	12629	12437	-50.3	-41.5	-60.9	-58.0	080	3.5	9.5
175	13387	13502	13289	-57.8	-47.9	-69.1		069	5.2	10.8
150	14341	14482	14235	-65.7	-54.1	-76.1		068	5.6	11.2
125	15428	15600	15316	-73.5	-61.9	-85.1		069	6.6	11.1
100	16730	16916	16588	-78.2	-58.1	-87.0		079	9.6	12.0
80	18019	18210	17846	-74.9	-62.1	-84.1		086	10.5	12.2
70	18820	19033	18600	-70.4	-55.5	-80.1		089	9.8	11.4
60	19748	19985	19518	-65.2	-51.9	-72.3		089	9.7	11.6
50	20882	21108	20512	-60.6	-44.3	-69.1		093	9.8	11.5
40	22251	22529	21893	-58.0	-45.5	-64.9				
30	24037	24359	23850	-55.1	-45.3	-63.1				
25	25181	25550	25006	-53.3	-43.5	-58.9				
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
535	5330	5670	4910				102	16620	-79.4

NORMALS OF RADIOSONDE DATA

MONTH : OCTOBER TIME : 1730 IST STATION : AGARTALA

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1006	1010	1004	28.0	32.8	22.2	24.1	174	0.2	0.6
1000	74	104	54	27.8	32.6	22.2	23.4	310	0.1	1.5
950	512	557	478	25.4	32.6	17.2	19.4	267	0.4	3.3
925	757	790	730	23.8	30.2	16.2	16.8	225	0.9	3.0
900	1001	1028	983	22.6	29.0	14.8	15.6	223	1.1	3.5
850	1497	1521	1480	19.5	27.8	10.6	11.2	227	1.6	3.9
800	2016	2037	1996	16.3	26.2	7.6	7.6	233	2.2	4.4
750	2554	2580	2525	12.9	22.8	5.8	3.9	241	2.7	4.9
700	3139	3160	3113	9.6	19.6	2.8	0.4	245	3.4	5.4
650	3743	3774	3717	6.2	17.6	-0.3	-3.0	250	4.2	6.2
600	4402	4435	4368	2.8	11.2	-5.5	-6.1	257	5.3	6.9
550	5113	5169	5064	-0.9	7.8	-8.5	-10.1	259	6.2	7.8
500	5858	5907	5812	-5.2	4.2	-14.7	-14.1	261	7.2	8.7
450	6683	6757	6626	-9.9	-0.7	-22.1	-18.6	261	8.2	9.9
400	7579	7646	7523	-15.5	-7.1	-26.9	-23.3	262	9.1	11.0
350	8573	8649	8508	-22.2	-12.3	-32.7	-29.6	262	10.2	12.2
300	9691	9782	9610	-30.3	-20.7	-39.9	-36.6	259	11.6	14.0
250	10963	11077	10871	-40.3	-28.7	-49.1	-44.6	259	12.3	14.7
200	12445	12606	12332	-52.5	-40.5	-63.7		258	12.4	15.2
175	13290	13464	13159	-59.7	-49.9	-70.3		258	12.0	15.2
150	14236	14436	14093	-67.0	-56.1	-79.5		259	11.8	14.8
125	15309	15534	15149	-74.3	-60.7	-84.5		264	9.7	13.1
100	16595	16884	16444	-77.8	-65.3	-89.1		264	6.5	11.9
80	17878	18266	17672	-73.7	-56.5	-85.1		252	3.9	10.6
70	18655	19100	18358	-69.4	-55.1	-82.7		248	1.2	9.2
60	19569	20119	19211	-64.9	-51.9	-79.1		238	0.9	9.6
50	20681	21502	20276	-61.2	-48.0	-72.3				
40	22078	22953	21612	-58.3	-48.5	-66.1				
30	23892	24265	23374	-55.7	-46.1	-62.5				
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
563	4920	5420	4420				107	16240	-78.8

NORMALS OF RADIOSONDE DATA

MONTH : NOVEMBER TIME : 1730 IST STATION : AGARTALA

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1010	1011	1008	25.3	30.0	18.0	20.4	019	0.1	0.2
1000	100	120	74	25.1	29.8	18.0	19.7	346	1.0	1.8
950	538	564	504	23.0	28.2	16.0	15.0	347	1.2	2.9
925	776	796	760	21.1	26.8	15.2	12.8	335	0.8	2.4
900	1019	1041	1000	19.9	27.6	11.8	11.0	306	0.5	3.0
850	1509	1534	1494	16.6	23.8	8.0	6.2	264	1.1	3.6
800	2023	2049	2009	13.4	22.4	5.2	1.6	257	2.0	4.3
750	2557	2580	2533	10.3	20.4	2.4	-2.5	262	3.3	5.4
700	3134	3159	3112	7.2	18.2	0.0	-5.4	266	4.8	6.8
650	3733	3759	3709	4.1	14.6	-5.1	-7.9	269	6.8	8.5
600	4386	4413	4361	0.7	11.4	-8.1	-10.8	269	8.9	10.4
550	5089	5135	5049	-3.2	7.8	-12.1	-14.0	270	10.9	12.3
500	5828	5868	5793	-7.8	4.0	-17.9	-17.6	270	12.6	14.1
450	6644	6696	6586	-12.9	0.2	-25.1	-21.0	268	14.8	16.3
400	7529	7590	7448	-18.7	-4.7	-30.1	-27.3	267	17.6	19.3
350	8515	8594	8395	-25.2	-11.1	-38.1	-32.2	265	20.5	22.3
300	9616	9698	9492	-32.9	-19.9	-41.9	-39.9	262	22.9	25.0
250	10873	10967	10707	-42.3	-27.5	-51.1		261	25.5	27.6
200	12345	12439	12167	-53.9	-40.3	-62.9		262	26.5	28.8
175	13187	13286	12994	-60.4	-45.9	-70.7		261	25.6	27.7
150	14132	14257	13948	-67.0	-52.7	-75.9		263	26.4	28.2
125	15211	15347	15016	-73.1	-56.9	-83.3		262	21.8	24.3
100	16500	16742	16357	-77.1	-64.5	-85.5		267	16.8	19.6
80	17775	18058	17612	-75.6	-58.9	-85.0		263	8.9	14.5
70	18555	18843	18374	-72.2	-59.5	-82.1				
60	19467	19771	19259	-67.2	-55.5	-79.3				
50	20577	20894	20348	-62.5	-49.1	-72.9				
40	21959	22313	21716	-59.0	-45.1	-67.5				
30	23762	24171	23504	-55.9	-43.3	-62.5				
25	24936	25322	24644	-53.9	-41.3	-62.3				
20	26404	26928	26029	-51.8	-38.9	-58.9				
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
591	4510	5060	3830				103	16370	-78.5

NORMALS OF RADIOSONDE DATA

MONTH : DECEMBER TIME : 1730 IST STATION : AGARTALA

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1012	1014	1010	21.9	26.2	15.4	16.2	346	0.1	0.2
1000	122	133	107	21.7	27.0	16.0	15.1	327	1.6	2.3
950	555	574	530	19.6	30.0	11.0	10.6	323	1.4	2.8
925	788	800	779	17.4	23.6	11.6	8.4	316	0.8	2.4
900	1029	1041	1012	16.2	25.8	8.8	6.6	289	0.6	2.8
850	1513	1529	1493	13.2	26.8	6.0	1.2	270	1.4	3.6
800	2021	2041	1998	10.7	23.8	2.0	-3.7	276	3.1	4.8
750	2552	2575	2520	8.5	19.2	-1.3	-7.4	280	5.2	6.8
700	3123	3150	3095	6.1	17.2	-3.3	-9.2	278	7.5	8.9
650	3723	3751	3686	3.0	14.8	-6.7	-10.6	277	9.8	11.0
600	4370	4408	4326	-0.5	10.6	-10.1	-13.2	276	11.9	13.1
550	5071	5118	5002	-4.6	6.0	-13.3	-16.5	274	14.1	15.3
500	5805	5851	5730	-9.3	1.0	-19.3	-21.7	272	16.5	17.8
450	6615	6674	6533	-14.6	-3.9	-26.7	-25.7	271	19.3	20.7
400	7495	7556	7401	-20.5	-8.5	-30.9	-29.6	270	22.2	23.7
350	8473	8565	8353	-27.2	-14.5	-38.5	-34.4	268	25.7	27.1
300	9563	9641	9421	-35.1	-21.5	-45.5		266	28.9	30.3
250	10810	10897	10639	-44.4	-30.1	-53.7		264	31.0	32.9
200	12274	12443	12084	-54.9	-41.5	-65.7		262	31.9	33.7
175	13114	13242	12891	-60.7	-50.5	-72.7		262	30.5	32.4
150	14061	14236	13825	-66.4	-54.3	-76.1		263	30.0	31.7
125	15138	15401	14906	-71.5	-59.5	-82.1		265	30.5	32.4
100	16435	16723	16208	-75.5	-60.3	-83.3				
80	17720	18084	17570	-75.7	-65.9	-87.9				
70	18496	18887	18356	-73.5	-62.7	-85.5				
60	19403	19833	19265	-69.8	-58.1	-82.9				
50	20501	20966	20327	-65.5	-56.3	-79.3				
40	21864	22381	21676	-61.7	-52.0	-73.1				
30	23662	24225	23457	-58.8	-47.0	-69.3				
25	24782	25355	24590	-56.8	-47.9	-68.1				
20	26212	26872	26008	-54.5	-46.9	-65.5				
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
609	4280	4700	3700				099	16540	-77.2

NORMALS OF RADIOSONDE DATA

MONTH : JANUARY TIME : 1730 IST STATION : AHMEDABAD

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1007	1009	1005	27.0	34.8	16.0	10.6	010	1.6	2.4
1000	115	133	102	26.3	34.2	16.0	10.2	012	1.9	3.0
950	556	583	489	21.6	30.6	11.8	5.4	011	2.3	4.3
925	793	811	783	19.2	28.4	9.2	4.8	010	1.8	4.0
900	1027	1044	1011	17.5	29.2	7.0	2.4	352	1.5	4.1
850	1511	1531	1495	14.2	26.0	5.0	-0.9	290	1.7	4.5
800	2020	2043	2002	11.7	22.0	3.0	-4.2	268	3.7	5.9
750	2555	2582	2526	9.1	18.0	0.0	-7.1	266	6.0	7.9
700	3125	3151	3102	6.2	14.4	-3.1	-10.6	268	8.3	10.0
650	3728	3755	3694	2.8	12.0	-6.7	-13.4	270	10.6	12.1
600	4372	4407	4345	-0.8	8.4	-10.3	-17.0	271	13.6	15.0
550	5062	5101	5024	-5.0	5.0	-15.7	-21.3	271	16.1	17.6
500	5805	5855	5761	-9.6	1.2	-21.0	-25.4	271	19.6	21.0
450	6610	6669	6560	-14.9	-2.9	-25.5	-30.0	271	23.2	24.7
400	7494	7572	7438	-20.8	-8.9	-32.0	-35.0	271	26.8	28.5
350	8469	8565	8409	-27.2	-15.7	-39.0	-41.0	270	30.7	32.5
300	9566	9672	9499	-34.4	-21.7	-48.9	-47.9	269	35.4	37.5
250	10820	10947	10717	-43.0	-31.1	-56.0		268	38.3	40.5
200	12292	12436	12144	-53.0	-41.9	-66.7		268	39.4	42.0
175	13141	13309	12978	-58.4	-45.5	-72.9		268	39.1	41.5
150	14100	14280	13918	-63.7	-49.3	-76.0		268	36.7	38.5
125	15201	15402	14996	-69.1	-55.3	-82.1		269	32.1	33.7
100	16520	16739	16269	-73.9	-58.7	-86.0		269	26.7	28.0
80	17823	18067	17526	-73.5	-59.7	-86.1				
70	18617	18854	18291	-71.1	-57.5	-82.7				
60	19544	19772	19202	-67.4	-51.7	-81.3				
50	20654	20903	20289	-62.7	-46.9	-77.7				
40	22042	22301	21626	-58.4	-42.7	-72.9				
30	23869	24190	23387	-54.4	-35.7	-66.5				
25	25050	25396	24594	-52.3	-39.5	-63.1				
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
612	4220	4900	3710				097	16760	-75.7

NORMALS OF RADIOSONDE DATA

MONTH : FEBRUARY TIME : 1730 IST STATION : AHMEDABAD

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1005	1007	1002	29.7	37.4	17.0	10.1	339	1.3	2.6
1000	101	115	73	29.1	37.0	16.0	9.7	341	1.5	3.0
950	547	566	493	24.2	33.2	12.0	5.9	330	2.0	4.4
925	784	800	769	21.8	31.4	15.0	4.5	326	1.8	4.3
900	1021	1035	1000	19.8	30.2	9.8	3.2	310	1.8	4.4
850	1508	1526	1487	15.7	26.0	6.0	0.4	289	2.2	4.9
800	2019	2041	1993	12.3	22.0	3.0	-2.9	276	4.1	6.3
750	2554	2581	2512	9.4	19.8	0.2	-6.3	269	6.5	8.4
700	3125	3154	3090	6.4	16.2	-3.1	-9.2	270	8.7	10.6
650	3727	3758	3695	2.9	13.4	-6.9	-13.0	271	11.0	12.7
600	4371	4403	4328	-0.8	10.2	-12.0	-16.9	272	13.9	15.5
550	5060	5098	5023	-5.0	8.6	-15.1	-20.3	273	16.7	18.2
500	5804	5857	5750	-9.7	1.4	-20.0	-24.2	274	19.8	21.3
450	6608	6680	6562	-14.8	-2.9	-28.9	-29.2	274	23.3	24.9
400	7492	7587	7436	-20.6	-7.1	-33.0	-34.2	274	27.3	29.3
350	8468	8592	8408	-26.9	-14.1	-40.9	-40.2	273	31.6	33.7
300	9566	9729	9491	-34.0	-22.1	-50.9	-46.6	272	35.1	37.5
250	10820	11023	10727	-42.3	-31.3	-55.1		271	39.4	42.0
200	12299	12555	12191	-52.3	-42.1	-64.1		270	40.9	43.5
175	13152	13417	13034	-57.8	-45.0	-71.0		271	39.8	42.3
150	14114	14396	13997	-63.5	-51.1	-81.0		271	38.4	40.3
125	15218	15510	15077	-69.2	-56.9	-89.0		271	34.4	36.1
100	16541	16862	16323	-73.6	-60.1	-90.0		273	27.5	29.2
80	17842	18165	17583	-74.2	-61.5	-88.0				
70	18633	18946	18360	-71.7	-54.1	-86.0				
60	19560	19924	19234	-67.6	-50.5	-80.3				
50	20680	21074	20355	-62.6	-49.1	-74.0				
40	22090	22461	21621	-57.5	-44.3	-71.0				
30	23941	24323	23401	-53.9	-37.7	-67.0				
25	25129	25508	24796	-51.7	-40.1	-59.7				
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
611	4230	5110	3720				097	16770	-75.5

NORMALS OF RADIOSONDE DATA

MONTH : MARCH TIME : 1730 IST STATION : AHMEDABAD

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1003	1004	1001	34.8	42.4	20.6	11.0	306	1.7	2.8
1000	79	91	61	34.1	41.6	22.0	10.6	315	1.9	3.0
950	533	549	483	29.4	38.0	19.0	7.5	304	3.1	4.9
925	774	783	757	27.3	35.6	17.4	6.4	302	3.2	4.8
900	1015	1027	993	24.9	34.0	11.8	5.2	295	3.1	5.0
850	1511	1526	1487	20.4	29.2	9.0	2.6	285	3.4	5.2
800	2029	2046	2003	16.1	24.6	6.4	-0.3	278	4.4	6.0
750	2568	2592	2536	12.2	21.6	2.0	-3.9	271	6.2	7.7
700	3146	3170	3119	8.4	16.8	-3.0	-7.4	268	8.0	9.6
650	3752	3784	3715	4.5	13.0	-7.0	-10.6	268	9.7	11.4
600	4400	4437	4366	0.5	10.6	-11.0	-14.6	268	11.2	12.9
550	5090	5136	5051	-3.9	5.4	-15.0	-18.6	270	13.2	14.9
500	5838	5888	5800	-8.7	0.0	-20.0	-23.3	270	15.5	17.2
450	6644	6705	6596	-14.1	-3.0	-27.3	-28.0	271	17.7	19.5
400	7531	7600	7485	-20.1	-8.3	-36.7	-33.5	271	20.6	22.6
350	8507	8585	8449	-27.1	-12.3	-46.9	-39.7	272	23.9	26.1
300	9604	9700	9541	-34.5	-20.9	-58.1	-47.1	272	27.4	29.9
250	10856	10998	10778	-43.1	-28.5	-66.7	-54.8	272	30.6	33.5
200	12331	12502	12233	-52.2	-38.0	-75.1		271	31.1	33.9
175	13184	13369	13087	-57.2	-45.0	-78.7		269	29.9	32.8
150	14146	14363	14026	-62.6	-50.0	-81.9		269	27.9	30.4
125	15253	15479	15102	-68.3	-55.5	-79.1		268	25.8	27.7
100	16570	16816	16366	-73.2	-57.9	-86.1		271	21.1	22.6
80	17883	18151	17680	-72.8	-59.5	-84.9		275	15.4	16.9
70	18674	18963	18458	-70.3	-56.3	-84.0		275	12.3	14.1
60	19599	20026	19375	-66.4	-51.1	-78.0		277	10.0	11.5
50	20719	21184	20465	-61.7	-44.5	-79.5				
40	22111	22634	21779	-56.9	-39.9	-77.0				
30	23942	24563	23682	-52.6	-37.1	-74.0				
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
594	4480	4960	3950				097	16770	-75.0

NORMALS OF RADIOSONDE DATA

MONTH : APRIL TIME : 1730 IST STATION : AHMEDABAD

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	999	1002	997	38.8	44.0	22.0	14.5	282	2.3	3.1
1000	50	70	29	37.4	43.4	22.0	13.9	293	2.1	3.0
950	510	535	445	33.8	42.0	21.4	11.0	275	4.4	5.6
925	758	769	741	31.1	37.8	19.2	8.4	273	4.3	5.4
900	999	1015	982	29.3	37.2	17.8	8.6	273	4.6	5.8
850	1502	1523	1487	24.5	32.8	14.8	5.8	272	4.8	5.7
800	2027	2052	2010	19.7	28.0	9.8	3.2	271	5.3	6.1
750	2573	2607	2527	15.0	23.4	4.0	-0.2	269	6.1	7.0
700	3156	3190	3133	10.7	19.0	1.0	-4.2	265	7.0	8.2
650	3767	3807	3737	6.5	16.4	-1.3	-8.3	262	7.6	9.1
600	4419	4463	4390	2.3	11.4	-5.5	-12.8	265	8.1	9.9
550	5114	5162	5068	-2.2	6.2	-11.0	-17.5	269	8.8	10.7
500	5866	5917	5815	-7.3	3.6	-15.3	-22.1	271	9.9	11.9
450	6677	6736	6624	-12.8	-1.1	-21.7	-26.4	272	11.9	14.0
400	7568	7639	7502	-19.1	-7.3	-30.0	-31.5	272	14.4	16.7
350	8547	8639	8470	-26.1	-15.7	-37.5	-37.9	272	16.9	19.5
300	9649	9763	9556	-33.7	-23.1	-45.7	-45.3	271	20.8	23.6
250	10906	11043	10799	-42.3	-31.3	-55.0	-53.1	269	24.4	27.3
200	12384	12562	12269	-51.5	-40.7	-64.9		266	26.2	28.9
175	13243	13458	13133	-56.5	-42.9	-71.0		265	26.0	28.2
150	14209	14442	14091	-61.8	-48.3	-74.3		265	25.1	26.9
125	15318	15567	15179	-67.7	-54.1	-84.1		267	21.2	23.1
100	16639	16893	16487	-72.9	-59.1	-88.7		268	16.4	18.5
80	17947	18219	17747	-73.2	-59.7	-87.5		274	8.8	12.3
70	18743	19023	18516	-70.6	-55.1	-82.7		274	5.7	10.1
60	19674	19971	19437	-66.0	-48.3	-78.1		283	2.1	7.7
50	20792	21119	20495	-60.5	-44.0	-78.0		075	0.6	6.9
40	22202	22571	21920	-55.6	-42.7	-73.1		098	1.4	5.5
30	24057	24504	23774	-50.7	-39.1	-63.1				
25	25253	25686	24861	-48.5	-38.5	-61.9				
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
573	4790	5490	4150				095	16970	-74.8

NORMALS OF RADIOSONDE DATA

MONTH : MAY TIME : 1730 IST STATION : AHMEDABAD

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	996	999	994	40.5	46.0	20.6	17.4	254	2.8	3.8
1000	24	47	4							
950	487	513	422	35.9	44.4	25.2	15.0	256	5.0	6.4
925	735	745	695	33.4	42.6	26.2	13.7	252	6.2	8.0
900	980	1000	943	31.3	41.0	20.2	12.7	257	5.5	6.6
850	1487	1507	1454	26.6	34.8	18.0	10.1	262	5.9	6.6
800	2016	2038	1989	21.9	30.6	12.0	7.4	267	6.1	6.8
750	2567	2598	2531	17.4	26.8	8.0	3.4	271	5.9	6.8
700	3154	3187	3132	12.9	22.8	3.4	-1.6	274	5.3	6.9
650	3770	3808	3732	8.5	17.2	-0.5	-6.4	277	4.7	7.1
600	4426	4468	4392	4.1	13.2	-7.9	-10.8	285	4.3	7.2
550	5127	5172	5087	-0.2	8.8	-11.3	-15.3	293	4.7	7.5
500	5884	5931	5836	-4.8	5.0	-16.7	-20.3	298	5.5	8.3
450	6703	6754	6647	-10.0	2.4	-22.5	-25.1	297	6.7	9.6
400	7605	7655	7549	-15.7	-6.1	-29.1	-29.9	293	8.1	11.2
350	8598	8664	8530	-22.4	-11.7	-36.3	-36.1	284	9.6	12.6
300	9716	9798	9643	-30.0	-18.1	-41.0	-43.1	275	11.8	14.7
250	10992	11101	10892	-38.9	-27.7	-53.3		269	13.2	16.3
200	12488	12654	12364	-49.5	-37.7	-64.1		262	14.5	17.6
175	13357	13539	13226	-55.5	-45.3	-70.7		260	14.0	17.2
150	14329	14527	14178	-61.8	-49.9	-77.5		258	12.4	15.6
125	15436	15658	15263	-68.6	-56.3	-82.1		249	9.0	13.2
100	16757	17027	16562	-74.1	-60.3	-83.0		237	4.7	10.8
80	18063	18338	17846	-74.0	-59.1	-85.0		145	2.0	8.7
70	18851	19134	18627	-71.0	-52.5	-85.0		110	3.6	8.6
60	19781	20081	19554	-66.0	-45.5	-78.0		101	6.3	8.7
50	20906	21232	20678	-59.5	-43.1	-73.1		103	5.5	7.9
40	22316	22665	22008	-54.2	-39.1	-67.0		096	6.7	8.2
30	24182	24572	23884	-49.6	-35.1	-62.7				
25	25378	25734	25026	-47.5	-33.1	-61.1				
20	26833	27290	26439	-45.5	-32.1	-59.9				
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
551	5110	5720	4690				096	17020	-76.0

NORMALS OF RADIOSONDE DATA

MONTH : JUNE TIME : 1730 IST STATION : AHMEDABAD

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	993	995	991	37.2	45.6	23.0	22.7	227	2.8	3.8
1000	9	20	0							
950	451	467	389	33.1	43.4	19.4	20.1	228	5.1	6.7
925	699	710	680	31.4	43.0	19.6	18.8	239	5.4	6.9
900	940	956	919	28.9	40.6	17.2	17.9	233	5.5	7.0
850	1444	1466	1420	24.7	36.6	12.6	15.8	242	5.3	7.0
800	1972	1998	1942	20.8	30.8	10.4	13.2	253	4.6	7.1
750	2523	2555	2469	17.1	26.6	7.4	8.5	270	3.0	6.6
700	3110	3141	3068	13.9	23.8	4.2	2.7	310	1.7	6.5
650	3729	3761	3675	9.8	19.4	-1.0	-1.9	360	1.7	6.8
600	4389	4420	4344	5.5	13.8	-3.0	-6.1	017	2.1	7.0
550	5094	5127	5045	1.3	8.8	-7.9	-9.4	016	2.1	6.8
500	5856	5893	5811	-2.4	5.4	-11.7	-12.7	012	2.2	6.7
450	6685	6722	6640	-6.3	3.2	-17.7	-17.3	360	1.9	6.8
400	7600	7635	7554	-11.2	-3.9	-23.9	-22.6	006	1.6	7.0
350	8612	8649	8558	-17.4	-10.1	-31.3	-28.7	007	1.3	7.2
300	9754	9799	9697	-25.2	-17.3	-39.9	-36.2	043	0.9	7.6
250	11055	11122	10969	-34.8	-26.5	-46.9	-45.3	103	1.4	8.6
200	12576	12674	12465	-46.8	-38.1	-57.9		107	3.2	9.9
175	13449	13562	13323	-53.9	-44.9	-66.7		107	4.8	10.8
150	14424	14552	14284	-61.6	-51.5	-71.7		100	6.3	11.6
125	15528	15674	15376	-69.7	-59.3	-80.3		098	9.0	12.9
100	16832	17006	16637	-76.7	-64.5	-87.0		092	12.2	14.7
80	18116	18320	17912	-76.7	-62.5	-89.0		092	14.4	15.7
70	18895	19119	18685	-72.6	-57.5	-86.0		092	14.9	16.1
60	19822	20081	19593	-66.2	-50.9	-81.0		095	13.5	14.5
50	20948	21224	20617	-59.7	-46.1	-77.0		091	12.9	13.4
40	22366	22628	22011	-55.1	-41.1	-74.0		093	14.0	14.5
30	24242	24545	23972	-50.1	-34.7	-67.0				
25	25424	25800	25143	-47.8	-36.1	-59.7				
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
532	5360	5710	5000				095	17190	-78.8

NORMALS OF RADIOSONDE DATA

MONTH : JULY TIME : 1730 IST STATION : AHMEDABAD

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	993	995	991	31.8	40.4	24.0	24.9	227	2.4	3.1
1000	9	24	0							
950	446	472	402	28.6	38.0	18.2	22.0	233	5.2	6.5
925	686	697	676	27.0	36.8	17.2	20.7	238	6.0	7.2
900	929	947	907	25.2	34.0	16.2	19.8	240	6.4	7.6
850	1428	1447	1404	21.7	30.6	14.2	17.6	247	6.7	7.9
800	1952	1973	1925	18.5	31.0	12.0	15.0	251	6.2	7.7
750	2501	2524	2468	15.6	25.0	10.0	11.2	262	5.0	7.0
700	3085	3119	3055	13.3	20.2	7.0	6.1	283	3.4	6.5
650	3705	3741	3669	10.1	17.8	3.4	1.7	310	2.7	6.4
600	4366	4410	4333	6.4	15.2	-0.9	-2.0	335	2.1	6.3
550	5075	5120	5030	2.5	11.4	-5.1	-5.4	355	2.0	6.1
500	5841	5890	5800	-1.4	7.2	-8.9	-9.1	024	1.6	5.7
450	6673	6723	6630	-5.4	2.8	-13.1	-13.8	056	2.1	5.9
400	7593	7647	7547	-10.3	-3.7	-18.5	-18.9	071	3.1	6.0
350	8609	8666	8552	-16.5	-8.9	-24.3	-25.9	080	4.7	6.7
300	9755	9830	9693	-24.1	-15.1	-35.3	-33.6	085	6.7	8.1
250	11061	11142	10984	-33.9	-25.3	-45.1	-43.1	090	9.1	10.3
200	12586	12666	12501	-46.3	-36.5	-59.1		091	13.3	14.5
175	13461	13545	13365	-53.6	-43.5	-67.1		090	16.3	17.5
150	14433	14520	14321	-61.8	-50.9	-74.5		089	19.0	20.1
125	15537	15659	15399	-70.2	-59.5	-83.0		089	22.0	23.2
100	16843	16992	16675	-76.6	-64.5	-92.0		088	23.5	24.2
80	18133	18296	17915	-74.7	-58.1	-92.0		088	24.0	24.6
70	18923	19119	18681	-70.5	-52.5	-86.0		090	22.8	23.4
60	19850	20035	19554	-65.2	-47.1	-82.0		089	21.1	21.6
50	20985	21172	20590	-58.9	-41.1	-77.0		087	19.5	20.1
40	22415	22641	22032	-53.9	-33.7	-65.0				
30	24277	24488	23709	-49.9	-33.9	-61.1				
25	25476	25822	25235	-47.8	-36.3	-56.9				
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
517	5560	6190	5150				099	16960	-78.2

NORMALS OF RADIOSONDE DATA

MONTH : AUGUST TIME : 1730 IST STATION : AHMEDABAD

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	995	996	993	30.7	40.0	23.4	24.7	243	2.0	2.6
1000	10	22	0							
950	461	479	408	27.4	36.4	19.0	21.4	250	4.6	5.6
925	708	714	701	26.0	31.4	18.6	20.0	251	4.8	5.8
900	942	956	924	23.9	32.6	15.0	19.2	254	5.6	6.6
850	1439	1455	1420	20.5	28.8	14.6	16.8	258	6.0	7.2
800	1960	1980	1940	17.5	27.2	10.2	14.0	262	5.4	6.9
750	2508	2534	2485	15.1	25.2	6.2	10.2	275	4.0	6.3
700	3092	3122	3068	12.7	21.6	3.2	5.4	301	2.7	5.8
650	3710	3745	3684	9.5	18.0	1.4	1.1	327	2.5	5.7
600	4370	4414	4341	5.9	14.0	-5.0	-2.9	343	2.3	5.5
550	5079	5128	5041	2.1	9.4	-7.0	-6.4	359	2.0	5.4
500	5842	5899	5797	-1.6	6.4	-10.0	-10.6	015	1.9	5.5
450	6674	6735	6618	-5.9	3.8	-17.0	-15.1	046	2.2	5.7
400	7591	7660	7526	-10.9	-2.9	-22.1	-20.4	066	3.2	5.9
350	8604	8677	8530	-17.0	-10.0	-27.0	-26.7	075	4.6	6.7
300	9748	9832	9658	-24.7	-17.0	-34.0	-34.3	083	7.0	8.3
250	11051	11144	10940	-34.5	-25.7	-44.5	-43.7	087	9.7	10.7
200	12575	12686	12427	-46.6	-34.1	-58.0		091	13.5	14.6
175	13448	13559	13276	-53.9	-41.1	-64.0		091	15.9	17.0
150	14420	14537	14228	-62.2	-50.7	-74.0		089	18.4	19.6
125	15520	15658	15308	-70.8	-59.5	-83.5		089	20.7	21.8
100	16821	16979	16600	-76.8	-63.9	-89.0		087	21.8	22.6
80	18117	18298	17918	-74.1	-54.1	-86.3		088	21.2	21.9
70	18910	19094	18684	-69.8	-52.3	-83.9		091	20.2	20.7
60	19840	20048	19578	-64.2	-46.1	-75.0		091	18.5	18.8
50	20971	21182	20637	-59.5	-42.3	-74.0		089	18.7	19.0
40	22405	22697	21969	-55.3	-40.1	-66.7		091	18.8	19.0
30	24271	24579	23758	-51.0	-40.3	-62.0				
25	25476	25991	25140	-48.7	-38.0	-58.9				
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
523	5490	5990	4880				101	16820	-78.2

NORMALS OF RADIOSONDE DATA

MONTH : SEPTEMBER TIME : 1730 IST STATION : AHMEDABAD

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	998	1001	996	32.6	42.0	23.0	23.5	264	1.2	2.0
1000	41	60	16	33.1	39.4	24.2	22.2	270	1.1	1.8
950	493	520	440	28.7	37.0	19.0	19.2	265	2.6	4.4
925	735	745	723	26.5	33.6	19.8	17.3	270	2.8	4.4
900	976	997	951	24.8	33.0	16.0	16.7	267	2.9	4.8
850	1474	1493	1452	21.0	29.4	13.6	14.0	272	3.0	5.2
800	1996	2014	1973	17.5	26.0	9.6	10.2	278	2.7	5.4
750	2542	2562	2517	14.3	22.2	5.4	5.2	291	1.6	5.2
700	3122	3145	3097	11.0	20.0	3.4	0.6	331	1.0	5.1
650	3737	3770	3709	7.5	17.0	-1.7	-3.4	349	1.0	5.1
600	4391	4418	4361	4.2	12.8	-5.0	-7.1	327	0.9	5.1
550	5095	5123	5054	1.2	8.2	-6.7	-10.0	303	1.2	5.3
500	5856	5890	5814	-2.3	6.4	-11.3	-13.7	292	1.3	5.5
450	6685	6724	6636	-6.6	2.0	-15.1	-18.4	280	1.2	5.8
400	7597	7645	7548	-12.1	-4.5	-21.3	-23.8	272	0.7	5.7
350	8606	8662	8544	-18.7	-10.3	-28.9	-30.4	212	0.4	5.9
300	9741	9809	9683	-26.7	-16.3	-37.1	-37.6	157	1.2	6.5
250	11032	11114	10952	-36.6	-24.9	-47.5	-47.4	140	2.2	7.6
200	12541	12655	12431	-48.8	-36.5	-59.7		129	3.9	9.0
175	13406	13520	13278	-56.0	-43.1	-68.9		125	5.5	10.2
150	14368	14480	14212	-64.0	-52.1	-76.3		118	7.1	11.2
125	15462	15590	15278	-72.0	-62.1	-82.0		107	8.8	11.8
100	16755	16910	16545	-77.0	-57.5	-89.0		095	10.6	12.6
80	18050	18233	17812	-73.4	-55.1	-87.0		093	12.4	13.5
70	18844	19043	18596	-68.7	-49.9	-87.9		095	12.0	12.8
60	19789	19988	19476	-63.6	-46.1	-84.3		095	11.5	12.5
50	20922	21136	20527	-58.9	-44.9	-76.5		088	11.9	12.4
40	22343	22584	21889	-54.7	-42.3	-70.7		091	13.0	13.6
30	24199	24512	23813	-51.3	-39.1	-63.1				
25	25368	25771	25136	-49.8	-37.5	-62.7				
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
534	5340	5890	4880				102	16640	-78.6

NORMALS OF RADIOSONDE DATA

MONTH : OCTOBER TIME : 1730 IST STATION : AHMEDABAD

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1002	1005	999	34.2	40.0	21.6	18.3	006	0.6	1.6
1000	74	101	50	33.9	40.0	21.8	17.3	011	0.8	1.8
950	528	558	479	29.7	38.0	20.8	12.4	011	1.4	3.8
925	770	793	756	27.0	35.8	20.0	12.0	035	1.5	3.6
900	1011	1033	989	25.5	36.0	18.0	9.5	004	1.3	3.7
850	1509	1527	1484	21.2	31.4	13.0	6.7	004	1.4	4.0
800	2029	2044	2001	16.9	26.2	9.0	3.2	007	1.5	4.5
750	2572	2594	2540	12.9	21.0	5.0	-0.7	008	1.5	4.8
700	3149	3174	3119	9.2	18.0	-1.0	-4.5	356	1.5	5.1
650	3760	3788	3731	6.0	14.2	-4.0	-8.1	334	1.7	5.3
600	4410	4445	4381	3.1	13.2	-5.5	-11.9	309	2.6	5.8
550	5111	5150	5082	-0.3	8.2	-8.7	-15.9	300	3.6	6.7
500	5867	5918	5832	-4.6	3.2	-13.0	-19.4	291	4.7	8.0
450	6687	6748	6647	-9.6	-0.9	-19.0	-24.0	283	6.2	9.4
400	7592	7689	7549	-15.3	-5.9	-25.9	-29.5	276	8.2	11.1
350	8574	8667	8536	-22.0	-11.9	-33.5	-35.1	272	9.9	12.7
300	9707	9806	9627	-30.0	-20.9	-39.7	-42.4	265	11.9	14.3
250	10983	11088	10880	-39.5	-30.3	-52.7		258	13.9	16.2
200	12471	12612	12358	-50.9	-40.1	-64.9		250	15.0	17.5
175	13330	13478	13220	-57.6	-47.5	-78.0		247	14.5	17.1
150	14285	14454	14162	-64.7	-52.7	-80.7		246	13.1	15.9
125	15379	15598	15232	-71.4	-57.9	-89.5		244	9.9	13.2
100	16679	16923	16528	-75.8	-61.0	-89.0		230	5.2	9.6
80	17980	18251	17787	-72.6	-55.7	-86.0		184	1.6	7.5
70	18774	19045	18556	-68.4	-51.3	-84.0		120	2.2	6.6
60	19713	20004	19450	-63.7	-48.9	-83.0		103	3.2	6.3
50	20847	21156	20528	-58.9	-41.5	-80.0		104	4.4	6.7
40	22270	22607	21886	-55.0	-41.9	-70.0		097	5.5	7.1
30	24122	24547	23528	-51.4	-36.5	-60.9		098	6.9	8.2
25	25319	25794	24746	-49.4	-36.1	-59.7		098	7.7	9.4
20	26779	27067	26605	-47.3	-35.3	-57.1				
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
557	5020	5660	4490				104	16490	-77.0

NORMALS OF RADIOSONDE DATA

MONTH : NOVEMBER TIME : 1730 IST STATION : AHMEDABAD

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1005	1008	1002	31.2	37.0	20.0	13.6	040	1.3	1.9
1000	102	123	77	30.7	36.2	19.0	12.9	036	1.8	2.4
950	550	575	496	26.2	35.2	16.0	8.2	040	2.6	4.0
925	788	802	776	23.8	31.2	18.0	6.7	037	2.6	3.8
900	1027	1044	1004	21.9	30.0	11.2	5.6	042	2.3	3.8
850	1519	1534	1497	17.9	31.0	9.0	3.1	037	1.9	3.9
800	2033	2051	2008	14.3	24.6	5.4	0.1	020	1.3	4.3
750	2573	2593	2545	11.5	22.4	0.0	-3.8	337	1.0	4.8
700	3147	3168	3115	8.7	19.2	-0.9	-7.4	301	1.9	5.5
650	3757	3781	3722	5.8	15.8	-4.1	-10.8	294	3.3	6.6
600	4406	4436	4371	2.3	11.4	-7.1	-13.7	286	4.9	7.9
550	5103	5140	5068	-1.8	6.8	-11.7	-17.4	284	6.4	9.4
500	5855	5901	5818	-6.6	2.2	-15.9	-22.3	282	8.6	11.4
450	6668	6724	6631	-11.9	-2.0	-21.7	-27.1	279	11.0	13.7
400	7561	7635	7514	-18.1	-8.0	-27.7	-32.0	275	14.0	16.5
350	8546	8626	8491	-25.0	-14.9	-33.7	-38.6	272	17.1	19.6
300	9652	9750	9586	-32.8	-22.5	-43.0	-46.0	269	20.4	22.9
250	10910	11032	10827	-42.0	-30.3	-52.0		264	23.8	26.1
200	12388	12528	12266	-52.7	-41.5	-63.0		259	25.8	28.1
175	13240	13410	13098	-58.7	-47.1	-69.1		258	25.1	27.3
150	14192	14364	14030	-64.7	-53.7	-75.9		259	23.0	24.7
125	15284	15478	15111	-70.3	-58.9	-80.3		259	19.2	20.9
100	16593	16813	16414	-75.0	-61.1	-85.9		260	12.8	15.1
80	17892	18121	17686	-74.1	-58.9	-84.9		261	6.6	10.2
70	18679	18927	18458	-71.2	-57.5	-82.0		263	4.1	7.9
60	19604	19898	19321	-66.5	-53.7	-77.5		269	2.7	6.8
50	20723	20984	20403	-61.4	-47.5	-71.7		282	1.0	6.4
40	22131	22318	21755	-56.9	-40.5	-66.7		283	1.3	6.3
30	23979	24220	23688	-52.8	-41.1	-64.9				
25	25159	25416	24917	-51.3	-37.5	-63.3				
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
573	4780	5340	4390				100	16650	-76.4

NORMALS OF RADIOSONDE DATA

MONTH : DECEMBER TIME : 1730 IST STATION : AHMEDABAD

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1007	1009	1005	28.0	33.4	18.2	11.5	030	1.5	2.2
1000	119	131	102	27.5	33.0	16.0	11.0	029	2.0	2.8
950	563	580	515	23.0	29.0	11.4	6.3	035	2.5	4.0
925	802	812	792	20.7	27.8	11.4	4.9	041	2.6	3.9
900	1034	1046	1015	18.9	29.4	7.4	3.6	039	1.8	3.8
850	1521	1532	1502	15.7	26.4	4.2	0.2	016	0.7	4.0
800	2032	2048	2012	13.0	23.2	2.2	-3.5	288	1.4	4.8
750	2570	2592	2547	10.5	20.4	-0.5	-6.4	274	2.9	5.8
700	3142	3168	3117	7.7	18.0	-1.9	-9.5	273	4.8	7.2
650	3749	3784	3721	4.5	16.0	-6.9	-12.9	273	6.7	8.9
600	4396	4440	4367	0.9	12.0	-8.1	-16.4	272	9.2	11.2
550	5088	5144	5050	-3.5	7.8	-12.7	-20.1	272	11.5	13.2
500	5836	5905	5799	-8.4	1.2	-17.1	-23.8	271	14.4	16.0
450	6643	6726	6602	-13.8	-3.0	-23.1	-28.2	269	17.2	18.8
400	7529	7626	7472	-20.0	-8.0	-35.0	-33.9	268	20.5	22.1
350	8506	8626	8435	-26.8	-16.3	-39.3	-39.8	266	24.2	25.9
300	9604	9748	9511	-34.7	-22.9	-47.7	-46.9	265	28.0	30.0
250	10854	11026	10736	-43.8	-30.9	-55.9		262	32.4	34.5
200	12321	12519	12173	-54.1	-42.1	-66.5		259	34.5	37.0
175	13166	13375	12994	-59.5	-47.0	-72.1		259	34.5	36.7
150	14116	14335	13917	-64.5	-53.9	-75.0		260	32.6	34.4
125	15220	15446	15008	-68.6	-59.1	-80.0		261	29.6	31.0
100	16544	16810	16308	-72.8	-63.5	-85.0		262	22.5	23.9
80	17850	18106	17607	-73.0	-58.5	-86.0		262	16.0	17.7
70	18640	18956	18379	-70.7	-55.7	-85.0		265	12.3	14.1
60	19564	19889	19301	-67.0	-51.1	-80.1		271	8.4	10.8
50	20675	21029	20387	-62.5	-45.7	-78.0		270	5.8	9.4
40	22065	22447	21697	-58.6	-42.5	-74.9				
30	23889	24192	23507	-54.4	-42.9	-73.3				
25	25057	25438	24566	-52.9	-38.3	-71.1				
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
593	4500	5270	4040				100	16630	-74.4

NORMALS OF RADIOSONDE DATA

MONTH : JANUARY TIME : 1730 IST STATION : AMINI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1009	1011	1007	29.8	32.4	24.2	22.5	014	2.3	2.8
1000	83	100	68	28.9	31.8	24.6	21.7	017	3.0	3.6
950	529	553	499	23.9	33.0	16.4	17.3	026	3.4	4.1
925	765	781	750	21.8	31.6	15.0	13.7	032	2.8	3.7
900	1006	1022	993	20.8	30.2	13.8	12.6	045	2.7	3.6
850	1498	1515	1482	18.1	28.6	11.2	6.7	069	2.5	4.0
800	2015	2038	1994	15.6	25.8	7.4	1.2	076	2.5	4.5
750	2557	2590	2535	13.3	24.0	5.8	-3.2	077	2.4	5.0
700	3136	3174	3110	10.6	20.8	2.4	-6.6	080	2.5	5.5
650	3747	3782	3719	7.3	14.8	-1.7	-9.2	077	2.6	5.4
600	4403	4455	4371	3.8	12.6	-5.1	-11.0	080	2.7	5.8
550	5105	5168	5071	-0.2	8.6	-10.7	-14.3	071	2.8	6.5
500	5861	5926	5824	-4.7	3.4	-14.5	-18.0	071	2.4	7.0
450	6682	6762	6636	-9.7	-0.9	-22.1	-22.8	062	1.4	7.4
400	7580	7661	7530	-15.5	-5.1	-29.7	-29.2	342	1.1	8.2
350	8573	8651	8521	-22.2	-11.9	-35.7	-33.5	282	1.7	8.9
300	9692	9794	9627	-30.5	-20.7	-47.1		249	3.5	9.5
250	10963	11085	10879	-40.6	-25.5	-58.7		212	6.1	11.6
200	12441	12598	12339	-52.9	-34.3	-67.9		208	6.8	12.6
175	13289	13487	13135	-59.5	-38.5	-73.3		211	5.4	11.8
150	14232	14412	14071	-66.5	-42.3	-77.1		235	4.6	10.8
125	15295	15551	15151	-72.9	-50.1	-81.3		246	3.7	9.6
100	16578	16823	16310	-78.1	-68.9	-86.5		233	0.3	7.9
80	17846	17976	17524	-78.0	-68.7	-87.1		077	2.5	7.1
70	18612	18733	18261	-75.0	-65.5	-85.3		118	2.5	6.2
60	19515	19639	19142	-70.6	-59.5	-80.3				
50	20617	20728	20234	-65.6	-57.1	-72.9				
40	22014	22097	21778	-61.2	-53.9	-78.1				
30										
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
554	5040	5600	4490				096	16830	-79.9

NORMALS OF RADIOSONDE DATA

MONTH : FEBRUARY TIME : 1730 IST STATION : AMINI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1009	1011	1008	30.5	33.0	26.6	22.3	354	2.8	3.1
1000	83	94	72	29.4	32.0	24.8	21.9	352	3.4	3.8
950	523	547	477	24.2	33.4	18.2	17.2	002	3.6	4.2
925	761	776	747	22.1	33.4	16.2	13.1	003	3.1	3.9
900	1006	1021	992	21.3	33.4	11.6	11.2	020	2.2	3.5
850	1499	1522	1481	18.8	31.0	11.2	6.0	066	2.0	4.0
800	2018	2048	1995	16.0	26.8	8.0	1.4	085	2.9	4.9
750	2556	2598	2530	13.4	23.0	5.2	-3.7	082	3.0	5.1
700	3139	3186	3114	10.6	19.8	2.6	-8.0	071	2.6	5.3
650	3747	3792	3717	7.3	16.0	-1.9	-11.0	068	2.2	5.5
600	4406	4466	4377	3.7	12.4	-5.9	-14.4	052	1.9	6.1
550	5110	5182	5069	-0.4	8.0	-10.9	-16.7	039	2.1	6.6
500	5863	5937	5816	-4.9	3.8	-17.3	-19.4	028	1.8	7.0
450	6683	6755	6627	-9.9	-0.9	-24.5		353	1.8	7.4
400	7583	7668	7517	-15.6	-6.1	-28.7		328	2.7	8.5
350	8576	8667	8503	-22.2	-12.3	-35.5		302	3.7	9.2
300	9698	9805	9595	-30.4	-19.9	-44.9		274	4.4	9.6
250	10966	11101	10849	-40.7	-29.9	-55.5		264	5.4	11.0
200	12449	12618	12313	-52.7	-42.5	-62.7		265	4.2	11.0
175	13296	13512	13192	-59.5	-49.1	-68.9		271	3.8	11.1
150	14246	14492	14082	-66.7	-55.1	-76.1		277	3.8	11.0
125	15326	15654	15054	-73.2	-61.5	-85.3		277	4.3	10.6
100	16602	16984	16418	-78.0	-64.1	-87.3		324	1.5	7.7
80	17860	18339	17671	-77.5	-69.5	-85.7		259	0.3	6.5
70	18630	19130	18406	-74.0	-66.7	-83.1		268	1.7	6.5
60	19531	20048	19191	-70.3	-63.1	-80.5		255	2.7	6.6
50	20632	21166	20264	-65.5	-56.1	-76.7		271	0.9	6.5
40	21971	22151	21603	-60.9	-51.7	-71.9		249	1.0	8.2
30	23748	24021	23355	-57.0	-46.3	-63.7				
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
554	5040	5560	4330				103	16490	-79.2

NORMALS OF RADIOSONDE DATA

MONTH : MARCH TIME : 1730 IST STATION : AMINI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1008	1009	1006	31.1	33.8	24.6	23.6	338	2.7	3.2
1000	75	86	56	30.2	33.2	24.4	23.1	337	3.2	3.7
950	521	540	482	25.0	32.8	19.4	19.0	343	3.2	4.0
925	758	774	741	23.4	30.4	18.0	13.9	341	2.2	3.6
900	1002	1013	984	22.9	32.2	16.0	11.6	006	2.3	3.8
850	1498	1514	1478	20.8	28.6	14.6	6.5	048	2.4	4.3
800	2019	2041	1998	17.7	28.6	10.8	3.2	071	3.6	5.3
750	2565	2596	2533	14.2	30.6	7.4	-1.2	082	5.1	6.6
700	3145	3182	3115	10.6	27.0	3.4	-5.3	086	4.8	6.4
650	3756	3800	3716	7.4	20.4	0.4	-9.4	083	3.6	5.9
600	4412	4464	4374	4.0	14.8	-2.7	-12.2	075	3.3	6.0
550	5116	5180	5068	0.1	9.8	-7.1	-15.3	068	3.2	6.2
500	5872	5951	5817	-4.3	6.0	-11.5	-19.9	058	2.6	6.4
450	6694	6782	6631	-9.3	1.2	-17.9	-22.1	035	2.0	7.1
400	7596	7702	7530	-15.1	-4.7	-23.9	-27.6	356	1.4	7.6
350	8592	8712	8520	-21.9	-8.1	-30.3		298	2.0	8.3
300	9709	9853	9634	-30.1	-19.1	-41.7		268	3.3	9.2
250	10983	11161	10892	-40.0	-28.3	-51.7		260	4.3	10.5
200	12464	12689	12300	-52.2	-41.1	-67.1		258	5.6	11.3
175	13310	13528	13151	-58.9	-47.7	-77.3		263	5.4	11.5
150	14262	14493	14090	-66.0	-52.9	-77.3		277	5.1	10.7
125	15328	15625	15160	-73.1	-60.3	-85.1		279	4.1	9.9
100	16598	17001	16332	-78.8	-67.1	-89.7		283	0.9	7.9
80	17872	18435	17537	-76.2	-64.1	-88.7		225	1.3	6.5
70	18657	19217	18278	-72.5	-57.5	-82.9		262	2.5	5.8
60	19580	20149	19153	-67.5	-51.7	-77.5		271	4.5	6.7
50	20657	21275	20222	-63.4	-50.5	-73.5		255	3.1	7.6
40	22026	22699	21564	-59.1	-48.7	-70.3				
30	23850	24594	23324	-53.7	-43.3	-63.1				
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
549	5120	5910	4520				100	16650	-80.3

NORMALS OF RADIOSONDE DATA

MONTH : APRIL TIME : 1730 IST STATION : AMINI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1007	1009	1005	31.8	34.6	26.4	24.5	317	2.9	3.4
1000	63	80	51	31.0	33.8	26.0	24.1	317	3.6	4.1
950	510	534	480	25.8	31.8	17.4	20.3	321	3.8	4.5
925	752	767	735	23.6	30.4	15.6	17.0	322	3.8	4.8
900	993	1009	981	23.3	32.0	14.2	14.5	335	2.8	4.2
850	1490	1508	1475	21.7	30.0	15.2	8.2	012	2.5	4.3
800	2013	2032	1996	18.8	26.4	7.2	5.3	044	3.3	4.8
750	2557	2583	2541	15.3	23.4	6.4	2.4	068	4.6	5.7
700	3143	3167	3123	11.3	20.4	0.8	-1.2	080	5.9	6.9
650	3753	3784	3732	7.2	15.4	-1.1	-5.9	084	5.7	6.9
600	4411	4450	4383	3.5	12.0	-3.7	-10.6	084	4.4	6.1
550	5114	5162	5078	-0.1	9.0	-7.7	-15.3	082	3.1	5.6
500	5870	5929	5825	-4.2	5.6	-11.1	-19.1	069	2.4	5.6
450	6692	6769	6640	-9.0	1.0	-16.9	-23.6	063	1.6	6.3
400	7595	7688	7535	-14.9	-6.1	-24.1	-27.7	031	0.9	7.1
350	8590	8690	8524	-21.5	-12.3	-29.1	-33.1	279	1.0	8.7
300	9713	9836	9632	-29.4	-19.7	-37.7		264	2.8	9.1
250	10990	11131	10896	-39.4	-29.1	-49.7		255	4.3	10.5
200	12478	12639	12368	-51.4	-40.3	-61.1		234	5.6	11.5
175	13324	13501	13215	-58.4	-46.1	-69.1		231	5.3	11.2
150	14265	14457	14131	-65.9	-53.5	-75.7		236	4.4	10.4
125	15340	15757	15060	-73.1	-61.1	-83.5		219	1.8	8.3
100	16630	17014	16481	-78.6	-69.9	-88.1		107	2.8	7.3
80	17905	18327	17727	-77.3	-70.1	-84.7		090	3.1	6.4
70	18688	19104	18438	-73.2	-65.3	-82.9		092	3.7	6.1
60	19602	20003	19337	-68.7	-55.5	-78.1		104	1.9	6.9
50	20706	21082	20412	-63.5	-50.9	-74.5		113	3.7	8.5
40	22090	22460	21737	-58.6	-45.5	-70.1		097	6.7	10.7
30	23928	24288	23548	-53.1	-37.5	-62.9				
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
551	5090	5840	4480				099	16730	-80.1

NORMALS OF RADIOSONDE DATA

MONTH : MAY TIME : 1730 IST STATION : AMINI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1006	1008	1005	31.6	35.2	24.8	23.5	303	3.5	4.2
1000	57	71	43	30.9	35.2	24.6	24.8	308	4.1	4.7
950	506	528	456	25.9	37.2	19.6	20.8	309	4.6	5.3
925	748	761	737	24.0	35.2	17.4	18.4	308	4.3	5.2
900	987	1003	973	22.8	33.4	15.0	16.6	309	3.9	4.9
850	1483	1499	1466	20.6	29.8	12.0	11.0	320	3.2	4.8
800	2005	2022	1982	18.3	27.6	11.0	6.7	354	2.6	5.1
750	2552	2570	2518	15.1	23.6	7.0	3.5	039	2.6	5.6
700	3136	3153	3102	11.4	20.4	4.0	-0.1	063	3.4	6.3
650	3748	3770	3710	7.4	17.2	-2.5	-3.8	071	4.0	6.6
600	4404	4438	4360	3.4	12.8	-4.1	-7.7	072	3.6	6.4
550	5106	5150	5055	-0.3	8.6	-8.9	-12.0	062	2.6	6.3
500	5862	5916	5805	-4.3	4.8	-14.1	-15.8	046	2.2	6.5
450	6684	6754	6621	-8.8	2.2	-16.1	-20.0	050	2.0	6.6
400	7589	7671	7516	-14.3	-1.7	-21.1	-25.4	045	1.4	6.8
350	8588	8689	8507	-20.8	-7.5	-28.1	-30.9	072	0.6	6.7
300	9715	9836	9620	-28.6	-12.3	-37.1	-37.8	133	0.6	6.5
250	10994	11142	10890	-38.5	-18.9	-48.7	-46.2	156	1.9	6.9
200	12487	12675	12376	-50.9	-29.1	-62.7	-56.7	140	4.2	8.9
175	13342	13557	13211	-57.9	-37.3	-71.1		133	5.4	10.0
150	14300	14544	14156	-65.2	-44.1	-75.5		123	7.1	11.3
125	15383	15672	15227	-72.7	-51.3	-87.3		108	8.2	11.1
100	16660	16987	16459	-78.4	-60.7	-89.7		094	8.5	10.4
80	17931	18180	17712	-76.5	-65.3	-86.7		092	7.0	8.6
70	18709	18946	18458	-72.1	-59.1	-87.0		097	5.7	7.9
60	19657	20094	19387	-67.2	-54.1	-88.0		083	5.2	7.5
50	20766	21177	20477	-62.1	-50.3	-76.9		093	6.9	10.2
40	22193	22529	21932	-56.7	-43.5	-66.5		088	9.5	12.6
30	24029	24353	23770	-50.6	-38.5	-61.3				
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
555	4970	5750	3240				100	16660	-79.7

NORMALS OF RADIOSONDE DATA

MONTH : JUNE TIME : 1730 IST STATION : AMINI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1006	1007	1005	29.2	34.4	24.8	25.5	267	6.9	7.6
1000	52	69	31	28.8	33.2	23.8	25.4	269	7.8	8.4
950	498	522	460	25.0	32.4	17.2	21.3	274	9.7	10.4
925	735	756	702	23.3	30.4	16.8	19.1	276	9.6	10.5
900	979	996	961	22.0	29.2	14.8	17.9	277	11.0	11.8
850	1473	1493	1456	19.2	27.8	10.8	14.2	280	11.2	12.0
800	1993	2015	1974	16.4	27.0	9.2	10.4	279	10.4	11.4
750	2537	2566	2493	13.6	25.6	5.6	5.9	280	9.1	10.6
700	3117	3152	3087	10.4	20.0	2.0	1.4	280	7.9	9.9
650	3728	3770	3681	6.9	15.8	-0.7	-2.5	279	7.0	9.6
600	4384	4440	4339	3.3	12.2	-3.1	-5.8	274	6.4	9.2
550	5087	5162	5009	-0.3	8.4	-7.1	-9.0	270	5.6	8.7
500	5844	5926	5784	-4.1	4.2	-10.7	-12.9	262	5.0	7.9
450	6670	6766	6606	-8.4	1.0	-18.3	-16.9	260	3.3	6.7
400	7576	7704	7493	-13.7	-3.7	-21.0	-21.9	257	1.1	6.4
350	8579	8725	8502	-20.1	-9.7	-27.9	-28.1	105	2.1	6.5
300	9709	9884	9594	-28.0	-17.7	-35.5	-35.7	092	5.7	8.2
250	10992	11182	10856	-37.9	-25.1	-47.0	-45.1	087	9.4	11.4
200	12487	12672	12324	-50.4	-36.5	-60.9	-57.4	086	14.4	16.2
175	13342	13550	13162	-57.7	-42.5	-71.1		086	17.0	18.7
150	14292	14525	14093	-65.5	-48.9	-81.9		089	22.0	23.3
125	15366	15756	15152	-73.5	-56.7	-86.7		089	25.6	27.0
100	16642	16920	16415	-78.5	-65.3	-88.5		092	24.7	25.6
80	17906	18239	17652	-75.3	-62.1	-88.7		084	19.0	20.6
70	18684	19049	18461	-72.0	-59.3	-87.0		087	16.9	18.3
60	19610	20001	19338	-68.0	-55.7	-82.0				
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FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
555	5020	5980	4400				104	16470	-79.6

NORMALS OF RADIOSONDE DATA

MONTH : JULY TIME : 1730 IST STATION : AMINI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1006	1008	1005	28.5	31.8	24.0	25.2	271	6.9	7.4
1000	60	71	40	28.1	30.8	24.2	25.0	275	7.8	8.4
950	503	520	467	24.3	30.2	18.4	20.9	278	10.9	11.4
925	741	753	729	22.4	28.4	16.8	18.4	276	13.7	14.4
900	984	996	968	21.1	28.8	15.0	17.3	282	12.8	13.4
850	1478	1494	1463	18.3	25.2	12.0	13.7	285	13.4	14.0
800	1996	2017	1971	15.5	22.4	8.8	10.1	285	12.2	12.8
750	2537	2554	2493	12.7	20.0	6.2	5.8	285	10.8	11.4
700	3118	3145	3084	9.7	18.4	-1.9	1.1	285	9.3	10.1
650	3728	3768	3678	6.4	14.6	-4.3	-3.0	286	7.8	8.8
600	4385	4424	4345	2.8	10.8	-5.1	-6.2	285	6.3	7.6
550	5086	5152	5005	-0.9	6.2	-6.3	-9.5	285	4.8	6.6
500	5841	5891	5777	-4.8	3.0	-10.5	-13.3	281	3.0	5.9
450	6662	6729	6575	-9.3	0.2	-16.3	-18.0	276	0.9	5.8
400	7567	7639	7475	-14.8	-4.7	-22.0	-22.9	104	2.0	6.4
350	8565	8653	8459	-21.4	-10.1	-30.5	-29.0	100	5.3	7.5
300	9687	9788	9572	-29.3	-16.7	-37.5	-36.7	093	8.9	10.1
250	10963	11074	10826	-39.3	-28.1	-49.5	-46.0	092	13.4	14.7
200	12452	12587	12308	-51.3	-41.3	-62.9	-58.0	089	21.5	22.3
175	13296	13451	13146	-58.5	-50.5	-68.7		089	26.2	27.1
150	14250	14467	14077	-65.9	-56.5	-80.1		089	32.7	33.8
125	15314	15622	15145	-73.7	-64.1	-85.9		089	38.3	39.3
100	16565	16914	16407	-76.5	-62.5	-87.7		090	32.0	32.9
80	17837	18255	17550	-71.4	-61.9	-83.0		088	21.2	22.2
70	18630	19055	18352	-68.9	-59.1	-79.0		091	20.1	20.6
60	19572	19734	19369	-65.9	-58.5	-76.5		082	18.6	19.6
50	20672	20790	20471	-63.0	-54.9	-72.1		088	17.6	18.8
40	22052	22148	21843	-58.9	-49.9	-68.1				
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FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
560	4940	5490	4160				110	16080	-77.8

NORMALS OF RADIOSONDE DATA

MONTH : AUGUST TIME : 1730 IST STATION : AMINI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1007	1009	1006	28.5	30.8	24.8	23.9	279	6.3	6.8
1000	65	78	51	27.9	30.2	21.4	24.7	282	7.4	7.9
950	511	531	467	24.1	31.0	18.4	20.3	287	9.7	10.3
925	749	762	711	22.0	29.2	17.0	17.6	281	11.1	11.6
900	990	1003	967	20.9	28.8	13.4	16.6	290	11.3	11.8
850	1483	1496	1456	18.2	26.8	10.6	13.3	292	11.7	12.1
800	2001	2015	1972	15.5	24.0	8.2	9.5	292	10.8	11.3
750	2544	2562	2494	12.8	22.4	5.4	5.4	289	9.7	10.1
700	3124	3144	3087	9.8	20.2	1.6	1.0	288	8.5	9.0
650	3735	3764	3667	6.6	16.0	-2.7	-3.0	286	7.2	7.9
600	4390	4420	4340	3.2	10.8	-4.5	-6.4	284	5.6	6.8
550	5093	5144	5048	-0.4	8.2	-7.5	-10.4	283	4.3	6.4
500	5849	5890	5803	-4.4	4.6	-11.3	-14.3	283	2.8	5.6
450	6672	6731	6611	-9.0	1.2	-16.9	-18.7	308	1.1	5.3
400	7578	7647	7527	-14.4	-4.1	-23.1	-23.7	099	1.7	5.5
350	8577	8659	8517	-21.0	-11.1	-30.3	-30.1	099	5.1	7.0
300	9701	9805	9630	-29.0	-15.3	-38.3	-37.6	095	8.9	10.0
250	10980	11117	10904	-39.1	-29.9	-49.1	-46.9	095	13.7	14.9
200	12470	12602	12386	-51.4	-40.1	-61.1	-58.5	094	21.1	22.1
175	13323	13508	13212	-58.4	-49.5	-66.9		092	25.8	26.8
150	14272	14485	14168	-66.0	-54.9	-77.1		093	29.4	30.5
125	15330	15636	15197	-73.9	-61.3	-87.5		092	32.7	33.8
100	16610	17230	16389	-75.5	-61.5	-89.1		091	25.4	26.4
80	17911	18097	17553	-69.4	-59.3	-85.5		089	19.7	20.1
70	18705	18876	18599	-66.4	-52.1	-85.5		084	17.5	18.3
60	19645	19844	19524	-63.5	-49.7	-77.1		088	16.6	17.4
50	20787	21068	20646	-59.2	-46.5	-68.9		084	15.8	17.0
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FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
556	5010	5670	4550				112	16050	-78.4

NORMALS OF RADIOSONDE DATA

MONTH : SEPTEMBER TIME : 1730 IST STATION : AMINI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1007	1009	1005	28.8	32.6	23.0	25.0	298	4.5	5.1
1000	66	80	49	28.3	31.6	23.8	24.3	300	5.4	6.0
950	513	532	488	24.3	32.2	18.4	20.2	303	6.6	7.3
925	748	764	733	22.4	30.2	16.8	17.7	297	7.2	8.0
900	991	1004	970	21.3	30.4	14.4	16.8	303	7.0	7.8
850	1485	1497	1464	18.5	28.0	12.2	13.1	301	6.8	7.6
800	2004	2017	1983	15.9	23.6	9.4	9.6	297	6.1	7.0
750	2547	2561	2520	13.2	21.0	6.6	5.4	294	5.2	6.4
700	3128	3147	3111	10.3	18.4	3.8	1.2	290	4.5	6.2
650	3739	3761	3718	7.2	17.8	0.8	-3.0	285	4.2	6.1
600	4396	4423	4378	3.8	12.4	-2.7	-6.5	285	3.2	5.6
550	5101	5152	5073	0.2	9.2	-7.7	-10.5	288	1.8	4.9
500	5857	5895	5828	-4.0	4.0	-11.1	-14.5	308	0.4	4.6
450	6682	6729	6645	-8.7	-1.1	-15.5	-19.0	080	1.5	4.8
400	7588	7639	7547	-14.3	-5.9	-23.3	-24.5	095	3.4	5.6
350	8586	8650	8538	-21.0	-12.1	-31.7	-31.1	098	5.2	6.7
300	9711	9792	9648	-29.1	-19.5	-40.1	-39.0	099	8.1	9.1
250	10989	11084	10918	-39.3	-29.9	-50.7	-48.3	100	12.4	13.4
200	12477	12609	12395	-51.7	-39.5	-62.9		098	17.6	18.7
175	13327	13493	13227	-58.9	-49.9	-71.9		097	21.5	22.6
150	14266	14449	14172	-66.8	-57.9	-82.9		098	24.0	25.0
125	15333	15638	15061	-74.1	-64.5	-90.1		099	25.8	26.6
100	16616	16808	16498	-76.7	-64.5	-89.9		097	18.8	19.7
80	17890	18165	17782	-72.1	-60.3	-80.1		096	16.5	17.2
70	18674	18940	18561	-69.0	-56.5	-77.9		085	11.0	13.9
60	19573	19858	19472	-65.8	-57.9	-73.5				
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FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
548	5120	5590	4750				113	15920	-78.1

NORMALS OF RADIOSONDE DATA

MONTH : OCTOBER TIME : 1730 IST STATION : AMINI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1007	1010	1006	29.3	33.0	24.0	22.9	301	2.0	3.1
1000	68	91	55	28.8	32.2	24.6	24.1	307	2.6	3.9
950	510	543	461	24.6	31.6	18.2	20.1	314	2.8	4.5
925	746	773	710	22.8	28.4	15.0	17.2	299	2.5	4.7
900	993	1014	976	21.7	31.0	13.2	16.4	319	2.1	4.4
850	1487	1508	1463	19.0	28.4	8.8	12.4	332	1.4	4.5
800	2006	2025	1972	16.1	26.2	8.4	8.5	006	0.9	4.8
750	2547	2567	2507	13.2	23.0	5.8	4.5	007	0.8	5.2
700	3129	3158	3075	10.1	20.6	2.0	0.9	352	0.6	5.1
650	3738	3767	3677	6.9	17.2	-1.3	-3.1	331	0.7	5.1
600	4395	4437	4316	3.4	14.0	-6.7	-6.3	340	0.5	4.8
550	5100	5167	4997	-0.2	10.0	-9.7	-10.3	060	0.6	4.8
500	5854	5907	5737	-4.3	6.2	-14.7	-14.5	085	1.5	4.8
450	6677	6745	6546	-9.0	2.2	-22.9	-19.2	087	2.3	5.0
400	7581	7661	7431	-14.5	-2.1	-21.1	-24.5	091	2.8	5.2
350	8579	8672	8406	-21.2	-9.9	-28.7	-30.6	094	3.4	5.9
300	9703	9810	9497	-29.3	-12.5	-41.3	-38.4	106	4.3	6.7
250	10981	11098	10734	-39.5	-26.3	-49.7	-47.1	109	6.2	8.6
200	12472	12601	12396	-51.9	-36.1	-64.7	-59.6	111	8.7	11.2
175	13322	13479	13234	-58.9	-41.5	-74.5		114	11.3	13.7
150	14273	14425	14162	-66.4	-47.1	-78.3		115	12.7	14.7
125	15342	15580	15154	-73.4	-53.5	-83.9		108	11.4	13.6
100	16612	16955	16427	-78.2	-69.1	-88.7		102	8.4	10.9
80	17892	18307	17709	-74.0	-60.1	-87.1		094	8.4	9.4
70	18694	19150	18494	-70.7	-56.5	-82.1		095	8.2	9.7
60	19632	20135	19370	-66.0	-52.1	-79.3		100	8.1	9.8
50	20764	21235	20535	-60.9	-47.7	-70.7				
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FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
553	5060	5620	3790				108	16230	-79.5

NORMALS OF RADIOSONDE DATA

MONTH : NOVEMBER TIME : 1730 IST STATION : AMINI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1008	1009	1006	29.5	32.4	23.8	23.9	349	1.1	2.5
1000	71	86	59	28.9	32.0	23.6	23.4	353	1.6	3.2
950	511	537	474	24.7	30.8	17.6	19.1	012	1.9	4.0
925	749	766	723	22.8	28.4	17.0	15.7	029	2.1	4.1
900	996	1010	984	21.6	29.8	14.0	15.2	032	1.8	4.2
850	1489	1504	1476	18.7	28.2	11.4	10.8	057	1.8	4.2
800	2008	2028	1993	15.8	24.4	9.0	6.9	064	1.9	4.5
750	2548	2569	2522	13.0	22.0	5.4	3.1	063	1.8	4.8
700	3130	3161	3109	10.1	19.2	2.4	-0.7	069	1.7	5.0
650	3740	3775	3712	7.0	15.8	-0.5	-3.8	074	1.9	5.0
600	4397	4443	4360	3.5	12.0	-5.1	-7.4	076	2.4	5.4
550	5102	5168	5053	-0.2	8.0	-7.3	-10.8	073	3.1	5.6
500	5856	5916	5806	-4.5	4.2	-11.9	-15.3	077	3.8	6.2
450	6678	6746	6618	-9.2	0.4	-18.7	-20.1	076	3.9	6.5
400	7582	7670	7513	-14.8	-4.9	-22.3	-25.3	077	3.8	6.7
350	8576	8682	8500	-21.6	-8.9	-29.1	-31.5	088	3.0	6.7
300	9698	9832	9601	-29.9	-18.9	-37.7	-38.9	116	2.5	6.7
250	10971	11142	10857	-40.1	-27.9	-49.3	-49.1	143	4.3	8.2
200	12456	12673	12325	-52.5	-41.5	-62.3		147	6.5	10.8
175	13309	13549	13186	-59.3	-49.3	-70.1		147	7.3	11.3
150	14256	14521	14108	-66.6	-55.3	-79.1		141	5.7	10.2
125	15334	15613	15170	-73.8	-61.3	-83.7		128	4.4	8.4
100	16613	16968	16449	-79.5	-69.3	-88.7		105	5.7	8.6
80	17876	18315	17709	-76.2	-63.1	-86.5		089	5.7	8.3
70	18633	19010	18489	-72.7	-62.1	-83.7		080	4.3	7.7
60	19564	19926	19406	-67.8	-59.7	-79.7		090	3.2	7.9
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15										
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FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
554	5040	5790	4480				103	16430	-80.2

NORMALS OF RADIOSONDE DATA

MONTH : DECEMBER TIME : 1730 IST STATION : AMINI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1009	1010	1008	29.5	32.4	23.6	21.7	034	1.7	2.5
1000	82	101	74	28.7	32.0	23.4	22.3	033	2.3	3.4
950	526	543	487	24.3	30.2	15.6	18.3	040	2.8	4.0
925	763	767	753	22.2	29.4	13.0	15.1	048	2.6	3.9
900	1007	1033	997	21.1	30.0	11.2	14.1	059	2.3	3.7
850	1500	1534	1488	18.3	28.6	7.4	9.0	075	2.2	4.0
800	2017	2062	2004	15.9	26.2	4.2	4.6	081	2.5	4.4
750	2560	2605	2545	13.4	23.8	2.2	0.5	078	2.7	4.7
700	3141	3204	3122	10.6	20.0	1.4	-3.2	081	3.2	5.1
650	3751	3840	3733	7.3	17.0	-0.1	-6.3	080	3.4	5.4
600	4409	4489	4385	3.7	14.0	-3.9	-9.7	079	3.8	5.9
550	5112	5240	5083	-0.3	10.0	-9.1	-13.4	079	3.8	6.1
500	5866	5972	5833	-4.6	8.4	-15.1	-16.8	078	3.5	6.3
450	6688	6850	6646	-9.6	2.2	-19.9	-21.0	079	3.0	6.7
400	7589	7736	7543	-15.3	-4.1	-24.9	-26.0	071	1.3	7.1
350	8584	8755	8534	-22.2	-11.9	-31.5	-32.0	214	0.6	7.8
300	9702	9911	9645	-30.3	-20.3	-39.7	-40.1	228	3.7	9.1
250	10972	11231	10913	-40.4	-29.7	-56.5		221	6.9	11.3
200	12454	12781	12387	-52.7	-41.3	-75.1		223	8.2	12.8
175	13299	13491	13222	-59.6	-49.5	-74.7		228	8.3	12.9
150	14240	14506	14117	-66.8	-54.1	-82.3		234	7.9	11.8
125	15321	15620	15239	-73.4	-62.1	-86.7		239	5.8	9.9
100	16602	16872	16488	-78.8	-68.3	-89.1		084	0.4	6.5
80	17868	18330	17787	-77.2	-61.1	-87.5		091	3.7	6.9
70	18641	19104	18552	-73.2	-57.1	-80.7		097	2.6	6.1
60	19563	20014	19469	-68.4	-56.1	-76.5		107	2.3	7.1
50	20647	21140	20452	-63.4	-53.1	-78.1				
40	22047	22558	21881	-58.8	-50.5	-71.7				
30										
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20										
15										
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7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
554	5060	6370	4600				099	16660	-80.9

NORMALS OF RADIOSONDE DATA

MONTH : JANUARY TIME : 1730 IST STATION : AURANGABAD

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	947	949	945	28.1	32.8	15.4	9.8	239	0.7	2.1
1000	103	122	91							
950	542	578	512							
925	784	808	752	24.9	32.2	9.8	7.9	283	1.5	3.8
900	1032	1051	1022	22.6	30.6	7.4	5.1	247	1.3	4.0
850	1524	1544	1513	18.0	25.2	3.2	3.8	245	1.5	4.1
800	2038	2061	2025	13.5	21.2	0.2	0.9	248	2.1	4.9
750	2572	2601	2549	9.8	19.0	-4.7	-3.3	260	3.4	6.3
700	3146	3177	3133	7.1	16.0	-5.7	-8.7	266	5.6	8.3
650	3746	3775	3711	4.1	14.2	-9.9	-13.6	269	8.2	10.6
600	4398	4431	4374	0.9	10.2	-12.1	-18.0	270	11.1	13.4
550	5099	5141	5055	-3.0	7.0	-16.3	-21.0	269	14.2	16.3
500	5841	5878	5805	-7.5	2.0	-19.3	-25.2	268	16.6	18.9
450	6654	6717	6595	-12.7	-2.1	-23.9	-27.9	267	20.5	22.9
400	7542	7607	7489	-18.5	-7.9	-31.3		267	24.0	26.5
350	8527	8590	8465	-24.9	-13.9	-34.1		266	28.4	30.9
300	9632	9727	9566	-32.3	-20.3	-41.1		262	32.1	35.5
250	10896	11006	10816	-41.4	-26.9	-52.7		260	32.9	36.5
200	12374	12498	12275	-52.6	-35.1	-64.7		257	34.7	37.8
175	13225	13371	13117	-58.9	-41.1	-77.1		253	32.8	36.0
150	14176	14346	14027	-65.1	-45.9	-83.5		252	31.7	34.9
125	15277	15476	15077	-70.4	-53.9	-86.9		256	25.2	30.2
100	16598	16841	16345	-74.3	-59.1	-89.9		257	18.0	24.5
80	17917	18154	17687	-73.3	-56.3	-88.1		252	10.2	20.7
70	18730	18964	18482	-70.2	-49.1	-85.5		248	10.3	22.2
60	19652	19884	19338	-65.4	-45.7	-80.7				
50	20770	21048	20378	-60.9	-43.5	-75.7				
40	22178	22453	21705	-56.4	-41.9	-74.7				
30	24001	24319	23670	-52.8	-37.7	-69.7				
25	25168	25493	24749	-51.4	-37.3	-68.5				
20	26586	26985	26097	-50.1	-35.7	-67.1				
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
591	4530	5230	4040				101	16640	-75.2

NORMALS OF RADIOSONDE DATA

MONTH : FEBRUARY TIME : 1730 IST STATION : AURANGABAD

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	946	947	944	30.6	35.6	17.6	8.7	271	1.8	3.1
1000	87	103	74							
950	529	552	504							
925	776	787	764	27.3	34.8	19.8	6.6	282	3.0	4.5
900	1024	1037	1009	24.9	34.0	15.4	2.2	272	2.9	4.7
850	1520	1532	1503	20.1	30.8	10.8	1.2	266	3.0	4.8
800	2037	2051	2019	15.4	23.8	6.8	-0.5	263	3.3	5.3
750	2568	2595	2549	11.0	22.0	2.6	-3.0	262	4.4	6.6
700	3148	3171	3129	7.1	15.6	-1.3	-6.8	264	6.1	8.6
650	3746	3785	3718	3.8	13.6	-5.1	-11.8	269	8.5	11.0
600	4398	4434	4380	0.6	9.6	-9.3	-16.5	271	11.3	13.6
550	5097	5155	5068	-3.3	6.8	-14.7	-20.1	271	14.4	16.6
500	5839	5890	5808	-7.9	3.4	-20.1	-24.7	272	17.9	19.9
450	6653	6727	6608	-13.1	-4.1	-24.1	-28.5	272	21.5	23.8
400	7537	7610	7484	-19.0	-7.7	-32.7	-33.0	271	25.1	27.8
350	8520	8597	8452	-25.2	-12.7	-36.1		269	29.6	32.8
300	9623	9723	9527	-32.6	-18.7	-45.3		269	33.5	36.9
250	10888	11007	10752	-41.5	-25.5	-57.3		267	34.0	38.5
200	12367	12510	12201	-52.3	-39.9	-66.9		264	35.2	40.0
175	13220	13384	13053	-58.2	-46.3	-73.5		263	34.5	39.6
150	14174	14350	13984	-64.4	-52.1	-83.5		265	33.0	38.4
125	15284	15491	15091	-70.2	-57.7	-90.7		268	27.2	32.9
100	16602	16842	16390	-74.2	-58.9	-89.5		269	17.7	25.6
80	17898	18188	17639	-73.1	-56.7	-89.3				
70	18692	19035	18235	-69.5	-52.1	-85.7				
60	19625	19970	19083	-64.7	-46.3	-83.7				
50	20782	21125	20134	-58.9	-39.7	-72.1				
40	22204	22569	21490	-54.5	-42.1	-67.7				
30	24069	24455	23594	-51.0	-34.9	-62.1				
25	25246	25669	24736	-49.0	-38.3	-60.9				
20	26723	27204	26135	-46.2	-36.5	-59.5				
15	28653	29165	27959	-43.7	-33.5	-55.7				
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
594	4490	5080	4010				105	16420	-74.8

NORMALS OF RADIOSONDE DATA

MONTH : MARCH TIME : 1730 IST STATION : AURANGABAD

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	944	945	942	34.5	39.4	16.6	10.0	277	2.2	3.5
1000	63	79	41							
950	513	535	475							
925	759	773	695	31.9	37.4	23.2	7.3	289	3.2	4.6
900	1011	1023	975	28.7	36.8	16.0	2.3	278	3.5	5.2
850	1513	1526	1478	24.1	31.8	14.8	1.0	274	3.6	5.2
800	2038	2050	2005	19.3	27.6	9.6	0.1	269	3.7	5.3
750	2575	2602	2541	14.3	23.0	4.0	-1.6	262	4.1	5.8
700	3162	3183	3133	9.3	19.4	-1.7	-3.8	259	4.8	6.9
650	3762	3796	3714	4.7	14.6	-5.9	-7.5	262	6.2	8.4
600	4418	4449	4380	0.8	11.0	-10.9	-13.4	266	8.2	10.3
550	5117	5163	5064	-3.1	8.4	-13.7	-18.7	270	10.8	12.9
500	5859	5908	5806	-7.5	5.4	-18.9	-24.2	273	13.8	15.9
450	6675	6753	6590	-12.6	-0.5	-22.9	-28.6	273	16.6	18.8
400	7561	7641	7490	-18.5	-5.9	-30.3	-33.4	272	19.9	22.4
350	8547	8646	8462	-25.0	-12.9	-36.5	-38.8	272	23.5	26.2
300	9649	9782	9547	-32.4	-19.5	-46.1		270	27.6	31.3
250	10910	11083	10779	-41.2	-27.9	-55.7		268	31.2	34.9
200	12391	12597	12225	-51.6	-39.7	-69.5		265	33.2	37.4
175	13251	13451	13062	-57.4	-44.9	-77.1		262	32.4	36.7
150	14208	14443	14007	-63.4	-49.5	-85.3		261	29.6	33.7
125	15321	15562	15094	-68.8	-51.5	-91.9		262	27.6	31.1
100	16654	16914	16344	-73.0	-57.5	-89.7		262	19.7	24.6
80	17981	18279	17665	-72.4	-56.3	-89.9		283	10.0	18.0
70	18782	19094	18436	-69.4	-52.1	-85.5				
60	19724	20114	19327	-64.8	-47.7	-82.7				
50	20854	21279	20429	-58.6	-41.5	-76.7				
40	22305	22767	21798	-54.0	-38.1	-74.1				
30	24148	24698	23569	-49.7	-34.9	-62.1				
25	25339	25912	24719	-47.3	-33.5	-61.3				
20	26842	27514	26152	-45.1	-31.9	-60.3				
15	28692	29388	27988	-43.5	-32.3	-55.3				
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
589	4580	5150	4090				100	16700	-74.2

NORMALS OF RADIOSONDE DATA

MONTH : APRIL TIME : 1730 IST STATION : AURANGABAD

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	942	943	940	37.3	41.6	23.8	11.7	292	2.5	3.6
1000	38	55	21							
950	493	519	478							
925	744	760	732	34.8	40.2	23.0	9.7	301	4.2	5.5
900	995	1010	983	32.1	40.2	21.8	3.4	297	4.0	5.6
850	1503	1516	1490	27.4	38.2	17.2	2.0	295	3.8	5.4
800	2033	2047	2020	22.5	33.2	12.4	1.1	292	3.7	5.3
750	2575	2603	2549	17.4	28.2	7.8	0.0	288	3.4	5.2
700	3170	3185	3153	12.0	26.0	3.6	-2.0	280	3.2	5.5
650	3773	3800	3743	6.7	22.4	-1.5	-4.9	268	3.3	6.0
600	4435	4464	4412	1.8	17.6	-5.9	-8.8	266	3.6	6.4
550	5136	5175	5105	-2.3	12.6	-9.7	-14.8	270	4.9	7.8
500	5880	5930	5846	-6.7	8.6	-14.9	-20.3	274	6.8	9.8
450	6700	6769	6654	-11.7	4.0	-21.9	-25.4	273	9.6	12.6
400	7588	7663	7534	-17.8	-3.3	-28.3	-30.9	271	12.8	15.9
350	8576	8662	8512	-24.5	-11.5	-34.1	-35.3	267	16.6	19.7
300	9682	9802	9611	-32.0	-20.9	-44.1	-42.3	265	20.7	24.4
250	10946	11079	10859	-40.8	-29.5	-54.5		261	24.2	28.3
200	12432	12598	12299	-51.1	-38.3	-63.7		261	27.5	31.4
175	13293	13480	13057	-56.3	-44.1	-69.3		261	26.4	30.4
150	14261	14467	14015	-62.2	-47.5	-75.9		260	23.6	27.5
125	15376	15597	15096	-67.8	-53.9	-84.7		260	20.7	24.3
100	16703	16941	16392	-72.8	-60.1	-86.1		255	10.5	17.4
80	18040	18335	17652	-72.0	-56.3	-85.3		020	1.2	12.6
70	18831	19168	18431	-68.4	-49.9	-84.1		083	6.1	13.9
60	19779	20133	19357	-63.4	-43.7	-77.5		084	5.5	11.4
50	20924	21233	20494	-57.3	-41.7	-70.1		097	5.5	11.4
40	22351	22856	21931	-52.4	-41.1	-64.9				
30	24240	24766	23826	-47.1	-35.9	-58.5				
25	25466	25976	25010	-43.8	-31.5	-56.9				
20	26959	27535	26235	-42.0	-32.7	-52.5				
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
577	4760	5490	4210				099	16850	-74.2

NORMALS OF RADIOSONDE DATA

MONTH : MAY TIME : 1730 IST STATION : AURANGABAD

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	939	942	938	37.6	42.8	22.2	14.3	300	3.0	4.4
1000	17	50	1							
950	473	499	445							
925	724	740	700	35.7	41.2	24.2	12.0	304	5.2	6.5
900	977	1001	959	32.6	43.2	21.6	7.5	305	5.3	7.1
850	1486	1504	1464	27.9	39.2	18.0	6.1	305	5.4	7.1
800	2017	2035	1991	23.1	34.2	14.8	5.0	306	5.1	6.8
750	2563	2587	2533	18.2	28.8	9.4	3.5	308	4.6	6.4
700	3158	3176	3122	13.0	24.4	1.6	1.3	309	3.8	5.9
650	3763	3797	3717	7.9	22.8	-1.1	-2.3	303	2.8	5.8
600	4427	4457	4386	2.9	13.0	-6.5	-6.5	298	2.0	5.8
550	5131	5180	5085	-1.3	8.8	-10.5	-12.1	307	2.1	6.5
500	5878	5918	5832	-5.3	4.0	-15.3	-16.9	312	3.1	8.0
450	6702	6771	6638	-9.9	0.0	-20.7	-21.1	302	4.4	9.6
400	7598	7657	7543	-15.3	-3.7	-27.1	-27.2	288	5.8	11.0
350	8594	8699	8533	-21.8	-10.5	-34.3	-33.1	274	7.9	12.8
300	9713	9827	9648	-29.4	-16.1	-43.3	-40.0	265	10.2	15.1
250	10989	11147	10900	-38.7	-24.3	-56.7		251	11.7	16.4
200	12483	12685	12369	-50.0	-36.3	-68.9		241	12.7	17.8
175	13350	13573	13229	-56.0	-43.1	-75.3		235	11.7	17.5
150	14321	14566	14154	-62.8	-48.1	-81.9		229	9.1	16.2
125	15432	15705	15275	-69.4	-53.7	-83.9		213	5.7	14.7
100	16751	17067	16495	-74.0	-58.5	-86.7		131	4.3	13.1
80	18065	18402	17777	-72.9	-52.1	-86.9		092	8.7	11.9
70	18864	19266	18545	-69.4	-46.9	-81.7		092	10.7	11.9
60	19797	20205	19409	-63.7	-45.9	-76.9		094	9.8	10.8
50	20932	21319	20551	-57.3	-39.1	-73.1		085	9.2	10.8
40	22366	22794	21999	-52.0	-42.3	-69.1		090	8.8	10.4
30	24295	24870	23935	-46.3	-36.5	-66.7				
25	25543	26150	25040	-43.8	-33.3	-66.3				
20	26987	27421	26135	-41.7	-32.3	-65.5				
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
564	4940	5540	4250				099	16870	-75.5

NORMALS OF RADIOSONDE DATA

MONTH : JUNE TIME : 1730 IST STATION : AURANGABAD

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	937	939	936	32.3	42.0	17.0	19.8	273	4.0	5.2
1000	7	20	0							
950	451	478	413							
925	699	722	665	31.0	40.2	20.6	19.0	280	5.8	7.2
900	949	967	934	28.5	39.8	15.0	16.2	278	6.4	8.4
850	1452	1477	1434	24.4	38.8	13.2	14.2	278	6.5	8.7
800	1979	2010	1957	20.4	31.8	11.0	12.2	283	6.1	8.4
750	2525	2572	2482	16.4	27.2	7.8	9.5	286	5.0	7.9
700	3114	3153	3086	12.5	23.0	3.8	5.7	289	3.3	7.2
650	3725	3773	3697	8.6	19.2	1.4	1.3	298	1.9	6.7
600	4387	4434	4354	4.8	14.0	-2.5	-3.1	308	1.5	6.4
550	5103	5148	5056	1.0	8.6	-6.7	-6.9	314	1.1	6.4
500	5852	5909	5810	-2.5	7.6	-12.1	-11.2	309	1.2	6.3
450	6688	6755	6636	-6.3	3.8	-14.7	-15.5	342	0.6	6.3
400	7594	7667	7538	-11.4	-2.1	-19.9	-21.1	041	1.0	6.5
350	8607	8678	8533	-17.5	-6.3	-27.9	-27.4	074	2.5	7.1
300	9745	9836	9651	-25.2	-10.1	-38.1	-34.6	079	4.1	8.2
250	11043	11138	10929	-35.0	-24.3	-46.5	-43.8	085	7.0	10.5
200	12556	12688	12418	-47.2	-36.1	-60.1		089	11.5	14.5
175	13428	13583	13101	-54.3	-40.3	-66.7		092	14.3	17.1
150	14399	14581	14030	-62.0	-48.5	-74.1		094	17.5	20.6
125	15511	15716	15088	-69.7	-56.1	-87.7		091	19.9	21.8
100	16824	17073	16624	-75.6	-61.3	-89.9		087	22.6	23.8
80	18125	18410	17633	-73.5	-57.7	-89.7		084	23.0	24.0
70	18915	19250	18377	-69.3	-53.5	-89.1		085	19.9	21.0
60	19847	20214	19442	-62.5	-48.3	-82.5		090	17.5	18.8
50	20990	21455	20533	-56.4	-40.3	-72.1		085	17.4	18.1
40	22456	22928	22226	-51.3	-39.7	-65.1				
30	24330	24921	23851	-45.7	-30.3	-58.7				
25	25555	26182	25086	-43.0	-32.3	-55.5				
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
535	5330	5920	4900				099	16890	-77.1

NORMALS OF RADIOSONDE DATA

MONTH : JULY TIME : 1730 IST STATION : AURANGABAD

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	937	939	936	28.2	35.0	21.4	20.5	269	4.9	5.5
1000	15	31	5							
950	455	481	422							
925	692	706	664	27.1	34.0	21.2	20.5	273	7.8	8.6
900	947	966	934	24.9	34.2	12.4	18.7	269	9.2	10.2
850	1445	1462	1430	21.3	29.4	14.2	16.4	267	10.5	11.4
800	1967	1982	1949	17.8	28.2	10.0	14.1	267	10.6	11.7
750	2514	2528	2496	14.6	24.2	7.4	11.2	268	9.8	11.2
700	3096	3111	3074	11.6	20.2	5.0	7.3	270	8.3	10.1
650	3713	3739	3692	8.7	18.8	1.0	3.1	267	6.5	9.5
600	4372	4400	4350	5.4	14.0	-1.9	-0.7	273	4.6	7.8
550	5092	5130	5070	1.7	9.2	-5.1	-4.5	281	3.3	7.5
500	5841	5879	5815	-2.1	5.4	-9.1	-8.8	293	1.4	7.1
450	6680	6729	6649	-6.2	2.0	-13.7	-13.6	055	0.7	7.0
400	7586	7633	7549	-11.1	-0.9	-20.7	-19.3	079	3.1	7.4
350	8600	8653	8550	-17.3	-8.9	-26.1	-26.3	075	6.6	9.3
300	9740	9813	9669	-25.0	-15.7	-34.7	-34.2	078	10.4	12.5
250	11040	11137	10943	-34.7	-23.1	-46.1	-43.0	083	15.3	17.0
200	12557	12669	12424	-47.1	-32.9	-60.3	-53.6	085	21.8	23.1
175	13429	13554	13286	-54.5	-41.9	-77.1		082	25.5	27.1
150	14402	14559	14267	-62.3	-49.9	-77.5		081	30.8	32.3
125	15518	15681	15364	-69.5	-59.9	-82.1		081	37.0	38.6
100	16829	17088	16648	-74.4	-61.9	-87.7		082	39.6	41.0
80	18153	18402	17859	-71.0	-53.9	-87.7		083	35.8	36.7
70	18956	19271	18614	-67.0	-46.7	-80.9		083	33.2	34.1
60	19901	20311	19572	-62.0	-47.3	-77.3		085	28.4	29.1
50	21035	21515	20697	-56.7	-41.1	-72.9				
40	22450	23088	22097	-53.0	-39.5	-67.1				
30	24340	25160	24011	-48.8	-35.1	-58.5				
25	25601	26390	25229	-45.9	-32.7	-56.1				
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
527	5430	5960	4960				105	16620	-74.8

NORMALS OF RADIOSONDE DATA

MONTH : AUGUST TIME : 1730 IST STATION : AURANGABAD

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	939	940	937	27.4	33.6	21.2	21.3	277	4.4	4.9
1000	28	41	17							
950	464	488	441							
925	707	722	679	26.4	32.2	18.6	20.3	282	7.9	8.5
900	958	970	945	24.3	32.2	15.6	18.4	280	8.6	9.3
850	1455	1470	1441	20.6	28.4	11.4	16.0	276	9.7	10.4
800	1975	1992	1961	17.3	26.0	8.0	13.8	275	9.6	10.5
750	2520	2538	2496	14.1	22.8	5.2	10.7	276	8.9	10.0
700	3102	3127	3084	11.1	19.8	3.6	6.9	278	7.6	9.1
650	3716	3744	3684	8.3	17.6	0.2	2.6	281	6.3	8.4
600	4374	4406	4353	5.1	14.8	-2.3	-1.3	287	4.8	7.7
550	5093	5145	5062	1.6	12.0	-6.9	-5.2	301	3.2	6.9
500	5842	5883	5814	-2.1	7.8	-13.5	-9.8	318	1.9	6.7
450	6679	6727	6643	-6.2	5.2	-16.9	-14.4	038	2.0	6.4
400	7587	7639	7550	-11.3	-0.9	-21.5	-19.9	066	4.3	7.1
350	8597	8644	8535	-17.4	-6.7	-28.7	-26.4	075	6.4	8.2
300	9739	9805	9667	-25.1	-12.3	-37.7	-34.0	080	9.7	11.0
250	11037	11105	10932	-34.9	-20.7	-48.3	-43.7	081	14.5	15.5
200	12552	12643	12403	-47.2	-37.1	-62.7	-55.7	083	20.4	21.7
175	13423	13520	13261	-54.4	-40.7	-70.1		084	23.5	24.6
150	14399	14507	14215	-62.2	-49.7	-78.9		082	27.3	28.7
125	15513	15667	15258	-69.7	-56.1	-87.1		081	31.6	33.1
100	16825	16971	16614	-74.4	-60.1	-89.5		081	34.3	35.5
80	18119	18497	17913	-71.2	-52.7	-86.1		083	32.7	33.3
70	18929	19315	18687	-66.4	-51.1	-78.3				
60	19886	20215	19701	-61.1	-48.5	-72.9				
50	21016	21358	20895	-56.2	-43.7	-65.3				
40	22457	22782	22320	-52.7	-43.3	-61.9				
30	24339	24626	24031	-48.3	-37.5	-58.3				
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
528	5410	5910	4980				105	16550	-75.6

NORMALS OF RADIOSONDE DATA

MONTH : SEPTEMBER TIME : 1730 IST STATION : AURANGABAD

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	941	942	938	28.6	36.2	21.0	20.3	305	2.2	3.3
1000	46	59	23							
950	485	513	457							
925	726	748	693	27.1	33.6	19.4	19.5	303	5.2	6.7
900	979	995	953	25.3	33.4	16.8	17.0	310	4.8	6.6
850	1477	1496	1451	21.5	30.2	13.2	14.6	307	4.4	6.7
800	1998	2020	1974	17.8	29.0	9.8	12.2	303	3.8	6.6
750	2539	2569	2517	14.1	21.4	5.6	9.1	299	3.1	6.2
700	3124	3149	3104	10.8	18.6	4.2	4.8	296	2.5	5.9
650	3734	3762	3696	7.5	15.2	-1.1	0.7	293	2.3	5.7
600	4394	4419	4366	4.4	12.6	-3.9	-3.3	287	2.1	5.4
550	5110	5149	5079	1.2	8.2	-6.5	-7.4	288	1.5	5.2
500	5859	5892	5820	-2.4	5.8	-12.9	-11.4	306	1.0	5.2
450	6695	6754	6642	-6.8	2.0	-14.7	-16.0	047	1.0	5.4
400	7600	7649	7548	-11.9	-1.9	-18.9	-22.0	074	2.2	5.8
350	8609	8671	8552	-18.3	-5.5	-26.7	-28.3	083	3.7	6.9
300	9746	9822	9678	-26.1	-12.3	-34.9	-35.6	085	5.5	8.0
250	11038	11121	10952	-36.1	-18.5	-45.3	-43.9	092	8.1	10.5
200	12546	12627	12436	-48.4	-38.7	-58.7	-57.3	098	12.1	14.5
175	13415	13506	13344	-55.4	-42.1	-65.5		099	14.9	17.0
150	14380	14467	14303	-63.1	-51.3	-73.9		097	17.0	18.7
125	15486	15595	15388	-70.3	-55.3	-85.3		097	20.0	21.8
100	16795	16924	16659	-74.8	-63.9	-87.7		090	20.3	21.8
80	18089	18243	17974	-71.2	-55.1	-88.9		090	20.5	21.5
70	18888	19060	18766	-66.2	-52.7	-81.1		092	18.8	20.3
60	19821	19943	19699	-61.4	-47.1	-76.9		095	17.2	18.4
50	20955	21242	20803	-57.2	-45.1	-67.1				
40	22363	22875	21890	-54.6	-43.5	-71.1				
30	24196	24551	23659	-51.6	-42.9	-71.9				
25	25365	25764	25161	-49.4	-37.3	-69.7				
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
535	5330	5830	4910				106	16490	-75.6

NORMALS OF RADIOSONDE DATA

MONTH : OCTOBER TIME : 1730 IST STATION : AURANGABAD

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	944	947	942	29.9	36.2	20.2	15.2	024	1.5	2.7
1000	71	96	56							
950	512	551	489							
925	755	788	744	27.6	33.4	20.8	15.0	359	2.8	5.1
900	1007	1034	994	26.0	33.2	17.4	10.4	016	3.4	5.7
850	1506	1532	1491	21.7	31.2	14.2	8.6	029	3.3	5.6
800	2026	2052	2011	17.3	28.0	10.2	6.6	034	3.0	5.6
750	2563	2596	2536	12.9	22.8	6.2	3.8	034	2.6	5.5
700	3146	3170	3127	8.9	18.8	1.4	0.2	023	2.0	5.6
650	3751	3781	3726	5.8	16.4	-3.3	-4.0	357	1.6	5.8
600	4406	4435	4389	3.1	12.8	-8.1	-7.7	349	1.5	5.9
550	5118	5166	5091	-0.1	11.6	-10.9	-11.2	332	1.5	6.2
500	5864	5914	5844	-4.0	5.6	-14.5	-15.3	314	2.0	6.9
450	6693	6769	6649	-8.7	2.4	-21.1	-19.6	296	2.6	7.6
400	7591	7674	7557	-14.5	-1.9	-26.9	-25.3	282	3.6	8.4
350	8592	8690	8538	-21.2	-6.7	-34.1	-32.3	265	4.7	9.0
300	9711	9842	9634	-29.0	-11.9	-41.9	-38.1	252	6.3	10.0
250	10987	11139	10882	-39.0	-27.9	-50.5		237	7.9	11.3
200	12478	12667	12343	-51.2	-39.1	-63.7		219	9.4	13.0
175	13334	13541	13186	-58.1	-43.5	-72.1		213	9.0	13.0
150	14297	14542	14145	-65.2	-50.3	-79.7		206	8.3	12.6
125	15384	15660	15222	-72.2	-59.9	-84.7		193	5.9	10.8
100	16680	17009	16497	-76.5	-65.5	-87.9		133	4.4	9.4
80	17984	18334	17769	-72.5	-62.3	-87.7		094	6.3	8.7
70	18779	19147	18543	-68.1	-56.1	-85.1		092	7.3	9.3
60	19715	20103	19421	-63.3	-50.3	-78.3		091	7.6	8.6
50	20843	21258	20523	-59.1	-46.9	-69.7		087	8.4	9.4
40	22274	22695	21895	-55.0	-43.9	-67.3		089	9.2	10.0
30	24120	24643	23617	-51.3	-38.5	-64.1				
25	25278	25945	24762	-49.3	-33.7	-60.7				
20	26750	27291	26250	-46.9	-34.9	-57.7				
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
557	5030	6000	4330				105	16440	-77.3

NORMALS OF RADIOSONDE DATA

MONTH : NOVEMBER TIME : 1730 IST STATION : AURANGABAD

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	946	947	945	28.6	33.0	21.0	13.1	065	1.1	2.1
1000	97	112	81							
950	533	561	508							
925	776	796	754	26.1	31.2	15.8	12.0	040	1.7	4.2
900	1028	1039	1016	23.9	32.8	13.8	7.6	050	2.2	4.1
850	1522	1536	1509	19.4	32.8	12.2	5.8	057	2.4	4.2
800	2038	2054	2022	15.0	29.2	7.4	3.9	053	2.3	4.3
750	2573	2591	2541	11.1	23.6	2.8	1.2	040	1.9	4.7
700	3152	3168	3129	8.4	19.2	-1.1	-2.8	007	1.4	5.3
650	3756	3787	3718	5.8	17.4	-4.9	-6.6	327	1.4	6.0
600	4411	4441	4382	2.8	15.6	-10.1	-10.3	301	2.3	7.0
550	5118	5166	5083	-0.9	10.6	-14.7	-14.7	293	3.8	8.3
500	5864	5912	5828	-5.4	9.4	-17.9	-16.3	290	5.6	9.8
450	6686	6746	6653	-10.6	3.6	-21.5	-22.1	282	7.8	11.7
400	7581	7647	7541	-16.6	-1.7	-26.7	-26.7	277	10.1	13.5
350	8569	8636	8521	-23.4	-9.5	-34.9	-33.0	270	13.0	15.8
300	9680	9777	9627	-31.4	-19.7	-44.3		264	16.0	18.8
250	10947	11067	10870	-41.1	-30.5	-54.5		255	19.4	22.0
200	12429	12570	12326	-52.4	-39.7	-64.1		246	21.7	24.4
175	13273	13428	13152	-59.2	-46.3	-71.5		243	21.4	24.1
150	14234	14415	14103	-65.3	-49.7	-76.1		246	19.2	21.9
125	15327	15520	15214	-71.2	-57.1	-85.9		250	12.7	16.4
100	16632	16854	16463	-75.4	-61.3	-91.3		250	5.9	11.8
80	17923	18161	17747	-74.2	-55.5	-91.3		177	0.8	9.9
70	18714	18994	18504	-70.1	-49.5	-87.1		053	1.4	7.5
60	19638	19915	19397	-65.3	-48.9	-82.5		064	1.5	6.7
50	20756	21033	20443	-60.7	-43.9	-79.1		079	2.5	7.3
40	22195	22464	21684	-56.5	-40.5	-73.1				
30	24052	24392	23313	-52.4	-35.5	-69.1				
25	25202	25523	24428	-51.0	-41.1	-66.7				
20	26649	27012	25802	-49.6	-36.9	-65.5				
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
566	4870	5410	4270				103	16520	-76.3

NORMALS OF RADIOSONDE DATA

MONTH : DECEMBER TIME : 1730 IST STATION : AURANGABAD

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	948	949	946	27.1	39.6	16.8	11.0	112	0.6	1.8
1000	113	147	101							
950	551	570	516	26.8	30.8	17.8	11.2	085	1.6	2.0
925	795	803	778	24.2	30.4	16.8	7.9	058	0.9	3.3
900	1040	1076	1027	21.9	29.0	12.8	5.4	080	1.3	3.5
850	1531	1577	1518	17.4	26.2	8.2	3.5	077	1.2	3.9
800	2044	2105	2031	13.3	23.2	6.2	0.7	052	0.7	4.4
750	2581	2660	2549	10.5	19.8	3.4	-4.4	307	0.6	5.1
700	3155	3225	3136	8.4	16.0	-0.1	-10.2	278	2.1	6.2
650	3761	3825	3720	5.3	17.0	-2.7	-11.6	275	3.7	7.5
600	4412	4485	4384	1.8	12.0	-6.3	-14.7	275	5.6	9.0
550	5114	5200	5080	-2.5	9.2	-9.7	-17.9	274	7.6	10.5
500	5857	5935	5823	-7.3	5.0	-17.5	-21.6	271	9.8	12.5
450	6672	6790	6624	-12.6	-0.3	-22.9	-26.0	269	12.5	15.1
400	7559	7649	7512	-18.8	-6.7	-28.7	-30.3	266	15.9	18.4
350	8540	8600	8478	-25.5	-13.9	-34.9	-36.4	264	20.1	22.5
300	9641	9767	9561	-33.5	-22.1	-45.1		261	23.3	26.2
250	10896	11051	10793	-43.0	-28.7	-52.9		256	26.5	30.4
200	12365	12561	12243	-54.2	-39.1	-67.3		251	28.6	32.5
175	13211	13437	13085	-60.1	-43.9	-72.5		251	28.6	31.9
150	14156	14425	14011	-66.0	-47.9	-80.1		252	26.0	29.2
125	15232	15573	14953	-70.9	-52.1	-90.1		250	24.5	27.0
100	16569	16945	16313	-74.4	-60.7	-88.3		253	14.2	17.9
80	17871	18297	17598	-74.0	-58.1	-86.1		264	5.0	11.6
70	18670	19095	18284	-71.2	-54.9	-85.3		358	1.8	10.6
60	19596	20040	19178	-66.5	-46.3	-77.1		068	4.1	10.9
50	20715	21188	20258	-60.9	-46.3	-73.3				
40	22127	22606	21363	-56.2	-39.9	-66.3				
30	24009	24434	23655	-51.8	-38.9	-64.5				
25	25202	25540	24760	-49.9	-35.9	-62.7				
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
580	4690	5150	4280				104	16460	-75.6

NORMALS OF RADIOSONDE DATA

MONTH : JANUARY TIME : 1730 IST STATION : BANGALURU

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	910	912	908	26.1	31.6	19.2	10.8	085	2.4	2.6
1000	80	103	67							
950	536	560	520							
925	773	797	763							
900	1015	1034	1000	25.3	34.0	18.0	10.2	083	4.0	4.5
850	1512	1530	1494	20.0	28.4	12.0	7.2	087	4.4	5.2
800	2031	2048	2010	15.3	24.8	9.0	4.1	085	4.1	5.1
750	2573	2595	2547	12.0	21.4	6.0	-0.7	079	3.2	5.0
700	3149	3177	3122	9.8	19.6	2.6	-7.4	060	2.3	5.4
650	3760	3793	3731	7.0	16.4	-0.3	-11.4	033	1.8	5.8
600	4414	4455	4381	3.6	12.2	-2.9	-15.4	029	1.8	6.1
550	5114	5166	5080	-0.4	8.0	-8.5	-19.6	011	1.4	6.4
500	5870	5928	5829	-4.8	4.0	-11.3	-23.0	339	1.1	6.9
450	6690	6756	6649	-9.9	-0.5	-17.3	-27.5	299	1.7	7.9
400	7591	7672	7535	-15.6	-5.7	-24.1	-32.8	285	2.9	8.9
350	8585	8679	8516	-22.3	-14.1	-30.3	-39.3	271	4.8	9.9
300	9701	9816	9621	-30.5	-21.3	-37.9	-46.7	255	6.5	10.9
250	10969	11117	10874	-40.6	-30.1	-49.3		239	8.1	12.2
200	12451	12638	12335	-52.6	-40.3	-63.9		229	8.9	13.8
175	13300	13516	13171	-59.3	-45.5	-70.5		223	8.4	13.8
150	14251	14499	14100	-66.5	-52.5	-77.7		222	6.8	13.1
125	15334	15625	15162	-73.1	-58.7	-86.7		216	4.2	11.5
100	16621	16972	16432	-78.1	-63.5	-89.5		179	1.6	9.7
80	17894	18298	17697	-76.1	-63.5	-86.1		126	1.5	7.3
70	18674	19107	18458	-72.8	-60.1	-84.1		168	0.4	6.8
60	19599	20038	19357	-68.3	-55.9	-77.5		210	0.9	7.4
50	20715	21172	20454	-63.7	-49.5	-73.3		144	0.4	9.2
40	22116	22548	21796	-59.7	-48.3	-74.0				
30										
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
555	5040	5610	4680				099	16680	-79.8

NORMALS OF RADIOSONDE DATA

MONTH : FEBRUARY TIME : 1730 IST STATION : BANGALURU

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	909	910	906	29.1	34.0	20.6	10.2	088	1.7	2.2
1000	64	79	49							
950	525	539	511							
925	763	775	749							
900	1008	1022	991	28.2	32.8	20.6	9.7	086	3.2	4.1
850	1510	1523	1489	22.7	31.4	15.2	6.5	091	3.6	4.9
800	2033	2050	2007	17.7	27.4	11.0	4.7	085	3.3	4.7
750	2578	2601	2550	13.0	24.6	6.8	2.3	076	2.6	4.5
700	3155	3181	3123	9.2	20.4	1.8	-3.0	047	1.7	4.7
650	3765	3797	3730	6.3	15.6	-4.9	-10.1	356	1.2	5.6
600	4418	4455	4377	3.2	10.6	-3.7	-15.6	338	1.8	6.3
550	5118	5162	5073	-0.7	8.0	-6.0	-19.0	328	2.2	6.9
500	5873	5924	5825	-5.1	3.4	-12.0	-23.4	308	2.6	7.3
450	6692	6751	6641	-10.1	-1.7	-19.0	-27.9	294	3.3	8.2
400	7591	7662	7535	-15.8	-5.7	-23.0	-33.9	287	4.8	9.4
350	8584	8666	8521	-22.5	-11.9	-31.3	-39.2	278	6.7	11.3
300	9700	9798	9626	-30.7	-20.7	-40.7		265	7.9	12.3
250	10970	11092	10871	-40.6	-29.9	-51.3		249	9.0	13.0
200	12453	12621	12324	-52.4	-41.9	-60.7		242	8.6	13.6
175	13305	13495	13167	-59.0	-48.5	-68.7		240	7.6	13.5
150	14259	14473	14106	-65.9	-55.1	-74.0		234	5.9	13.3
125	15343	15582	15179	-72.4	-61.5	-83.5		222	3.9	11.4
100	16634	16930	16453	-77.6	-66.1	-87.9		197	0.4	9.0
80	17913	18230	17708	-76.1	-59.5	-89.1		064	0.3	7.0
70	18695	19033	18481	-73.0	-55.5	-84.3		247	0.8	6.5
60	19607	19935	19436	-68.4	-53.5	-81.9		260	1.8	7.4
50	20721	21074	20489	-63.5	-50.1	-75.9		252	1.8	8.5
40	22110	22491	21900	-59.4	-46.5	-72.5		136	0.4	7.8
30	23937	24356	23711	-55.3	-41.9	-68.1				
25	25091	25573	24821	-53.5	-38.3	-66.1				
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
560	4980	5470	4550				098	16810	-79.3

NORMALS OF RADIOSONDE DATA

MONTH : MARCH TIME : 1730 IST STATION : BANGALURU

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	908	909	906	31.6	36.0	20.4	9.9	089	2.0	2.4
1000	47	64	22							
950	512	532	491							
925	751	763	731							
900	998	1010	978	30.8	35.4	22.0	9.4	086	3.4	4.2
850	1504	1517	1486	25.3	31.6	18.0	6.3	090	4.4	5.5
800	2032	2046	2012	20.3	28.0	12.0	4.3	085	4.4	5.5
750	2582	2600	2560	15.3	24.4	7.0	2.3	078	4.1	5.3
700	3164	3185	3136	10.4	17.2	2.8	-0.7	066	3.8	5.3
650	3775	3804	3746	6.1	14.2	-1.1	-6.1	057	3.1	5.5
600	4427	4463	4397	3.0	10.4	-4.0	-12.6	045	2.1	5.6
550	5126	5171	5091	-0.6	6.6	-8.0	-18.7	033	1.8	6.1
500	5882	5938	5840	-5.1	2.4	-13.3	-24.1	017	1.9	6.5
450	6702	6766	6656	-10.1	-2.3	-18.3	-28.6	337	2.0	7.4
400	7601	7683	7540	-15.9	-7.9	-23.5	-33.8	298	3.3	8.7
350	8594	8693	8518	-22.6	-13.1	-31.0	-40.3	280	5.4	10.3
300	9709	9829	9622	-30.6	-20.7	-38.3	-47.5	264	7.9	12.1
250	10979	11123	10879	-40.3	-30.9	-48.3		254	9.7	13.7
200	12465	12641	12352	-51.8	-41.9	-60.9		249	9.8	14.3
175	13319	13513	13194	-58.4	-48.9	-68.5		245	8.9	14.1
150	14273	14494	14142	-65.4	-53.7	-76.7		246	7.4	13.4
125	15367	15613	15218	-72.0	-59.1	-85.1		238	3.6	11.5
100	16661	16922	16503	-77.3	-64.9	-89.9		120	1.4	9.2
80	17948	18236	17767	-75.4	-64.5	-86.3		105	2.3	7.6
70	18733	19032	18525	-71.9	-60.7	-83.9		100	0.7	7.1
60	19652	19959	19387	-67.6	-56.1	-78.9		243	1.3	8.5
50	20767	21112	20474	-62.8	-50.9	-73.3		260	2.6	10.0
40	22162	22564	21841	-58.2	-46.9	-68.3		248	1.0	9.8
30	23998	24431	23494	-53.3	-41.9	-65.5				
25	25161	25603	24639	-51.4	-36.7	-63.7				
20	26621	27105	26243	-49.3	-34.5	-61.1				
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
560	4980	5560	4420				097	16840	-79.2

NORMALS OF RADIOSONDE DATA

MONTH : APRIL TIME : 1730 IST STATION : BANGALURU

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	906	908	905	32.5	37.2	20.0	13.4	079	1.2	2.2
1000	28	45	16							
950	493	511	479							
925	737	751	723							
900	983	996	968	31.9	36.2	20.0	13.2	080	2.1	3.9
850	1491	1505	1475	26.4	35.4	18.0	9.7	080	3.1	5.0
800	2021	2035	2002	21.6	31.0	13.8	7.8	071	3.3	5.0
750	2574	2592	2551	16.7	26.8	9.8	5.9	061	3.8	5.2
700	3159	3184	3132	11.6	20.8	4.6	2.9	056	4.3	5.8
650	3772	3805	3738	7.0	16.6	-2.0	-1.6	055	4.9	6.3
600	4427	4468	4388	2.9	12.2	-5.7	-7.7	058	4.0	6.2
550	5126	5177	5084	-0.7	8.0	-8.7	-13.8	056	2.4	5.7
500	5883	5950	5836	-4.7	3.8	-12.1	-18.9	039	1.6	6.1
450	6704	6782	6656	-9.5	-0.9	-21.0	-23.8	005	1.6	7.1
400	7605	7702	7549	-15.0	-6.5	-24.1	-28.7	307	1.7	8.1
350	8602	8713	8533	-21.6	-10.1	-29.9	-35.0	273	3.5	9.6
300	9722	9865	9648	-29.8	-18.5	-39.5	-42.3	261	5.7	10.6
250	10996	11172	10910	-39.7	-28.9	-48.3	-50.9	247	7.3	11.8
200	12484	12702	12381	-51.4	-40.1	-60.3		238	8.1	12.8
175	13340	13579	13218	-58.1	-46.9	-68.9		235	7.4	12.2
150	14295	14573	14149	-65.4	-52.5	-75.3		233	5.9	11.5
125	15383	15690	15218	-72.3	-58.5	-82.3		199	2.3	10.2
100	16682	17028	16472	-78.0	-66.1	-89.1		108	3.6	9.3
80	17958	18345	17723	-76.3	-66.1	-88.1		097	5.3	8.6
70	18745	19157	18453	-72.3	-61.1	-88.1		092	4.1	7.9
60	19668	20087	19364	-67.2	-56.1	-83.1		095	3.3	8.5
50	20799	21231	20492	-61.7	-50.1	-72.0		105	2.5	8.6
40	22201	22674	21705	-56.9	-44.5	-71.0		138	2.3	7.4
30	24058	24570	23575	-52.0	-34.9	-64.1				
25	25241	25755	24752	-49.4	-36.3	-59.3				
20	26694	27293	26358	-47.0	-34.1	-55.7				
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
560	4980	5840	4490				097	16870	-79.7

NORMALS OF RADIOSONDE DATA

MONTH : MAY TIME : 1730 IST STATION : BANGALURU

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	905	907	904	31.0	37.0	20.0	17.0	294	0.9	2.5
1000	23	37	8							
950	486	499	469							
925	729	739	725							
900	974	993	958	30.5	35.4	19.8	16.8	308	1.3	4.0
850	1481	1501	1464	25.4	34.6	17.0	13.5	318	1.9	5.4
800	2011	2033	1991	21.0	31.6	13.0	11.4	336	2.3	5.5
750	2563	2586	2540	16.5	26.2	8.0	8.8	003	2.7	5.6
700	3149	3172	3122	12.1	20.4	4.6	5.0	026	3.4	6.1
650	3764	3791	3734	7.8	15.6	0.6	0.1	047	3.9	6.7
600	4421	4449	4386	3.5	11.2	-3.3	-4.7	052	4.1	7.1
550	5121	5153	5083	-0.4	7.8	-6.7	-9.7	051	3.0	6.7
500	5879	5921	5837	-4.1	4.2	-10.9	-14.8	033	2.2	6.6
450	6703	6753	6662	-8.5	0.4	-15.9	-19.7	026	1.7	6.6
400	7608	7660	7555	-13.9	-4.3	-21.1	-25.7	024	1.2	6.5
350	8609	8671	8548	-20.5	-10.9	-27.3	-32.1	007	0.4	6.1
300	9735	9817	9669	-28.5	-19.9	-35.0	-39.5	169	0.5	6.4
250	11016	11123	10941	-38.4	-29.1	-46.0	-47.9	164	1.8	7.3
200	12513	12674	12422	-50.5	-38.1	-59.1		134	4.5	9.7
175	13371	13553	13262	-57.4	-45.1	-67.5		123	6.6	11.6
150	14329	14534	14205	-64.9	-51.5	-75.5		115	8.6	12.9
125	15424	15664	15280	-72.2	-58.5	-83.9		105	10.6	14.0
100	16712	16995	16563	-78.2	-64.5	-87.9		097	12.8	14.5
80	17992	18312	17823	-76.0	-63.1	-89.1		093	11.8	13.2
70	18782	19117	18606	-72.1	-59.5	-87.1		092	9.9	11.0
60	19705	20046	19487	-67.0	-55.5	-82.5		093	6.9	8.7
50	20824	21169	20532	-61.6	-48.3	-72.3		094	6.7	8.5
40	22236	22620	21950	-56.8	-45.1	-66.1				
30	24087	24502	23873	-52.1	-38.1	-62.5				
25	25271	25703	24997	-49.6	-36.5	-60.3				
20	26735	27222	26455	-47.7	-37.5	-57.9				
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
555	5050	5720	4670				098	16870	-79.5

NORMALS OF RADIOSONDE DATA

MONTH : JUNE TIME : 1730 IST STATION : BANGALURU

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	905	906	904	27.5	35.0	19.6	18.4	264	4.0	4.5
1000	28	47	12							
950	487	500	476							
925	725	738	713							
900	969	982	958	27.0	34.0	17.4	18.3	265	5.5	6.1
850	1470	1487	1457	22.1	30.0	14.2	15.3	265	8.8	9.6
800	1995	2014	1979	17.9	25.8	11.2	13.0	270	9.4	10.2
750	2543	2566	2523	14.3	22.6	7.4	10.0	276	9.1	10.4
700	3125	3149	3103	11.0	20.0	3.6	5.9	279	8.0	9.9
650	3740	3766	3712	7.7	18.4	1.2	1.4	278	6.4	9.0
600	4398	4432	4362	4.0	11.6	-2.9	-2.6	275	5.3	8.5
550	5101	5139	5059	0.2	6.6	-9.3	-7.3	273	4.6	7.6
500	5861	5906	5813	-3.7	3.0	-10.9	-12.1	272	4.0	6.8
450	6686	6735	6631	-8.2	-1.1	-18.0	-17.3	275	2.6	6.0
400	7594	7654	7529	-13.4	-6.1	-20.1	-23.2	293	1.1	5.3
350	8597	8664	8524	-19.9	-12.9	-27.3	-30.3	071	1.6	5.4
300	9727	9808	9639	-27.9	-20.5	-35.9	-37.9	083	4.3	6.7
250	11011	11108	10910	-37.9	-29.1	-45.7	-47.0	089	9.4	10.9
200	12509	12630	12393	-50.1	-41.3	-60.7		088	16.7	17.6
175	13368	13503	13245	-57.2	-49.7	-67.5		088	20.8	21.8
150	14323	14476	14193	-65.0	-55.5	-76.1		088	25.8	26.7
125	15411	15581	15289	-72.6	-63.1	-82.3		090	29.9	30.9
100	16697	16903	16542	-78.1	-64.9	-89.9		093	28.7	29.5
80	17983	18228	17789	-74.9	-56.5	-87.1		085	20.8	22.1
70	18768	19048	18552	-70.9	-54.1	-84.1		087	19.2	20.0
60	19692	19941	19494	-66.4	-51.1	-80.7		089	16.1	16.9
50	20809	21067	20606	-61.7	-47.7	-72.5		094	16.2	16.8
40	22207	22482	21968	-56.9	-41.9	-69.1				
30	24048	24445	23710	-52.4	-38.7	-64.7				
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
546	5150	5600	4670				101	16640	-79.5

NORMALS OF RADIOSONDE DATA

MONTH : JULY TIME : 1730 IST STATION : BANGALURU

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	905	906	904	26.5	32.4	19.0	18.4	265	4.0	4.3
1000	34	46	20							
950	490	504	472							
925	727	731	720							
900	972	988	956	26.0	32.2	13.6	18.0	265	5.7	6.1
850	1472	1491	1458	21.1	29.0	13.6	15.0	267	9.5	10.0
800	1995	2017	1978	17.1	26.6	10.4	12.7	273	10.6	11.0
750	2542	2565	2518	13.6	21.0	7.2	9.8	278	10.7	11.3
700	3122	3152	3099	10.3	19.0	4.6	6.2	281	9.9	10.7
650	3736	3769	3707	7.2	14.6	1.4	1.9	280	8.4	9.3
600	4393	4431	4362	3.7	10.8	-2.1	-2.3	277	6.6	8.0
550	5095	5136	5061	0.1	9.8	-6.0	-6.5	274	5.7	7.2
500	5856	5903	5818	-3.8	5.6	-10.0	-11.5	272	4.5	6.6
450	6681	6733	6644	-8.4	1.2	-15.1	-16.9	268	2.7	6.0
400	7588	7655	7541	-13.8	-4.1	-21.1	-22.9	206	0.3	5.6
350	8590	8667	8537	-20.3	-9.7	-28.5	-29.3	091	2.8	6.5
300	9716	9808	9659	-28.4	-17.3	-37.1	-37.2	091	6.8	8.8
250	10999	11116	10932	-38.2	-27.5	-45.9	-45.9	091	13.5	14.3
200	12497	12642	12425	-50.2	-40.5	-61.0	-56.1	088	21.6	22.4
175	13357	13513	13280	-57.2	-46.7	-68.1		086	26.6	27.2
150	14316	14482	14232	-64.8	-52.9	-79.5		086	31.5	32.2
125	15408	15608	15298	-72.2	-58.9	-82.1		087	36.4	37.2
100	16701	16909	16577	-76.4	-56.3	-87.1		090	32.9	33.6
80	17998	18252	17889	-71.4	-56.9	-84.0		087	23.7	24.3
70	18794	19069	18682	-68.1	-53.3	-83.5		086	21.2	21.8
60	19729	20022	19578	-64.0	-49.5	-78.1		090	20.3	20.8
50	20866	21192	20683	-59.8	-44.5	-72.1				
40	22276	22638	22084	-55.8	-39.5	-68.7				
30	24122	24525	23860	-51.5	-33.5	-64.3				
25	25287	25723	25066	-49.8	-37.9	-63.3				
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
548	5120	5610	4710				105	16410	-78.2

NORMALS OF RADIOSONDE DATA

MONTH : AUGUST TIME : 1730 IST STATION : BANGALURU

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	906	907	904	26.0	31.0	18.0	18.9	268	3.5	3.8
1000	39	51	30							
950	496	511	485							
925	735	747	724							
900	975	992	961	25.4	32.2	16.0	18.5	270	4.9	5.4
850	1474	1492	1457	20.8	27.0	13.4	15.1	272	8.4	8.9
800	1996	2015	1976	16.9	24.0	10.0	12.6	277	9.4	9.9
750	2543	2563	2516	13.4	20.4	6.8	9.7	282	9.6	10.3
700	3123	3144	3096	10.2	18.6	4.4	6.0	284	9.0	9.8
650	3736	3758	3702	7.1	13.8	-1.5	1.7	284	7.6	8.6
600	4393	4422	4362	3.7	10.0	-5.3	-2.5	282	6.2	7.5
550	5095	5129	5061	0.2	8.8	-7.0	-7.0	279	5.2	7.0
500	5855	5898	5815	-3.8	2.8	-10.3	-12.3	278	3.9	6.4
450	6680	6728	6634	-8.3	-1.5	-15.9	-18.1	276	2.3	5.6
400	7587	7647	7531	-13.8	-6.9	-21.3	-23.6	141	0.2	5.5
350	8589	8660	8525	-20.3	-12.5	-27.5	-30.3	097	3.2	6.4
300	9715	9806	9639	-28.5	-17.3	-36.7	-37.9	096	7.4	8.9
250	10996	11107	10908	-38.4	-29.1	-46.9	-46.7	093	13.7	14.5
200	12492	12632	12390	-50.4	-40.3	-60.7		088	22.0	22.6
175	13351	13517	13240	-57.3	-45.5	-67.9		086	26.3	27.0
150	14310	14487	14188	-64.8	-52.1	-76.1		085	30.9	31.5
125	15401	15628	15275	-72.2	-59.1	-82.3		085	34.5	35.3
100	16696	16962	16543	-76.5	-65.7	-86.5		090	30.7	31.2
80	17999	18312	17861	-70.7	-58.1	-84.5		088	21.5	22.0
70	18797	19107	18647	-67.5	-55.0	-79.7		087	19.9	20.4
60	19737	20066	19561	-64.3	-50.1	-77.0		089	18.8	19.3
50	20867	21164	20637	-60.3	-42.1	-76.0				
40	22288	22613	22075	-56.1	-36.5	-65.7				
30	24129	24459	23867	-52.1	-39.5	-65.3				
25	25340	25678	25069	-49.8	-37.1	-63.9				
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
547	5130	5680	4730				105	16400	-78.1

NORMALS OF RADIOSONDE DATA

MONTH : SEPTEMBER TIME : 1730 IST STATION : BANGALURU

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	906	908	905	26.6	31.4	19.0	18.7	273	1.8	2.5
1000	41	55	32							
950	498	516	486							
925	739	753	729							
900	979	995	966	26.1	30.6	19.0	18.3	276	2.8	3.9
850	1479	1497	1463	21.5	29.2	14.0	14.6	279	4.2	5.9
800	2002	2019	1984	17.5	24.2	11.2	12.2	285	4.4	6.3
750	2549	2568	2526	13.8	20.0	7.4	9.1	289	4.3	6.4
700	3130	3157	3104	10.4	19.0	4.0	5.1	290	3.9	6.2
650	3744	3775	3713	7.2	16.0	1.0	0.3	287	3.1	5.8
600	4400	4441	4368	3.9	13.6	-1.7	-4.2	280	2.5	5.5
550	5102	5149	5063	0.3	10.4	-5.9	-8.8	277	1.8	5.3
500	5863	5917	5820	-3.7	4.4	-9.5	-13.6	293	0.8	5.2
450	6687	6749	6634	-8.4	-1.1	-15.5	-19.1	078	0.8	5.1
400	7595	7671	7531	-13.8	-6.5	-21.5	-24.8	091	2.3	5.3
350	8596	8683	8525	-20.5	-12.1	-27.9	-30.9	095	4.3	6.3
300	9721	9829	9639	-28.7	-20.1	-36.7	-38.7	096	7.1	8.2
250	10999	11125	10907	-38.9	-28.3	-47.7	-47.6	095	11.1	12.0
200	12492	12655	12388	-51.2	-40.1	-61.7		093	17.2	17.8
175	13347	13531	13237	-58.2	-45.7	-71.3		092	20.6	21.3
150	14305	14508	14170	-65.6	-52.3	-77.0		092	25.0	25.7
125	15391	15620	15221	-72.7	-59.5	-84.9		092	26.5	27.2
100	16683	16915	16487	-76.1	-60.7	-85.0		093	21.2	21.9
80	17989	18241	17801	-71.3	-58.5	-86.1		089	15.6	16.2
70	18784	19052	18599	-68.0	-56.1	-82.7		086	15.3	15.9
60	19725	20002	19524	-64.4	-51.3	-76.9		090	15.8	16.2
50	20861	21144	20626	-60.4	-47.7	-71.3				
40	22275	22545	21916	-56.2	-43.3	-68.0				
30	24110	24401	23656	-52.2	-39.5	-66.1				
25	25298	25587	24956	-49.9	-35.5	-61.1				
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
546	5160	5720	4560				106	16350	-77.7

NORMALS OF RADIOSONDE DATA

MONTH : OCTOBER TIME : 1730 IST STATION : BANGALURU

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	907	910	905	25.9	30.4	17.8	17.8	025	0.5	2.0
1000	56	80	38							
950	512	540	491							
925	751	776	732							
900	991	1017	968	25.3	29.6	19.8	17.2	023	1.1	3.8
850	1490	1518	1464	20.9	27.0	14.0	13.3	017	1.8	5.5
800	2012	2040	1982	16.9	24.8	11.0	10.8	019	1.8	5.5
750	2558	2588	2527	13.2	22.2	7.0	7.6	019	1.9	5.5
700	3137	3165	3101	9.9	17.8	3.4	3.4	018	1.4	5.4
650	3749	3778	3710	6.8	15.6	0.0	-1.1	012	0.9	5.3
600	4404	4437	4364	3.6	11.0	-2.5	-5.3	031	0.4	5.2
550	5106	5146	5064	0.0	7.0	-6.9	-9.2	067	0.8	5.3
500	5865	5913	5823	-4.1	2.2	-9.7	-13.8	078	1.4	5.3
450	6688	6741	6638	-8.8	-1.3	-15.3	-19.0	081	1.9	5.3
400	7593	7658	7540	-14.3	-7.3	-21.7	-24.7	090	2.3	5.6
350	8593	8667	8532	-21.0	-14.3	-28.7	-31.4	092	2.6	5.8
300	9716	9813	9646	-29.2	-20.9	-35.9	-39.0	100	3.7	6.7
250	10992	11107	10911	-39.4	-29.9	-47.7	-48.2	109	6.0	8.7
200	12480	12627	12384	-51.9	-42.5	-62.1		105	9.2	12.1
175	13332	13499	13222	-58.8	-48.5	-69.3		103	11.6	14.5
150	14280	14474	14155	-66.5	-55.1	-77.7		104	13.4	16.2
125	15360	15612	15217	-73.6	-61.5	-83.3		103	13.7	15.9
100	16649	16947	16495	-77.9	-67.1	-88.0		099	10.7	12.7
80	17935	18275	17755	-73.2	-61.7	-85.3		089	8.9	10.2
70	18733	19097	18524	-69.4	-58.3	-81.3		094	8.3	9.7
60	19666	20055	19406	-65.5	-52.5	-77.7		097	7.2	8.9
50	20789	21190	20572	-61.3	-45.9	-73.3		101	7.3	8.8
40	22202	22660	21937	-57.5	-43.5	-66.9				
30	24025	24477	23720	-53.3	-35.1	-64.7				
25	25205	25648	24869	-51.2	-29.9	-62.9				
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
551	5090	5560	4760				104	16450	-79.4

NORMALS OF RADIOSONDE DATA

MONTH : NOVEMBER TIME : 1730 IST STATION : BANGALURU

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	909	910	907	25.1	29.0	18.8	15.6	066	1.7	2.3
1000	73	87	59							
950	527	539	511							
925	762	773	751							
900	1005	1022	990	24.4	28.2	18.2	15.1	061	3.2	4.4
850	1502	1524	1487	19.8	26.8	11.8	11.7	064	3.9	5.5
800	2021	2049	2003	15.7	22.2	8.0	9.1	064	3.8	5.5
750	2565	2594	2543	12.3	20.2	4.0	5.5	061	3.1	5.3
700	3143	3178	3117	9.7	17.8	3.0	0.7	064	2.6	5.3
650	3754	3794	3726	6.9	15.6	-1.9	-3.4	066	2.3	5.4
600	4409	4456	4380	3.6	10.0	-4.0	-7.6	066	2.5	5.7
550	5110	5163	5081	-0.2	6.8	-9.0	-11.6	067	3.1	6.1
500	5868	5930	5836	-4.4	4.6	-13.0	-16.8	066	3.6	6.6
450	6690	6760	6660	-9.3	-0.3	-18.5	-21.9	063	3.7	7.1
400	7593	7676	7555	-14.8	-7.5	-21.1	-27.3	067	2.8	7.1
350	8590	8687	8546	-21.6	-13.7	-30.0	-33.9	075	1.1	6.7
300	9709	9828	9660	-29.9	-21.1	-37.5	-41.3	188	1.5	6.9
250	10982	11123	10920	-40.1	-30.7	-48.5	-50.4	180	4.2	8.6
200	12468	12654	12394	-52.4	-43.1	-66.1		168	6.8	10.9
175	13318	13526	13234	-59.3	-49.9	-70.1		166	7.6	11.8
150	14270	14498	14166	-66.5	-55.5	-79.3		169	6.2	11.0
125	15352	15599	15228	-73.5	-61.5	-85.5		149	4.4	9.1
100	16641	16943	16479	-78.9	-67.7	-89.9		107	4.4	8.0
80	17907	18263	17736	-75.7	-63.1	-88.7		101	5.3	8.0
70	18692	19067	18515	-71.7	-57.1	-84.1		099	3.6	6.7
60	19612	20001	19425	-67.3	-54.1	-80.1		101	3.2	6.8
50	20733	21143	20545	-62.5	-50.1	-77.3		106	3.4	8.2
40	22126	22575	21886	-58.3	-45.5	-69.1		101	4.6	9.3
30	23969	24441	23664	-54.2	-38.9	-64.3				
25	25131	25665	24823	-52.7	-41.1	-63.3				
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
552	5070	5620	4760				100	16660	-80.3

NORMALS OF RADIOSONDE DATA

MONTH : DECEMBER TIME : 1730 IST STATION : BANGALURU

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	910	911	908	24.4	28.4	17.0	13.6	078	2.6	2.9
1000	87	114	70							
950	540	566	525							
925	779	791	767							
900	1016	1049	1000	23.5	27.4	16.0	13.1	078	4.3	4.9
850	1511	1548	1494	18.6	25.6	10.0	9.8	082	5.1	5.9
800	2028	2073	2007	14.5	23.4	8.6	7.0	082	4.8	5.8
750	2570	2615	2541	12.0	19.8	4.2	1.1	084	4.2	5.7
700	3147	3201	3109	10.0	18.2	3.0	-3.5	080	3.6	5.8
650	3759	3812	3720	7.0	15.2	1.0	-6.6	077	3.3	5.8
600	4412	4469	4375	3.4	10.2	-3.5	-10.0	074	3.0	6.1
550	5112	5162	5074	-0.7	6.0	-6.7	-13.9	076	3.0	6.3
500	5868	5920	5829	-5.1	2.6	-11.1	-18.5	075	2.6	6.8
450	6688	6740	6646	-10.0	-0.9	-15.1	-23.2	067	1.7	7.2
400	7586	7647	7541	-15.8	-9.5	-22.9	-28.7	350	0.6	7.7
350	8580	8644	8529	-22.7	-15.9	-32.0	-34.8	268	2.2	8.6
300	9695	9786	9635	-30.9	-23.9	-39.5	-42.0	242	4.6	10.2
250	10962	11076	10893	-40.9	-30.5	-49.0		222	7.0	12.8
200	12443	12583	12364	-52.9	-45.5	-63.3		215	8.5	14.8
175	13292	13447	13215	-59.6	-49.5	-71.3		218	8.4	14.5
150	14240	14414	14143	-66.6	-55.5	-76.9		225	7.3	13.3
125	15319	15524	15154	-73.3	-62.3	-85.7		220	4.5	10.9
100	16608	16856	16418	-78.7	-65.7	-87.9		146	1.5	8.8
80	17885	18175	17735	-76.9	-57.5	-87.3		097	4.7	8.0
70	18660	18984	18475	-73.5	-59.3	-86.9		097	3.3	7.3
60	19567	19910	19352	-68.9	-53.9	-79.5		089	0.9	6.3
50	20675	21036	20368	-64.0	-50.1	-78.1		207	0.1	6.5
40	22060	22434	21832	-60.0	-47.3	-71.5		098	1.8	7.7
30	23875	24245	23602	-55.4	-41.1	-65.9				
25	25031	25453	24736	-53.8	-39.5	-64.5				
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
557	5000	5320	4660				098	16760	-79.8

NORMALS OF RADIOSONDE DATA

MONTH : JANUARY TIME : 1730 IST STATION : BHOPAL

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	955	957	953	23.6	31.2	14.8	7.5	008	0.6	1.9
1000	119	142	104							
950	558	578	541	23.0	30.8	14.6	7.1	010	0.9	2.4
925	795	810	786	20.2	27.8	12.6	6.1	338	1.4	3.9
900	1033	1049	1018	18.2	26.2	10.2	3.9	323	1.3	3.8
850	1519	1537	1504	14.3	21.8	6.4	1.8	281	2.5	4.4
800	2028	2047	2013	11.1	20.0	2.0	-1.8	271	4.8	6.2
750	2562	2584	2548	8.2	17.8	-1.5	-5.3	271	7.3	8.6
700	3129	3151	3114	5.3	15.8	-3.1	-8.9	273	9.9	11.2
650	3729	3752	3709	2.2	12.0	-8.5	-13.5	275	12.5	13.8
600	4373	4391	4348	-1.3	7.6	-15.5	-17.8	276	15.0	16.4
550	5068	5102	5030	-5.2	5.2	-17.5	-21.5	276	17.8	19.3
500	5802	5836	5767	-9.8	2.2	-22.1	-25.1	275	20.7	22.3
450	6611	6671	6568	-15.1	-3.9	-27.5	-29.0	273	24.2	25.6
400	7489	7556	7439	-20.9	-9.3	-31.5	-34.8	273	27.5	29.1
350	8465	8545	8397	-27.3	-15.3	-37.5	-39.8	272	31.7	33.5
300	9559	9676	9479	-34.4	-22.9	-47.5		272	35.4	37.3
250	10809	10961	10710	-42.9	-31.1	-57.9		269	38.5	40.7
200	12286	12452	12135	-52.7	-42.5	-63.3		269	40.0	42.1
175	13143	13337	12995	-58.1	-48.5	-67.5		269	41.7	43.8
150	14094	14327	13920	-63.6	-54.1	-74.5		267	38.2	40.4
125	15192	15518	15022	-68.8	-58.3	-79.7				
100	16521	16883	16379	-72.9	-63.5	-82.5				
80	17825	18206	17725	-73.5	-63.5	-81.1				
70	18622	19018	18495	-70.9	-56.9	-79.5				
60	19541	19937	19399	-67.2	-53.9	-76.5				
50	20656	21072	20495	-62.2	-52.5	-73.3				
40	22056	22505	21869	-58.3	-46.7	-70.5				
30	23884	24397	23677	-55.7	-42.7	-64.9				
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
620	4120	4920	3750				097	16720	-74.8

NORMALS OF RADIOSONDE DATA

MONTH : FEBRUARY TIME : 1730 IST STATION : BHOPAL

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	953	956	951	26.6	34.6	13.0	6.2	301	1.0	2.3
1000	99	125	81							
950	545	563	522	26.1	34.2	12.6	5.9	318	1.0	2.5
925	783	798	770	23.1	33.4	11.4	5.0	312	1.8	4.3
900	1022	1039	1004	21.0	33.4	10.4	3.4	293	2.2	4.5
850	1513	1527	1494	16.6	29.2	5.0	1.8	279	2.8	4.8
800	2025	2040	2002	12.4	24.8	2.4	-0.8	270	4.2	5.9
750	2559	2578	2529	8.8	19.2	1.0	-4.0	267	6.5	8.0
700	3129	3149	3098	5.5	14.4	-2.9	-7.7	271	9.4	11.0
650	3728	3757	3692	2.3	11.6	-7.1	-11.6	274	11.9	13.6
600	4373	4401	4333	-1.3	9.2	-10.9	-15.1	275	14.8	16.4
550	5064	5101	5019	-5.2	5.0	-16.3	-19.2	275	17.5	19.3
500	5804	5839	5761	-9.8	0.4	-20.3	-23.9	275	20.8	22.4
450	6613	6665	6579	-14.8	-3.7	-26.5	-27.2	276	23.9	25.8
400	7492	7555	7453	-20.5	-6.7	-34.7	-33.0	275	27.9	29.9
350	8468	8564	8428	-26.9	-14.1	-36.5	-38.8	274	31.2	33.5
300	9565	9692	9512	-34.0	-21.7	-46.7	-45.4	274	34.6	37.2
250	10817	10980	10741	-42.5	-27.9	-56.1		273	37.0	39.5
200	12295	12484	12192	-51.7	-37.5	-62.5		273	37.0	39.7
175	13147	13315	13036	-57.1	-43.9	-68.1		272	34.9	37.2
150	14113	14275	13997	-62.6	-46.9	-72.3		272	33.6	35.1
125	15220	15354	15066	-68.2	-48.7	-77.3		270	27.3	29.0
100	16541	16689	16362	-72.6	-60.9	-85.3		273	20.3	22.2
80	17852	18030	17516	-73.2	-61.9	-85.1				
70	18649	18932	18357	-70.9	-59.7	-82.1				
60	19552	19816	19353	-66.8	-55.9	-77.9				
50	20667	20908	20458	-61.7	-52.9	-72.9				
40	22067	22323	21840	-58.0	-50.1	-66.1				
30	23903	24176	23730	-54.7	-48.9	-62.7				
25	25039	25320	24870	-53.1	-46.5	-60.7				
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
619	4120	4680	3550				100	16580	-74.4

NORMALS OF RADIOSONDE DATA

MONTH : MARCH TIME : 1730 IST STATION : BHOPAL

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	951	953	949	32.1	39.4	18.2	5.7	285	2.0	2.9
1000	68	93	47							
950	525	538	512	31.0	37.8	18.6	6.0	299	1.6	2.8
925	766	780	751	29.2	37.2	16.6	5.5	288	3.3	5.4
900	1010	1027	993	26.7	36.6	15.2	3.2	285	3.7	5.5
850	1509	1522	1495	22.2	31.6	12.6	1.9	282	4.3	5.6
800	2030	2045	2016	17.4	26.8	8.2	0.2	279	4.8	5.9
750	2572	2592	2548	12.5	22.8	4.2	-2.2	273	5.8	6.9
700	3150	3173	3128	8.0	18.6	-0.5	-5.0	271	7.8	9.0
650	3751	3787	3725	3.7	13.2	-4.3	-8.5	271	10.1	11.5
600	4401	4433	4375	-0.2	10.2	-7.7	-13.2	272	12.7	14.1
550	5095	5129	5065	-4.4	6.8	-14.1	-17.6	275	15.0	16.3
500	5836	5873	5800	-9.0	0.2	-17.9	-22.2	275	17.5	18.9
450	6646	6684	6612	-14.2	-0.7	-23.1	-26.6	276	20.2	21.8
400	7527	7565	7469	-20.3	-6.5	-29.1	-32.5	276	22.6	24.5
350	8503	8552	8452	-26.9	-13.9	-37.3	-37.5	275	25.7	27.9
300	9597	9687	9528	-34.4	-23.5	-45.9	-45.9	274	29.5	31.9
250	10847	10970	10771	-43.0	-32.7	-55.9		274	32.2	35.0
200	12317	12468	12224	-52.2	-42.1	-65.5		277	33.4	36.0
175	13169	13344	13075	-56.8	-45.3	-67.9		275	33.6	35.4
150	14130	14310	14028	-61.7	-48.1	-74.7		279	32.3	34.0
125	15248	15431	15151	-67.2	-53.1	-80.3		275	27.8	29.1
100	16584	16774	16466	-71.8	-56.9	-82.3		277	22.9	23.7
80	17895	18097	17767	-72.7	-60.3	-81.9				
70	18680	18904	18533	-71.0	-60.3	-82.5				
60	19598	19835	19445	-67.3	-52.1	-78.1				
50	20713	20963	20555	-62.4	-50.1	-76.1				
40	22103	22383	21931	-58.0	-47.5	-69.1				
30	23938	24241	23740	-54.2	-43.5	-65.3				
25	25098	25554	24873	-52.1	-42.9	-61.9				
20	26550	27084	26342	-49.1	-38.9	-57.9				
15										
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FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
602	4360	4700	3960	198	12430	-57.7	099	16730	-74.3

NORMALS OF RADIOSONDE DATA

MONTH : APRIL TIME : 1730 IST STATION : BHOPAL

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	948	950	946	36.8	42.0	18.0	7.5	280	2.9	3.6
1000	31	60	9							
950	492	512	476	33.8	39.8	19.0	8.9	288	2.9	3.9
925	738	754	723	34.1	39.8	18.6	6.7	277	4.6	6.0
900	987	1007	972	31.4	42.4	17.4	4.9	279	5.1	6.2
850	1495	1506	1483	26.8	37.6	14.2	3.6	283	5.1	6.2
800	2024	2034	2013	22.0	32.0	11.4	1.9	281	5.2	6.2
750	2572	2592	2552	16.8	26.2	6.6	-0.1	279	5.4	6.4
700	3159	3176	3147	11.5	20.8	0.8	-2.5	274	6.0	7.0
650	3767	3790	3744	6.1	15.0	-4.3	-5.2	270	7.1	8.2
600	4423	4452	4399	1.1	9.6	-7.7	-9.2	271	8.7	9.8
550	5120	5164	5088	-3.4	4.6	-12.9	-14.2	274	10.2	11.5
500	5864	5906	5829	-7.9	1.4	-17.9	-19.9	278	11.8	13.3
450	6678	6729	6633	-13.1	-1.5	-25.1	-25.9	278	13.9	15.7
400	7562	7614	7508	-19.3	-6.9	-30.7	-30.1	277	16.3	18.1
350	8541	8603	8475	-26.2	-14.1	-36.5	-36.1	275	19.3	21.4
300	9640	9725	9563	-33.6	-22.1	-44.9	-42.6	272	22.6	25.1
250	10896	11004	10809	-42.0	-31.7	-53.7	-52.1	271	26.4	29.5
200	12381	12503	12261	-51.1	-41.7	-63.3		270	27.5	30.6
175	13240	13375	13106	-55.9	-45.1	-65.5		268	27.5	29.6
150	14207	14379	14062	-61.2	-50.7	-71.3		269	27.2	28.8
125	15319	15510	15156	-66.8	-57.1	-77.1		270	22.3	23.8
100	16659	16888	16479	-71.7	-58.7	-78.9		276	14.7	16.4
80	17966	18230	17757	-72.6	-57.9	-80.9				
70	18765	19045	18577	-70.6	-51.9	-80.7				
60	19688	20001	19503	-66.7	-48.3	-81.3				
50	20810	21132	20623	-61.2	-44.5	-74.7				
40	22199	22670	22021	-56.6	-41.5	-68.5				
30	24030	24403	23835	-52.1	-36.5	-62.3				
25	25209	25608	24885	-49.8	-38.7	-58.1				
20	26670	27319	26155	-47.1	-35.3	-54.7				
15										
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FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
587	4600	5020	4130	198	12460	-59.0	095	17050	-74.1

NORMALS OF RADIOSONDE DATA

MONTH : MAY TIME : 1730 IST STATION : BHOPAL

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	945	947	943	38.9	44.2	21.0	11.5	285	2.9	4.1
1000	11	29	1							
950	462	488	439							
925	710	722	695	36.6	43.6	21.6	10.6	282	4.8	6.7
900	961	990	943	33.7	43.6	21.8	8.8	288	5.0	6.8
850	1473	1499	1453	29.1	37.2	18.8	7.2	292	5.4	6.9
800	2007	2027	1987	24.4	32.6	14.8	5.4	294	5.4	6.7
750	2562	2580	2541	19.3	26.8	10.0	3.7	294	5.4	6.6
700	3153	3175	3134	13.9	21.8	5.0	1.2	294	5.3	6.6
650	3765	3793	3741	8.5	16.0	1.6	-1.8	294	5.3	6.8
600	4427	4458	4405	3.2	11.6	-5.9	-5.6	295	5.6	7.2
550	5131	5159	5103	-1.4	6.6	-12.7	-10.7	295	6.1	8.0
500	5880	5916	5853	-5.7	2.4	-16.3	-16.6	297	7.3	9.3
450	6703	6744	6673	-10.2	0.2	-22.1	-21.7	296	8.7	10.8
400	7599	7645	7558	-15.5	-4.1	-28.9	-26.8	290	10.1	12.4
350	8592	8648	8539	-22.0	-10.7	-37.7	-33.4	282	11.6	13.9
300	9713	9799	9634	-29.5	-17.5	-48.5	-39.2	275	13.0	15.5
250	10992	11102	10868	-38.3	-26.7	-56.7		265	14.8	17.3
200	12493	12628	12313	-48.8	-40.1	-65.3		259	15.3	18.1
175	13360	13504	13149	-54.6	-44.7	-68.7		254	13.9	16.6
150	14330	14470	14114	-61.1	-51.5	-74.5		253	11.3	14.9
125	15443	15591	15205	-67.7	-57.7	-79.5		248	9.1	13.8
100	16767	16933	16475	-73.3	-61.5	-91.1		240	2.8	10.7
80	18068	18266	17744	-73.5	-56.1	-82.5		083	2.6	10.6
70	18861	19077	18535	-70.7	-50.9	-82.3		088	4.2	10.0
60	19777	20021	19466	-66.0	-46.1	-79.7		082	6.3	9.3
50	20902	21178	20591	-59.3	-41.5	-71.7		091	6.8	9.3
40	22309	22577	21980	-54.8	-39.9	-66.1		091	6.5	8.8
30	24146	24415	23713	-50.5	-35.1	-59.3				
25	25298	25564	24871	-48.2	-34.9	-59.1				
20	26806	27182	26306	-45.1	-33.7	-57.1				
15	28765	29258	28429	-42.3	-30.3	-52.1				
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
564	4910	5440	4620				096	17030	-75.4

NORMALS OF RADIOSONDE DATA

MONTH : JUNE TIME : 1730 IST STATION : BHOPAL

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	942	944	940	34.3	44.0	22.2	18.6	273	2.6	4.3
1000	24	43	0							
950	437	476	396							
925	680	702	669	32.9	43.2	20.6	17.5	265	4.5	7.0
900	928	947	911	30.4	41.4	17.8	16.2	280	4.8	7.4
850	1436	1452	1418	26.4	36.6	15.2	13.9	290	4.7	7.1
800	1967	1982	1949	22.2	31.8	12.6	11.7	300	4.5	6.9
750	2523	2538	2506	17.8	26.2	10.0	9.1	311	4.0	6.6
700	3110	3132	3096	13.5	21.2	7.0	5.7	324	3.7	6.5
650	3727	3742	3715	9.2	17.8	1.6	1.3	333	3.5	6.6
600	4388	4415	4375	5.0	13.8	-2.1	-2.8	331	3.4	6.5
550	5102	5149	5080	1.0	10.4	-8.3	-6.7	323	3.2	6.3
500	5855	5884	5832	-2.7	6.2	-10.7	-10.6	312	2.9	6.3
450	6694	6734	6656	-6.4	2.2	-15.7	-15.0	303	2.9	6.7
400	7598	7636	7558	-11.2	-2.5	-23.7	-20.5	296	2.7	7.0
350	8610	8657	8560	-17.3	-8.7	-30.1	-26.5	285	1.7	7.0
300	9750	9814	9692	-24.8	-11.7	-38.3	-33.8	241	1.2	7.2
250	11046	11135	10953	-34.4	-25.5	-45.7	-42.2	167	1.4	8.2
200	12569	12657	12466	-46.3	-37.9	-55.9		130	3.8	10.0
175	13437	13557	13325	-53.6	-44.5	-63.5		122	5.2	11.3
150	14409	14557	14285	-61.2	-51.9	-70.7		112	7.5	12.4
125	15524	15692	15384	-68.8	-56.3	-78.7		103	9.6	13.3
100	16826	17019	16682	-75.5	-64.3	-85.1		096	12.0	14.0
80	18114	18316	17940	-76.0	-58.3	-86.7		093	14.0	15.1
70	18896	19152	18722	-72.6	-51.1	-84.1		095	14.6	15.4
60	19812	20066	19637	-66.8	-50.9	-82.1		093	13.6	14.0
50	20925	21252	20789	-60.9	-46.1	-76.5		089	13.5	13.8
40	22319	22698	22161	-56.3	-43.5	-69.5		089	14.6	14.9
30	24166	24613	24005	-51.4	-36.1	-65.7		088	16.1	16.2
25	25338	25847	25034	-49.6	-40.5	-63.3				
20	26813	27348	26454	-47.2	-38.5	-55.7				
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
535	5330	5910	4830				093	17220	-78.1

NORMALS OF RADIOSONDE DATA

MONTH : JULY TIME : 1730 IST STATION : BHOPAL

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	942	945	940	28.8	38.2	21.2	22.3	259	3.7	4.9
1000	12	28	1							
950	440	459	427							
925	679	686	666	27.5	37.2	20.6	21.2	258	5.6	7.0
900	926	960	911	25.6	36.0	15.8	19.7	266	6.3	8.0
850	1428	1460	1414	22.2	33.6	13.8	17.3	274	6.5	8.3
800	1952	1981	1940	18.9	30.0	11.8	14.7	281	5.8	8.0
750	2507	2526	2496	15.7	27.6	8.0	12.0	287	4.7	7.3
700	3087	3110	3079	12.7	23.8	5.0	8.2	297	3.5	6.5
650	3707	3722	3689	9.6	20.4	2.0	3.9	308	2.8	6.1
600	4368	4390	4345	6.3	15.0	-2.3	-0.3	312	2.6	6.0
550	5089	5124	5069	2.5	9.8	-6.9	-4.0	326	1.6	5.4
500	5842	5876	5804	-1.2	6.4	-9.1	-8.2	007	0.9	5.3
450	6685	6730	6654	-5.3	2.2	-12.3	-13.3	063	1.2	5.3
400	7595	7644	7549	-10.2	-2.1	-18.3	-18.6	083	2.4	5.7
350	8611	8660	8555	-16.2	-8.9	-25.5	-25.3	086	3.9	6.4
300	9756	9822	9697	-23.9	-16.1	-36.1	-32.9	090	6.7	8.0
250	11062	11141	10978	-33.6	-24.9	-45.5	-41.9	091	9.7	10.6
200	12585	12674	12460	-46.0	-38.1	-60.7	-54.6	090	14.0	14.9
175	13457	13561	13312	-53.4	-44.3	-68.7		088	16.7	17.7
150	14433	14551	14273	-61.2	-51.5	-77.3		085	19.4	20.5
125	15550	15698	15376	-69.3	-58.3	-79.7		081	21.6	22.7
100	16850	17034	16673	-75.6	-54.3	-88.1		082	24.1	24.7
80	18147	18375	18000	-74.1	-54.7	-84.5		089	23.3	23.6
70	18942	19260	18652	-70.3	-53.9	-81.5		090	22.5	22.9
60	19864	20213	19555	-65.1	-46.1	-77.3		089	20.1	20.5
50	20985	21398	20729	-60.3	-44.3	-70.3		090	17.5	18.2
40	22389	22681	22115	-55.9	-41.3	-66.3		092	18.3	18.6
30	24197	24504	23993	-53.4	-43.1	-61.5				
25	25362	25728	25162	-51.2	-39.7	-59.5				
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
517	5590	6140	5140				100	16910	-77.6

NORMALS OF RADIOSONDE DATA

MONTH : AUGUST TIME : 1730 IST STATION : BHOPAL

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	944	945	943	27.5	33.6	21.0	22.5	270	3.3	4.3
1000	9	23	0							
950	451	469	425							
925	698	706	691	25.9	32.8	20.0	21.1	272	6.0	7.2
900	940	954	930	24.0	33.4	17.8	19.5	278	6.3	8.0
850	1438	1448	1431	20.9	28.6	14.4	17.1	288	6.0	8.1
800	1960	1971	1953	17.9	24.8	11.6	14.4	293	5.1	7.6
750	2513	2524	2505	15.0	21.2	6.6	11.2	301	3.7	6.6
700	3093	3106	3079	12.2	19.2	3.2	7.4	311	3.1	6.1
650	3713	3735	3701	9.3	15.6	2.8	3.0	328	2.6	5.8
600	4372	4394	4355	6.0	12.2	-1.9	-1.3	346	2.3	5.6
550	5092	5126	5069	2.4	8.2	-4.7	-5.2	008	1.9	5.5
500	5845	5879	5824	-1.4	4.2	-8.5	-9.2	047	1.9	5.7
450	6687	6740	6657	-5.5	3.8	-12.5	-13.9	067	2.3	5.8
400	7595	7643	7566	-10.6	-5.1	-17.3	-19.6	078	3.3	5.9
350	8612	8666	8576	-16.6	-10.1	-24.9	-26.0	088	4.9	6.6
300	9755	9824	9713	-24.2	-17.3	-34.9	-33.4	091	6.7	8.0
250	11059	11145	11009	-33.7	-26.3	-45.5	-42.3	091	9.3	10.2
200	12584	12696	12519	-46.2	-38.1	-55.1	-54.7	091	13.3	14.7
175	13452	13583	13385	-53.6	-45.3	-63.1	-61.2	090	15.7	16.9
150	14419	14568	14349	-61.7	-51.9	-72.3		088	17.8	19.0
125	15522	15711	15442	-70.0	-58.3	-79.5		085	19.4	20.8
100	16824	17058	16739	-76.1	-66.3	-89.1		085	22.2	22.7
80	18128	18394	18022	-73.5	-60.7	-83.7		088	21.8	22.2
70	18935	19243	18799	-69.2	-54.1	-83.3		090	19.9	20.2
60	19849	20174	19708	-64.4	-51.5	-80.9		090	18.5	18.8
50	20974	21323	20800	-60.2	-51.1	-77.3		091	18.4	18.7
40	22373	22781	22169	-57.0	-46.7	-69.1				
30	24235	24618	24014	-52.7	-41.3	-65.5				
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
518	5560	6070	5220				100	16840	-77.0

NORMALS OF RADIOSONDE DATA

MONTH : SEPTEMBER TIME : 1730 IST STATION : BHOPAL

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	947	949	944	28.8	34.6	21.0	20.6	290	2.2	3.4
1000	32	63	7							
950	481	506	439	29.4	33.2	23.8	17.8	290	1.5	2.1
925	722	741	705	26.5	32.2	20.6	18.9	302	3.4	5.6
900	968	989	947	25.1	34.4	16.2	16.8	304	4.1	6.5
850	1467	1484	1450	21.3	32.8	13.4	14.5	316	4.2	6.8
800	1990	2008	1975	17.7	27.6	8.4	11.6	325	3.8	6.6
750	2538	2556	2516	14.3	23.2	7.4	7.4	335	3.4	6.3
700	3118	3136	3100	11.0	20.4	4.8	2.8	338	3.1	6.0
650	3733	3752	3720	7.5	17.2	1.2	-1.1	330	3.1	6.0
600	4388	4410	4367	4.4	13.0	-3.7	-4.7	321	2.7	5.9
550	5104	5144	5074	1.2	8.8	-6.3	-8.3	304	2.2	5.7
500	5855	5888	5829	-2.4	5.2	-8.7	-11.9	294	1.7	5.6
450	6693	6748	6661	-6.7	4.4	-14.1	-16.3	274	1.1	5.4
400	7595	7653	7564	-12.0	-5.3	-18.9	-22.1	276	0.8	5.4
350	8606	8675	8570	-18.5	-9.7	-25.3	-28.0	187	0.7	5.8
300	9740	9827	9700	-26.2	-16.3	-34.3	-35.9	148	1.5	6.3
250	11033	11132	10988	-36.1	-26.7	-43.9	-44.7	136	2.9	8.0
200	12546	12695	12491	-48.4	-39.9	-57.1	-56.0	123	5.0	9.9
175	13410	13575	13346	-55.6	-45.7	-65.7		118	6.4	10.9
150	14372	14563	14244	-63.3	-53.1	-73.3		116	7.3	11.5
125	15471	15694	15302	-71.0	-58.1	-80.5		105	8.0	11.2
100	16770	17058	16646	-75.9	-62.5	-83.5		094	9.7	11.4
80	18075	18428	17961	-72.6	-53.5	-82.9		092	10.9	11.5
70	18872	19273	18735	-68.4	-49.5	-78.9		097	10.6	11.2
60	19801	20214	19653	-63.7	-47.1	-72.3		101	10.7	11.3
50	20924	21392	20748	-59.2	-43.5	-67.1		091	11.0	11.2
40	22327	22858	22133	-55.9	-39.1	-62.7				
30	24117	24412	23941	-53.4	-42.1	-60.5				
25	25261	25579	25093	-51.8	-42.7	-58.5				
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
536	5320	5890	4860				103	16630	-77.1

NORMALS OF RADIOSONDE DATA

MONTH : OCTOBER TIME : 1730 IST STATION : BHOPAL

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	951	954	949	29.7	35.4	16.0	13.1	004	1.0	2.3
1000	72	107	51							
950	524	558	504	29.2	35.0	16.0	12.3	003	1.1	2.3
925	764	792	744	27.3	34.2	15.8	12.6	018	2.5	4.7
900	1008	1034	985	25.6	36.8	14.2	8.7	006	2.8	4.9
850	1506	1529	1481	21.3	33.4	11.2	6.8	007	3.0	5.1
800	2026	2047	2001	16.7	27.0	7.0	4.5	007	3.0	5.3
750	2570	2587	2548	12.3	23.0	3.4	1.6	005	2.7	5.3
700	3146	3161	3125	8.4	18.4	-0.9	-2.0	349	2.3	5.4
650	3753	3773	3730	5.3	15.6	-5.1	-6.0	315	2.5	5.6
600	4405	4422	4385	2.6	13.6	-8.7	-9.5	295	3.6	6.5
550	5113	5152	5079	-0.6	9.8	-13.1	-12.1	289	5.1	7.7
500	5861	5890	5838	-4.6	5.0	-16.7	-15.4	286	6.1	8.7
450	6688	6728	6651	-9.4	3.6	-22.5	-20.3	278	7.2	9.9
400	7583	7630	7534	-15.2	-4.9	-29.7	-26.4	272	9.0	11.3
350	8577	8642	8507	-21.9	-11.1	-37.1	-32.3	264	10.4	12.4
300	9697	9766	9605	-29.7	-19.9	-45.1	-40.7	258	12.1	13.8
250	10970	11057	10849	-39.3	-29.7	-53.1	-49.6	255	13.4	15.0
200	12458	12564	12310	-51.1	-41.9	-61.7		246	13.9	15.6
175	13308	13445	13160	-57.7	-47.5	-69.5		245	13.0	15.0
150	14266	14464	14122	-64.6	-54.3	-74.1		241	11.2	13.5
125	15362	15606	15223	-71.5	-58.1	-82.3		242	8.1	10.9
100	16655	17066	16512	-75.9	-57.1	-85.1		218	3.4	7.7
80	17948	18391	17825	-73.2	-52.1	-82.7		126	2.7	6.2
70	18734	19216	18569	-69.0	-48.1	-79.3		110	3.3	6.4
60	19659	20163	19520	-65.1	-43.9	-73.9		100	4.7	6.6
50	20758	21233	20626	-61.5	-48.9	-71.7		098	4.8	7.4
40	22153	22741	21941	-58.1	-47.5	-68.1		095	6.8	8.0
30	23979	24247	23766	-54.4	-40.3	-64.5		093	7.1	8.7
25	25146	25450	24651	-52.4	-42.1	-61.1				
20	26605	26967	26487	-50.7	-41.1	-58.5				
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
564	4910	5430	4230				105	16390	-77.2

NORMALS OF RADIOSONDE DATA

MONTH : NOVEMBER TIME : 1730 IST STATION : BHOPAL

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	954	958	953	26.9	31.4	18.0	9.7	032	1.0	1.7
1000	109	142	95							
950	552	589	535	26.4	31.4	18.2	9.1	034	1.4	2.2
925	789	802	778	23.8	29.6	16.2	7.4	039	2.0	3.7
900	1034	1059	1019	21.9	32.6	9.8	4.1	027	2.2	3.8
850	1526	1549	1508	17.4	26.6	7.0	2.0	015	1.9	3.8
800	2040	2059	2020	13.3	21.6	4.2	-0.5	355	2.0	4.1
750	2578	2597	2553	9.8	19.0	-0.9	-3.8	323	2.5	4.9
700	3148	3167	3126	7.1	16.6	-2.5	-6.8	302	3.5	5.8
650	3754	3785	3726	4.3	14.6	-5.1	-10.6	291	5.0	7.2
600	4402	4443	4376	1.2	10.8	-8.3	-13.1	285	6.8	9.0
550	5104	5172	5069	-2.7	7.2	-11.9	-18.1	282	8.6	10.8
500	5845	5909	5817	-7.3	2.2	-16.3	-21.4	280	11.0	12.9
450	6661	6749	6627	-12.6	-1.5	-21.7	-26.5	277	13.3	15.2
400	7547	7644	7503	-18.7	-6.3	-28.3	-31.6	274	16.3	18.2
350	8529	8648	8467	-25.5	-13.1	-34.1	-37.4	271	19.6	21.6
300	9631	9768	9547	-33.1	-21.3	-41.5		268	22.5	24.5
250	10890	11047	10800	-42.1	-30.5	-50.5		262	25.2	27.2
200	12366	12545	12191	-52.6	-41.9	-61.9		258	26.8	28.7
175	13216	13422	13105	-58.5	-48.3	-66.5		259	26.6	28.3
150	14166	14392	14056	-64.6	-53.1	-72.7		258	24.8	26.3
125	15265	15527	15153	-70.6	-57.9	-78.1		257	19.7	20.9
100	16569	16895	16458	-74.6	-62.1	-82.3		263	13.7	14.8
80	17861	18234	17775	-73.9	-59.7	-80.3		259	7.6	10.8
70	18643	19083	18550	-71.2	-57.7	-78.9				
60	19564	20136	19462	-68.0	-54.7	-75.7				
50	20672	21284	20526	-63.6	-53.3	-72.7				
40	22064	22702	21907	-58.8	-49.7	-69.1				
30	23863	24607	23698	-56.2	-44.9	-68.1				
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
590	4550	5440	4180				103	16440	-76.0

NORMALS OF RADIOSONDE DATA

MONTH : DECEMBER TIME : 1730 IST STATION : BHOPAL

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	956	961	955	23.9	32.0	15.4	7.4	037	0.9	1.6
1000	128	169	118							
950	566	601	542	23.3	29.0	15.0	6.9	037	1.2	2.2
925	804	815	793	20.5	27.0	11.2	4.6	033	1.9	3.4
900	1044	1079	1032	18.9	32.2	9.8	3.0	021	1.5	3.5
850	1530	1564	1514	15.0	26.4	7.2	0.3	335	1.2	3.7
800	2041	2077	2021	12.1	23.0	2.8	-3.4	296	2.2	4.8
750	2578	2599	2555	9.6	20.2	0.2	-6.4	287	3.9	6.2
700	3148	3176	3124	7.0	16.8	-1.7	-9.4	284	5.8	7.9
650	3752	3789	3728	4.0	14.4	-5.9	-13.2	282	8.0	9.9
600	4398	4440	4370	0.2	10.2	-8.5	-15.9	281	10.0	11.7
550	5096	5151	5055	-4.1	6.4	-12.1	-19.7	280	12.6	14.0
500	5834	5893	5794	-8.9	0.8	-15.9	-24.6	276	15.1	16.4
450	6644	6713	6587	-14.2	-4.3	-22.9	-28.6	274	17.7	19.1
400	7525	7610	7460	-20.4	-10.9	-28.3	-32.7	272	21.1	22.6
350	8501	8590	8415	-27.2	-17.9	-36.7	-39.3	270	23.9	25.5
300	9595	9703	9493	-35.0	-23.3	-45.9	-44.8	268	27.1	28.8
250	10844	10963	10714	-44.2	-32.7	-56.3		262	30.7	32.6
200	12311	12435	12146	-54.2	-41.7	-64.1		258	33.4	35.8
175	13155	13285	12991	-59.4	-47.7	-69.7		254	32.9	34.9
150	14111	14276	13941	-64.5	-51.7	-72.5		254	30.2	31.9
125	15214	15351	15058	-69.3	-58.1	-78.3		257	28.0	29.5
100	16521	16707	16383	-73.8	-65.7	-80.1				
80	17817	18010	17665	-74.5	-66.1	-83.9				
70	18600	18795	18440	-72.9	-56.7	-81.7				
60	19507	19712	19345	-69.6	-58.1	-78.3				
50	20619	20812	20400	-65.3	-52.9	-73.9				
40	21984	22199	21773	-61.8	-55.7	-71.1				
30	23751	23985	23573	-57.9	-51.3	-62.3				
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
600	4400	5050	3690				099	16640	-75.9

NORMALS OF RADIOSONDE DATA

MONTH : JANUARY TIME : 1730 IST STATION : BHUBANESWAR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1008	1010	1006	25.7	32.6	15.4	12.6	140	0.8	2.4
1000	115	131	102	25.1	31.4	16.4	12.8	140	0.9	2.8
950	549	591	498	21.3	31.4	10.0	9.9	113	0.6	3.8
925	792	803	778	19.0	25.8	11.8	9.7	348	0.7	3.7
900	1027	1042	1011	17.5	26.0	8.0	7.4	334	1.2	3.7
850	1512	1534	1495	14.3	23.8	7.0	3.6	320	3.3	4.8
800	2022	2049	2003	11.8	21.6	3.0	-1.0	315	5.3	6.7
750	2552	2577	2521	9.5	18.2	1.8	-4.6	307	7.0	8.5
700	3128	3164	3106	7.0	16.0	-2.0	-7.5	297	8.3	9.8
650	3731	3757	3707	4.1	12.8	-5.0	-10.3	288	10.0	11.4
600	4381	4420	4355	0.8	10.2	-10.3	-13.3	282	11.9	13.1
550	5080	5126	5022	-3.2	7.6	-15.3	-17.1	279	14.1	15.3
500	5823	5863	5789	-7.8	4.4	-18.5		276	16.2	17.6
450	6632	6696	6571	-13.0	-0.3	-23.9		274	18.8	20.3
400	7525	7587	7475	-19.1	-6.9	-33.0		273	21.4	23.1
350	8507	8565	8443	-25.9	-14.9	-40.9		271	24.6	26.3
300	9608	9694	9527	-33.8	-23.9	-48.7		268	27.0	28.8
250	10863	10963	10755	-43.1	-34.3	-58.7		263	29.2	31.3
200	12331	12452	12200	-54.2	-43.1	-69.3		259	29.9	31.8
175	13176	13301	13033	-60.3	-50.1	-72.3		258	28.8	30.5
150	14124	14253	13975	-66.5	-56.3	-76.9		258	26.2	27.9
125	15210	15351	15060	-72.8	-61.7	-83.5		259	23.2	25.0
100	16502	16647	16355	-77.5	-65.7	-85.9		260	17.0	18.7
80	17781	17931	17635	-75.8	-61.1	-88.1		264	11.1	13.6
70	18571	18762	18414	-72.3	-58.1	-84.3		262	9.3	11.8
60	19476	19644	19325	-68.0	-54.1	-80.3		266	7.6	10.1
50	20584	20785	20426	-63.4	-50.5	-77.5		277	3.4	8.0
40	21968	22234	21805	-59.8	-46.5	-71.3				
30	23775	24072	23588	-56.6	-45.5	-68.3				
25	24908	25356	24670	-55.2	-46.3	-68.1				
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
591	4500	5040	3950				099	16570	-79.3

NORMALS OF RADIOSONDE DATA

MONTH : FEBRUARY TIME : 1730 IST STATION : BHUBANESWAR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1006	1008	1002	28.4	34.4	17.0	14.3	166	2.4	3.9
1000	96	119	61	27.7	34.2	17.0	14.7	165	2.4	4.1
950	531	567	491	23.7	36.0	15.0	12.2	176	2.3	5.1
925	778	794	769	21.9	29.8	15.2	12.2	199	1.5	4.8
900	1016	1041	983	20.3	33.8	11.6	9.5	252	1.2	4.4
850	1505	1531	1474	16.7	27.4	7.0	6.3	297	3.2	5.2
800	2019	2044	1986	13.2	22.8	5.0	2.5	303	5.5	6.9
750	2546	2582	2513	10.0	18.6	2.8	-2.0	300	7.8	9.2
700	3128	3154	3099	6.9	15.2	0.0	-5.7	294	9.5	10.9
650	3728	3762	3682	3.7	12.8	-3.9	-9.1	288	10.9	12.1
600	4380	4408	4348	0.5	8.8	-8.1	-13.3	281	12.5	13.8
550	5078	5128	5027	-3.4	4.8	-13.3	-16.0	278	14.8	16.2
500	5821	5857	5788	-7.8	1.2	-16.7	-20.3	276	17.1	18.6
450	6632	6678	6582	-12.8	0.4	-22.3	-24.7	275	19.5	21.1
400	7522	7566	7477	-18.7	-5.1	-30.9		272	22.2	24.0
350	8508	8555	8452	-25.4	-13.3	-39.3		272	24.9	27.0
300	9610	9671	9539	-33.0	-21.7	-49.3		269	27.9	30.0
250	10867	10953	10781	-42.3	-30.0	-58.7		266	29.9	32.2
200	12341	12447	12237	-53.3	-42.9	-68.5		262	29.9	32.2
175	13188	13307	13074	-59.4	-48.5	-73.5		261	29.9	32.1
150	14138	14285	14013	-65.7	-51.7	-76.7		261	27.4	29.8
125	15227	15388	15082	-71.8	-57.9	-84.7		262	24.1	26.3
100	16523	16687	16359	-76.9	-62.5	-88.9		264	19.2	21.0
80	17805	17992	17625	-76.6	-52.5	-88.3		267	12.7	15.0
70	18588	18799	18390	-73.7	-53.3	-85.3		269	10.1	12.5
60	19487	19744	19267	-69.7	-54.5	-83.5		275	7.1	10.1
50	20586	20882	20331	-64.7	-50.7	-78.3		275	5.2	9.1
40	21960	22277	21660	-60.6	-44.9	-73.7		271	3.2	7.5
30	23753	24283	23402	-57.1	-40.5	-69.7				
25	24899	25435	24500	-55.2	-38.9	-66.1				
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
595	4460	4830	4050				096	16820	-79.1

NORMALS OF RADIOSONDE DATA

MONTH : MARCH TIME : 1730 IST STATION : BHUBANESWAR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1003	1004	999	31.1	39.6	19.0	18.6	178	4.4	5.4
1000	69	84	38	30.5	36.8	20.0	18.4	177	4.3	5.3
950	510	542	467	27.1	36.0	17.0	15.1	190	4.6	6.5
925	758	781	730	26.3	33.4	19.4	14.3	203	2.7	5.2
900	1000	1019	974	24.5	33.8	13.2	10.7	232	2.2	5.1
850	1498	1515	1475	21.1	30.4	8.0	6.9	290	3.3	5.2
800	2019	2037	2000	17.2	28.2	6.4	3.5	301	5.2	6.6
750	2548	2582	2510	13.0	25.6	3.4	0.1	303	7.2	8.4
700	3140	3164	3121	8.8	22.4	0.4	-3.6	300	8.6	9.9
650	3738	3764	3702	4.8	17.6	-5.7	-7.6	298	9.6	11.0
600	4396	4427	4374	1.2	11.0	-10.5	-11.4	292	10.5	11.8
550	5091	5135	5038	-2.9	5.0	-14.5	-15.7	289	11.6	12.9
500	5840	5879	5805	-7.5	1.0	-17.9	-20.0	284	13.4	14.7
450	6648	6689	6595	-12.7	-3.1	-23.9	-24.3	280	15.0	16.5
400	7542	7590	7488	-18.9	-8.7	-33.0	-29.2	277	17.3	19.2
350	8524	8577	8459	-25.8	-13.3	-37.7	-35.5	275	19.8	21.9
300	9625	9688	9541	-33.5	-22.5	-45.5		272	23.4	25.7
250	10883	10958	10770	-42.4	-31.1	-54.9		267	26.4	28.6
200	12356	12466	12231	-52.9	-41.7	-61.7		262	27.8	29.9
175	13209	13338	13075	-58.8	-46.1	-69.9		263	26.9	28.8
150	14162	14320	14024	-64.9	-51.9	-76.3		262	25.2	26.8
125	15254	15374	15118	-71.3	-52.7	-87.1		264	21.8	23.3
100	16556	16688	16409	-76.4	-62.7	-89.3		265	16.5	18.1
80	17839	18062	17681	-75.7	-60.1	-85.9		269	10.7	13.0
70	18629	18828	18455	-73.0	-57.7	-86.1		271	8.5	11.2
60	19535	19732	19316	-68.5	-51.7	-82.1		279	5.4	8.8
50	20647	20895	20440	-63.1	-44.1	-79.1		275	3.4	7.6
40	22041	22319	21811	-58.5	-44.5	-76.5		250	1.6	6.8
30	23862	24141	23542	-54.2	-37.9	-70.7				
25	25047	25396	24700	-52.1	-41.5	-68.7				
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
584	4610	5130	4150				096	16860	-78.5

NORMALS OF RADIOSONDE DATA

MONTH : APRIL TIME : 1730 IST STATION : BHUBANESWAR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	999	1002	997	32.0	40.6	21.8	21.8	187	6.4	7.1
1000	40	63	20	31.3	38.0	20.4	21.0	185	5.7	6.6
950	484	519	444	28.6	37.8	18.8	18.7	200	7.2	8.3
925	737	752	715	27.6	34.8	20.0	15.8	207	4.9	6.2
900	976	996	959	27.1	36.2	17.0	12.9	223	4.3	6.0
850	1478	1498	1463	24.1	32.4	13.4	8.8	276	3.3	5.2
800	2004	2028	1988	20.2	29.0	10.4	5.1	297	4.4	5.8
750	2537	2574	2509	15.7	23.4	3.0	1.8	304	5.6	6.8
700	3136	3161	3118	11.0	19.0	2.2	-1.6	307	6.5	7.7
650	3738	3766	3709	6.2	18.0	-1.9	-5.2	308	7.4	8.7
600	4399	4427	4373	1.8	13.2	-7.0	-9.4	303	8.0	9.4
550	5097	5142	5047	-2.4	9.6	-12.0	-13.7	296	8.7	10.1
500	5846	5877	5804	-6.7	4.2	-16.1	-18.0	289	9.8	11.2
450	6660	6704	6605	-11.6	-1.5	-21.9	-22.7	285	11.6	13.3
400	7556	7591	7486	-17.4	-7.5	-27.1	-27.2	280	13.8	15.7
350	8543	8581	8455	-24.3	-14.7	-36.7	-32.7	276	16.2	18.2
300	9652	9703	9544	-32.1	-22.3	-45.1	-39.7	272	19.0	21.2
250	10916	10983	10787	-41.3	-30.3	-55.3		267	21.4	23.7
200	12398	12483	12249	-52.2	-39.5	-69.1		263	22.2	24.4
175	13250	13350	13096	-58.2	-44.1	-68.9		261	21.4	23.4
150	14204	14318	14042	-64.6	-50.5	-78.9		260	19.3	21.2
125	15299	15421	15138	-71.2	-59.1	-81.5		262	15.3	17.6
100	16599	16727	16385	-76.7	-65.1	-86.1		267	9.2	12.6
80	17886	18090	17712	-75.8	-59.1	-86.3		276	3.7	9.3
70	18677	18877	18493	-72.7	-55.5	-83.1		294	1.7	7.5
60	19584	19870	19408	-67.9	-45.7	-81.3		335	0.7	6.5
50	20699	20980	20468	-62.2	-43.5	-74.9		067	1.0	5.8
40	22105	22420	21918	-56.8	-36.1	-69.3		106	2.7	5.9
30	23945	24320	23738	-52.2	-36.3	-61.3				
25	25107	25530	24919	-50.3	-36.3	-59.1				
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
576	4720	5180	3960				096	16850	-78.6

NORMALS OF RADIOSONDE DATA

MONTH : MAY TIME : 1730 IST STATION : BHUBANESWAR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	996	1000	994	32.7	43.0	20.0	23.8	187	6.3	7.1
1000	14	43	0							
950	458	513	407	29.3	40.0	21.0	21.1	197	7.2	8.4
925	708	718	692	28.4	38.6	20.2	18.2	210	4.8	6.9
900	951	979	929	27.6	39.0	19.0	16.1	221	4.1	6.4
850	1454	1480	1429	25.0	35.2	13.0	11.3	278	2.9	5.6
800	1982	2004	1956	21.4	31.6	12.0	7.3	309	3.7	5.9
750	2524	2556	2491	17.2	26.4	8.0	3.7	320	4.6	6.5
700	3120	3147	3096	12.6	20.2	3.0	0.0	324	5.6	7.3
650	3726	3767	3693	7.8	18.0	-3.3	-3.4	323	6.3	8.2
600	4391	4430	4359	3.2	12.8	-4.3	-7.2	320	6.7	8.6
550	5097	5148	5029	-0.7	9.4	-11.3	-11.5	313	6.8	8.8
500	5847	5891	5810	-4.6	4.8	-14.0	-15.6	305	7.0	9.0
450	6672	6719	6611	-9.0	0.8	-18.7	-19.6	297	7.2	9.5
400	7573	7620	7525	-14.4	-4.1	-26.9	-23.7	286	7.5	10.1
350	8573	8638	8506	-21.1	-9.3	-35.9	-30.1	277	7.8	10.8
300	9696	9771	9631	-28.9	-18.3	-42.5	-36.7	266	8.5	11.4
250	10975	11066	10898	-38.7	-27.5	-51.7		256	9.2	12.4
200	12472	12573	12373	-50.4	-39.1	-64.7		247	8.5	12.2
175	13332	13444	13217	-57.1	-45.5	-70.5		242	7.3	11.9
150	14289	14415	14165	-64.3	-53.5	-77.0		231	5.6	11.2
125	15382	15530	15251	-71.6	-59.0	-83.3		203	3.1	10.0
100	16679	16847	16497	-77.4	-65.7	-89.0		120	3.2	9.4
80	17963	18129	17762	-76.5	-61.0	-85.9		100	6.3	9.3
70	18751	18943	18515	-72.5	-54.1	-86.3		095	7.4	9.4
60	19663	19829	19453	-67.0	-50.9	-84.3		096	7.3	8.9
50	20772	21006	20547	-60.9	-48.1	-76.9		096	8.0	9.0
40	22179	22389	21828	-56.0	-44.1	-70.3		092	8.8	9.6
30	24030	24482	23613	-51.1	-38.7	-69.5		087	9.0	10.0
25	25219	25436	24972	-48.7	-36.7	-67.7				
20	26694	26948	26462	-46.2	-33.7	-60.9				
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
557	4990	5470	4510				096	16960	-79.4

NORMALS OF RADIOSONDE DATA

MONTH : JUNE TIME : 1730 IST STATION : BHUBANESWAR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	993	995	990	31.3	40.0	23.4	25.0	194	3.9	5.3
1000	16	41	1							
950	430	477	371	28.4	40.0	18.8	22.4	209	4.8	7.4
925	682	698	662	26.7	33.6	20.6	21.5	221	4.9	7.7
900	920	940	897	25.7	37.4	16.4	19.5	241	3.6	7.1
850	1420	1443	1398	22.9	32.2	11.0	16.1	281	3.6	7.1
800	1946	1971	1924	19.8	27.6	11.6	12.6	298	3.9	7.4
750	2494	2530	2457	16.3	23.8	8.8	9.1	304	4.1	7.6
700	3082	3120	3057	12.6	20.0	5.6	5.6	307	3.9	7.9
650	3695	3736	3654	8.8	17.4	1.8	1.7	310	3.7	8.0
600	4358	4407	4329	5.0	13.0	-6.3	-2.2	307	3.4	7.8
550	5074	5150	5025	1.3	8.6	-10.1	-5.9	302	3.2	7.6
500	5826	5882	5797	-2.7	4.0	-13.0	-9.7	299	2.5	7.4
450	6659	6725	6624	-7.0	2.2	-18.0	-14.9	303	1.5	6.9
400	7567	7622	7540	-12.1	-5.9	-22.9	-20.0	340	0.6	6.7
350	8577	8636	8526	-18.5	-9.0	-28.5	-26.1	070	1.4	6.8
300	9713	9773	9657	-26.5	-16.0	-37.3	-33.7	089	3.2	7.2
250	11005	11079	10922	-36.5	-28.3	-48.3	-43.3	092	5.5	8.5
200	12514	12603	12400	-48.9	-38.9	-62.1		090	8.9	11.0
175	13380	13471	13245	-56.2	-46.5	-69.7		088	10.6	12.7
150	14341	14443	14190	-64.2	-53.9	-78.5		084	13.3	15.0
125	15435	15549	15257	-72.3	-60.5	-85.3		083	15.5	17.3
100	16727	16857	16546	-78.6	-68.3	-92.3		084	18.7	19.9
80	18005	18145	17775	-76.8	-59.9	-89.0		086	19.7	20.4
70	18790	18945	18549	-72.7	-54.7	-85.7		089	18.8	19.4
60	19696	19857	19467	-67.0	-50.1	-83.0		092	17.0	17.6
50	20818	20993	20576	-61.4	-46.9	-76.7		092	15.2	16.0
40	22222	22403	21878	-56.6	-44.1	-69.9		092	15.3	16.1
30	24049	24288	23757	-52.4	-39.9	-61.5		089	16.3	16.8
25	25217	25552	24880	-50.0	-36.3	-63.9				
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
534	5310	5730	4800				097	16910	-80.5

NORMALS OF RADIOSONDE DATA

MONTH : JULY TIME : 1730 IST STATION : BHUBANESWAR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	994	998	992	29.2	39.6	24.0	25.3	212	3.3	4.5
1000	11	29	0							
950	436	480	386	26.7	36.0	20.2	22.8	227	4.9	7.0
925	677	689	659	25.6	31.6	20.4	21.5	243	4.7	6.7
900	921	957	900	24.0	33.0	18.0	20.1	252	4.6	7.3
850	1418	1452	1396	21.2	30.2	11.0	17.5	270	4.6	7.6
800	1942	1972	1915	18.4	27.0	13.0	14.6	277	4.5	7.5
750	2492	2524	2455	15.4	22.2	10.0	11.4	277	4.3	7.4
700	3074	3098	3038	12.3	19.4	6.0	7.8	273	3.6	7.1
650	3690	3729	3646	9.1	16.8	-1.3	4.0	270	3.1	7.0
600	4352	4374	4308	5.6	13.4	-5.0	0.2	271	2.3	6.8
550	5072	5105	5012	1.9	9.2	-6.3	-3.6	278	1.4	6.6
500	5824	5857	5772	-2.1	5.2	-14.9	-8.3	329	0.4	6.3
450	6658	6698	6593	-6.4	4.2	-15.1	-13.2	075	1.2	6.2
400	7568	7615	7508	-11.6	-3.3	-21.9	-19.1	082	3.2	6.7
350	8579	8639	8517	-18.1	-8.5	-27.9	-26.0	086	4.9	7.5
300	9715	9786	9642	-26.2	-15.1	-36.9	-33.8	088	7.6	9.3
250	11010	11103	10919	-36.3	-27.1	-48.3	-43.4	085	11.3	12.5
200	12518	12634	12405	-48.9	-38.1	-63.1		081	15.7	16.8
175	13381	13510	13260	-56.3	-44.7	-70.9		080	18.4	19.3
150	14343	14495	14204	-64.4	-52.7	-78.3		079	21.0	21.9
125	15437	15612	15302	-72.7	-60.5	-86.5		079	23.7	24.7
100	16733	16933	16597	-77.9	-61.5	-94.3		081	26.5	27.2
80	18023	18250	17788	-74.0	-52.1	-87.5		085	25.6	26.2
70	18826	19070	18625	-69.8	-51.9	-86.0		087	23.4	23.7
60	19744	19996	19433	-64.9	-51.5	-81.3		089	22.0	22.4
50	20864	21155	20490	-60.3	-46.1	-74.7		092	20.9	21.3
40	22261	22583	21884	-56.8	-43.9	-68.0		091	19.9	20.3
30	24091	24451	23905	-53.2	-38.3	-63.7		088	20.1	20.4
25	25260	25669	24697	-51.4	-39.7	-61.1				
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
526	5420	6060	4990				102	16630	-79.6

NORMALS OF RADIOSONDE DATA

MONTH : AUGUST TIME : 1730 IST STATION : BHUBANESWAR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	994	997	992	28.9	37.0	23.6	25.4	209	2.7	4.2
1000	8	30	0							
950	436	467	381	26.3	34.0	19.0	22.5	227	4.1	7.0
925	688	703	668	25.1	31.0	19.8	21.1	234	3.8	7.0
900	924	947	902	23.5	31.6	17.0	19.9	249	3.6	7.4
850	1422	1446	1401	20.7	29.0	14.0	17.0	266	3.5	7.5
800	1944	1970	1924	17.9	26.8	9.8	14.2	274	3.4	7.5
750	2492	2529	2460	15.0	23.6	6.8	10.9	270	3.2	7.3
700	3075	3109	3052	12.0	21.0	5.0	7.2	265	2.6	7.0
650	3692	3731	3657	8.9	18.4	1.2	3.2	264	2.0	6.8
600	4353	4391	4318	5.5	15.2	-0.9	-0.7	261	1.3	6.6
550	5070	5122	5023	1.8	9.2	-4.9	-4.6	284	0.4	6.3
500	5824	5862	5775	-2.2	5.6	-9.7	-9.1	071	0.6	6.3
450	6658	6697	6603	-6.7	2.6	-15.1	-14.1	078	1.9	6.5
400	7569	7616	7511	-12.0	-5.1	-21.1	-20.0	085	3.2	6.8
350	8579	8636	8510	-18.5	-11.1	-27.1	-26.7	087	4.8	7.7
300	9714	9789	9641	-26.6	-18.7	-36.7	-34.5	090	7.4	9.1
250	11006	11096	10932	-36.8	-25.7	-47.9	-43.6	088	10.5	11.7
200	12510	12615	12427	-49.4	-39.9	-62.7		083	14.7	15.6
175	13373	13489	13271	-56.8	-47.7	-69.0		081	16.8	17.7
150	14335	14462	14221	-64.7	-54.5	-76.1		078	18.5	19.6
125	15422	15567	15292	-73.0	-61.1	-83.3		077	20.8	21.9
100	16709	16860	16566	-77.9	-63.9	-92.1		081	24.1	24.8
80	18005	18162	17868	-73.1	-55.5	-86.1		085	23.8	24.3
70	18811	18972	18659	-69.1	-52.9	-81.7		088	22.3	22.7
60	19734	19886	19590	-64.7	-49.3	-78.0		088	21.1	21.4
50	20858	21014	20676	-60.6	-45.5	-72.1		092	20.3	20.7
40	22259	22420	22036	-57.0	-39.5	-71.7		091	19.5	19.9
30	24080	24328	23876	-53.8	-40.1	-64.7				
25	25240	25658	24975	-51.8	-39.1	-62.9				
20	26699	27002	26229	-50.1	-41.1	-62.9				
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
527	5410	5940	4870				103	16570	-79.5

NORMALS OF RADIOSONDE DATA

MONTH : SEPTEMBER TIME : 1730 IST STATION : BHUBANESWAR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	998	1000	997	29.2	36.0	22.0	25.0	191	1.9	3.4
1000	27	43	1	29.4	34.0	23.4	24.7	187	2.1	3.2
950	467	497	429	26.4	34.6	19.6	21.7	205	2.5	5.6
925	716	735	688	25.0	29.2	19.0	19.4	221	2.0	5.2
900	956	976	933	23.5	34.6	17.8	18.8	229	1.7	5.9
850	1453	1473	1430	20.5	31.4	14.0	15.6	269	1.2	5.8
800	1975	2000	1954	17.6	30.0	11.6	12.1	292	1.4	6.1
750	2515	2544	2488	14.5	28.6	8.6	8.6	297	1.3	6.0
700	3104	3127	3082	11.4	25.4	5.8	4.8	287	1.1	5.9
650	3715	3741	3697	8.1	19.0	0.0	0.9	258	0.7	5.9
600	4377	4399	4352	4.7	12.2	-4.0	-2.8	214	0.6	5.9
550	5089	5134	5052	1.0	9.0	-6.1	-7.2	176	0.7	5.9
500	5843	5871	5812	-3.2	4.2	-10.1	-11.8	141	0.9	5.9
450	6673	6715	6628	-7.8	-0.5	-15.0	-16.7	121	1.2	5.8
400	7578	7620	7533	-13.3	-5.9	-28.9	-22.4	108	1.9	5.7
350	8584	8646	8527	-20.0	-11.3	-29.9	-28.9	105	3.0	6.0
300	9710	9779	9646	-28.3	-19.9	-39.5	-36.0	106	4.5	6.8
250	10994	11079	10916	-38.5	-29.1	-52.1	-45.1	102	6.5	8.3
200	12490	12593	12409	-51.1	-41.3	-64.5		091	8.8	10.5
175	13347	13460	13255	-58.4	-48.5	-75.1		087	10.1	12.0
150	14297	14422	14193	-66.4	-52.1	-82.1		085	11.7	13.3
125	15381	15527	15269	-74.1	-57.9	-87.1		083	13.9	15.1
100	16667	16846	16523	-78.3	-63.3	-88.5		085	16.9	17.6
80	17958	18157	17799	-73.3	-58.1	-87.1		088	17.3	17.7
70	18764	18960	18542	-68.9	-51.3	-82.1		092	15.5	15.9
60	19682	19910	19468	-64.6	-50.7	-78.5		095	14.3	14.7
50	20811	21074	20644	-60.2	-46.7	-77.0		093	14.1	14.5
40	22207	22446	22033	-56.9	-41.7	-70.1		092	14.9	15.4
30	24032	24451	23849	-53.5	-41.9	-66.1				
25	25188	25633	25003	-51.4	-43.3	-63.3				
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
537	5270	5700	4940				104	16470	-79.9

NORMALS OF RADIOSONDE DATA

MONTH : OCTOBER TIME : 1730 IST STATION : BHUBANESWAR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1003	1007	1000	28.7	34.0	22.0	22.6	110	0.8	2.5
1000	70	104	3	28.6	34.0	21.0	21.6	108	0.9	2.4
950	510	553	440	25.4	31.6	18.0	17.9	090	1.5	4.8
925	758	792	669	23.8	29.2	16.6	16.4	075	2.0	4.8
900	996	1030	909	22.2	30.2	15.0	15.0	056	1.7	5.0
850	1490	1523	1399	19.0	27.2	10.0	11.6	034	2.0	5.3
800	2009	2039	1917	15.8	24.0	7.0	7.7	020	2.0	5.5
750	2542	2574	2473	12.8	22.0	4.6	4.2	007	1.6	5.7
700	3130	3160	3046	9.8	17.8	2.0	0.9	327	1.1	5.6
650	3737	3767	3687	6.7	14.4	-1.7	-2.8	285	1.1	5.5
600	4395	4429	4318	3.5	11.0	-3.3	-6.1	262	1.4	5.6
550	5103	5141	5028	-0.2	7.0	-10.0	-9.5	257	1.6	5.8
500	5854	5894	5788	-4.5	3.4	-13.3	-13.9	256	2.0	6.2
450	6676	6717	6619	-9.2	0.0	-17.9	-18.6	252	2.4	6.5
400	7579	7629	7518	-14.9	-6.5	-23.0	-23.8	246	3.2	7.1
350	8575	8618	8501	-21.8	-10.7	-32.0	-30.2	245	4.1	7.8
300	9696	9744	9624	-30.2	-21.1	-41.0	-37.3	240	4.7	8.9
250	10969	11027	10874	-40.3	-28.9	-53.0		235	5.5	10.0
200	12450	12526	12332	-52.6	-42.1	-67.0		225	5.6	10.7
175	13300	13401	13165	-59.6	-49.1	-76.0		219	5.1	10.8
150	14248	14369	14099	-67.2	-55.1	-79.0		204	4.4	10.5
125	15326	15462	15167	-74.6	-61.1	-84.1		183	3.7	10.1
100	16610	16779	16473	-79.0	-64.1	-89.9		130	4.3	9.4
80	17893	18089	17762	-74.4	-57.1	-87.7		103	5.7	8.6
70	18686	18894	18535	-70.0	-53.1	-83.1		100	6.1	8.3
60	19603	19823	19459	-65.9	-48.5	-83.0		097	6.9	8.5
50	20746	21351	20569	-61.5	-46.1	-74.3		095	7.6	8.7
40	22113	22450	21841	-58.0	-47.1	-73.9		093	8.6	9.6
30	23945	24301	23681	-54.4	-41.1	-69.5				
25	25089	25467	24807	-52.8	-41.1	-61.3				
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
553	5060	5390	4400				104	16430	-80.3

NORMALS OF RADIOSONDE DATA

MONTH : NOVEMBER TIME : 1730 IST STATION : BHUBANESWAR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1006	1009	1004	27.1	32.4	17.4	17.6	064	1.1	2.3
1000	100	119	82	26.7	32.2	17.2	17.0	062	1.3	2.6
950	537	567	485	23.4	33.0	14.2	12.7	053	3.0	4.8
925	782	798	763	21.4	27.8	14.4	11.5	050	3.3	4.7
900	1019	1036	1001	19.9	28.6	12.0	10.1	034	3.3	4.9
850	1509	1527	1491	16.5	26.0	10.0	6.8	019	3.1	5.0
800	2023	2044	2002	13.8	23.2	4.0	3.4	003	2.8	5.3
750	2555	2580	2519	11.5	20.0	2.6	-0.2	332	2.6	5.5
700	3138	3161	3113	8.9	20.2	0.8	-2.9	308	2.8	5.9
650	3745	3775	3707	5.9	15.0	-3.7	-5.6	292	3.5	6.4
600	4399	4425	4369	2.6	10.8	-6.3	-9.2	285	4.3	6.8
550	5105	5152	5037	-1.2	7.4	-9.0	-12.6	281	5.3	7.8
500	5852	5890	5808	-5.8	3.8	-12.3	-16.5	277	6.5	9.1
450	6667	6735	6596	-11.0	-0.9	-19.5	-21.1	274	8.4	10.8
400	7565	7620	7504	-17.0	-6.1	-27.1	-26.0	272	10.1	12.4
350	8553	8603	8480	-23.9	-11.7	-35.5	-32.2	268	12.4	14.5
300	9664	9751	9601	-32.2	-21.1	-45.1		261	14.9	16.9
250	10925	11036	10843	-42.0	-30.5	-53.9		253	17.2	19.1
200	12400	12539	12292	-53.9	-43.5	-64.9		246	18.3	20.6
175	13244	13402	13127	-60.6	-48.1	-70.9		245	18.1	20.5
150	14186	14373	14052	-67.6	-54.1	-81.1		244	16.5	18.9
125	15266	15491	15129	-74.3	-62.3	-86.3		248	13.4	15.7
100	16548	16798	16404	-78.6	-61.5	-87.3		249	8.7	11.6
80	17826	18105	17693	-75.7	-53.1	-88.9		258	4.0	8.4
70	18613	18913	18420	-72.0	-54.1	-84.9		257	1.4	7.5
60	19521	19841	19325	-67.4	-52.9	-85.5		356	0.3	6.5
50	20628	20996	20382	-63.0	-48.1	-79.3		077	0.4	6.1
40	22016	22479	21721	-59.3	-47.1	-76.0		102	1.5	6.0
30	23819	24371	23576	-56.1	-42.5	-74.0				
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
566	4860	5240	4430				103	16400	-79.9

NORMALS OF RADIOSONDE DATA

MONTH : DECEMBER TIME : 1730 IST STATION : BHUBANESWAR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1009	1010	1006	25.1	30.6	16.0	12.9	059	0.7	1.7
1000	120	132	100	24.5	30.4	13.8	12.3	059	0.9	2.1
950	554	590	507	21.1	33.0	12.0	8.3	034	1.8	3.7
925	796	804	786	19.1	24.8	10.6	7.9	008	2.0	3.4
900	1031	1042	1013	17.4	29.2	7.8	6.2	003	2.2	3.8
850	1517	1532	1499	14.5	25.0	6.0	2.7	339	3.1	4.5
800	2027	2046	2010	12.6	23.0	4.6	-1.8	326	4.2	5.7
750	2561	2584	2527	10.7	21.2	2.2	-4.8	312	5.0	6.7
700	3138	3164	3118	8.2	18.6	-3.0	-6.8	300	5.8	7.5
650	3745	3773	3723	5.2	15.4	-5.0	-9.8	291	6.8	8.6
600	4396	4424	4367	1.6	10.4	-7.1	-12.1	286	8.2	9.8
550	5096	5135	5040	-2.5	6.8	-11.1	-15.2	282	9.9	11.4
500	5842	5879	5795	-7.1	0.4	-17.7	-19.1	278	11.7	13.3
450	6653	6698	6591	-12.4	-1.1	-21.5	-23.7	273	13.8	15.3
400	7546	7604	7468	-18.6	-9.5	-35.5		272	16.1	17.6
350	8531	8612	8438	-25.7	-15.1	-41.9		269	18.9	20.4
300	9631	9720	9506	-33.9	-22.5	-48.9		266	22.0	23.7
250	10884	10999	10734	-43.4	-31.9	-58.3		261	24.6	26.6
200	12350	12492	12174	-54.6	-41.9	-69.7		255	25.9	28.1
175	13194	13327	13041	-60.7	-48.1	-73.9		253	25.1	27.1
150	14138	14284	13972	-67.0	-55.7	-80.5		254	23.3	25.3
125	15222	15376	15061	-72.9	-61.5	-86.7		255	20.0	21.7
100	16511	16703	16345	-77.7	-66.7	-88.1		259	14.1	16.1
80	17789	17987	17626	-76.3	-65.1	-88.1		265	8.3	11.3
70	18574	18784	18410	-73.2	-58.1	-86.5		269	5.9	9.7
60	19477	19675	19293	-69.1	-53.9	-86.1		284	3.2	7.5
50	20581	20779	20376	-64.7	-49.9	-81.3		297	2.6	7.0
40	21955	22144	21732	-61.0	-44.1	-74.1		332	0.7	7.5
30	23745	24018	23445	-58.0	-45.9	-70.3				
25	24866	25156	24677	-56.8	-45.9	-65.9				
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
580	4670	5040	4120				100	16570	-79.2

NORMALS OF RADIOSONDE DATA

MONTH : JANUARY TIME : 1730 IST STATION : CHENNAI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1010	1012	1009	26.9	32.2	17.0	19.1	056	3.9	4.7
1000	104	122	90	26.1	31.8	17.0	18.7	055	4.8	5.5
950	549	564	535	22.1	30.2	14.0	16.0	056	5.1	5.9
925	784	799	772	20.4	27.4	14.8	14.9	049	5.0	5.7
900	1019	1037	1006	18.9	27.8	12.0	11.5	052	4.8	5.6
850	1508	1527	1495	16.5	26.0	9.0	5.8	053	4.5	5.8
800	2023	2043	2009	14.4	27.0	6.0	0.6	054	3.9	5.8
750	2564	2591	2546	12.4	22.0	5.0	-3.4	053	3.0	5.6
700	3141	3172	3121	10.0	18.8	3.0	-7.6	045	2.0	5.3
650	3752	3789	3728	6.9	15.0	-1.0	-10.6	028	1.3	5.3
600	4405	4448	4380	3.4	11.4	-4.0	-14.4	007	1.0	5.4
550	5105	5153	5072	-0.7	6.0	-9.0	-17.8	339	1.4	5.8
500	5860	5915	5826	-5.2	2.0	-14.0	-22.3	317	1.7	6.5
450	6678	6742	6638	-10.3	-0.3	-20.0	-26.6	290	2.5	7.6
400	7578	7649	7530	-16.0	-8.1	-26.0	-32.5	279	3.8	8.8
350	8569	8650	8515	-22.9	-13.3	-32.0	-38.1	272	6.0	10.3
300	9686	9775	9616	-31.1	-23.3	-40.9	-45.5	256	7.5	11.3
250	10953	11065	10867	-41.1	-31.0	-53.9	-53.5	241	9.3	13.0
200	12432	12571	12323	-52.9	-43.3	-62.1		233	10.2	14.6
175	13283	13431	13156	-59.6	-48.7	-72.0		233	9.9	14.5
150	14233	14396	14091	-66.7	-55.5	-77.5		234	8.6	13.5
125	15317	15497	15178	-73.3	-61.1	-83.0		232	6.0	12.1
100	16600	16813	16441	-78.9	-64.3	-90.0		215	2.6	9.2
80	17878	18112	17705	-76.4	-58.3	-92.0		165	0.9	6.7
70	18666	18924	18473	-72.8	-56.3	-88.0		188	0.5	6.2
60	19576	19824	19349	-68.1	-52.9	-84.0		218	0.9	6.2
50	20688	20931	20438	-63.1	-48.1	-80.0		181	0.6	7.3
40	22110	22365	21729	-58.3	-44.5	-73.0		090	2.0	8.7
30	23958	24221	23597	-53.6	-40.1	-64.5		096	4.0	10.0
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
558	4980	5470	4660				099	16680	-80.3

NORMALS OF RADIOSONDE DATA

MONTH : FEBRUARY TIME : 1730 IST STATION : CHENNAI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1009	1011	1005	28.5	35.0	19.0	20.3	095	3.8	4.8
1000	92	111	60	27.7	33.6	22.2	19.8	093	4.1	5.1
950	541	556	510	23.7	31.0	14.0	15.6	100	3.9	5.4
925	776	790	762	22.2	29.6	15.8	14.7	085	2.9	4.7
900	1012	1030	982	21.2	29.8	10.0	9.9	079	3.0	5.0
850	1505	1525	1476	18.6	27.4	10.0	4.9	061	3.6	5.4
800	2023	2045	1995	15.5	24.4	8.0	1.4	047	3.9	5.8
750	2564	2592	2538	12.7	20.6	5.0	-2.8	037	3.5	5.8
700	3142	3172	3118	10.0	17.2	4.0	-7.8	025	2.4	5.5
650	3753	3787	3724	6.9	16.0	-1.0	-11.6	351	1.6	5.7
600	4407	4445	4380	3.4	11.2	-4.0	-15.3	327	1.7	6.1
550	5106	5151	5075	-0.6	7.0	-8.0	-18.7	315	1.9	6.5
500	5862	5913	5831	-5.1	2.0	-13.0	-23.0	301	2.4	6.9
450	6680	6737	6644	-10.1	-2.3	-20.0	-27.1	288	3.0	7.8
400	7581	7646	7534	-15.7	-7.1	-24.0	-32.5	285	4.4	9.3
350	8573	8658	8520	-22.6	-14.1	-31.0	-38.4	275	6.3	10.8
300	9691	9794	9622	-30.8	-22.1	-40.0	-45.7	261	7.6	11.7
250	10959	11090	10878	-40.8	-29.5	-48.9	-53.3	247	8.9	12.5
200	12440	12604	12341	-52.7	-40.9	-63.0		238	9.2	13.7
175	13289	13475	13179	-59.4	-47.3	-68.0		235	8.7	14.1
150	14240	14446	14115	-66.5	-54.7	-76.7		232	7.4	13.8
125	15322	15574	15178	-73.2	-62.0	-84.1		232	5.3	11.6
100	16605	16873	16459	-79.1	-67.3	-90.0		244	2.6	9.0
80	17873	18170	17677	-77.0	-65.1	-89.0		264	1.6	7.3
70	18659	18969	18447	-73.7	-62.1	-88.0		248	2.2	6.7
60	19558	19886	19353	-69.3	-55.1	-87.0		257	2.9	7.1
50	20663	21018	20440	-64.1	-53.5	-86.0		252	1.9	7.6
40	22067	22433	21778	-59.5	-49.1	-81.0		101	0.8	9.1
30	23898	24445	23429	-55.0	-44.7	-75.0				
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
557	4990	5450	4580				098	16720	-80.6

NORMALS OF RADIOSONDE DATA

MONTH : MARCH TIME : 1730 IST STATION : CHENNAI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1007	1009	1004	30.4	39.0	22.4	21.7	119	3.8	4.5
1000	76	90	49	29.7	38.4	23.0	21.4	118	4.2	5.0
950	528	545	506	26.1	33.8	17.0	16.3	136	4.2	5.4
925	765	776	742	25.4	31.8	18.0	13.1	126	2.8	4.3
900	1004	1017	983	24.2	33.8	16.2	8.4	124	2.4	4.3
850	1502	1517	1483	21.4	30.0	14.0	2.7	085	3.5	5.1
800	2023	2041	2006	18.1	26.2	10.0	-0.3	065	5.1	6.4
750	2569	2592	2554	14.3	22.0	6.0	-2.9	053	5.8	7.2
700	3149	3174	3134	10.5	21.0	3.0	-6.5	045	5.5	7.2
650	3761	3792	3742	6.9	13.8	1.0	-10.9	042	4.1	6.4
600	4414	4449	4391	3.5	10.2	-4.0	-15.6	038	2.5	5.9
550	5114	5154	5086	-0.5	6.8	-9.0	-19.6	028	1.6	6.0
500	5870	5913	5841	-5.0	2.8	-15.0	-23.9	353	1.4	6.3
450	6688	6737	6655	-10.1	-1.0	-17.5	-28.2	315	2.1	7.0
400	7588	7648	7549	-15.9	-6.9	-24.3	-33.4	289	3.6	8.2
350	8580	8653	8531	-22.7	-13.5	-33.1	-39.2	272	5.7	10.1
300	9697	9786	9640	-30.8	-21.9	-41.1	-46.2	259	8.0	11.9
250	10966	11078	10899	-40.5	-29.5	-51.1	-54.0	250	10.1	13.7
200	12450	12604	12372	-52.2	-39.9	-64.5		245	10.7	14.6
175	13300	13461	13214	-58.8	-45.5	-68.7		245	10.2	14.8
150	14252	14423	14149	-65.9	-50.9	-75.5		247	8.7	13.9
125	15334	15542	15220	-72.7	-56.5	-85.0		248	5.6	11.1
100	16618	16846	16491	-78.8	-63.1	-89.5		238	2.0	8.6
80	17891	18187	17738	-76.7	-55.7	-89.0		121	0.6	6.5
70	18679	18950	18516	-73.0	-51.1	-85.0		220	0.4	6.3
60	19584	19896	19411	-68.5	-46.1	-82.0		253	1.2	6.7
50	20695	21015	20498	-63.2	-52.1	-75.0		247	0.9	7.4
40	22088	22424	21839	-58.6	-47.1	-73.0		092	2.2	8.8
30	23934	24238	23466	-53.4	-40.5	-70.0		090	5.4	10.6
25	25097	25440	24500	-51.0	-39.1	-69.0		090	7.7	12.8
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
556	5030	5510	4640				098	16750	-80.5

NORMALS OF RADIOSONDE DATA

MONTH : APRIL TIME : 1730 IST STATION : CHENNAI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1004	1006	1002	32.0	36.8	24.6	24.3	131	4.8	5.2
1000	51	67	30	31.5	36.4	21.6	23.9	131	5.1	5.6
950	507	526	490	28.3	38.0	20.2	19.7	151	5.2	6.1
925	749	764	729	27.2	38.8	20.6	18.2	149	2.7	4.1
900	986	1007	972	26.4	38.6	16.0	13.3	167	1.9	3.9
850	1487	1511	1474	23.5	33.0	14.0	7.1	084	1.2	3.9
800	2013	2039	1999	20.1	29.2	9.8	2.3	062	3.5	5.3
750	2562	2594	2541	16.2	24.6	6.0	-0.8	055	5.5	6.7
700	3146	3178	3127	11.9	18.6	5.0	-3.8	050	6.5	7.6
650	3760	3797	3734	7.6	15.2	1.0	-7.0	046	6.2	7.5
600	4415	4456	4385	3.7	14.0	-3.0	-12.0	047	4.4	6.5
550	5115	5164	5072	-0.1	8.4	-7.3	-16.5	044	2.3	5.8
500	5873	5934	5834	-4.3	4.6	-12.1	-20.3	013	1.1	6.0
450	6694	6765	6646	-9.2	-0.5	-18.1	-24.8	331	1.3	6.6
400	7598	7679	7544	-14.9	-6.1	-26.1	-30.0	297	2.1	7.5
350	8593	8689	8516	-21.7	-12.3	-34.0	-35.9	275	3.7	8.6
300	9716	9830	9638	-29.8	-21.1	-42.9	-43.4	258	5.9	10.1
250	10990	11123	10895	-39.7	-28.7	-55.1	-51.7	244	8.1	11.8
200	12479	12641	12362	-51.5	-40.1	-61.7		235	8.9	12.9
175	13333	13500	13203	-58.2	-46.1	-67.9		233	8.6	12.7
150	14287	14469	14140	-65.6	-52.3	-75.7		233	7.1	11.6
125	15373	15608	15209	-72.6	-55.1	-82.7		230	3.5	9.4
100	16661	16951	16493	-79.0	-59.5	-89.9		128	1.7	7.9
80	17935	18216	17764	-76.7	-61.7	-88.7		090	3.3	7.4
70	18727	19075	18550	-72.9	-59.5	-87.5		087	2.7	6.9
60	19638	19978	19434	-68.0	-53.7	-82.5		099	1.7	6.8
50	20748	21150	20263	-62.6	-46.3	-76.5		100	2.3	7.5
40	22153	22498	21849	-57.9	-45.9	-73.0		096	5.2	9.3
30	24011	24381	23560	-52.2	-41.1	-70.0		092	7.9	11.8
25	25201	25565	24750	-49.6	-38.3	-68.0		089	11.2	14.2
20	26684	27072	26225	-46.6	-36.1	-57.3				
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
551	5100	5780	4550				097	16850	-80.7

NORMALS OF RADIOSONDE DATA

MONTH : MAY TIME : 1730 IST STATION : CHENNAI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1001	1004	999	33.5	43.4	24.0	24.2	132	3.9	5.1
1000	26	53	2	32.8	40.4	24.0	24.2	131	4.3	5.4
950	484	510	465	30.2	41.2	19.6	20.0	152	3.8	6.1
925	728	739	704	29.0	37.6	20.2	18.9	185	1.6	4.5
900	967	992	948	27.8	38.0	17.2	16.1	242	1.4	4.5
850	1470	1495	1453	24.3	34.0	15.0	12.3	297	2.4	4.7
800	1997	2023	1980	20.6	30.2	11.4	8.6	326	2.8	5.5
750	2548	2578	2515	16.5	26.2	7.0	4.4	360	3.0	6.1
700	3133	3166	3108	12.4	21.0	3.0	0.2	023	3.8	6.8
650	3749	3788	3716	8.0	16.4	0.0	-3.6	034	4.5	7.3
600	4405	4448	4372	3.7	14.4	-4.7	-7.4	035	4.3	7.4
550	5105	5153	5061	-0.3	8.2	-10.3	-12.1	029	3.1	6.8
500	5863	5913	5821	-4.1	3.0	-15.9	-16.7	010	2.2	6.5
450	6685	6742	6639	-8.6	-1.1	-22.3	-20.9	358	1.8	6.4
400	7593	7657	7545	-13.9	-5.5	-29.1	-26.3	350	1.4	6.3
350	8592	8664	8529	-20.7	-11.9	-38.5	-32.3	336	0.8	6.0
300	9719	9802	9658	-28.7	-19.5	-39.0	-39.4	197	0.6	6.2
250	11000	11113	10927	-38.6	-28.1	-49.0	-48.7	161	1.8	7.2
200	12494	12635	12401	-50.7	-39.1	-62.9		138	4.0	9.1
175	13353	13504	13252	-57.7	-45.5	-71.0		125	5.6	10.5
150	14309	14479	14190	-65.3	-53.9	-79.0		115	7.9	12.1
125	15393	15597	15251	-72.9	-60.3	-85.0		104	10.3	13.1
100	16681	16915	16500	-79.1	-65.7	-90.5		096	12.3	13.7
80	17953	18210	17721	-76.5	-63.1	-92.0		090	10.4	11.5
70	18746	19031	18486	-72.4	-53.5	-88.0		090	9.0	10.1
60	19657	19916	19372	-67.4	-50.5	-90.0		090	8.0	9.3
50	20788	21068	20459	-61.6	-46.9	-73.5		091	8.6	9.9
40	22234	22523	21808	-56.0	-40.9	-68.1		093	11.2	12.3
30	24080	24462	23621	-50.9	-33.3	-62.1		086	16.1	16.8
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
553	5060	5650	4650				098	16810	-80.7

NORMALS OF RADIOSONDE DATA

MONTH : JUNE TIME : 1730 IST STATION : CHENNAI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1000	1002	999	33.8	41.0	23.6	22.8	188	1.8	5.0
1000	15	33	4	33.2	40.8	24.0	23.0	167	2.1	5.0
950	473	497	461	30.2	39.0	19.8	19.4	227	3.7	6.9
925	716	736	704	28.2	36.2	20.6	18.3	242	4.5	6.5
900	956	980	944	26.9	37.2	18.2	17.0	259	5.8	7.1
850	1457	1484	1444	23.0	32.4	15.8	15.0	270	7.3	8.2
800	1982	2010	1966	18.9	28.0	13.0	12.6	276	8.5	9.2
750	2531	2562	2512	15.0	23.8	9.0	9.3	279	8.9	10.0
700	3113	3143	3094	11.4	19.2	4.0	5.1	280	8.6	10.1
650	3727	3763	3706	7.8	16.0	1.0	0.6	279	7.5	9.8
600	4384	4423	4360	4.0	12.4	-4.1	-3.3	279	6.6	9.2
550	5086	5128	5059	0.2	6.6	-6.1	-7.8	279	5.7	8.3
500	5845	5894	5814	-3.8	5.0	-12.9	-13.1	276	4.7	7.4
450	6669	6726	6632	-8.3	-1.5	-18.0	-18.1	278	3.4	6.5
400	7577	7640	7533	-13.6	-5.5	-23.3	-23.7	280	1.8	5.8
350	8579	8655	8525	-20.1	-12.9	-30.7	-29.7	037	0.4	5.5
300	9708	9798	9637	-28.1	-20.1	-39.1	-37.4	086	3.3	6.4
250	10993	11100	10910	-38.0	-29.1	-52.1	-46.7	088	8.6	10.2
200	12491	12629	12401	-50.1	-40.5	-65.9		085	15.8	16.7
175	13351	13495	13239	-57.2	-46.9	-74.7		084	19.9	20.8
150	14310	14464	14185	-65.0	-53.5	-77.0		083	24.6	25.4
125	15397	15583	15240	-72.8	-58.1	-84.0		084	28.9	29.8
100	16689	16900	16504	-78.7	-59.9	-92.1		088	27.8	28.4
80	17968	18189	17737	-74.7	-62.5	-88.0		085	20.4	21.0
70	18765	19015	18509	-70.9	-57.1	-90.0		083	17.4	18.0
60	19680	19926	19415	-66.5	-47.1	-82.0		086	15.6	16.1
50	20791	21079	20455	-61.8	-45.5	-75.0		090	14.6	15.2
40	22198	22546	21840	-56.9	-40.1	-67.7		089	16.6	17.1
30	24039	24386	23648	-52.0	-40.5	-62.3		088	20.5	20.9
25	25232	25570	24814	-49.5	-37.1	-60.3				
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
547	5120	5610	4840				100	16680	-80.2

NORMALS OF RADIOSONDE DATA

MONTH : JULY TIME : 1730 IST STATION : CHENNAI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1001	1002	999	32.5	39.0	24.0	23.0	185	1.4	4.2
1000	23	40	10	32.0	39.0	24.8	23.0	161	1.6	4.1
950	478	491	467	28.9	36.2	19.8	19.4	236	3.2	6.1
925	718	724	710	27.1	33.4	21.2	18.3	251	5.2	6.5
900	959	974	948	25.4	32.8	16.6	17.2	263	5.9	7.1
850	1459	1478	1446	21.7	29.4	13.2	15.1	273	7.8	8.5
800	1981	2004	1966	17.8	25.4	10.6	12.8	277	9.3	9.8
750	2527	2554	2508	14.2	21.4	8.0	9.7	278	10.3	10.9
700	3109	3140	3087	10.8	17.0	5.0	5.7	278	9.9	10.6
650	3723	3756	3696	7.4	13.2	1.8	1.4	276	8.9	9.7
600	4378	4415	4349	3.9	10.0	-5.0	-2.8	273	7.9	9.1
550	5080	5120	5048	0.2	8.2	-7.3	-7.4	271	6.8	8.3
500	5840	5884	5808	-3.8	1.2	-10.9	-12.4	269	5.5	7.5
450	6663	6711	6626	-8.5	-1.3	-16.1	-17.9	261	3.7	6.7
400	7571	7628	7526	-13.9	-5.9	-21.1	-23.5	248	1.3	6.2
350	8571	8633	8516	-20.7	-12.1	-28.5	-29.3	096	1.5	6.5
300	9698	9769	9630	-28.7	-19.5	-38.0	-37.1	089	5.6	8.1
250	10977	11059	10894	-38.6	-26.3	-49.0	-46.7	087	11.9	13.1
200	12472	12578	12369	-50.7	-39.9	-61.7	-56.5	083	20.5	21.2
175	13329	13444	13216	-57.8	-46.9	-73.7		081	25.2	25.9
150	14286	14408	14158	-65.6	-50.9	-77.3		080	30.1	30.7
125	15371	15519	15222	-73.3	-60.0	-87.0		082	34.9	35.5
100	16661	16818	16489	-77.7	-61.9	-90.1		086	33.1	33.8
80	17956	18141	17758	-72.0	-58.1	-88.0		085	24.2	24.6
70	18759	18939	18548	-68.3	-51.5	-81.1		085	21.3	21.6
60	19681	19879	19425	-64.7	-48.1	-76.1		086	19.7	20.0
50	20810	21062	20536	-60.9	-44.1	-72.3		089	19.6	19.9
40	22226	22495	21848	-56.5	-39.9	-70.0		089	20.2	20.4
30	24065	24389	23601	-51.9	-38.5	-66.0		089	22.2	22.5
25	25236	25512	24849	-49.6	-38.9	-59.3				
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
547	5110	5510	4830				105	16390	-79.4

NORMALS OF RADIOSONDE DATA

MONTH : AUGUST TIME : 1730 IST STATION : CHENNAI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1001	1003	999	32.0	38.0	23.8	23.3	208	1.1	3.9
1000	27	38	4	31.6	37.8	23.8	23.3	181	1.1	3.9
950	483	499	459	28.6	36.2	19.2	19.6	247	3.3	5.8
925	726	738	718	26.2	32.8	18.2	18.3	256	4.3	5.9
900	963	981	938	25.1	32.2	17.2	17.3	269	5.8	6.8
850	1462	1484	1435	21.3	28.0	14.0	15.2	277	7.7	8.3
800	1984	2010	1955	17.5	25.0	11.4	12.7	280	9.1	9.6
750	2530	2561	2498	14.0	22.4	7.2	9.5	282	9.9	10.6
700	3111	3143	3075	10.8	18.4	5.0	5.5	281	9.8	10.5
650	3725	3759	3686	7.5	15.0	0.6	1.1	278	8.8	9.7
600	4381	4417	4341	4.1	11.2	-3.0	-3.1	276	7.8	9.0
550	5083	5122	5042	0.4	7.6	-7.0	-7.8	274	6.5	8.2
500	5844	5885	5804	-3.6	4.0	-10.0	-13.0	271	5.1	7.3
450	6668	6715	6622	-8.2	-0.3	-15.3	-18.1	265	3.3	6.4
400	7577	7635	7519	-13.7	-5.7	-20.5	-23.8	255	1.3	5.9
350	8578	8643	8512	-20.5	-12.7	-28.9	-30.0	108	1.8	6.2
300	9705	9781	9623	-28.7	-19.1	-38.5	-37.9	096	6.1	8.2
250	10985	11074	10891	-38.6	-26.7	-49.0	-47.1	090	12.5	13.5
200	12480	12597	12373	-50.8	-40.3	-62.7	-57.3	085	20.2	20.8
175	13336	13472	13224	-57.8	-47.5	-70.9		082	24.3	25.0
150	14290	14458	14173	-65.7	-54.5	-78.0		082	28.6	29.2
125	15376	15593	15245	-73.4	-61.1	-85.5		083	32.6	33.2
100	16666	16909	16520	-77.3	-65.0	-90.0		085	30.6	31.1
80	17968	18211	17793	-71.1	-58.3	-87.0		086	22.8	23.2
70	18775	19041	18555	-67.5	-54.1	-83.0		086	20.0	20.4
60	19704	19973	19275	-64.5	-44.9	-80.0		087	19.1	19.5
50	20834	21099	20316	-60.9	-43.9	-76.0		088	19.7	20.1
40	22265	22815	21922	-56.6	-41.5	-67.0		090	21.0	21.4
30	24119	24773	23688	-52.3	-37.1	-62.3				
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
545	5160	5600	4760				106	16350	-79.3

NORMALS OF RADIOSONDE DATA

MONTH : SEPTEMBER TIME : 1730 IST STATION : CHENNAI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1003	1004	1002	31.0	37.0	22.6	23.8	127	1.5	3.8
1000	39	54	27	30.7	36.4	23.0	23.5	124	1.6	3.9
950	492	512	479	27.5	34.8	19.2	19.8	195	1.1	4.9
925	733	749	720	25.5	31.0	18.6	17.5	254	2.1	4.7
900	971	990	958	24.2	33.0	16.8	17.1	273	2.6	4.9
850	1469	1490	1451	20.8	32.2	10.0	14.5	285	4.0	5.9
800	1991	2011	1969	17.3	25.2	9.6	11.5	289	4.9	6.7
750	2536	2563	2511	14.0	21.8	8.0	7.9	288	4.9	6.9
700	3116	3146	3088	10.6	18.0	5.0	3.8	287	4.7	6.8
650	3730	3765	3695	7.4	16.0	0.0	-0.8	284	4.0	6.5
600	4386	4424	4353	3.9	10.2	-2.0	-4.9	280	2.9	6.0
550	5088	5132	5041	0.2	6.0	-7.0	-9.6	279	2.0	5.7
500	5847	5893	5808	-3.9	4.0	-14.0	-14.5	282	0.9	5.3
450	6670	6722	6628	-8.6	-1.0	-18.0	-19.4	098	0.3	5.3
400	7577	7632	7529	-14.1	-5.0	-21.0	-25.2	099	1.7	5.6
350	8577	8639	8517	-20.9	-13.7	-31.0	-31.3	097	3.7	6.3
300	9703	9771	9635	-29.1	-21.3	-40.9	-39.2	096	6.4	7.8
250	10982	11056	10907	-39.2	-30.0	-51.0	-48.6	092	10.7	11.5
200	12470	12561	12389	-51.5	-42.5	-66.0		089	15.9	16.6
175	13325	13423	13238	-58.6	-49.5	-71.0		087	19.2	19.9
150	14277	14387	14181	-66.4	-57.5	-77.7		086	22.6	23.4
125	15356	15495	15237	-73.9	-65.1	-83.9		086	25.3	25.9
100	16639	16792	16503	-77.7	-66.0	-90.0		089	22.7	23.1
80	17932	18108	17820	-72.3	-58.9	-86.0		085	16.6	17.1
70	18736	18922	18604	-69.0	-55.5	-83.0		085	15.3	15.6
60	19658	19847	19430	-65.6	-52.9	-79.0		088	15.5	16.0
50	20780	21043	20466	-61.6	-45.1	-74.0		091	15.7	16.1
40	22181	22415	21804	-57.5	-41.3	-74.0		091	17.0	17.5
30	24011	24321	23757	-53.1	-38.1	-66.5		089	18.1	18.8
25	25169	25500	24909	-51.4	-42.1	-61.1				
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
547	5120	5470	4790				106	16290	-79.5

NORMALS OF RADIOSONDE DATA

MONTH : OCTOBER TIME : 1730 IST STATION : CHENNAI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1005	1009	1003	29.3	35.0	23.0	23.6	063	2.0	3.9
1000	60	94	37	29.0	34.0	23.0	23.2	063	2.4	4.2
950	511	550	484	25.8	34.8	15.2	19.5	051	2.5	5.4
925	749	785	735	23.7	29.6	17.0	17.0	025	2.2	5.2
900	987	1024	961	22.6	31.2	13.0	16.2	021	2.4	5.4
850	1483	1521	1455	19.6	28.0	10.8	12.7	008	2.7	5.9
800	2003	2041	1973	16.5	25.0	8.2	9.3	001	2.7	6.0
750	2547	2588	2515	13.4	22.6	5.6	5.9	360	2.3	5.9
700	3126	3167	3094	10.3	18.8	2.8	2.2	002	1.8	5.8
650	3739	3781	3696	7.1	15.0	-0.3	-1.8	009	1.0	5.6
600	4394	4436	4354	3.7	9.8	-6.0	-5.7	040	0.6	5.4
550	5095	5139	5049	-0.1	6.4	-7.9	-9.5	085	0.9	5.3
500	5855	5904	5810	-4.2	2.0	-12.3	-14.1	092	1.4	5.3
450	6678	6733	6634	-8.9	-1.9	-17.3	-19.0	097	1.9	5.4
400	7583	7646	7529	-14.4	-5.5	-23.3	-25.0	101	2.4	5.6
350	8581	8654	8518	-21.3	-9.9	-30.1	-31.4	103	2.9	5.9
300	9705	9786	9626	-29.6	-18.1	-38.0	-39.4	105	4.1	6.5
250	10980	11073	10890	-39.9	-28.5	-50.0	-48.9	106	5.7	7.9
200	12466	12572	12366	-52.2	-41.5	-62.0		103	8.2	10.8
175	13319	13431	13213	-59.3	-48.1	-71.0		102	9.8	12.5
150	14267	14397	14147	-67.1	-56.7	-79.0		101	11.8	14.4
125	15344	15508	15195	-74.3	-59.1	-85.5		100	13.0	15.0
100	16624	16808	16452	-78.7	-69.1	-90.0		096	11.5	12.9
80	17912	18111	17706	-74.0	-60.7	-89.0		090	9.5	10.7
70	18708	18921	18478	-70.1	-58.1	-86.0		092	8.7	9.8
60	19626	19855	19391	-66.3	-52.3	-84.0		091	9.3	10.2
50	20755	20988	20510	-62.2	-47.5	-82.0		090	10.3	11.2
40	22175	22440	21914	-58.0	-43.1	-76.0		093	11.9	12.9
30	23992	24319	23583	-54.2	-41.1	-70.0		091	14.6	15.7
25	25168	25519	24900	-51.8	-36.5	-60.3				
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
551	5080	5520	4700				104	16410	-80.3

NORMALS OF RADIOSONDE DATA

MONTH : NOVEMBER TIME : 1730 IST STATION : CHENNAI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1008	1010	1006	27.5	33.6	20.0	21.9	031	3.9	5.0
1000	82	104	64	27.0	32.8	20.0	21.4	033	4.6	5.7
950	530	548	511	23.6	30.4	16.0	18.0	036	5.8	7.4
925	764	776	755	21.6	27.6	16.0	16.0	040	6.0	7.3
900	1002	1018	988	20.4	28.8	10.0	14.7	038	5.7	7.6
850	1494	1512	1478	17.7	29.4	10.0	10.8	041	5.3	7.4
800	2010	2031	1990	15.1	23.0	9.0	7.1	045	4.4	6.8
750	2552	2576	2526	12.7	20.4	6.0	3.8	053	3.6	6.4
700	3130	3160	3103	9.9	19.4	2.0	0.3	061	3.0	6.1
650	3742	3775	3714	6.8	15.4	-3.0	-3.2	070	2.6	5.9
600	4396	4434	4364	3.4	11.6	-4.3	-7.5	075	2.8	5.9
550	5096	5141	5057	-0.3	7.0	-11.0	-11.2	078	3.1	6.2
500	5854	5907	5813	-4.6	4.0	-14.1	-15.8	076	3.4	6.6
450	6675	6735	6626	-9.4	-2.1	-18.3	-20.4	075	3.4	7.1
400	7579	7648	7519	-14.9	-7.1	-22.7	-26.2	076	2.9	7.2
350	8574	8661	8502	-21.8	-13.1	-29.5	-32.5	091	2.1	6.8
300	9696	9797	9607	-30.0	-21.3	-38.7	-40.2	134	2.0	6.7
250	10968	11090	10866	-40.3	-31.5	-48.1	-49.6	153	4.2	8.1
200	12452	12602	12333	-52.6	-43.0	-62.5		155	6.5	10.2
175	13303	13467	13168	-59.7	-49.0	-70.0		154	6.8	10.9
150	14251	14434	14108	-67.3	-56.0	-78.0		149	6.4	10.7
125	15325	15530	15176	-74.4	-64.1	-88.0		134	5.3	9.4
100	16605	16836	16442	-79.9	-68.5	-89.1		111	5.4	8.4
80	17878	18141	17695	-75.9	-61.1	-88.0		096	5.4	7.6
70	18672	18951	18462	-72.1	-56.3	-89.0		094	4.4	7.0
60	19582	19871	19373	-67.8	-53.1	-80.0		094	4.2	7.1
50	20701	21004	20466	-63.1	-50.5	-76.0		095	5.4	8.3
40	22088	22370	21828	-59.3	-45.1	-72.0		095	6.8	9.8
30	23908	24234	23615	-55.0	-42.9	-66.0		090	9.2	12.5
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
555	5020	5590	4610				101	16540	-81.3

NORMALS OF RADIOSONDE DATA

MONTH : DECEMBER TIME : 1730 IST STATION : CHENNAI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1010	1012	1008	26.6	30.0	20.6	19.9	036	4.6	5.3
1000	102	123	83	25.9	29.0	20.0	19.6	036	5.7	6.4
950	548	571	529	22.3	31.0	17.0	17.1	041	6.9	7.7
925	783	795	775	20.1	28.8	15.6	15.6	039	6.6	7.4
900	1017	1040	998	19.0	28.4	12.0	14.0	044	6.6	7.5
850	1506	1532	1487	16.4	26.0	8.0	9.0	051	5.8	7.0
800	2021	2051	2003	14.5	23.8	7.0	4.2	059	4.9	6.5
750	2562	2595	2539	12.4	20.2	4.4	0.6	066	4.2	6.2
700	3140	3176	3116	10.0	19.0	4.0	-3.3	069	3.8	6.0
650	3751	3791	3723	6.9	14.0	0.0	-6.6	068	3.5	5.9
600	4405	4450	4380	3.4	10.2	-5.0	-10.2	065	3.2	5.8
550	5105	5157	5065	-0.6	5.6	-6.9	-13.9	066	2.9	6.0
500	5861	5921	5827	-5.0	1.2	-11.1	-18.5	066	2.6	6.4
450	6680	6750	6635	-9.9	-3.3	-18.0	-23.3	054	1.8	6.9
400	7581	7666	7537	-15.7	-6.9	-23.0	-28.7	002	0.5	7.5
350	8574	8672	8523	-22.5	-14.0	-30.0	-34.9	266	1.9	8.4
300	9691	9821	9628	-30.7	-22.0	-39.5	-41.9	243	4.1	9.7
250	10961	11123	10894	-40.8	-32.5	-50.9	-50.8	219	6.9	11.7
200	12441	12652	12356	-52.9	-43.5	-63.1		211	8.9	13.7
175	13288	13532	13200	-59.7	-50.5	-68.7		212	9.1	14.1
150	14235	14509	14132	-67.0	-56.1	-75.9		217	8.1	13.3
125	15312	15641	15196	-73.6	-62.1	-88.0		220	6.0	11.4
100	16595	16960	16460	-79.3	-68.1	-89.7		184	2.4	8.9
80	17862	18069	17717	-76.7	-64.7	-89.0		103	3.2	8.0
70	18647	18854	18500	-73.1	-59.3	-89.0		098	2.6	6.6
60	19554	19778	19378	-68.7	-56.1	-82.0		106	1.7	6.5
50	20663	20881	20454	-63.8	-50.9	-78.0		106	1.6	7.3
40	22060	22230	21738	-59.4	-47.5	-74.0		097	2.9	8.1
30	23888	24104	23481	-54.6	-41.7	-68.7		090	5.5	9.5
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
557	5000	5540	4640				099	16660	-80.8

NORMALS OF RADIOSONDE DATA

MONTH : JANUARY TIME : 1730 IST STATION : GOA

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1004	1006	1002	28.8	33.4	20.0	18.6	280	3.2	4.0
1000	93	109	78	28.4	33.0	21.0	17.9	279	3.5	4.3
950	535	556	496	24.8	32.2	18.0	10.6	286	2.0	4.2
925	775	788	761	24.0	31.2	18.6	9.9	017	0.9	3.3
900	1015	1034	1001	22.0	30.6	13.0	7.3	077	1.4	4.0
850	1508	1528	1493	18.4	28.0	9.0	4.6	084	3.6	5.4
800	2023	2045	2005	14.9	24.0	7.0	0.4	084	4.4	6.6
750	2563	2588	2525	12.0	20.2	3.0	-5.3	074	3.6	6.5
700	3140	3165	3108	9.6	18.2	1.0	-10.5	044	2.0	6.0
650	3751	3776	3723	6.5	19.0	0.0	-13.9	338	1.7	6.3
600	4401	4431	4359	2.8	11.0	-4.0		304	2.6	6.8
550	5099	5136	5041	-1.3	7.0	-9.0		292	4.0	7.6
500	5853	5897	5796	-5.9	2.2	-14.1		286	5.3	8.7
450	6667	6721	6593	-11.1	-3.9	-20.3		279	7.2	10.4
400	7565	7624	7498	-16.9	-7.9	-27.7		279	9.5	12.5
350	8555	8616	8484	-23.7	-14.5	-34.1		275	12.6	15.2
300	9665	9750	9579	-31.8	-22.1	-42.7		268	14.7	17.1
250	10928	11043	10828	-41.7	-28.1	-53.3		262	15.9	18.6
200	12404	12556	12266	-53.4	-42.0	-63.3		258	16.3	19.4
175	13257	13421	13036	-59.8	-50.5	-69.5		257	15.2	18.2
150	14205	14382	13971	-66.6	-57.1	-79.0		258	13.5	16.8
125	15295	15485	15050	-72.6	-61.1	-83.1		257	9.8	13.8
100	16592	16812	16306	-77.2	-59.5	-95.1		261	5.1	10.0
80	17877	18123	17547	-76.4	-61.9	-87.9		267	2.4	7.9
70	18654	18919	18405	-73.3	-57.5	-89.1		252	1.3	6.8
60	19564	19860	19325	-68.7	-54.5	-86.3		248	1.4	7.0
50	20669	21000	20402	-63.6	-43.9	-76.0		223	0.4	7.4
40	22061	22514	21759	-59.0	-45.1	-70.3		111	1.9	8.2
30	23882	24296	23554	-54.8	-44.3	-63.9				
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
565	4890	5300	4380				097	16820	-79.1

NORMALS OF RADIOSONDE DATA

MONTH : FEBRUARY TIME : 1730 IST STATION : GOA

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1003	1005	1002	29.0	34.6	20.0	19.4	288	4.0	4.7
1000	89	106	73	28.4	33.4	23.0	18.8	288	4.2	4.9
950	531	555	487	24.9	34.0	16.0	10.5	286	4.0	5.1
925	770	783	752	24.4	33.8	14.8	7.7	291	2.1	3.9
900	1011	1033	992	23.0	33.0	14.6	5.8	298	1.1	4.0
850	1506	1530	1485	19.7	29.0	9.0	3.1	095	1.0	4.6
800	2023	2050	1999	16.0	23.8	8.2	0.1	107	2.1	5.8
750	2564	2595	2503	12.2	21.0	5.0	-3.5	093	2.2	6.9
700	3141	3171	3105	9.0	18.4	1.0	-9.4	044	1.3	6.9
650	3752	3785	3705	6.0	14.8	-4.0	-14.4	321	2.2	7.0
600	4401	4440	4351	2.5	10.8	-6.0	-17.9	299	3.6	7.5
550	5097	5142	5010	-1.5	6.0	-11.0		290	4.8	8.2
500	5851	5901	5783	-6.2	2.6	-15.0		286	6.4	9.4
450	6666	6723	6571	-11.4	-2.7	-22.0		283	8.0	11.1
400	7562	7627	7472	-17.2	-7.1	-26.5		279	10.4	13.4
350	8549	8615	8439	-23.9	-11.1	-33.0		276	13.2	16.1
300	9661	9756	9544	-31.8	-20.3	-41.1		269	15.3	18.1
250	10927	11047	10793	-41.4	-30.0	-50.9		263	16.7	19.5
200	12406	12570	12245	-53.0	-43.1	-64.7		263	16.5	19.6
175	13263	13440	13061	-59.4	-48.9	-70.9		264	14.9	18.2
150	14214	14418	14021	-66.0	-55.5	-77.9		265	13.1	16.8
125	15305	15540	15053	-72.2	-55.1	-87.3		266	10.4	14.2
100	16597	16854	16336	-77.0	-63.1	-88.7		273	6.2	10.9
80	17880	18176	17478	-76.0	-59.1	-87.1		282	3.2	9.1
70	18659	18962	18231	-72.8	-52.1	-83.5		268	2.8	8.3
60	19563	19902	19078	-68.2	-54.9	-79.1		265	2.7	7.0
50	20664	21029	20161	-63.5	-47.9	-74.3		260	1.4	7.2
40	22056	22378	21782	-59.1	-45.3	-71.1				
30										
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
570	4830	5280	4210				099	16690	-78.6

NORMALS OF RADIOSONDE DATA

MONTH : MARCH TIME : 1730 IST STATION : GOA

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1002	1004	999	29.8	32.4	25.8	21.9	286	4.3	5.0
1000	79	92	48	29.3	32.6	24.8	21.4	285	4.6	5.3
950	523	541	491	25.7	33.2	16.0	14.2	288	4.5	5.6
925	763	777	738	26.0	32.0	20.6	12.8	287	2.8	4.2
900	1005	1022	980	25.0	35.4	14.8	7.4	302	2.3	4.3
850	1503	1524	1481	22.6	33.4	11.8	3.4	338	1.1	4.2
800	2027	2051	2006	18.9	30.0	8.6	1.8	072	1.6	4.9
750	2572	2602	2527	14.6	25.0	6.6	-0.3	089	3.3	6.2
700	3153	3185	3125	10.2	20.0	2.6	-4.0	087	3.9	6.7
650	3766	3799	3721	6.3	16.4	-3.1	-10.0	074	2.9	6.5
600	4416	4458	4378	3.0	14.8	-4.7	-15.1	026	1.5	6.4
550	5115	5161	5039	-1.0	9.0	-12.0	-20.4	321	1.9	6.7
500	5869	5921	5816	-5.6	4.0	-15.3		297	3.2	7.5
450	6686	6755	6600	-10.9	-0.7	-21.9		286	5.0	8.8
400	7583	7670	7500	-16.9	-6.9	-28.9		283	7.2	10.7
350	8575	8680	8474	-23.7	-14.1	-35.1		278	10.3	13.6
300	9684	9812	9565	-31.6	-19.9	-44.0		271	13.0	16.0
250	10950	11110	10800	-41.0	-29.9	-53.7		267	15.1	18.3
200	12429	12623	12257	-52.4	-41.3	-66.5		264	15.0	18.0
175	13289	13489	13095	-58.5	-49.1	-71.7		264	14.1	17.5
150	14247	14474	14051	-65.1	-54.5	-74.7		265	12.4	15.8
125	15342	15594	15188	-71.7	-59.9	-82.9		266	9.5	13.5
100	16640	16947	16441	-76.7	-65.5	-89.0		271	5.5	10.5
80	17923	18234	17673	-75.9	-62.1	-86.7		273	2.4	7.6
70	18700	19015	18440	-72.8	-56.1	-82.7		271	1.9	7.2
60	19611	19921	19473	-68.6	-52.0	-80.1		253	2.6	7.0
50	20717	21108	20504	-63.8	-46.7	-79.0		252	1.5	7.4
40	22100	22587	21891	-58.9	-40.1	-74.1		079	0.9	7.7
30	23898	24415	23596	-54.7	-38.5	-73.9				
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
563	4950	5750	4370				097	16850	-78.5

NORMALS OF RADIOSONDE DATA

MONTH : APRIL TIME : 1730 IST STATION : GOA

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1001	1002	999	30.6	35.0	25.0	23.5	288	4.7	5.5
1000	66	78	48	30.2	33.4	21.0	23.1	288	4.8	5.7
950	512	530	458	26.1	34.0	18.8	18.5	292	5.3	6.2
925	754	764	735	26.0	34.6	20.0	16.2	302	4.2	5.2
900	994	1007	975	25.3	32.6	17.0	12.5	312	3.0	4.6
850	1495	1512	1474	23.8	31.8	17.0	6.6	347	2.5	4.5
800	2020	2043	1995	20.7	30.0	14.0	3.2	019	2.2	4.7
750	2570	2601	2522	16.5	24.4	9.0	1.4	065	2.6	5.2
700	3155	3188	3120	11.8	19.6	3.0	-0.9	085	3.6	5.9
650	3770	3808	3729	7.1	16.0	-2.0	-5.1	090	4.0	6.2
600	4422	4467	4364	3.1	10.2	-5.0	-10.6	083	3.0	5.9
550	5121	5172	5047	-0.7	8.2	-9.0	-16.7	059	1.5	5.6
500	5878	5934	5791	-4.9	4.4	-14.9	-21.8	327	1.1	6.1
450	6698	6760	6564	-9.9	-1.9	-25.7	-26.0	295	2.3	7.1
400	7599	7665	7491	-15.9	-8.1	-33.1		282	4.5	9.0
350	8592	8671	8443	-22.8	-13.7	-38.5		275	7.2	11.3
300	9708	9805	9576	-30.8	-20.9	-42.9		267	10.1	13.9
250	10978	11096	10814	-40.3	-29.9	-49.1		261	12.4	16.1
200	12466	12608	12275	-51.5	-40.5	-62.1		253	13.1	16.5
175	13325	13477	13197	-57.9	-46.5	-68.1		253	12.1	15.7
150	14281	14459	14132	-64.6	-53.7	-74.3		254	10.3	14.2
125	15381	15575	15189	-71.4	-59.1	-81.1		252	6.3	11.2
100	16676	16889	16446	-76.9	-63.5	-89.1		213	1.9	9.4
80	17960	18212	17706	-76.0	-57.1	-87.7		101	1.6	8.6
70	18740	18999	18462	-72.7	-56.1	-84.3		097	2.2	7.3
60	19655	19971	19336	-68.0	-51.5	-82.1		076	1.5	6.3
50	20771	21123	20398	-62.5	-47.7	-78.5		065	0.6	6.0
40	22159	22537	21728	-57.3	-43.7	-75.1		094	2.5	6.9
30	24000	24375	23492	-52.3	-37.7	-66.9				
25	25146	25628	24600	-50.1	-36.7	-62.7				
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
559	5010	5600	4360				096	16960	-78.6

NORMALS OF RADIOSONDE DATA

MONTH : MAY TIME : 1730 IST STATION : GOA

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1000	1001	998	31.1	34.2	23.6	24.2	289	4.9	5.8
1000	57	72	46	30.8	33.8	25.0	23.8	290	5.3	6.1
950	503	522	457	26.2	35.2	18.2	20.4	292	6.3	7.2
925	746	754	735	25.1	32.6	19.6	18.9	296	5.1	6.2
900	985	998	972	24.2	33.2	16.6	15.8	305	4.6	6.0
850	1484	1496	1469	22.2	30.8	10.0	10.6	332	3.4	5.4
800	2008	2026	1990	20.0	29.2	11.6	5.1	347	3.1	5.8
750	2557	2584	2504	16.6	27.0	8.6	2.3	012	2.3	5.9
700	3143	3174	3112	12.4	21.2	4.0	-0.4	057	2.2	6.0
650	3760	3796	3727	8.0	17.4	-1.0	-3.9	080	2.9	6.1
600	4414	4457	4358	3.6	13.8	-4.3	-8.1	080	3.1	6.3
550	5115	5163	5045	-0.3	10.6	-7.0	-12.7	065	2.9	6.2
500	5872	5922	5780	-4.3	7.2	-11.0	-16.7	049	3.0	6.7
450	6695	6750	6575	-8.7	1.4	-16.0	-20.9	045	2.3	7.1
400	7600	7662	7472	-14.2	-5.1	-23.0	-25.4	020	1.2	7.4
350	8600	8677	8448	-20.8	-12.3	-30.1	-31.5	297	1.0	7.8
300	9725	9818	9543	-28.7	-18.7	-39.5		261	1.8	8.1
250	11006	11124	10806	-38.4	-28.5	-50.5		239	2.7	8.6
200	12504	12636	12281	-50.4	-40.3	-68.0		198	3.1	9.7
175	13366	13507	13122	-57.2	-46.5	-69.1		172	3.6	10.3
150	14328	14489	14091	-64.5	-53.5	-77.0		140	5.1	11.2
125	15427	15600	15225	-71.9	-61.3	-85.0		116	7.5	12.1
100	16720	16917	16485	-77.2	-65.1	-88.7		103	9.7	12.4
80	17999	18246	17713	-76.1	-59.9	-87.0		096	9.8	11.3
70	18784	19073	18318	-72.3	-53.9	-84.7		095	8.2	9.5
60	19701	20014	19246	-67.2	-52.7	-80.7		100	7.3	8.9
50	20809	21134	20361	-61.7	-41.7	-76.7		102	6.4	8.1
40	22202	22650	22008	-57.3	-39.3	-71.9		097	7.9	9.1
30	24029	24506	23840	-52.4	-38.5	-68.1				
25	25186	25616	25025	-50.2	-38.5	-64.5				
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
554	5060	5780	4370				096	16980	-78.8

NORMALS OF RADIOSONDE DATA

MONTH : JUNE TIME : 1730 IST STATION : GOA

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	998	1000	996	28.3	33.6	23.0	24.7	261	4.6	6.1
1000	46	57	32	28.6	33.2	23.2	24.5	263	4.9	6.2
950	491	518	449	25.0	31.2	17.2	21.7	267	7.1	8.7
925	730	744	717	23.6	29.2	18.0	20.5	272	7.5	8.6
900	971	984	962	22.1	30.0	14.4	18.6	272	8.4	9.8
850	1466	1482	1456	19.3	30.0	11.6	15.2	274	8.0	9.8
800	1986	2004	1973	16.6	26.2	8.8	11.6	274	7.1	9.5
750	2531	2555	2508	13.8	21.8	6.0	7.4	273	6.3	9.4
700	3112	3134	3091	10.8	18.0	3.0	2.9	272	5.5	9.1
650	3728	3755	3703	7.4	14.0	0.0	-1.1	273	4.5	8.9
600	4381	4408	4355	3.8	10.0	-3.9	-4.4	271	3.5	8.4
550	5084	5125	5042	0.2	7.2	-8.0	-7.6	267	2.4	7.5
500	5844	5881	5803	-3.4	5.0	-13.1	-11.8	258	1.4	6.7
450	6671	6720	6611	-7.6	-0.5	-15.7	-16.1	195	0.6	6.2
400	7580	7632	7532	-12.8	-5.1	-20.3	-21.4	099	1.6	5.9
350	8587	8648	8530	-19.2	-9.7	-26.1	-27.5	092	3.8	6.3
300	9720	9799	9657	-26.9	-18.7	-41.0	-35.2	090	5.9	7.7
250	11011	11111	10941	-36.9	-28.1	-46.0	-44.9	089	9.2	10.8
200	12519	12638	12432	-49.1	-40.5	-60.0		089	14.4	15.7
175	13382	13520	13279	-56.4	-47.1	-66.3		092	17.9	19.2
150	14342	14499	14238	-64.2	-54.9	-76.5		093	21.5	22.6
125	15439	15616	15324	-72.1	-53.7	-83.7		095	25.5	26.4
100	16735	16933	16540	-77.4	-63.0	-89.0		092	25.7	26.4
80	18017	18253	17847	-75.3	-56.3	-86.0		091	21.4	22.0
70	18809	19064	18607	-71.0	-50.1	-84.7		090	18.3	18.9
60	19728	20033	19549	-66.2	-45.9	-82.5		092	16.1	16.6
50	20843	21215	20603	-61.4	-42.1	-76.3		095	15.0	15.5
40	22235	22659	21947	-56.7	-43.9	-72.5				
30										
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
547	5140	5710	4320				099	16800	-79.3

NORMALS OF RADIOSONDE DATA

MONTH : JULY TIME : 1730 IST STATION : GOA

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	999	1001	997	27.2	31.0	23.0	24.6	270	5.8	6.3
1000	51	69	36	27.5	31.0	23.0	24.4	275	5.8	6.4
950	495	518	441	24.2	31.6	18.6	21.4	273	9.7	10.3
925	730	736	717	22.8	30.0	16.8	20.1	274	11.0	11.6
900	974	988	956	21.2	28.4	15.2	18.3	276	11.3	11.9
850	1467	1483	1450	18.4	27.0	11.0	15.1	276	11.5	12.0
800	1985	2005	1964	15.6	23.4	9.6	12.1	275	10.7	11.2
750	2528	2553	2500	12.9	21.2	6.0	8.5	274	10.0	10.7
700	3107	3138	3074	10.2	19.0	2.0	3.5	275	9.4	10.3
650	3721	3759	3699	7.2	18.0	-1.0	-1.2	278	8.4	9.6
600	4375	4420	4329	3.7	11.4	-5.0	-4.5	279	6.7	8.6
550	5077	5135	5027	0.1	8.0	-9.0	-7.7	279	4.9	7.6
500	5837	5903	5777	-3.7	4.8	-12.0	-11.5	273	2.6	6.3
450	6662	6747	6589	-8.0	0.0	-17.0	-16.1	264	0.3	5.7
400	7572	7667	7491	-13.2	-5.5	-22.0	-21.5	086	2.4	5.9
350	8576	8690	8483	-19.6	-10.1	-31.9	-28.2	088	5.5	7.3
300	9708	9843	9591	-27.5	-17.7	-36.1	-36.1	088	9.2	10.3
250	10995	11160	10855	-37.5	-26.5	-46.1	-44.8	089	14.7	15.6
200	12498	12698	12336	-49.7	-36.5	-59.9		089	22.4	23.0
175	13359	13583	13199	-56.9	-42.7	-72.0		089	27.2	27.8
150	14321	14572	14129	-64.6	-50.5	-79.3		088	32.7	33.1
125	15412	15708	15204	-72.4	-57.1	-85.1		089	36.6	37.2
100	16707	17057	16505	-76.4	-60.5	-89.0		090	33.7	34.3
80	18012	18426	17793	-72.1	-51.5	-86.1		087	26.9	27.5
70	18810	19225	18576	-68.4	-50.9	-80.3		089	23.5	24.0
60	19731	20130	19458	-64.9	-47.5	-77.9		093	21.4	21.8
50	20841	21271	20539	-61.2	-42.5	-72.9				
40	22234	22644	21917	-57.5	-45.5	-71.7				
30										
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
548	5110	5960	4480				104	16520	-78.4

NORMALS OF RADIOSONDE DATA

MONTH : AUGUST TIME : 1730 IST STATION : GOA

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1000	1001	997	27.1	30.4	23.0	24.4	278	5.7	6.2
1000	58	70	39	27.2	30.0	22.6	24.2	282	5.5	6.4
950	500	518	447	23.9	29.4	17.2	21.1	281	9.6	10.1
925	740	751	730	22.6	28.4	15.2	19.7	283	10.0	10.5
900	979	992	956	20.9	27.6	13.6	17.9	283	11.0	11.5
850	1472	1485	1445	18.2	26.4	10.8	15.0	283	10.7	11.2
800	1989	2004	1960	15.3	22.6	6.6	12.1	281	10.1	10.6
750	2531	2553	2491	12.7	19.0	5.0	8.5	280	9.8	10.5
700	3111	3132	3073	10.1	17.2	3.6	3.7	280	9.3	10.2
650	3725	3750	3697	7.2	14.4	0.0	-0.9	280	8.3	9.3
600	4380	4413	4332	3.8	11.0	-3.0	-4.7	281	6.7	8.2
550	5082	5123	5034	0.2	7.0	-7.9	-8.1	280	4.5	6.8
500	5840	5891	5785	-3.5	6.0	-12.1	-12.4	278	2.4	5.5
450	6666	6728	6603	-7.9	3.0	-15.9	-17.0	307	0.5	5.2
400	7575	7651	7496	-13.1	-6.5	-21.0	-22.2	081	2.0	5.4
350	8580	8670	8500	-19.6	-12.1	-28.1	-28.4	082	5.0	6.9
300	9712	9823	9610	-27.5	-18.1	-35.0	-36.1	086	8.9	9.8
250	11002	11132	10888	-37.3	-27.5	-47.0	-44.5	089	13.9	14.7
200	12505	12665	12378	-49.6	-40.3	-59.0		090	22.2	22.6
175	13369	13541	13217	-56.8	-47.5	-67.1		090	26.3	26.8
150	14328	14521	14149	-64.5	-53.1	-77.3		089	31.0	31.6
125	15422	15636	15227	-72.4	-59.1	-87.9		091	33.9	34.5
100	16716	16950	16458	-76.1	-58.3	-89.1		089	31.1	31.5
80	18029	18309	17814	-70.6	-50.3	-85.5		087	24.9	25.3
70	18822	19214	18547	-67.5	-51.1	-79.5		090	22.8	23.1
60	19762	20208	19510	-63.9	-49.1	-76.9		093	21.4	21.8
50	20891	21351	20631	-59.9	-45.9	-74.0		096	20.3	20.6
40	22293	22795	22120	-56.2	-42.7	-68.1				
30										
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
547	5150	5860	4490				106	16380	-78.3

NORMALS OF RADIOSONDE DATA

MONTH : SEPTEMBER TIME : 1730 IST STATION : GOA

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1000	1002	998	27.8	31.0	23.0	24.1	290	3.8	4.8
1000	63	78	46	27.8	30.6	23.0	23.8	294	4.2	5.1
950	506	531	456	24.2	33.4	18.0	20.4	292	6.1	7.2
925	744	765	736	22.8	28.2	17.8	18.7	291	6.3	7.3
900	985	1005	964	21.4	30.0	15.0	17.3	293	5.9	7.1
850	1478	1502	1455	18.7	29.8	11.0	14.1	292	4.8	6.6
800	1996	2023	1973	15.9	24.4	9.0	10.5	287	4.0	6.3
750	2539	2571	2496	13.0	23.0	5.0	6.4	282	3.5	6.3
700	3118	3152	3087	10.2	19.0	3.0	1.8	281	3.4	6.5
650	3732	3768	3699	7.2	15.2	-1.0	-2.2	280	2.8	6.0
600	4386	4427	4343	3.9	12.8	-3.0	-5.6	276	2.1	5.6
550	5089	5131	5020	0.5	11.0	-8.3	-9.6	264	1.2	5.2
500	5850	5895	5800	-3.5	5.6	-11.0	-13.6	131	0.2	5.1
450	6675	6728	6598	-8.2	0.8	-16.0	-18.4	093	1.4	5.2
400	7584	7640	7523	-13.6	-5.5	-22.0	-23.5	090	3.1	5.5
350	8587	8652	8498	-20.2	-11.3	-28.0	-29.8	089	5.1	6.6
300	9716	9797	9624	-28.2	-18.9	-36.5	-37.1	089	7.6	8.6
250	10999	11105	10865	-38.4	-26.9	-48.5	-45.6	089	10.9	11.7
200	12495	12629	12401	-50.8	-38.3	-62.3		092	16.1	16.9
175	13355	13498	13147	-57.9	-44.5	-68.1		093	19.5	20.2
150	14310	14470	14085	-65.7	-51.3	-77.9		095	22.6	23.6
125	15397	15581	15232	-73.3	-57.9	-85.1		096	24.0	24.7
100	16687	16872	16502	-76.4	-59.5	-90.1		091	20.6	21.3
80	17986	18229	17784	-71.7	-52.1	-87.1		091	17.3	17.8
70	18778	19030	18569	-68.0	-46.1	-86.0		092	15.6	16.2
60	19718	20008	19485	-63.9	-42.1	-75.3		098	14.8	15.3
50	20852	21182	20592	-59.8	-45.1	-74.5		097	14.7	15.4
40	22280	22619	22024	-55.4	-40.9	-66.7				
30										
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
545	5180	5730	4580				106	16370	-78.2

NORMALS OF RADIOSONDE DATA

MONTH : OCTOBER TIME : 1730 IST STATION : GOA

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1001	1004	999	28.8	33.4	23.6	23.7	281	2.4	3.8
1000	69	93	50	28.7	33.2	23.0	23.2	282	2.7	4.1
950	512	550	457	25.6	33.4	13.4	18.9	288	2.7	5.0
925	752	785	732	24.1	32.6	16.6	18.5	291	1.5	4.6
900	994	1025	973	23.0	32.0	10.8	15.4	334	1.1	4.6
850	1490	1523	1466	19.9	29.0	9.6	12.0	055	1.8	5.2
800	2009	2044	1981	16.5	24.4	5.6	8.9	068	3.2	6.2
750	2551	2592	2497	13.1	22.4	3.6	5.1	069	3.6	6.7
700	3131	3170	3089	9.9	19.4	2.6	0.5	069	2.8	6.2
650	3743	3784	3699	6.7	15.8	-2..0	-3.1	070	1.9	5.5
600	4397	4445	4339	3.5	12.4	-5.0	-7.0	071	1.4	5.2
550	5097	5155	5021	0.0	9.0	-9.0	-10.5	073	1.6	5.2
500	5856	5920	5779	-4.2	3.8	-13.0	-14.8	076	2.0	5.5
450	6679	6752	6585	-8.8	-0.5	-17.0	-19.6	080	2.3	5.7
400	7585	7662	7483	-14.5	-7.1	-24.9	-24.8	085	2.3	5.7
350	8583	8670	8473	-21.3	-13.0	-30.0	-30.9	095	2.2	6.1
300	9708	9798	9582	-29.4	-21.3	-38.9	-37.9	123	2.2	6.7
250	10985	11089	10842	-39.6	-30.5	-50.0		138	3.5	8.6
200	12471	12615	12317	-52.0	-40.3	-64.0		137	6.1	10.9
175	13330	13488	13154	-59.0	-47.7	-73.0		134	7.2	12.1
150	14280	14462	14091	-66.5	-54.1	-78.1		126	8.8	13.0
125	15365	15578	15150	-73.7	-62.1	-86.1		116	9.2	12.7
100	16658	16890	16395	-77.6	-63.5	-88.1		101	9.6	11.3
80	17955	18225	17713	-72.7	-58.1	-84.0		097	8.6	10.0
70	18748	19073	18466	-68.5	-54.3	-79.5		094	8.5	9.7
60	19681	20049	19416	-64.4	-51.1	-79.0		098	9.1	10.2
50	20803	21233	20480	-60.5	-45.7	-73.0		096	8.9	10.1
40	22214	22700	21829	-56.5	-45.3	-70.5		094	9.7	10.8
30	24071	24623	23674	-52.1	-39.9	-65.5				
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
551	5100	5710	4430				103	16480	-79.3

NORMALS OF RADIOSONDE DATA

MONTH : NOVEMBER TIME : 1730 IST STATION : GOA

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1002	1004	1000	29.5	35.0	22.0	21.2	284	2.0	3.6
1000	78	95	62	29.3	34.8	24.0	20.6	281	2.1	3.8
950	524	545	475	25.9	33.8	18.4	14.7	328	1.2	4.3
925	763	774	752	24.8	32.8	18.4	13.7	055	1.7	3.6
900	1004	1019	984	22.8	30.0	14.0	11.7	069	2.4	4.7
850	1498	1516	1477	19.1	27.6	10.0	9.0	078	4.5	6.0
800	2015	2035	1992	15.5	23.2	8.6	5.8	077	5.9	7.3
750	2555	2583	2513	12.4	20.4	4.0	1.5	075	5.5	7.3
700	3134	3163	3105	9.7	17.6	-1.1	-1.6	076	4.3	6.6
650	3745	3790	3701	6.6	14.8	-5.0	-5.0	076	3.5	6.2
600	4399	4431	4358	3.3	12.4	-6.5	-8.5	073	3.2	6.4
550	5097	5133	5029	-0.3	8.2	-10.0	-11.8	065	3.0	6.7
500	5857	5893	5801	-4.6	4.0	-15.0	-15.4	060	2.5	7.0
450	6676	6724	6593	-9.6	0.0	-20.0	-20.3	051	1.8	7.3
400	7579	7633	7502	-15.5	-5.3	-24.0	-25.7	010	0.8	7.5
350	8573	8635	8476	-22.6	-14.1	-34.0	-32.2	284	1.7	8.0
300	9689	9758	9589	-30.8	-21.3	-45.0		250	4.0	9.0
250	10959	11047	10834	-40.8	-27.9	-50.9		229	6.8	11.0
200	12439	12550	12295	-52.9	-39.7	-64.5		210	8.4	12.6
175	13295	13405	13167	-59.8	-48.5	-70.0		208	8.0	12.6
150	14244	14408	14146	-66.9	-55.1	-77.9		211	6.2	11.3
125	15328	15525	15216	-73.6	-62.3	-84.1		202	3.9	9.2
100	16618	16841	16474	-78.0	-64.1	-88.1		125	2.6	8.2
80	17904	18126	17711	-75.3	-62.1	-87.7		097	3.9	7.7
70	18687	18908	18519	-71.3	-57.9	-84.0		096	3.6	6.6
60	19609	19861	19415	-66.2	-46.7	-80.0		093	3.1	6.5
50	20730	21015	20429	-61.6	-47.1	-76.0		104	4.6	7.6
40	22129	22506	21779	-57.7	-44.3	-71.0		096	6.0	8.8
30	23962	24476	23658	-53.9	-40.9	-65.5				
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
555	5050	5430	4490				101	16570	-79.2

NORMALS OF RADIOSONDE DATA

MONTH : DECEMBER TIME : 1730 IST STATION : GOA

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1004	1005	1002	29.3	33.4	19.6	18.9	288	1.8	3.5
1000	91	103	80	29.0	32.8	21.0	18.2	288	1.8	3.7
950	536	556	491	25.4	33.6	15.6	12.1	011	1.0	4.0
925	776	790	764	24.1	33.4	17.8	11.3	071	2.4	3.7
900	1015	1029	1001	22.2	31.2	13.4	9.4	077	3.5	4.8
850	1508	1523	1491	18.4	28.0	9.0	6.4	079	5.2	6.2
800	2024	2039	2000	15.0	26.4	7.0	1.5	079	5.6	6.9
750	2564	2582	2495	12.7	22.2	3.0	-3.4	077	4.4	6.3
700	3143	3162	3106	10.0	20.0	-1.0	-7.0	072	2.9	5.7
650	3753	3778	3686	6.7	15.0	-5.3	-8.8	062	1.9	5.6
600	4406	4434	4353	3.0	10.6	-6.0	-12.0	055	1.0	5.8
550	5104	5137	5011	-1.1	7.0	-10.0	-15.6	028	0.4	6.3
500	5859	5893	5786	-5.7	2.6	-14.0	-19.0	286	1.2	7.1
450	6675	6714	6558	-10.8	-2.1	-19.0	-23.9	272	3.0	7.9
400	7573	7617	7476	-16.9	-8.1	-29.3	-28.5	267	5.2	9.4
350	8562	8608	8437	-23.9	-15.7	-39.0		267	7.9	11.7
300	9673	9729	9541	-32.1	-22.7	-42.7		258	10.6	14.2
250	10934	11014	10781	-42.0	-30.0	-53.5		249	13.4	17.4
200	12408	12510	12227	-53.9	-45.0	-65.7		243	14.8	18.8
175	13262	13378	13022	-60.2	-51.3	-72.7		246	14.8	18.3
150	14208	14342	13946	-66.7	-53.5	-78.9		248	13.5	16.4
125	15296	15472	15060	-72.4	-60.9	-85.7		254	9.7	12.8
100	16590	16821	16501	-77.3	-65.1	-89.3		248	3.9	9.6
80	17877	18146	17762	-76.2	-59.0	-86.5		106	0.8	8.1
70	18651	18941	18495	-73.0	-57.3	-83.3		091	2.1	7.0
60	19565	19882	19402	-68.1	-55.5	-81.5		099	2.1	6.5
50	20670	21036	20317	-63.2	-47.9	-77.0		116	1.6	6.6
40	22069	22455	21815	-59.1	-47.1	-77.3		097	2.7	8.0
30	23869	24381	23652	-55.0	-40.3	-75.5				
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
563	4920	5250	4240				098	16750	-78.8

NORMALS OF RADIOSONDE DATA

MONTH : JANUARY TIME : 1730 IST STATION : GORAKHPUR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1004	1007	1003	20.7	27.6	9.4	12.1	272	1.0	1.4
1000	127	146	113	20.2	27.4	9.8	11.3	272	1.5	2.3
950	551	577	522	15.5	29.6	5.6	6.2	280	2.8	4.3
925	785	806	779	13.3	28.4	6.0	4.0	286	3.3	4.8
900	1021	1042	1006	12.7	27.2	4.4	1.6	285	3.5	5.1
850	1498	1521	1483	10.2	22.8	0.6	-3.6	288	4.6	6.4
800	2000	2031	1984	8.0	19.2	-2.1	-7.5	289	6.5	8.0
750	2529	2561	2508	5.6	17.0	-4.9	-10.5	287	8.7	9.9
700	3091	3132	3072	2.7	14.8	-7.3	-12.6	285	10.9	11.9
650	3684	3727	3656	-0.8	11.8	-10.5	-15.6	282	13.1	14.1
600	4321	4380	4291	-4.6	7.2	-14.1	-18.0	279	15.7	16.7
550	5011	5088	4961	-8.9	1.8	-18.7	-21.5	276	18.8	20.0
500	5733	5808	5683	-13.6	-3.5	-24.1	-26.4	274	22.4	23.8
450	6527	6599	6467	-19.0	-6.7	-30.3	-31.0	272	26.4	27.9
400	7395	7485	7322	-24.6	-12.1	-36.7	-36.5	269	30.5	32.1
350	8358	8462	8274	-30.7	-18.1	-44.3		269	34.0	35.8
300	9435	9540	9345	-37.5	-24.7	-53.5		267	37.3	39.5
250	10673	10799	10573	-44.8	-27.9	-63.9		264	40.5	42.5
200	12136	12273	12029	-52.8	-39.3	-69.1		264	40.8	43.1
175	12986	13127	12879	-57.0	-41.5	-72.5		266	41.1	43.0
150	13952	14108	13838	-61.3	-42.9	-74.5				
125	15067	15299	14954	-65.8	-47.9	-77.5				
100	16406	16717	16280	-69.3	-53.9	-79.9				
80	17732	18103	17588	-69.9	-56.1	-81.1				
70	18528	18963	18376	-68.6	-54.1	-80.5				
60	19451	19914	19293	-65.9	-51.5	-78.1				
50	20561	21089	20401	-62.6	-45.3	-78.9				
40	21932	22559	21785	-59.3	-46.7	-75.7				
30	23737	24469	23575	-55.9	-42.7	-71.5				
25	24884	25790	24652	-54.4	-36.5	-67.9				
20	26307	26847	26150	-52.6	-41.1	-64.1				
15	28171	28624	27942	-50.9	-39.3	-63.7				
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
664	3530	4080	3000	186	12740	-59.2	099	16570	-71.4

NORMALS OF RADIOSONDE DATA

MONTH : FEBRUARY TIME : 1730 IST STATION : GORAKHPUR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1002	1005	998	24.7	31.6	14.0	12.8	268	1.8	2.4
1000	103	127	65	24.2	31.4	14.4	12.1	265	1.9	2.7
950	530	563	484	19.0	32.4	8.6	7.5	270	3.9	5.3
925	771	793	756	16.1	24.0	7.4	6.0	274	3.9	5.3
900	1007	1035	974	15.4	29.4	5.4	3.8	276	4.7	6.0
850	1489	1518	1458	12.2	26.4	1.8	-1.1	281	6.0	7.1
800	1994	2025	1963	9.3	21.4	0.8	-5.2	282	7.7	8.7
750	2522	2561	2487	6.3	19.8	-3.1	-7.9	284	9.5	10.4
700	3087	3128	3045	3.2	16.8	-6.9	-10.7	283	11.4	12.2
650	3679	3727	3634	-0.5	13.4	-11.3	-13.7	282	13.5	14.4
600	4320	4362	4263	-4.4	8.0	-15.5	-17.4	279	15.8	16.7
550	5006	5075	4940	-8.8	3.6	-18.5	-21.1	277	18.4	19.4
500	5731	5786	5663	-13.4	-0.5	-24.9	-24.2	276	21.9	23.2
450	6527	6595	6448	-18.5	-5.5	-30.3	-28.9	273	25.5	26.9
400	7395	7475	7309	-24.1	-10.9	-37.3	-34.1	272	29.7	31.3
350	8361	8456	8271	-30.2	-16.5	-44.7		270	33.8	35.9
300	9441	9547	9355	-36.8	-19.1	-50.3		269	37.5	40.1
250	10684	10815	10580	-43.9	-28.3	-57.9		268	38.9	41.8
200	12156	12340	12034	-51.5	-31.1	-64.7		268	41.4	44.1
175	13013	13240	12886	-55.7	-35.1	-69.5		269	41.5	43.8
150	13986	14252	13850	-60.2	-39.1	-75.9				
125	15107	15438	14935	-64.9	-46.1	-78.1				
100	16448	16849	16236	-69.0	-52.1	-81.5				
80	17777	18270	17553	-69.5	-50.7	-81.1				
70	18580	19137	18347	-68.0	-48.3	-79.9				
60	19500	20130	19185	-64.9	-44.5	-78.9				
50	20619	21363	20341	-60.6	-36.1	-72.5				
40	22015	22820	21732	-57.1	-40.1	-75.1				
30	23842	24764	23422	-54.0	-37.5	-73.3				
25	24990	26076	24689	-52.9	-36.7	-70.7				
20	26412	27687	26040	-51.9	-36.9	-68.3				
15	28274	29659	27842	-50.1	-36.3	-64.7				
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
656	3620	4050	3050				097	16670	-71.1

NORMALS OF RADIOSONDE DATA

MONTH : MARCH TIME : 1730 IST STATION : GORAKHPUR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	998	1000	994	31.0	39.2	16.4	13.4	268	2.9	3.5
1000	67	89	36	28.0	34.2	15.8	12.9	264	1.8	2.7
950	506	537	473	24.8	35.6	12.2	7.6	272	5.4	6.5
925	748	766	726	22.8	32.8	12.8	7.1	275	6.7	7.5
900	990	1011	966	20.9	31.2	9.8	5.5	274	6.7	7.6
850	1481	1499	1459	17.0	27.4	5.8	2.3	278	7.9	8.6
800	1994	2014	1976	13.3	22.8	3.0	-1.3	281	9.4	10.0
750	2529	2545	2509	9.7	19.8	-1.9	-5.2	284	10.9	11.6
700	3102	3121	3087	6.2	15.6	-4.7	-8.2	285	12.4	13.3
650	3698	3719	3671	2.2	10.6	-9.5	-11.9	284	14.0	14.9
600	4347	4369	4321	-1.9	6.6	-12.9	-16.1	282	15.8	16.8
550	5040	5079	4998	-6.5	3.0	-18.5	-19.7	280	17.8	18.9
500	5771	5804	5729	-11.5	-0.9	-21.9	-23.2	279	20.0	21.1
450	6572	6610	6521	-16.9	-7.1	-26.3	-27.3	276	22.5	23.7
400	7446	7502	7388	-23.0	-11.7	-31.9	-32.7	275	25.5	26.9
350	8415	8471	8352	-29.6	-13.1	-40.7		274	28.0	29.6
300	9495	9563	9441	-36.9	-20.3	-49.3		274	31.1	33.1
250	10735	10810	10665	-44.6	-28.7	-61.3		274	33.0	35.7
200	12201	12312	12102	-52.4	-35.7	-65.5		272	36.2	39.1
175	13056	13181	12928	-56.1	-40.1	-68.1		272	35.8	38.6
150	14026	14163	13882	-60.3	-44.3	-73.3		274	36.5	39.0
125	15147	15291	15007	-65.0	-51.7	-81.5		274	35.3	37.2
100	16494	16676	16346	-68.9	-54.3	-87.5		277	31.3	33.0
80	17822	18046	17649	-69.8	-51.7	-86.1				
70	18618	18838	18432	-68.3	-50.7	-84.1				
60	19543	19760	19349	-65.0	-42.1	-78.9				
50	20662	20929	20457	-60.6	-37.7	-76.3				
40	22058	22373	21846	-56.6	-41.5	-74.5				
30	23888	24259	23686	-52.8	-35.3	-74.3				
25	25057	25598	24847	-51.4	-33.1	-74.7				
20	26482	26919	26262	-49.9	-37.5	-72.7				
15	28358	28836	28121	-47.8	-34.5	-70.3				
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
622	4060	4410	3670	198	12370	-58.3	097	16770	-71.2

NORMALS OF RADIOSONDE DATA

MONTH : APRIL TIME : 1730 IST STATION : GORAKHPUR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	994	996	991	36.0	42.6	20.6	14.8	273	2.5	3.8
1000	29	53	2							
950	477	509	425	30.6	40.4	17.6	9.0	279	4.7	6.6
925	728	741	708	28.4	38.4	20.2	9.0	279	5.1	6.7
900	971	989	943	26.6	36.4	16.8	8.0	277	5.8	7.2
850	1471	1491	1445	22.5	32.2	13.0	6.0	276	7.4	8.3
800	1993	2015	1971	18.5	28.0	9.0	3.0	279	8.8	9.4
750	2534	2566	2501	14.1	24.2	3.6	-0.7	280	10.5	11.0
700	3119	3147	3099	9.8	20.4	-1.7	-4.7	283	11.8	12.4
650	3719	3758	3685	5.4	17.0	-6.7	-8.8	285	13.2	13.7
600	4377	4410	4356	0.9	13.0	-11.7	-13.1	284	14.2	14.9
550	5072	5122	5044	-3.9	9.0	-14.7	-18.0	284	15.4	16.0
500	5814	5853	5785	-9.1	4.8	-19.1	-23.3	282	16.5	17.3
450	6619	6666	6582	-14.7	3.0	-24.9	-27.8	280	17.6	18.5
400	7502	7567	7454	-21.1	-5.1	-33.3	-32.8	278	19.4	20.6
350	8478	8568	8410	-28.1	-12.5	-40.9		276	21.7	23.2
300	9563	9675	9485	-35.8	-18.7	-49.7		274	24.1	26.0
250	10809	10944	10716	-43.8	-25.7	-57.7		271	26.3	28.6
200	12280	12457	12169	-51.8	-38.1	-67.5		268	27.3	30.0
175	13138	13323	13014	-55.5	-41.9	-66.5		266	28.2	30.7
150	14107	14325	13966	-59.8	-44.3	-73.1		264	27.9	30.0
125	15228	15492	15055	-65.0	-45.1	-77.1		263	24.6	26.5
100	16568	16923	16353	-69.4	-53.7	-84.9		264	20.2	22.2
80	17893	18321	17639	-70.0	-51.1	-82.3		265	12.1	15.0
70	18693	19184	18417	-68.1	-49.5	-81.1		269	7.6	12.1
60	19622	20165	19348	-64.7	-43.1	-79.3		276	4.5	9.9
50	20743	21323	20436	-59.9	-40.1	-77.9		287	2.3	8.1
40	22146	22816	21831	-55.3	-37.1	-71.7		346	1.0	7.4
30	24001	24787	23677	-50.6	-30.1	-69.9		283	1.9	7.6
25	25172	25908	24816	-48.8	-28.5	-69.1		291	2.7	7.6
20	26645	27461	26234	-46.6	-30.3	-65.1		288	4.4	9.6
15	28547	29373	28132	-44.3	-32.7	-62.9				
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
590	4510	5100	4200	192	12600	-57.5	097	16850	-71.3

NORMALS OF RADIOSONDE DATA

MONTH : MAY TIME : 1730 IST STATION : GORAKHPUR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	990	994	988	37.3	44.6	22.6	19.9	302	0.3	2.8
1000	10	39	0							
950	454	506	417	32.4	40.2	21.6	15.7	295	1.1	5.1
925	700	712	687	30.1	39.2	21.0	14.5	282	2.2	5.3
900	949	982	932	28.4	43.2	17.0	13.4	280	2.2	5.4
850	1452	1484	1435	24.5	37.8	13.0	10.9	276	4.1	6.0
800	1980	2005	1959	20.7	32.0	11.0	7.5	280	6.5	7.7
750	2528	2551	2502	16.6	27.0	7.2	3.5	285	8.7	9.6
700	3116	3149	3089	12.5	23.8	4.2	-0.7	287	10.4	11.2
650	3728	3771	3697	8.0	20.2	-0.5	-5.7	287	11.4	12.2
600	4388	4434	4355	3.8	14.2	-5.3	-10.6	288	11.9	12.9
550	5097	5165	5061	-0.6	11.6	-10.1	-14.4	287	12.2	13.2
500	5844	5910	5804	-5.3	5.6	-16.1	-18.7	285	12.4	13.7
450	6664	6746	6614	-10.5	1.2	-22.9	-23.2	281	12.7	13.9
400	7561	7661	7506	-16.3	-2.5	-29.3	-27.4	279	13.8	15.4
350	8555	8684	8495	-22.7	-5.5	-34.3		274	15.1	17.1
300	9669	9817	9599	-29.8	-9.9	-43.9		269	16.7	19.0
250	10945	11126	10866	-38.4	-18.9	-52.1		263	18.8	21.3
200	12449	12654	12330	-48.1	-30.1	-58.9		259	20.5	22.8
175	13315	13547	13182	-53.8	-34.5	-65.9		258	20.2	22.6
150	14289	14550	14149	-59.8	-40.9	-73.3		257	18.6	21.0
125	15409	15694	15261	-66.1	-48.5	-77.9		256	15.5	18.1
100	16740	17090	16593	-71.3	-54.3	-83.7		253	10.6	13.7
80	18051	18466	17892	-71.8	-54.1	-82.9		250	5.1	9.5
70	18847	19302	18657	-69.1	-50.9	-82.7		226	2.6	8.3
60	19772	20274	19557	-64.2	-46.1	-78.3		139	1.7	7.8
50	20894	21375	20661	-58.6	-39.7	-75.3		097	3.3	7.5
40	22299	22845	22059	-53.6	-38.7	-72.1		090	4.1	7.6
30	24167	24776	23912	-48.9	-34.7	-64.7		081	3.9	7.5
25	25344	26071	25087	-47.0	-32.1	-60.9		087	3.8	7.4
20	26819	27582	26533	-45.0	-30.1	-59.1		073	2.4	7.6
15	28717	29896	28426	-42.9	-27.5	-58.3		069	2.3	7.4
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
556	5010	5620	4580				096	17040	-73.0

NORMALS OF RADIOSONDE DATA

MONTH : JUNE TIME : 1730 IST STATION : GORAKHPUR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	987	988	985	35.5	44.0	25.0	24.1	071	0.9	2.6
1000	32	49	17							
950	419	445	388	31.6	44.2	23.4	21.4	069	1.3	4.9
925	671	683	652	29.0	39.6	21.8	20.5	085	1.2	4.9
900	913	927	897	27.9	39.4	20.0	19.0	077	0.4	5.0
850	1419	1437	1399	24.4	36.6	14.8	16.4	279	0.7	5.7
800	1947	1967	1923	20.9	32.6	12.0	13.2	287	2.2	6.7
750	2502	2527	2482	17.4	28.2	8.0	9.1	293	3.7	7.9
700	3088	3110	3057	13.8	24.6	6.2	4.6	295	4.5	8.5
650	3710	3738	3684	10.1	21.8	2.0	0.3	296	4.8	8.8
600	4371	4398	4330	6.3	17.6	-2.1	-3.9	296	4.8	8.6
550	5093	5134	5058	2.5	12.6	-7.7	-7.7	291	4.7	8.3
500	5842	5873	5795	-1.7	8.8	-13.7	-11.8	285	4.7	8.3
450	6672	6738	6516	-6.0	5.6	-18.5	-15.9	278	4.9	8.5
400	7588	7632	7531	-11.2	0.0	-25.9	-21.1	268	5.2	8.8
350	8604	8656	8533	-17.2	-6.1	-37.9	-26.7	262	5.8	9.4
300	9744	9810	9650	-24.6	-13.3	-46.3	-33.0	257	6.2	10.0
250	11044	11121	10924	-34.1	-21.3	-54.5	-41.9	248	6.3	10.5
200	12566	12651	12421	-45.9	-32.5	-60.5		234	5.9	10.6
175	13438	13524	13282	-52.9	-36.5	-68.1		231	5.4	10.4
150	14415	14532	14246	-60.4	-44.1	-73.7		227	4.0	9.7
125	15530	15721	15350	-68.1	-52.1	-81.3		198	2.5	9.3
100	16845	17090	16666	-74.5	-56.7	-89.9		131	3.4	9.3
80	18142	18460	17986	-74.3	-53.3	-87.9		102	6.4	10.0
70	18937	19301	18804	-70.6	-51.9	-83.9		095	8.2	10.5
60	19851	20227	19711	-65.1	-49.3	-82.7		089	9.5	11.0
50	20976	21379	20814	-59.3	-43.7	-79.5		087	10.7	12.0
40	22386	22800	22203	-54.3	-39.7	-70.3		087	11.8	12.8
30	24237	24673	24031	-49.9	-34.1	-64.3		087	13.2	14.1
25	25426	25864	25212	-47.5	-29.5	-60.1		085	13.6	14.5
20	26897	27375	26665	-45.5	-27.9	-59.7		084	14.1	14.9
15	28825	29397	28563	-43.0	-31.1	-59.1		082	14.8	16.1
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
520	5550	6030	5050				097	17090	-76.3

NORMALS OF RADIOSONDE DATA

MONTH : JULY TIME : 1730 IST STATION : GORAKHPUR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	987	989	986	31.4	42.4	24.4	26.5	087	1.2	2.1
1000	25	39	4							
950	417	435	393	28.5	40.6	18.4	23.7	096	2.6	5.1
925	665	673	653	26.8	33.4	19.4	22.0	103	2.5	5.2
900	912	925	902	25.5	37.0	16.2	21.2	106	2.7	5.8
850	1413	1424	1402	22.7	33.0	13.2	18.4	112	2.3	6.4
800	1940	1950	1929	20.0	29.4	10.6	15.1	118	1.9	6.8
750	2495	2511	2380	17.1	26.0	8.0	11.9	122	1.5	7.1
700	3080	3099	3040	14.0	22.0	5.0	8.1	117	1.5	7.3
650	3706	3728	3580	10.9	19.2	0.4	4.3	109	1.4	7.2
600	4367	4398	4280	7.6	16.8	-2.9	0.0	100	1.3	7.0
550	5094	5132	4910	4.0	12.2	-6.5	-3.8	096	1.6	6.9
500	5850	5893	5710	0.0	10.2	-10.5	-8.2	094	1.9	6.6
450	6695	6741	6500	-4.4	6.2	-15.1	-13.3	092	1.9	6.7
400	7608	7664	7400	-9.5	-0.9	-28.5	-18.7	093	2.2	6.7
350	8626	8689	8450	-15.5	-5.1	-26.3	-25.3	087	2.4	6.7
300	9776	9844	9490	-23.2	-11.7	-34.7	-33.0	089	3.2	6.9
250	11085	11173	10755	-33.0	-18.3	-46.5	-41.7	085	4.2	7.7
200	12613	12725	12225	-45.5	-32.5	-60.1		084	5.9	9.3
175	13489	13634	13050	-52.9	-41.1	-71.1		081	7.0	10.2
150	14466	14638	13966	-60.8	-47.7	-80.9		079	8.4	11.5
125	15579	15791	15023	-68.7	-53.5	-89.7		079	10.5	13.1
100	16887	17140	16310	-74.8	-61.7	-90.1		079	13.2	14.7
80	18182	18469	17603	-73.3	-53.1	-87.5		082	15.0	16.2
70	18974	19317	18400	-69.4	-48.1	-85.3		083	16.2	17.0
60	19900	20283	19312	-64.1	-41.9	-80.5		084	17.1	17.7
50	21031	21434	20444	-58.9	-37.9	-77.7		083	17.6	18.2
40	22442	22935	21872	-54.4	-34.7	-75.1		085	18.2	18.7
30	24289	24822	23710	-50.4	-33.3	-68.1		085	19.2	19.8
25	25472	26100	24900	-48.1	-27.9	-66.1		085	19.7	20.2
20	26952	27638	26322	-45.9	-24.3	-63.1		084	21.4	22.0
15	28862	29544	28234	-44.1	-20.9	-61.7		084	23.3	24.1
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
501	5840	6270	3650				098	17060	-76.7

NORMALS OF RADIOSONDE DATA

MONTH : AUGUST TIME : 1730 IST STATION : GORAKHPUR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	989	990	988	31.4	37.6	24.6	26.7	090	1.2	2.0
1000	11	23	0							
950	431	458	404	28.4	37.6	17.4	23.5	098	2.5	5.0
925	681	695	643	26.7	35.0	19.8	22.1	104	2.6	5.1
900	927	945	908	25.3	35.0	14.8	21.0	106	2.9	5.9
850	1428	1451	1409	22.5	30.0	12.6	18.1	112	3.2	6.5
800	1954	1975	1931	19.7	27.6	10.4	14.8	113	3.2	6.8
750	2510	2542	2489	16.7	24.4	7.6	11.5	113	3.2	6.9
700	3093	3125	3068	13.8	22.0	4.8	7.8	110	3.0	6.8
650	3718	3763	3686	10.8	19.6	2.2	3.8	105	3.1	6.5
600	4378	4422	4343	7.6	15.4	-3.9	-0.1	102	3.3	6.5
550	5107	5168	5066	3.9	11.2	-6.1	-4.1	096	3.2	6.3
500	5861	5923	5822	-0.1	7.8	-9.5	-8.5	096	3.2	6.1
450	6704	6797	6665	-4.5	4.0	-12.5	-13.4	091	3.0	5.9
400	7618	7706	7558	-9.7	-0.5	-18.9	-19.0	084	3.2	6.0
350	8639	8725	8582	-15.9	-7.9	-26.5	-25.4	082	3.5	6.2
300	9785	9897	9714	-23.6	-14.1	-34.5	-33.0	084	4.1	6.8
250	11093	11223	11027	-33.4	-22.9	-45.3	-41.7	083	5.0	7.7
200	12619	12777	12541	-45.8	-33.5	-56.5		080	5.8	8.9
175	13494	13670	13407	-53.3	-39.5	-66.9		081	6.2	10.0
150	14468	14671	14367	-61.1	-48.1	-75.7		078	7.3	10.9
125	15583	15803	15460	-68.9	-54.1	-86.1		079	9.7	12.2
100	16903	17138	16749	-74.0	-56.5	-84.1		078	12.4	14.0
80	18208	18482	18024	-71.9	-52.9	-86.7		081	13.9	15.0
70	19008	19327	18799	-67.5	-51.3	-82.3		082	14.6	15.7
60	19934	20274	19715	-62.7	-49.1	-83.5		082	15.5	16.4
50	21063	21409	20825	-58.0	-43.1	-83.5		084	15.8	16.6
40	22473	22988	22215	-53.8	-38.3	-80.3		084	17.2	17.8
30	24327	24909	24045	-50.4	-36.1	-74.9		086	19.1	20.1
25	25501	26126	25219	-48.6	-27.9	-71.7		084	20.7	21.2
20	26958	27517	26682	-47.3	-33.7	-70.7		084	23.4	23.9
15	28874	29580	28532	-45.2	-31.3	-68.5		083	24.8	25.2
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
500	5870	6630	5550				102	16840	-75.7

NORMALS OF RADIOSONDE DATA

MONTH : SEPTEMBER TIME : 1730 IST STATION : GORAKHPUR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	993	994	992	30.9	36.4	23.0	25.4	086	0.8	2.0
1000	23	40	12							
950	463	487	427	27.7	39.0	20.2	21.4	091	1.4	4.9
925	711	725	678	25.6	32.2	19.2	19.7	092	2.1	5.2
900	958	971	949	24.5	35.0	11.6	18.9	101	1.6	5.8
850	1457	1469	1450	21.5	31.0	8.8	15.5	106	1.4	6.5
800	1981	1992	1970	18.6	29.2	6.6	11.9	107	1.4	6.9
750	2532	2548	2510	15.6	25.6	4.4	8.1	107	1.3	6.9
700	3115	3134	3094	12.5	22.6	2.0	4.2	101	1.4	6.8
650	3735	3763	3706	9.3	20.0	-0.5	0.1	105	1.3	6.4
600	4394	4428	4359	5.9	16.2	-3.7	-3.6	122	0.8	6.2
550	5114	5180	5059	2.2	13.0	-7.9	-7.0	173	0.7	6.2
500	5865	5915	5815	-1.9	10.2	-12.3	-11.3	223	1.2	6.6
450	6702	6775	6637	-6.5	2.0	-16.9	-16.6	238	2.3	7.0
400	7610	7679	7538	-11.9	-2.7	-22.1	-22.3	242	3.4	7.6
350	8620	8720	8537	-18.2	-8.5	-30.3	-28.1	242	4.4	8.2
300	9757	9853	9657	-26.0	-15.3	-37.5	-35.2	241	4.9	8.8
250	11050	11166	10937	-35.8	-21.5	-46.7	-44.5	239	5.4	9.5
200	12563	12706	12432	-47.9	-30.7	-58.5		236	5.0	10.1
175	13428	13594	13289	-55.1	-34.9	-65.5		234	4.5	10.1
150	14396	14597	14245	-62.5	-43.9	-73.9		232	3.4	10.0
125	15498	15721	15338	-70.0	-53.3	-83.1		219	1.7	8.9
100	16810	17073	16628	-75.1	-59.3	-84.3		098	1.9	8.7
80	18108	18401	17912	-72.2	-53.1	-83.1		096	4.6	8.6
70	18911	19238	18695	-67.5	-49.3	-80.9		094	5.8	8.8
60	19838	20137	19625	-62.6	-45.1	-81.3		091	7.1	9.2
50	20976	21300	20743	-58.0	-40.1	-82.3		087	8.7	10.3
40	22387	22746	22135	-54.4	-37.1	-78.7		087	10.2	11.6
30	24240	24654	23962	-50.7	-33.5	-72.3		087	12.4	13.8
25	25412	25891	25133	-48.9	-32.9	-71.5		087	13.3	14.1
20	26862	27722	26567	-47.6	-33.1	-69.7		088	14.1	15.2
15	28757	29326	28479	-45.6	-31.5	-68.5		085	14.9	16.3
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
523	5530	6140	4870				102	16730	-76.2

NORMALS OF RADIOSONDE DATA

MONTH : OCTOBER TIME : 1730 IST STATION : GORAKHPUR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	998	1002	996	30.9	35.4	21.4	21.6	282	0.3	0.7
1000	72	108	56	30.1	34.8	22.2	19.1	288	0.7	1.1
950	511	559	473	26.5	35.4	16.8	14.4	286	1.5	3.3
925	757	794	734	24.2	31.0	16.0	13.4	290	1.5	3.1
900	1002	1035	988	22.7	31.2	11.8	11.8	283	1.8	3.6
850	1496	1527	1481	19.1	28.6	7.6	8.2	283	2.1	4.0
800	2014	2041	1996	15.7	27.0	4.8	3.3	288	2.1	4.4
750	2554	2581	2537	12.6	25.6	3.4	-1.2	293	2.3	4.8
700	3133	3151	3108	9.4	21.8	0.0	-4.7	294	2.7	5.4
650	3741	3762	3714	6.1	16.8	-4.7	-7.5	288	3.4	6.0
600	4395	4421	4360	2.5	13.0	-8.7	-10.8	281	4.8	6.8
550	5103	5151	5053	-1.4	10.2	-14.1	-13.7	278	6.5	8.1
500	5846	5886	5801	-5.9	5.6	-17.9	-17.0	273	9.0	10.4
450	6665	6716	6612	-10.8	0.8	-23.5	-21.3	269	11.8	13.1
400	7559	7614	7500	-16.4	-5.1	-31.3	-26.9	266	14.7	16.2
350	8552	8622	8468	-22.9	-10.9	-39.3		262	17.8	19.3
300	9665	9741	9555	-30.4	-17.3	-47.9		258	21.3	22.9
250	10938	11041	10792	-39.5	-27.5	-51.3		255	23.1	24.7
200	12429	12555	12246	-50.6	-36.9	-62.5		253	24.2	25.7
175	13287	13448	13090	-56.8	-43.5	-67.5		253	23.9	25.4
150	14247	14429	14044	-63.4	-48.1	-74.1		253	22.5	24.0
125	15346	15551	15150	-69.6	-55.9	-81.5		253	18.8	20.4
100	16656	16889	16483	-73.7	-58.7	-87.1		255	13.7	15.6
80	17961	18239	17799	-70.8	-51.5	-81.5		260	7.2	10.7
70	18762	19047	18559	-66.9	-50.3	-78.7		263	4.3	8.5
60	19691	20003	19469	-62.5	-46.7	-75.1		274	1.4	6.7
50	20818	21132	20574	-58.5	-42.9	-70.3		059	0.9	7.0
40	22236	22667	21953	-54.9	-38.9	-66.3		076	1.7	6.9
30	24072	24599	23760	-51.8	-33.5	-63.5		094	2.2	7.0
25	25239	25819	24921	-50.1	-30.1	-61.1		091	3.0	6.8
20	26675	27141	26354	-48.8	-32.1	-58.1		084	2.9	7.5
15	28552	29103	28181	-47.5	-30.7	-58.1		076	3.2	8.0
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
567	4860	5540	4110				104	16450	-74.9

NORMALS OF RADIOSONDE DATA

MONTH : NOVEMBER TIME : 1730 IST STATION : GORAKHPUR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1002	1004	1001	27.5	33.0	19.6	16.7	278	0.3	0.4
1000	108	121	93	27.2	32.8	19.0	15.8	282	0.6	1.0
950	540	565	512	22.2	33.2	13.0	7.7	285	2.2	3.2
925	783	794	769	19.9	28.2	12.0	6.8	288	2.2	3.4
900	1022	1039	1007	18.4	27.4	8.2	4.9	286	2.4	3.6
850	1508	1527	1492	14.9	25.4	6.4	0.8	288	2.4	4.1
800	2018	2038	1998	11.9	24.6	3.0	-3.5	293	2.9	4.9
750	2551	2573	2521	9.2	22.6	-0.3	-7.8	295	3.9	6.1
700	3123	3151	3094	6.4	20.2	-5.5	-11.0	294	5.5	7.4
650	3724	3760	3685	3.2	14.2	-7.7	-13.8	291	7.3	8.9
600	4371	4419	4336	-0.4	11.0	-9.9	-16.4	286	9.6	10.9
550	5070	5123	5023	-4.6	6.4	-14.3		283	12.2	13.4
500	5805	5868	5755	-9.3	1.2	-18.7		280	15.2	16.5
450	6611	6692	6543	-14.8	-3.7	-27.1		276	18.4	19.9
400	7491	7574	7409	-20.9	-8.7	-33.3		273	22.2	23.8
350	8466	8568	8360	-27.5	-15.5	-40.1		270	26.1	28.0
300	9558	9686	9428	-34.7	-22.5	-48.1		267	29.5	31.6
250	10807	10951	10655	-43.1	-30.9	-59.3		265	32.9	35.3
200	12280	12443	12115	-52.5	-40.9	-71.9		262	34.8	37.3
175	13132	13305	12968	-57.8	-42.5	-76.3		261	35.0	37.2
150	14092	14264	13941	-63.1	-49.3	-75.1		261	33.6	35.5
125	15196	15393	15052	-68.1	-53.1	-82.1		263	29.2	31.1
100	16519	16723	16372	-71.7	-56.9	-84.1		263	23.2	25.0
80	17821	18082	17655	-71.5	-54.1	-85.9		266	13.6	16.6
70	18618	18910	18455	-69.1	-54.5	-83.3		271	10.0	13.0
60	19537	19832	19359	-65.2	-50.7	-79.1		273	6.4	10.1
50	20655	21005	20456	-60.9	-47.1	-76.3		276	4.9	8.8
40	22048	22573	21827	-57.2	-44.1	-74.9		275	3.6	7.9
30	23874	24477	23641	-54.2	-40.9	-74.5				
25	25023	25655	24799	-52.9	-39.5	-73.1				
20	26450	27198	26164	-51.4	-36.9	-70.5				
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
606	4290	5030	3640				104	16360	-73.2

NORMALS OF RADIOSONDE DATA

MONTH : DECEMBER TIME : 1730 IST STATION : GORAKHPUR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1005	1006	1002	22.7	28.8	11.6	13.7	274	0.4	0.6
1000	130	149	103	22.5	28.0	11.4	12.8	274	1.2	1.7
950	558	576	522	17.5	28.2	6.8	5.7	279	2.3	3.5
925	797	802	789	15.4	27.8	8.0	3.9	284	2.3	3.3
900	1030	1052	1004	14.2	27.2	4.6	1.9	285	2.5	4.1
850	1510	1533	1484	11.4	26.2	2.2	-3.1	292	3.0	5.1
800	2014	2036	1988	9.1	25.0	-1.3	-7.4	292	4.4	6.4
750	2545	2572	2524	7.0	23.2	-6.5	-10.6	293	6.6	8.0
700	3110	3139	3093	4.5	15.4	-9.3	-13.0	290	8.8	9.9
650	3707	3750	3685	1.2	10.8	-10.1	-15.4	288	11.1	12.0
600	4349	4397	4320	-2.5	6.4	-13.7	-18.6	285	13.5	14.4
550	5040	5118	4998	-6.9	2.4	-17.5	-21.3	282	16.0	17.1
500	5769	5842	5722	-11.9	1.8	-24.1	-25.4	279	19.0	20.2
450	6567	6662	6512	-17.5	-6.7	-32.1		276	22.5	23.9
400	7439	7543	7378	-23.5	-11.9	-37.3		273	26.6	28.1
350	8406	8541	8320	-30.1	-17.9	-43.5		272	30.3	31.8
300	9485	9629	9382	-37.5	-24.9	-51.7		270	34.5	36.1
250	10721	10885	10591	-45.9	-32.1	-59.1		269	36.8	38.7
200	12179	12355	12024	-54.5	-40.5	-67.1		268	38.4	40.5
175	13025	13208	12866	-59.0	-44.1	-73.1		267	38.8	41.0
150	13985	14185	13821	-63.1	-48.1	-76.1		266	37.6	39.6
125	15096	15314	14931	-67.1	-54.5	-81.5		267	35.1	36.6
100	16428	16684	16261	-70.7	-56.1	-83.1				
80	17744	17991	17562	-71.1	-55.5	-83.9				
70	18537	18792	18366	-69.4	-52.1	-80.5				
60	19459	19700	19277	-66.3	-48.1	-78.3				
50	20567	20827	20393	-62.7	-45.3	-76.9				
40	21949	22261	21750	-58.9	-44.3	-72.5				
30	23754	24127	23561	-55.5	-38.3	-69.1				
25	24900	25249	24687	-53.9	-33.5	-68.1				
20	26335	26747	26132	-52.0	-34.1	-65.5				
15	28215	28646	27964	-49.9	-37.9	-64.1				
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
634	3920	4710	3480				100	16520	-72.6

NORMALS OF RADIOSONDE DATA

MONTH : JANUARY TIME : 1730 IST STATION : GUWAHATI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1008	1010	1006	20.2	27.0	14.4	13.5	035	0.2	0.5
1000	115	133	100	19.9	25.8	13.0	13.1	032	0.6	1.5
950	551	571	537	17.0	26.4	10.0	8.9	035	1.1	3.0
925	782	801	771	15.3	24.4	8.6	8.1	067	0.7	2.7
900	1013	1031	996	13.4	22.0	6.6	6.2	236	0.3	2.9
850	1492	1511	1473	10.0	18.0	3.0	2.5	243	2.2	4.0
800	1993	2014	1972	6.4	14.8	-0.7	-0.9	238	3.8	5.3
750	2517	2542	2495	3.0	11.6	-4.5	-5.1	246	5.1	6.6
700	3075	3103	3049	0.1	9.0	-8.5	-10.3	262	7.5	8.9
650	3666	3697	3636	-2.1	8.0	-12.1	-15.1	269	12.9	13.9
600	4301	4332	4270	-4.6	6.0	-16.5	-18.0	269	18.0	18.8
550	4982	5016	4951	-8.3	4.6	-20.5	-21.5	270	21.6	22.3
500	5715	5756	5675	-12.9	-0.9	-25.5	-25.4	271	24.7	25.7
450	6511	6568	6460	-18.3	-3.9	-31.3	-30.4	271	28.1	29.2
400	7381	7454	7325	-24.3	-8.7	-39.1	-35.6	272	32.3	33.8
350	8343	8432	8271	-30.5	-16.3	-45.0	-41.0	271	37.0	38.9
300	9422	9548	9321	-37.6	-25.1	-53.0	-46.9	269	41.4	43.5
250	10658	10815	10533	-45.4	-34.0	-60.0	-53.9	266	46.0	48.2
200	12119	12299	12007	-54.0	-42.9	-68.7		263	47.2	49.0
175	12964	13153	12848	-59.0	-45.9	-71.9		262	44.9	46.4
150	13921	14114	13810	-64.1	-52.0	-78.5		263	40.5	41.9
125	15022	15228	14922	-69.2	-56.0	-83.7		264	37.0	38.1
100	16339	16544	16234	-73.4	-60.7	-86.5		266	28.4	29.5
80	17637	17845	17521	-73.4	-60.0	-85.5		267	19.3	20.8
70	18421	18669	18307	-71.2	-58.1	-86.0		270	14.5	16.4
60	19338	19577	19223	-67.5	-53.3	-83.0		267	11.0	13.5
50	20450	20664	20332	-63.4	-49.9	-77.0		259	6.7	10.6
40	21833	22084	21644	-60.2	-48.1	-73.3		249	6.4	9.7
30	23631	23869	23428	-57.6	-47.3	-70.0				
25	24755	24992	24583	-56.3	-48.3	-66.1				
20	26187	26507	25940	-54.6	-41.5	-64.5				
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
690	3210	3840	2690	219	11610	-57.4	100	16410	-75.0

NORMALS OF RADIOSONDE DATA

MONTH : FEBRUARY TIME : 1730 IST STATION : GUWAHATI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1005	1008	1002	23.2	30.0	15.4	13.2	335	0.4	1.1
1000	95	122	65	22.8	29.8	15.0	12.7	348	0.6	1.5
950	535	562	505	19.4	29.2	9.0	8.6	321	1.3	3.6
925	769	781	762	17.6	27.0	10.4	8.0	288	1.0	3.1
900	1001	1023	965	15.6	25.0	8.0	6.2	264	2.2	3.8
850	1483	1506	1444	11.8	20.6	1.0	3.6	248	4.7	5.6
800	1987	2018	1944	8.0	16.4	-3.9	0.5	243	7.2	7.9
750	2514	2553	2468	4.3	13.2	-9.1	-3.9	248	8.8	9.5
700	3075	3122	3025	0.9	9.2	-13.7	-8.8	259	10.8	11.7
650	3667	3724	3610	-1.9	6.8	-10.1	-13.0	266	14.7	15.4
600	4301	4367	4240	-4.7	6.6	-14.7	-16.4	268	18.6	19.3
550	4983	5057	4917	-8.3	4.0	-17.9	-20.7	270	21.6	22.4
500	5714	5794	5652	-13.0	1.0	-24.1	-24.9	270	24.4	25.4
450	6510	6594	6436	-18.2	-1.9	-30.3	-29.4	271	27.3	28.6
400	7380	7461	7307	-24.1	-10.0	-37.1	-34.2	270	30.7	32.3
350	8344	8420	8260	-30.5	-16.3	-44.1	-40.1	269	34.9	36.9
300	9424	9513	9321	-37.2	-22.5	-52.1	-46.2	268	40.0	42.4
250	10664	10777	10521	-44.7	-32.9	-59.0		265	43.7	46.1
200	12130	12267	11953	-53.3	-40.0	-66.0		264	45.2	47.5
175	12980	13119	12793	-58.1	-47.3	-68.1		265	43.3	45.1
150	13938	14076	13733	-63.5	-51.5	-72.1		264	40.1	41.8
125	15042	15171	14830	-69.2	-50.9	-78.7		264	35.0	36.2
100	16355	16488	16141	-73.6	-59.3	-84.5		266	27.3	28.3
80	17659	17909	17452	-74.1	-62.9	-89.5		268	18.4	19.5
70	18441	18652	18222	-71.8	-59.9	-84.1		268	13.7	15.2
60	19356	19572	19128	-67.9	-55.9	-82.1		263	9.2	11.9
50	20458	20673	20206	-63.8	-52.1	-77.0		260	6.3	9.9
40	21838	22078	21649	-60.3	-46.1	-73.5		254	4.7	8.2
30	23629	23827	23482	-57.6	-45.9	-70.9				
25	24780	25041	24602	-55.9	-46.1	-63.9				
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
680	3320	4170	2610	251	10790	-51.7	099	16490	-75.4

NORMALS OF RADIOSONDE DATA

MONTH : MARCH TIME : 1730 IST STATION : GUWAHATI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1002	1005	998	27.1	36.0	16.6	14.5	317	0.5	1.8
1000	66	92	30	26.5	34.0	16.4	14.3	003	0.6	1.8
950	512	535	483	23.6	32.2	12.2	11.2	300	1.5	4.5
925	744	764	716	22.0	30.4	13.0	10.2	270	1.8	4.3
900	985	1003	955	20.0	28.2	10.6	9.0	260	3.2	5.0
850	1475	1491	1448	16.1	24.0	7.6	6.6	249	6.0	6.8
800	1987	2004	1964	12.2	19.4	4.0	3.9	246	8.6	9.1
750	2521	2545	2501	8.1	16.2	-0.3	0.1	248	10.6	11.1
700	3090	3111	3068	4.1	13.2	-5.0	-4.8	257	12.2	12.8
650	3687	3716	3654	0.6	9.0	-8.9	-9.7	264	14.4	15.2
600	4328	4353	4303	-2.6	8.8	-13.1	-13.9	268	16.9	17.7
550	5014	5049	4976	-6.4	5.8	-17.9	-18.5	270	18.8	19.6
500	5753	5784	5715	-11.1	0.8	-22.1	-23.1	272	20.7	21.7
450	6553	6590	6506	-16.7	-4.5	-27.1	-28.5	272	22.1	23.4
400	7429	7469	7372	-23.2	-10.7	-33.0	-34.1	272	24.6	26.2
350	8395	8445	8322	-30.1	-16.9	-43.0	-40.5	271	28.5	30.5
300	9477	9545	9382	-37.5	-24.9	-51.9	-46.6	269	32.8	35.3
250	10716	10791	10571	-45.3	-33.1	-59.3	-53.1	265	37.9	40.5
200	12179	12273	11989	-53.2	-41.3	-66.7		264	40.0	42.2
175	13028	13126	12816	-57.8	-45.7	-70.1		265	38.4	40.1
150	13986	14114	13760	-62.8	-50.7	-76.1		264	35.3	36.9
125	15095	15234	14858	-68.3	-53.5	-82.3		265	30.6	31.9
100	16419	16614	16175	-72.9	-57.5	-88.0		267	22.9	24.5
80	17727	17931	17489	-73.6	-58.5	-87.0		271	14.6	16.4
70	18512	18750	18279	-71.6	-55.1	-84.5		272	9.3	12.3
60	19432	19717	19202	-67.9	-50.5	-80.0		264	5.8	10.2
50	20544	20891	20379	-63.1	-47.3	-78.0		254	3.9	9.1
40	21928	22353	21698	-59.4	-46.1	-80.0		251	2.1	7.7
30	23736	24048	23439	-55.8	-45.5	-71.0				
25	24903	25260	24582	-54.0	-43.3	-68.0				
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
638	3840	4230	3420	222	11560	-54.8	097	16660	-75.1

NORMALS OF RADIOSONDE DATA

MONTH : APRIL TIME : 1730 IST STATION : GUWAHATI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	999	1003	997	28.5	36.4	20.0	19.1	036	0.7	2.3
1000	42	73	21	27.5	36.0	20.0	18.7	044	1.2	2.1
950	490	515	470	25.3	34.4	17.0	16.6	028	0.7	4.5
925	733	755	713	24.6	31.4	16.8	16.3	243	1.1	4.4
900	968	993	944	22.1	31.0	14.0	14.2	246	2.3	4.7
850	1462	1485	1438	18.8	26.2	10.0	11.6	242	6.1	7.1
800	1980	2004	1953	15.3	21.2	8.2	8.3	246	8.9	9.5
750	2519	2549	2490	11.5	17.2	3.8	3.8	253	11.0	11.6
700	3096	3124	3063	7.4	14.0	-0.3	-1.1	261	12.4	13.2
650	3699	3730	3662	3.5	11.0	-5.1	-6.0	266	13.5	14.4
600	4348	4377	4313	-0.3	12.0	-8.7	-10.7	269	14.6	15.6
550	5039	5073	5001	-4.0	6.0	-12.7	-15.7	270	15.5	16.6
500	5786	5820	5746	-8.6	0.0	-18.1	-20.5	272	15.9	17.1
450	6592	6628	6547	-14.1	-4.9	-24.0	-25.6	273	17.4	18.7
400	7478	7522	7422	-20.5	-9.1	-32.1	-31.4	272	19.1	20.6
350	8452	8510	8387	-27.5	-15.3	-37.7	-37.8	271	21.9	23.7
300	9546	9619	9461	-35.2	-22.5	-49.7	-44.3	268	25.4	27.5
250	10794	10889	10682	-43.6	-32.1	-56.1	-51.6	266	29.8	32.2
200	12267	12375	12130	-52.6	-42.9	-64.1		264	33.2	35.4
175	13119	13232	12981	-57.4	-48.1	-69.0		265	32.2	33.9
150	14084	14209	13942	-62.7	-50.1	-72.0		266	29.2	30.6
125	15193	15334	15041	-68.3	-56.0	-78.1		268	24.2	25.3
100	16514	16699	16358	-73.3	-61.1	-82.3		272	16.8	18.3
80	17817	18005	17645	-74.5	-63.1	-83.9		269	8.2	11.2
70	18595	18782	18419	-72.5	-56.0	-82.3		268	4.0	8.8
60	19514	19720	19349	-68.6	-51.3	-79.1		241	1.8	7.0
50	20619	20856	20444	-63.4	-47.1	-77.5		271	0.2	6.1
40	22005	22275	21842	-58.7	-46.1	-72.1		178	0.3	5.6
30	23829	24078	23618	-54.1	-38.7	-72.9		140	0.6	5.6
25	25000	25252	24789	-51.9	-37.1	-72.7				
20	26453	26868	26277	-49.6	-35.1	-72.3				
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
602	4320	4870	3870				096	16830	-75.4

NORMALS OF RADIOSONDE DATA

MONTH : MAY TIME : 1730 IST STATION : GUWAHATI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	997	1000	995	28.9	36.6	19.4	22.7	047	0.6	1.7
1000	23	45	4	27.5	34.0	19.2	21.2	067	1.0	2.1
950	472	497	454	25.9	37.0	17.0	20.3	052	0.9	3.4
925	713	722	698	25.1	35.6	18.6	20.2	145	0.1	3.2
900	952	976	934	22.9	34.0	12.8	17.7	243	1.1	3.7
850	1448	1472	1430	19.9	30.4	11.0	14.9	240	4.2	5.8
800	1969	1992	1949	16.7	27.0	8.0	11.5	242	6.0	7.4
750	2513	2542	2491	13.3	23.2	4.0	7.2	252	7.1	8.5
700	3093	3124	3070	9.7	19.0	0.0	2.5	259	7.7	9.2
650	3705	3740	3677	5.9	15.6	-3.9	-2.1	264	7.9	9.5
600	4356	4397	4323	2.3	11.2	-7.3	-6.1	267	8.1	9.8
550	5056	5100	5014	-1.2	9.0	-11.7	-10.7	266	8.6	10.2
500	5810	5858	5763	-5.2	3.4	-15.9	-15.7	265	9.4	11.1
450	6631	6682	6573	-10.1	-0.3	-21.1	-20.6	265	10.4	12.3
400	7529	7584	7468	-15.7	-3.7	-26.9	-26.1	264	12.4	14.3
350	8525	8580	8446	-22.2	-11.7	-33.0	-32.2	262	15.0	16.9
300	9643	9704	9552	-29.9	-20.7	-42.0	-39.5	259	17.8	19.8
250	10918	10991	10809	-39.1	-30.5	-52.0	-47.7	256	20.2	21.9
200	12412	12497	12288	-50.3	-40.1	-64.9		255	21.5	23.2
175	13272	13368	13143	-56.7	-46.5	-69.9		255	20.7	22.4
150	14236	14346	14100	-63.4	-53.5	-72.1		257	18.9	20.7
125	15337	15468	15196	-70.1	-55.1	-81.1		262	13.9	16.5
100	16641	16809	16486	-75.6	-63.7	-89.9		260	6.7	10.8
80	17930	18122	17743	-76.2	-58.1	-89.0		221	1.3	8.2
70	18708	18940	18486	-73.1	-51.1	-85.0		123	1.8	7.5
60	19631	19865	19353	-67.9	-44.1	-80.0		101	3.2	7.4
50	20746	21001	20376	-62.0	-45.7	-77.0		088	4.9	7.2
40	22144	22443	21775	-57.0	-39.9	-69.0		089	4.9	6.9
30	23996	24351	23422	-52.3	-38.7	-63.3		079	4.8	7.0
25	25171	25564	24595	-50.1	-37.1	-67.1		070	5.2	7.2
20	26632	27120	26450	-48.1	-30.5	-58.1		073	6.4	8.9
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
567	4820	5330	4290				097	16900	-77.4

NORMALS OF RADIOSONDE DATA

MONTH : JUNE TIME : 1730 IST STATION : GUWAHATI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	994	996	991	29.6	36.4	23.2	25.1	359	0.1	1.3
1000	10	34	0							
950	444	481	417	27.0	33.6	20.2	23.0	321	0.3	3.1
925	688	714	668	25.8	31.0	19.8	22.1	236	0.6	3.0
900	925	956	901	24.2	30.0	18.2	20.2	243	1.2	4.0
850	1424	1454	1400	21.4	26.6	15.8	17.5	230	3.0	5.2
800	1949	1976	1923	18.4	24.8	13.2	14.4	227	4.0	6.1
750	2497	2526	2469	15.3	21.6	10.4	11.2	232	4.1	6.5
700	3082	3108	3055	12.2	18.8	6.0	7.3	236	4.0	6.7
650	3700	3728	3668	9.0	16.6	3.0	3.2	238	3.7	6.7
600	4361	4391	4325	5.6	15.2	-0.3	-0.9	240	3.5	6.7
550	5069	5103	5032	1.9	9.0	-4.9	-4.8	241	3.7	6.8
500	5833	5871	5784	-1.9	6.6	-8.0	-9.3	242	4.1	7.0
450	6666	6707	6610	-6.4	1.8	-13.3	-13.9	243	4.3	7.1
400	7578	7623	7506	-11.6	-4.1	-19.9	-19.4	246	4.5	7.4
350	8589	8641	8524	-18.0	-10.3	-27.1	-26.5	251	4.8	7.8
300	9728	9785	9655	-25.9	-17.0	-39.9	-34.2	256	5.2	8.4
250	11022	11087	10881	-35.9	-25.5	-46.1	-43.3	257	5.4	9.1
200	12535	12608	12371	-48.3	-39.0	-58.3		257	4.9	9.6
175	13399	13481	13221	-55.6	-46.1	-68.1		267	4.1	9.9
150	14363	14453	14210	-63.4	-43.1	-76.1		292	3.1	10.0
125	15458	15563	15288	-71.6	-59.0	-81.5		009	2.6	9.8
100	16755	16875	16555	-77.6	-66.5	-85.9		062	5.7	10.3
80	18032	18195	17812	-77.4	-62.3	-87.1		084	9.2	11.3
70	18805	19009	18588	-73.8	-56.1	-86.1		084	10.6	11.8
60	19723	19943	19488	-68.2	-50.1	-83.7		083	10.9	11.8
50	20832	21080	20577	-62.1	-44.3	-80.1		082	12.1	12.9
40	22230	22519	21942	-57.0	-40.3	-77.5		085	13.4	14.0
30	24070	24422	23747	-52.8	-33.1	-69.7		081	13.5	14.1
25	25226	25565	24910	-50.8	-33.7	-66.1		077	14.5	15.2
20	26696	27082	26353	-48.3	-37.5	-62.1		079	15.6	16.3
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
524	5450	5850	4860				097	16960	-79.2

NORMALS OF RADIOSONDE DATA

MONTH : JULY TIME : 1730 IST STATION : GUWAHATI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	993	995	991	29.6	34.8	24.0	25.6	252	0.3	1.3
1000	9	29	0							
950	444	457	424	27.0	32.8	16.2	23.4	287	0.8	3.3
925	682	694	660	25.9	31.0	21.0	22.4	266	0.9	3.2
900	925	937	904	24.1	30.6	19.6	20.9	260	1.5	4.2
850	1425	1437	1402	21.3	27.4	16.8	18.1	231	2.7	5.0
800	1949	1963	1926	18.5	25.2	13.0	15.5	219	3.4	5.7
750	2498	2517	2478	15.5	27.0	9.0	12.3	213	3.2	6.0
700	3084	3103	3060	12.6	18.8	6.0	9.0	207	2.8	6.0
650	3702	3726	3682	9.5	19.6	3.2	5.2	199	2.4	5.9
600	4365	4389	4342	6.2	12.8	-0.3	1.2	195	2.0	5.8
550	5075	5102	5043	2.5	8.6	-4.1	-2.8	189	1.6	5.6
500	5840	5871	5812	-1.5	4.8	-8.1	-7.4	178	1.2	5.4
450	6673	6714	6635	-5.9	-0.1	-12.1	-12.5	157	0.9	5.2
400	7588	7633	7547	-11.2	-5.9	-18.1	-18.5	109	1.1	5.3
350	8600	8648	8551	-17.6	-9.9	-25.7	-25.6	073	1.9	5.7
300	9740	9803	9681	-25.5	-18.5	-35.1	-33.9	062	3.0	6.5
250	11037	11118	10958	-35.7	-23.7	-47.1	-43.6	060	4.7	8.1
200	12548	12654	12443	-48.5	-40.0	-68.7	-53.7	060	6.5	10.2
175	13413	13533	13287	-56.1	-45.0	-66.9		062	7.8	11.3
150	14375	14516	14228	-64.2	-53.5	-74.9		064	10.0	13.4
125	15467	15631	15299	-72.2	-60.5	-83.0		065	12.9	15.0
100	16760	16954	16581	-77.6	-66.9	-86.1		071	16.3	17.3
80	18045	18266	17866	-75.5	-58.7	-87.7		080	17.7	18.3
70	18827	19064	18646	-71.2	-54.1	-83.9		081	17.5	18.2
60	19751	20013	19564	-66.0	-48.5	-81.0		083	17.3	17.9
50	20870	21164	20628	-61.0	-46.3	-75.0		083	17.8	18.5
40	22275	22611	21988	-56.7	-39.7	-69.1		085	18.2	18.9
30	24122	24533	23788	-52.7	-34.1	-65.9		081	20.3	21.0
25	25301	25702	24963	-50.9	-35.9	-67.5		080	21.2	22.1
20	26773	27265	26495	-49.0	-34.9	-64.1				
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
518	5550	6000	5140				099	16830	-78.9

NORMALS OF RADIOSONDE DATA

MONTH : AUGUST TIME : 1730 IST STATION : GUWAHATI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	994	996	992	29.6	35.2	23.8	25.6	222	0.2	1.4
1000	8	20	0							
950	452	472	423	27.1	33.0	20.4	23.0	284	0.4	3.4
925	698	710	685	25.9	32.2	21.2	21.7	285	0.5	3.2
900	935	952	912	24.2	31.6	17.0	20.6	264	0.6	4.1
850	1434	1453	1410	21.4	29.4	14.6	17.8	202	1.2	4.7
800	1959	1979	1934	18.5	27.0	12.0	14.9	187	2.0	5.0
750	2507	2535	2480	15.5	22.2	7.8	11.7	177	2.2	5.2
700	3093	3119	3066	12.4	18.8	3.4	8.4	162	2.0	5.5
650	3711	3741	3684	9.3	16.0	3.6	4.5	151	1.9	5.6
600	4373	4404	4343	5.9	12.6	0.2	0.5	147	1.9	5.6
550	5083	5119	5047	2.1	8.8	-3.1	-3.4	142	1.7	5.4
500	5846	5885	5808	-1.9	4.0	-8.7	-7.8	129	1.7	5.1
450	6678	6722	6635	-6.4	-0.7	-13.9	-13.1	109	1.8	5.0
400	7591	7639	7546	-11.7	-4.7	-19.0	-19.1	091	2.1	5.2
350	8602	8656	8550	-18.2	-10.9	-25.5	-26.4	073	2.8	5.6
300	9738	9801	9679	-26.3	-17.3	-34.1	-34.4	062	4.0	6.7
250	11030	11107	10956	-36.5	-27.3	-45.9	-43.9	058	5.2	8.0
200	12536	12626	12440	-49.4	-40.3	-60.0		058	6.5	10.0
175	13396	13505	13285	-56.9	-45.7	-68.0		058	7.9	11.2
150	14353	14475	14222	-64.9	-52.9	-75.5		060	9.5	12.5
125	15442	15586	15286	-72.6	-60.1	-84.1		065	12.1	13.9
100	16735	16905	16550	-77.6	-67.3	-88.3		075	15.0	15.9
80	18019	18214	17796	-75.0	-59.1	-89.1		082	15.3	16.0
70	18805	19010	18573	-70.7	-55.1	-83.1		082	15.5	16.0
60	19729	19935	19473	-65.8	-51.9	-80.0		084	16.0	16.6
50	20851	21077	20578	-61.4	-49.5	-76.0		085	16.9	17.3
40	22248	22490	21950	-57.5	-41.5	-69.0		086	17.9	18.4
30	24099	24352	23739	-53.9	-41.7	-63.5		083	19.6	20.2
25	25287	25541	24903	-51.9	-40.1	-60.7		082	20.6	21.1
20	26761	26999	26568	-50.1	-40.5	-59.1				
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
523	5480	5910	5120				101	16710	-78.7

NORMALS OF RADIOSONDE DATA

MONTH : SEPTEMBER TIME : 1730 IST STATION : GUWAHATI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	998	1000	997	28.8	34.2	21.2	24.9	234	0.1	1.1
1000	34	48	21	27.9	32.2	20.8	24.0	246	0.2	1.4
950	484	500	472	26.1	32.0	18.0	22.2	266	0.7	3.3
925	724	737	714	25.1	31.0	20.4	20.8	267	0.9	3.1
900	965	978	955	23.2	30.0	16.0	19.6	257	1.7	4.1
850	1462	1476	1451	20.4	26.8	13.8	16.5	240	2.7	4.9
800	1984	1997	1972	17.4	25.0	11.2	13.5	232	3.1	5.2
750	2530	2546	2513	14.3	20.0	9.0	10.3	226	2.9	5.3
700	3114	3133	3100	11.2	17.2	5.0	6.3	225	2.7	5.4
650	3727	3748	3708	7.9	13.8	3.0	2.2	229	2.5	5.5
600	4387	4415	4364	4.4	10.6	-1.3	-1.9	234	2.7	5.8
550	5091	5120	5065	0.6	7.2	-5.9	-5.8	239	2.9	5.8
500	5851	5890	5820	-3.4	4.2	-9.0	-10.3	240	2.7	5.6
450	6678	6716	6644	-8.1	-0.9	-18.1	-15.4	241	2.6	5.7
400	7585	7635	7546	-13.6	-5.9	-23.5	-21.2	245	2.6	6.0
350	8588	8642	8547	-20.2	-12.3	-28.0	-28.2	255	2.7	6.6
300	9715	9776	9657	-28.4	-20.0	-37.0	-36.2	263	2.9	7.5
250	10995	11059	10921	-38.8	-30.1	-49.7	-45.2	269	3.2	8.3
200	12486	12562	12385	-51.6	-41.1	-68.0		280	3.3	9.4
175	13340	13423	13235	-58.9	-48.0	-72.5		299	2.8	9.7
150	14291	14380	14171	-66.6	-54.9	-79.5		337	2.2	9.7
125	15375	15481	15230	-74.0	-59.7	-84.0		041	2.8	8.8
100	16658	16769	16498	-78.9	-67.0	-88.9		083	5.1	8.5
80	17934	18080	17775	-75.7	-57.0	-87.1		093	7.0	8.8
70	18718	18864	18562	-70.9	-52.0	-83.3		090	7.4	8.8
60	19641	19795	19403	-66.0	-53.3	-77.5		085	8.8	9.6
50	20759	20922	20454	-61.9	-47.3	-74.0		088	10.9	11.5
40	22153	22336	21967	-58.3	-46.7	-70.7		089	11.9	12.4
30	23989	24199	23705	-54.4	-39.9	-65.0		083	12.3	12.8
25	25162	25385	24870	-52.5	-36.5	-61.3		079	13.7	14.3
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
542	5210	5600	4840				102	16550	-80.0

NORMALS OF RADIOSONDE DATA

MONTH : OCTOBER TIME : 1730 IST STATION : GUWAHATI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1002	1006	999	27.6	32.2	19.0	22.8	052	0.3	0.8
1000	73	102	45	27.2	32.2	19.0	22.4	047	0.4	1.1
950	521	552	495	24.5	33.0	16.0	19.4	057	0.9	3.1
925	760	784	746	23.4	31.8	16.8	18.1	076	0.5	2.6
900	998	1024	975	21.4	32.0	14.0	16.2	221	0.5	3.4
850	1491	1515	1471	18.2	29.0	12.0	12.0	232	1.9	4.2
800	2009	2032	1987	15.0	25.0	9.0	7.7	232	2.9	4.8
750	2549	2569	2533	11.6	21.0	5.8	3.8	237	3.4	5.1
700	3126	3150	3108	8.3	16.8	1.4	-1.0	248	3.7	5.5
650	3734	3761	3713	4.8	12.6	-3.1	-5.1	258	4.9	6.5
600	4383	4410	4361	1.4	9.6	-7.0	-8.2	262	6.8	8.1
550	5082	5112	5059	-2.3	6.0	-11.9	-11.7	261	8.7	10.0
500	5831	5868	5803	-6.5	2.0	-17.9	-15.5	259	10.5	11.7
450	6649	6690	6610	-11.4	-2.0	-21.9	-20.2	260	12.5	13.7
400	7542	7592	7491	-17.1	-7.0	-27.7	-26.3	260	14.4	15.7
350	8531	8586	8463	-23.9	-14.3	-35.1	-32.6	259	16.5	17.9
300	9641	9701	9555	-32.0	-22.5	-43.5	-40.2	257	18.5	20.0
250	10903	10976	10796	-41.7	-32.3	-54.5	-48.9	257	20.2	21.8
200	12379	12468	12248	-53.6	-44.1	-69.1		257	20.7	22.5
175	13226	13319	13086	-60.3	-50.9	-74.5		257	19.8	21.6
150	14169	14274	14005	-67.4	-56.3	-79.5		258	18.0	19.7
125	15250	15358	15074	-74.0	-60.3	-83.1		257	14.5	16.4
100	16537	16652	16350	-78.0	-64.9	-88.5		256	8.4	11.2
80	17820	17933	17639	-74.5	-57.5	-84.1		238	3.1	7.1
70	18603	18740	18416	-70.0	-55.5	-82.3		210	1.5	6.5
60	19532	19660	19333	-65.3	-52.7	-78.0		105	1.6	6.1
50	20658	20792	20439	-61.5	-49.1	-72.0		090	3.3	6.2
40	22059	22196	21849	-57.9	-47.1	-68.3		094	3.8	6.2
30	23884	24065	23412	-54.5	-45.1	-65.1		080	4.6	7.2
25	25030	25255	24527	-53.0	-44.7	-64.0		081	5.7	8.2
20	26466	26702	26160	-51.4	-44.1	-59.5				
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
581	4650	5040	4160				105	16280	-79.0

NORMALS OF RADIOSONDE DATA

MONTH : NOVEMBER TIME : 1730 IST STATION : GUWAHATI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1006	1008	1004	24.4	29.4	17.4	19.4	058	0.4	0.6
1000	102	129	86	24.1	29.2	17.0	18.8	057	1.1	1.4
950	545	568	528	21.4	29.4	15.2	15.1	069	2.5	3.4
925	782	793	770	20.3	28.4	14.4	13.6	082	1.8	3.0
900	1015	1034	1003	18.2	26.6	11.2	11.8	096	1.4	3.1
850	1503	1522	1486	15.0	23.0	6.8	7.2	176	0.9	3.6
800	2014	2033	1992	11.5	22.0	4.0	3.0	217	2.0	4.1
750	2546	2571	2516	8.0	22.2	0.8	-1.5	232	2.9	5.1
700	3116	3139	3083	4.6	14.0	-3.7	-6.6	253	4.1	6.2
650	3715	3743	3666	1.6	12.4	-6.9	-10.8	265	6.9	8.7
600	4358	4383	4313	-1.1	8.0	-10.3	-14.0	268	11.0	12.2
550	5049	5079	4993	-4.8	4.4	-14.3	-17.9	267	14.2	15.3
500	5791	5825	5720	-9.5	-0.7	-19.1	-22.0	268	17.2	18.4
450	6598	6650	6500	-14.8	-5.3	-25.9	-26.7	267	20.0	21.4
400	7478	7537	7360	-20.9	-11.5	-33.1	-32.1	267	23.4	25.1
350	8452	8515	8370	-27.6	-18.0	-40.1	-38.0	266	27.3	29.3
300	9545	9636	9453	-35.1	-25.9	-46.3	-44.7	264	31.8	33.9
250	10792	10899	10680	-44.1	-34.9	-54.0		262	35.8	38.0
200	12256	12382	12114	-54.7	-40.1	-66.1		260	36.8	39.3
175	13098	13231	12937	-60.7	-46.3	-72.5		260	35.2	37.7
150	14044	14184	13862	-66.5	-55.5	-78.9		262	31.7	33.5
125	15129	15279	14931	-71.9	-60.1	-84.7		264	26.2	27.6
100	16432	16579	16221	-75.7	-62.9	-86.9		266	17.8	19.5
80	17725	17883	17524	-74.8	-60.1	-84.0		267	10.6	12.5
70	18504	18683	18300	-71.3	-55.1	-84.0		267	7.2	9.8
60	19425	19612	19216	-66.4	-53.1	-80.7		267	4.9	8.3
50	20545	20732	20321	-61.9	-48.1	-74.1		258	3.8	7.5
40	21940	22126	21701	-58.2	-44.3	-72.9		258	2.4	6.5
30	23767	23957	23518	-55.2	-45.9	-70.0		264	1.3	7.0
25	24913	25066	24607	-53.6	-44.1	-67.0				
20	26363	26607	26102	-51.6	-42.5	-61.5				
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
621	4090	4570	2850				102	16380	-76.8

NORMALS OF RADIOSONDE DATA

MONTH : DECEMBER TIME : 1730 IST STATION : GUWAHATI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1008	1010	1006	20.8	27.0	14.2	15.4	051	0.3	0.4
1000	121	134	97	20.6	25.2	15.0	14.8	054	1.2	1.6
950	558	572	533	18.0	24.6	11.2	11.0	067	2.1	3.2
925	789	799	779	16.8	23.6	10.4	9.4	078	2.0	2.9
900	1023	1033	993	14.7	21.2	8.0	7.7	090	0.9	2.9
850	1504	1516	1472	11.4	19.0	4.8	3.1	194	0.9	3.4
800	2008	2024	1972	8.1	18.4	0.8	-0.9	215	2.0	4.1
750	2536	2553	2498	4.8	14.4	-3.3	-5.0	235	2.9	5.3
700	3097	3120	3058	2.1	12.6	-5.9	-10.2	264	5.3	7.7
650	3694	3719	3651	-0.1	10.4	-8.3	-14.3	270	10.1	11.7
600	4331	4359	4287	-2.8	8.0	-13.1	-17.6	270	14.9	15.9
550	5018	5050	4973	-6.5	4.2	-18.3	-20.8	271	18.7	19.7
500	5754	5793	5709	-11.3	-0.3	-24.1	-24.6	271	21.8	22.9
450	6554	6603	6507	-16.8	-4.9	-30.9	-29.0	271	25.0	26.3
400	7429	7483	7375	-23.2	-10.5	-38.5	-34.1	271	29.2	30.5
350	8393	8470	8320	-30.0	-17.5	-47.0	-39.6	270	34.1	35.6
300	9476	9575	9379	-37.5	-24.9	-49.7	-46.6	269	39.0	40.7
250	10712	10837	10586	-45.8	-32.7	-57.1		266	44.1	46.0
200	12167	12312	12013	-55.1	-42.7	-66.3		263	45.5	47.6
175	13006	13156	12848	-60.0	-46.1	-72.3		261	43.7	45.2
150	13957	14103	13791	-64.8	-52.5	-77.3		262	40.4	41.9
125	15055	15195	14891	-69.5	-55.9	-84.1		264	34.9	36.0
100	16373	16496	16225	-73.3	-58.5	-86.3		266	27.8	28.9
80	17679	17818	17515	-73.3	-58.1	-86.0		269	18.3	19.6
70	18467	18598	18307	-71.5	-57.9	-82.7		269	13.9	15.7
60	19385	19536	19163	-67.6	-52.7	-84.3		266	10.2	12.8
50	20496	20655	20292	-62.8	-50.1	-77.0		263	6.5	10.0
40	21880	22060	21610	-59.3	-46.1	-75.0		256	5.8	9.0
30	23692	23918	23499	-56.0	-46.1	-69.0				
25	24859	25082	24579	-54.0	-36.9	-69.9				
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
656	3640	4060	3160				101	16370	-74.7

NORMALS OF RADIOSONDE DATA

MONTH : JANUARY TIME : 1730 IST STATION : GWALIOR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	991	993	990	20.4	28.0	9.8	8.0	356	0.6	1.0
1000	128	144	115							
950	555	577	513	16.8	28.0	6.6	4.5	359	2.2	3.9
925	788	802	764	15.1	26.4	6.0	3.4	329	2.2	4.0
900	1026	1043	1015	13.6	25.0	2.6	1.3	308	2.2	4.2
850	1505	1523	1493	10.7	22.0	0.4	-2.0	285	3.9	5.5
800	2008	2028	1992	8.1	18.8	-1.9	-4.8	279	6.0	7.2
750	2536	2560	2518	5.5	16.4	-5.3	-7.1	276	8.2	9.3
700	3098	3125	3071	2.6	13.0	-8.5	-10.6	275	10.3	11.5
650	3691	3721	3645	-0.8	9.4	-10.5	-14.0	275	12.6	13.8
600	4329	4358	4293	-4.5	5.4	-12.9	-17.3	274	15.1	16.4
550	5009	5040	4968	-8.7	0.8	-17.7	-21.6	274	18.4	19.5
500	5741	5779	5692	-13.5	-4.9	-25.1	-25.6	274	21.6	23.0
450	6535	6579	6487	-18.8	-10.5	-28.9	-29.7	273	25.6	27.1
400	7403	7458	7352	-24.7	-13.7	-33.7	-35.4	272	29.7	31.7
350	8365	8452	8308	-31.1	-19.5	-42.3		272	34.4	36.9
300	9442	9549	9375	-38.1	-27.3	-53.5		271	39.2	41.9
250	10673	10787	10570	-45.8	-35.5	-61.1		269	42.5	45.8
200	12127	12290	11989	-53.7	-42.1	-66.7		266	44.5	46.7
175	12965	13163	12693	-57.8	-43.3	-74.1				
150	13921	14109	13632	-62.6	-49.9	-75.3				
125	15015	15270	14694	-67.5	-54.3	-77.1				
100	16350	16740	16000	-70.9	-59.7	-81.9				
80	17674	18092	17406	-70.8	-56.3	-80.5				
70	18467	18777	18193	-69.5	-56.7	-82.5				
60	19394	19716	19024	-66.6	-51.9	-78.1				
50	20502	20855	20131	-63.2	-49.9	-72.5				
40	21891	22272	21504	-59.3	-46.3	-68.7				
30										
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
663	3550	3920	3150				102	16320	-72.9

NORMALS OF RADIOSONDE DATA

MONTH : FEBRUARY TIME : 1730 IST STATION : GWALIOR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	989	991	988	24.5	34.4	13.4	7.4	344	0.7	1.1
1000	106	125	96							
950	536	571	496	20.7	29.4	9.4	4.4	351	2.6	4.6
925	774	800	753	18.6	27.2	11.2	3.7	326	2.5	4.6
900	1016	1036	1005	16.9	26.6	6.4	1.9	312	2.5	4.8
850	1499	1527	1484	13.2	24.6	3.8	-1.0	282	3.8	5.7
800	2005	2037	1983	9.8	20.8	0.0	-3.4	276	5.5	7.0
750	2534	2575	2508	6.5	16.0	-4.3	-6.6	274	7.9	9.5
700	3100	3141	3070	3.1	13.8	-8.3	-10.1	274	10.4	12.0
650	3694	3733	3661	-0.4	10.6	-11.3	-13.1	274	12.9	14.4
600	4333	4383	4293	-4.2	7.0	-18.9	-16.0	275	15.5	16.9
550	5015	5080	4970	-8.3	3.4	-22.3	-19.6	275	18.5	20.0
500	5747	5812	5695	-13.1	-1.5	-26.1	-24.0	275	21.8	23.3
450	6543	6624	6488	-18.2	-5.5	-32.1	-28.7	274	25.4	27.1
400	7413	7491	7354	-24.0	-8.9	-36.9	-33.9	273	29.3	31.4
350	8377	8476	8313	-30.3	-15.5	-47.1		274	32.6	35.0
300	9458	9546	9386	-37.2	-20.1	-49.9		274	37.6	40.5
250	10701	10799	10609	-44.4	-24.1	-59.9		273	42.2	45.6
200	12165	12288	12064	-52.8	-34.9	-64.5		273	46.6	49.6
175	13019	13165	12886	-57.1	-42.3	-75.1		273	43.7	46.4
150	13987	14147	13798	-61.7	-47.9	-77.1		275	44.0	46.9
125	15095	15311	14865	-66.3	-53.3	-81.1				
100	16428	16685	16125	-70.5	-58.7	-81.1				
80	17749	18098	17328	-70.9	-59.9	-83.9				
70	18546	18923	18410	-69.0	-57.1	-85.9				
60	19468	19842	19325	-65.9	-54.3	-83.1				
50	20590	20962	20412	-61.7	-49.7	-76.3				
40	21988	22361	21759	-58.1	-47.1	-72.3				
30	23815	24355	23505	-55.0	-44.3	-69.1				
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
659	3610	4110	3090				100	16510	-72.2

NORMALS OF RADIOSONDE DATA

MONTH : MARCH TIME : 1730 IST STATION : GWALIOR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	985	987	983	30.3	40.0	17.4	6.7	328	1.1	1.9
1000	74	88	48							
950	513	535	471	26.6	42.4	13.6	5.1	333	3.5	5.3
925	758	772	732	24.7	39.6	14.6	5.5	325	3.8	5.7
900	1002	1012	984	22.3	35.6	9.0	3.2	312	3.8	5.5
850	1494	1505	1478	18.0	32.8	6.4	1.0	290	4.5	6.0
800	2008	2025	1989	13.6	26.6	0.2	-1.2	278	5.6	7.1
750	2545	2570	2523	9.5	22.2	-1.1	-3.9	272	7.8	9.2
700	3115	3145	3089	5.3	17.2	-4.9	-7.0	270	10.2	11.7
650	3715	3755	3686	1.3	12.8	-6.9	-10.8	270	13.1	14.5
600	4357	4401	4321	-2.7	8.0	-11.7	-14.8	271	15.9	17.3
550	5043	5090	5005	-7.0	2.6	-16.3	-18.7	271	17.9	19.3
500	5779	5833	5740	-11.7	-1.3	-20.3	-22.8	272	20.4	22.0
450	6580	6634	6535	-17.0	-5.7	-25.1	-27.2	272	23.7	25.4
400	7453	7511	7400	-23.0	-12.1	-33.1	-32.7	273	26.6	28.4
350	8421	8483	8343	-29.7	-13.3	-41.7	-38.4	274	29.4	31.3
300	9503	9598	9370	-37.0	-19.1	-51.3		275	34.5	37.1
250	10741	10872	10554	-44.9	-29.1	-58.5		274	39.1	41.8
200	12205	12402	11889	-52.7	-41.3	-63.9		272	40.2	43.1
175	13055	13262	12710	-56.6	-44.1	-68.5		269	39.6	42.1
150	14020	14265	13649	-61.0	-48.1	-73.5		268	38.8	40.8
125	15136	15387	14738	-65.8	-53.1	-76.5		270	34.7	36.2
100	16467	16686	16146	-69.9	-57.1	-82.3				
80	17788	18049	17416	-70.2	-48.9	-83.7				
70	18587	18864	18207	-68.2	-46.1	-83.5				
60	19521	19800	19039	-65.1	-43.3	-80.1				
50	20635	20942	20090	-61.2	-39.9	-75.9				
40	22017	22371	21428	-57.6	-45.1	-71.3				
30	23846	24261	23222	-53.3	-39.5	-70.5				
25	25026	25472	24290	-51.3	-36.1	-67.3				
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
634	3920	4380	3580				102	16580	-71.8

NORMALS OF RADIOSONDE DATA

MONTH : APRIL TIME : 1730 IST STATION : GWALIOR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	981	983	978	36.9	43.6	20.8	7.4	311	1.7	2.2
1000	30	50	6							
950	479	509	444	33.8	44.2	19.6	6.1	316	4.6	5.9
925	732	749	706	31.4	44.6	18.0	5.9	311	4.2	5.7
900	978	993	959	29.5	40.0	18.0	4.8	307	5.0	6.2
850	1483	1496	1463	24.8	36.0	11.0	2.8	297	5.4	6.4
800	2008	2022	1992	20.1	31.6	9.4	0.8	288	5.7	6.7
750	2554	2571	2525	15.0	28.0	4.6	-1.7	280	6.7	7.6
700	3137	3154	3114	9.9	25.2	-0.9	-4.7	274	7.8	8.8
650	3742	3783	3706	4.8	16.6	-5.5	-7.8	273	9.7	10.9
600	4392	4418	4356	0.1	11.0	-9.7	-11.9	273	11.7	12.8
550	5087	5125	5047	-4.4	5.8	-14.7	-16.8	276	13.5	14.7
500	5828	5871	5790	-9.4	3.4	-18.9	-21.4	277	15.0	16.3
450	6635	6689	6591	-15.0	-4.9	-28.7	-26.6	277	16.6	18.1
400	7515	7579	7460	-21.3	-7.5	-32.1	-31.3	277	19.0	20.8
350	8487	8568	8419	-28.2	-12.5	-39.7	-37.3	275	21.5	23.8
300	9578	9681	9490	-35.8	-21.1	-46.7		273	24.9	27.7
250	10823	10956	10715	-44.0	-30.1	-58.3		272	29.1	32.1
200	12294	12455	12164	-52.0	-37.5	-68.5		271	30.6	33.8
175	13146	13311	13020	-56.0	-43.1	-69.1		268	31.3	33.9
150	14113	14289	13973	-60.5	-48.3	-73.5		268	30.7	33.1
125	15230	15470	15023	-65.5	-53.1	-78.1		269	26.6	28.3
100	16573	16852	16366	-69.9	-56.9	-86.1		272	19.7	22.3
80	17903	18239	17659	-70.0	-54.1	-84.9		275	11.2	15.5
70	18704	19100	18440	-68.1	-51.7	-82.1		279	6.8	13.8
60	19628	19999	19352	-64.4	-47.9	-79.5				
50	20748	21106	20457	-59.5	-44.5	-74.9				
40	22164	22513	21855	-54.9	-37.1	-69.1				
30	23983	24433	23739	-50.7	-35.1	-61.9				
25	25168	25677	24933	-48.4	-31.3	-59.1				
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
599	4420	4950	3960				97	16820	-71.1

NORMALS OF RADIOSONDE DATA

MONTH : MAY TIME : 1730 IST STATION : GWALIOR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	977	981	974	39.7	46.0	22.8	10.8	304	1.9	2.7
1000	17	33	0							
950	447	492	393	36.7	47.2	19.2	9.8	312	4.2	6.0
925	696	715	658	34.4	49.0	23.8	9.5	306	4.8	6.5
900	951	977	928	32.2	45.8	19.8	8.2	307	4.7	6.3
850	1460	1480	1439	27.7	41.4	16.2	6.3	299	5.1	6.6
800	1991	2013	1974	23.0	34.4	12.6	4.5	295	5.7	6.9
750	2544	2573	2531	18.0	30.8	8.2	2.3	287	6.3	7.4
700	3132	3165	3111	12.7	25.2	3.6	-0.5	284	7.3	8.3
650	3744	3785	3714	7.4	19.4	-3.1	-4.3	283	8.3	9.3
600	4401	4444	4366	2.3	15.6	-7.1	-8.9	284	9.1	10.5
550	5101	5146	5053	-2.3	6.4	-12.1	-13.8	285	10.0	11.5
500	5849	5900	5794	-6.8	3.0	-16.3	-19.4	285	10.8	12.5
450	6665	6720	6597	-11.8	0.4	-21.9	-24.2	286	12.0	14.0
400	7556	7636	7474	-17.6	-4.1	-29.5	-29.6	282	13.6	16.0
350	8542	8633	8438	-24.2	-11.3	-36.5		277	16.0	18.6
300	9653	9781	9522	-31.3	-17.7	-45.1		272	18.1	21.0
250	10922	11099	10752	-39.7	-26.3	-53.9		266	21.0	23.8
200	12414	12645	12216	-49.4	-33.1	-62.7		261	22.2	25.2
175	13282	13556	13056	-54.7	-38.1	-69.7		257	21.7	24.3
150	14254	14554	14014	-60.5	-46.5	-77.5		256	18.9	21.5
125	15370	15840	15120	-66.9	-50.3	-81.5		255	13.8	16.9
100	16699	17218	16438	-71.7	-55.3	-85.5		257	8.6	12.1
80	18007	18544	17747	-72.5	-56.3	-87.5		227	1.8	9.9
70	18800	19202	18546	-69.6	-51.7	-83.1		119	2.0	9.1
60	19728	20170	19477	-64.7	-46.7	-77.9		124	3.3	9.0
50	20857	21312	20584	-58.6	-40.1	-72.1				
40	22276	22738	21978	-53.1	-36.5	-66.9				
30	24137	24693	23756	-48.5	-35.9	-63.5				
25	25351	25907	25039	-46.3	-32.1	-61.3				
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
575	4750	5510	4270				96	16990	-74.0

NORMALS OF RADIOSONDE DATA

MONTH : JUNE TIME : 1730 IST STATION : GWALIOR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	973	975	971	38.1	45.6	23.2	17.2	326	0.8	2.3
1000	39	63	6							
950	419	471	386	35.5	45.8	22.0	15.7	330	2.5	6.0
925	661	685	633	32.9	44.6	22.8	14.7	322	2.5	6.2
900	917	956	892	31.4	42.0	16.8	13.8	325	3.2	6.3
850	1426	1462	1404	27.1	37.4	13.8	11.9	320	3.8	6.4
800	1958	1990	1936	22.8	32.0	11.8	9.8	315	4.2	6.8
750	2513	2542	2491	18.2	28.4	9.4	7.1	313	4.6	7.1
700	3101	3125	3078	13.7	23.2	5.8	3.7	310	5.1	7.6
650	3717	3738	3692	9.0	18.8	1.6	-0.7	307	5.2	8.0
600	4378	4415	4351	4.8	14.2	-4.5	-4.7	308	6.0	8.5
550	5089	5143	5053	0.7	11.8	-8.9	-8.4	303	5.9	8.7
500	5843	5894	5813	-3.1	6.8	-14.3	-12.4	299	5.9	8.8
450	6676	6750	6627	-7.1	3.4	-18.7	-16.6	293	6.0	9.3
400	7582	7652	7523	-11.9	-2.7	-25.5	-21.6	284	6.2	9.8
350	8594	8683	8512	-18.0	-8.1	-31.9	-28.0	278	6.1	10.1
300	9730	9835	9621	-25.6	-15.3	-38.9	-34.0	263	6.7	10.6
250	11026	11145	10878	-35.2	-25.3	-50.3		251	6.7	11.2
200	12543	12686	12351	-47.0	-37.1	-61.1		241	6.1	11.9
175	13417	13584	13210	-53.9	-41.7	-69.9		231	5.4	11.9
150	14394	14570	14139	-61.5	-46.5	-79.3		208	3.3	11.5
125	15501	15719	15243	-69.4	-50.5	-79.9		160	3.1	11.1
100	16818	17068	16533	-75.5	-53.9	-86.1		108	5.1	10.6
80	18100	18658	17816	-75.2	-59.1	-86.5		098	8.5	10.6
70	18889	19484	18596	-71.1	-50.9	-85.3		097	9.7	11.5
60	19797	20242	19459	-65.3	-47.9	-82.7				
50	20917	21386	20595	-59.1	-40.5	-78.3				
40	22325	22603	21957	-54.0	-36.9	-72.5				
30	24209	24425	23875	-49.2	-35.1	-65.3				
25	25398	25596	24799	-47.4	-34.5	-66.7				
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
539	5250	5880	4840				96	17060	-77.6

NORMALS OF RADIOSONDE DATA

MONTH : JULY TIME : 1730 IST STATION : GWALIOR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	973	975	971	32.2	43.2	20.0	23.9	275	0.7	2.0
1000	35	58	17							
950	411	440	359	30.3	41.0	20.4	22.5	287	1.2	5.4
925	652	672	620	28.7	39.8	21.4	20.9	282	0.9	5.8
900	907	927	895	26.9	38.6	15.2	20.1	297	1.5	5.9
850	1411	1430	1399	23.4	34.6	10.6	18.0	304	1.8	6.3
800	1939	1957	1927	20.1	30.2	10.8	15.2	311	1.7	6.6
750	2493	2508	2477	16.7	25.6	9.2	12.2	320	2.0	6.8
700	3078	3095	3065	13.5	20.4	4.6	8.4	326	2.0	6.8
650	3696	3716	3680	10.2	18.0	0.6	4.0	343	2.1	6.9
600	4361	4388	4338	6.7	14.2	-2.7	-0.1	350	2.1	6.9
550	5077	5124	5045	3.1	13.2	-5.1	-4.0	002	1.3	6.7
500	5838	5881	5794	-0.9	7.2	-10.9	-8.5	030	0.9	6.8
450	6678	6733	6624	-5.0	3.0	-14.7	-13.3	059	1.0	6.4
400	7592	7653	7528	-10.1	-1.9	-19.7	-18.7	075	1.3	6.8
350	8607	8675	8532	-16.2	-7.1	-28.1	-24.8	092	2.5	7.1
300	9758	9860	9659	-23.6	-12.5	-34.5	-31.9	091	3.9	7.8
250	11064	11183	10943	-33.4	-23.9	-44.5	-40.5	096	5.4	8.5
200	12591	12722	12438	-45.8	-34.7	-58.9		089	7.5	10.4
175	13465	13611	13296	-53.3	-41.1	-66.1		085	8.8	11.5
150	14441	14602	14254	-61.5	-50.1	-75.1		082	10.5	13.4
125	15546	15761	15331	-69.9	-56.7	-84.9		080	13.9	15.7
100	16846	17095	16624	-75.9	-62.9	-87.1		082	17.4	18.6
80	18134	18376	17902	-74.1	-56.9	-86.7		086	18.4	19.0
70	18921	19221	18699	-69.8	-52.5	-83.5		085	18.0	18.9
60	19848	20096	19646	-64.0	-48.3	-78.1		085	18.1	19.9
50	20982	21256	20769	-59.1	-47.1	-72.1		085	18.3	19.1
40	22400	22687	22166	-54.4	-37.5	-67.9				
30	24251	24583	23958	-50.2	-36.5	-61.7				
25	25426	25826	25135	-48.3	-38.1	-59.9				
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
511	5660	6210	5110				99	16950	-77.9

NORMALS OF RADIOSONDE DATA

MONTH : AUGUST TIME : 1730 IST STATION : GWALIOR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	976	977	974	30.8	39.6	23.4	24.6	288	0.5	1.8
1000	15	33	1							
950	429	457	399	28.9	37.0	22.2	22.6	302	1.5	5.4
925	671	692	646	26.9	36.0	20.0	20.3	295	2.1	5.8
900	924	934	906	25.6	33.6	18.8	19.9	314	1.7	6.0
850	1425	1437	1407	22.3	31.4	15.2	17.4	319	1.8	6.4
800	1951	1962	1930	19.2	27.6	13.0	14.8	340	1.7	6.3
750	2504	2514	2479	16.1	22.8	9.2	11.3	346	1.9	6.5
700	3087	3101	3063	13.0	20.0	4.6	7.2	358	2.3	6.7
650	3706	3717	3676	9.8	18.8	0.0	2.7	003	2.4	6.5
600	4367	4388	4339	6.4	13.0	-1.3	-1.6	013	2.3	6.4
550	5084	5111	5042	2.9	9.4	-5.9	-4.9	032	1.8	6.1
500	5844	5872	5803	-1.0	6.0	-9.3	-9.0	046	1.6	5.8
450	6682	6709	6623	-5.4	2.6	-15.1	-14.0	069	1.8	6.2
400	7595	7632	7549	-10.6	-2.9	-22.5	-19.3	080	2.3	6.6
350	8612	8643	8545	-16.6	-6.1	-30.5	-25.4	090	3.4	7.0
300	9756	9815	9686	-24.3	-15.7	-40.3	-32.7	097	4.5	7.6
250	11061	11141	10985	-34.0	-24.3	-46.9	-41.6	101	5.9	8.4
200	12588	12707	12474	-46.5	-37.9	-57.1		099	8.0	10.5
175	13459	13626	13335	-54.0	-44.1	-73.1		095	9.3	12.0
150	14430	14628	14290	-62.3	-46.1	-78.1		093	11.7	14.0
125	15533	15763	15354	-70.6	-56.9	-82.1		087	14.0	15.9
100	16836	17017	16639	-75.8	-58.3	-86.7		084	16.6	17.4
80	18127	18281	17926	-73.3	-54.7	-84.3		090	17.0	18.0
70	18924	19100	18706	-68.8	-48.5	-80.3		088	16.7	17.5
60	19831	20020	19528	-63.8	-47.7	-79.9		085	16.2	16.7
50	20966	21187	20682	-59.5	-42.9	-70.7		085	17.3	17.9
40	22368	22640	22048	-55.8	-38.5	-67.3				
30	24213	24613	23878	-52.0	-39.9	-60.7				
25	25387	25835	25093	-49.8	-38.9	-58.7				
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
513	5640	5930	5270				101	16820	-77.3

NORMALS OF RADIOSONDE DATA

MONTH : SEPTEMBER TIME : 1730 IST STATION : GWALIOR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	980	981	978	31.7	38.4	21.4	22.0	328	0.6	1.3
1000	21	34	0							
950	465	488	417	29.4	37.0	20.4	18.9	335	2.6	5.4
925	710	723	674	26.6	33.4	18.6	17.7	345	2.6	5.6
900	960	978	945	25.7	33.4	15.4	16.2	337	3.2	5.8
850	1460	1480	1442	22.1	29.6	14.0	13.6	332	3.7	6.3
800	1984	2003	1963	18.4	28.0	10.8	10.7	331	4.1	6.7
750	2532	2549	2515	14.8	24.8	7.6	6.5	332	4.2	7.0
700	3113	3132	3090	11.3	22.2	4.0	1.8	333	4.1	7.0
650	3727	3747	3704	7.8	19.0	0.2	-2.2	332	3.8	6.9
600	4385	4412	4366	4.4	16.4	-4.3	-5.5	326	3.1	6.5
550	5093	5139	5066	1.1	13.6	-9.1	-8.6	312	2.7	6.6
500	5850	5888	5816	-2.6	9.4	-11.9	-12.6	291	2.8	7.0
450	6681	6737	6638	-7.0	5.6	-16.9	-16.5	278	3.1	7.0
400	7590	7659	7540	-12.4	-2.1	-21.3	-21.4	267	4.0	7.5
350	8597	8683	8540	-18.8	-10.9	-29.1	-27.3	257	4.7	8.0
300	9728	9833	9662	-26.7	-18.3	-36.9	-35.1	248	5.1	8.7
250	11017	11105	10946	-36.6	-27.7	-46.3		235	5.5	9.5
200	12527	12647	12442	-48.7	-38.7	-58.9		229	5.1	10.3
175	13391	13599	13298	-55.9	-43.7	-65.1		215	4.7	10.9
150	14357	14583	14236	-63.6	-49.9	-74.5		202	3.3	10.1
125	15454	15700	15312	-71.4	-56.1	-81.9		133	2.3	9.4
100	16756	17029	16591	-76.1	-62.1	-86.1		111	5.6	9.4
80	18054	18379	17876	-72.7	-58.1	-83.9		095	7.4	9.2
70	18850	19150	18674	-68.2	-51.5	-79.9		095	7.5	8.9
60	19784	20073	19595	-63.1	-52.1	-72.9		091	8.4	9.5
50	20907	21202	20706	-59.1	-46.7	-69.7		088	9.4	10.4
40	22312	22742	22078	-55.6	-44.7	-76.1				
30	24161	24620	23914	-51.5	-40.3	-63.3				
25	25355	25810	24990	-49.6	-38.1	-61.1				
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
538	5290	5910	4690				103	16650	-77.1

NORMALS OF RADIOSONDE DATA

MONTH : OCTOBER TIME : 1730 IST STATION : GWALIOR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	985	989	983	30.6	37.4	19.4	16.7	349	0.2	0.5
1000	72	109	54							
950	509	560	465	28.2	40.2	16.0	10.5	348	2.7	4.3
925	755	792	722	26.2	38.6	14.4	9.2	345	2.8	4.1
900	1005	1031	991	24.5	35.8	13.8	7.2	339	2.9	4.3
850	1501	1522	1484	20.3	29.8	10.8	5.2	327	3.3	4.7
800	2020	2038	1999	15.9	26.4	7.4	2.6	319	3.9	5.4
750	2558	2584	2530	11.7	23.0	3.4	-1.1	314	4.6	6.2
700	3136	3157	3107	7.9	17.4	-0.5	-5.1	308	5.1	6.9
650	3740	3769	3709	4.4	15.8	-5.5	-8.4	300	5.8	7.6
600	4390	4417	4352	1.1	12.8	-9.7	-12.2	293	6.4	8.2
550	5088	5119	5052	-2.5	8.8	-13.1	-16.0	286	7.7	9.6
500	5836	5868	5786	-6.8	3.6	-16.5		280	9.7	11.6
450	6652	6700	6614	-11.8	-0.3	-23.5		276	11.8	13.8
400	7543	7603	7481	-17.5	-8.5	-28.0		271	14.7	16.7
350	8531	8583	8460	-24.0	-12.7	-35.0		267	17.5	19.3
300	9640	9704	9546	-31.6	-20.9	-42.7		262	20.5	22.2
250	10905	10990	10782	-40.9	-30.3	-51.7		261	22.7	24.5
200	12389	12531	12235	-52.0	-40.7	-63.1		257	23.8	25.6
175	13240	13372	13080	-58.4	-47.1	-73.5		256	24.0	25.9
150	14191	14361	14035	-64.9	-50.7	-76.1		256	20.8	22.3
125	15288	15684	15092	-71.2	-54.9	-84.0		257	16.7	18.4
100	16600	16822	16354	-75.4	-58.7	-86.0		255	9.6	12.8
80	17894	18151	17630	-72.8	-56.3	-85.1		246	2.2	9.6
70	18688	18957	18426	-68.7	-54.9	-83.0		191	1.2	8.8
60	19618	19887	19317	-64.2	-51.3	-76.9		084	1.2	8.2
50	20739	21026	20418	-60.6	-44.1	-77.5				
40	22147	22449	21924	-56.7	-44.1	-69.9				
30	23988	24318	23751	-52.9	-40.3	-65.7				
25	25157	25529	24908	-51.3	-39.1	-63.1				
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
585	4610	5220	4000				105	16350	-75.7

NORMALS OF RADIOSONDE DATA

MONTH : NOVEMBER TIME : 1730 IST STATION : GWALIOR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	989	991	988	25.5	36.0	16.0	13.3	326	0.2	0.3
1000	109	125	99							
950	541	566	469	23.2	32.6	14.2	6.5	352	2.6	4.1
925	782	798	758	21.3	31.4	12.4	4.4	342	2.7	4.2
900	1026	1045	1014	19.6	28.6	9.8	3.5	336	2.6	4.1
850	1514	1531	1499	15.7	24.2	3.8	0.8	318	3.0	4.7
800	2026	2045	2008	12.3	25.0	2.6	-2.3	308	3.9	5.6
750	2561	2582	2548	9.2	18.8	-0.5	-5.8	301	4.7	6.4
700	3131	3158	3110	6.3	15.8	-4.5	-9.1	293	6.1	7.8
650	3731	3757	3710	3.1	14.0	-8.3	-11.8	289	7.4	9.1
600	4379	4410	4354	-0.3	8.4	-10.9	-15.1	285	9.2	10.8
550	5072	5113	5046	-4.5	4.6	-13.5	-18.5	281	11.6	13.2
500	5814	5851	5781	-9.2	0.6	-19.1		279	14.2	15.9
450	6620	6670	6579	-14.6	-3.3	-25.7		275	17.0	18.8
400	7502	7560	7445	-20.8	-9.9	-34.0		274	20.7	22.6
350	8476	8540	8394	-27.6	-16.3	-40.7		271	24.7	26.7
300	9569	9653	9480	-35.2	-24.1	-50.5		269	29.0	31.4
250	10816	10924	10700	-43.9	-32.9	-58.5		268	32.8	35.2
200	12276	12473	12140	-54.0	-42.9	-67.5		265	35.5	38.1
175	13118	13410	12977	-59.5	-48.1	-73.1		265	34.3	36.6
150	14069	14409	13925	-65.0	-53.3	-75.9		266	31.5	33.5
125	15164	15571	15010	-69.9	-57.3	-82.3		270	27.4	29.3
100	16479	16943	16294	-73.3	-60.5	-83.9		271	21.5	24.1
80	17782	18032	17587	-72.3	-59.7	-82.5				
70	18573	18848	18352	-69.8	-57.1	-80.1				
60	19505	19781	19230	-66.1	-53.9	-79.5				
50	20620	20912	20317	-61.8	-46.3	-76.7				
40	22007	22333	21683	-58.0	-46.7	-70.1				
30	23822	24221	23492	-54.0	-39.5	-66.9				
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
609	4280	4800	3760				106	16180	-74.0

NORMALS OF RADIOSONDE DATA

MONTH : DECEMBER TIME : 1730 IST STATION : GWALIOR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	992	994	990	21.0	27.2	11.0	9.9	353	0.3	0.3
1000	135	148	119							
950	559	585	506	18.4	26.4	11.0	4.5	356	2.6	3.9
925	796	810	760	16.7	23.6	9.4	3.3	337	2.5	3.8
900	1037	1051	1021	15.2	23.6	5.8	0.8	326	2.6	4.2
850	1519	1531	1502	12.4	21.4	3.6	-3.0	306	3.5	5.1
800	2024	2038	2008	10.0	19.8	-0.3	-5.8	299	4.7	6.3
750	2555	2571	2539	7.5	17.0	-2.9	-8.4	291	6.1	7.7
700	3122	3147	3105	4.6	14.6	-5.7	-10.7	287	7.5	9.0
650	3720	3744	3682	1.3	10.6	-8.3	-13.5	283	9.4	10.9
600	4361	4401	4338	-2.4	7.0	-11.3	-16.4	280	11.8	13.3
550	5047	5103	5020	-6.8	4.8	-15.3	-20.1	278	14.4	15.8
500	5784	5841	5754	-11.7	-1.3	-21.3		276	17.3	18.8
450	6584	6639	6542	-17.2	-6.5	-28.3		275	20.9	22.4
400	7456	7535	7413	-23.5	-11.7	-35.1		273	24.9	26.7
350	8418	8515	8345	-30.3	-16.3	-41.7		270	29.7	31.7
300	9500	9614	9409	-38.0	-24.1	-50.9		270	33.6	35.9
250	10726	10877	10578	-46.8	-31.5	-59.0		268	36.4	39.2
200	12178	12355	12042	-56.0	-38.5	-68.3		264	38.8	41.2
175	13014	13205	12869	-60.4	-48.1	-73.0		262	36.7	39.3
150	13963	14168	13789	-64.4	-52.9	-76.0		262	38.5	40.2
125	15066	15300	14855	-68.3	-56.5	-80.3		264	34.9	36.0
100	16395	16654	16209	-71.7	-54.5	-88.3				
80	17702	18042	17465	-72.2	-63.3	-83.1				
70	18491	18840	18230	-70.6	-60.7	-80.5				
60	19410	19736	19273	-68.2	-54.9	-76.9				
50	20519	20820	20375	-64.5	-49.1	-75.9				
40	21888	22238	21715	-60.3	-45.9	-73.1				
30	23701	24083	23482	-56.8	-45.1	-67.5				
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
636	3910	4560	3520				101	16400	-73.4

NORMALS OF RADIOSONDE DATA

MONTH : JANUARY TIME : 1730 IST STATION : HYDERABAD

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	953	956	950	27.5	33.8	16.2	11.2	108	2.1	2.7
1000	109	139	83							
950	557	585	510	26.8	32.0	12.2	11.1	109	2.7	3.4
925	780	795	772	24.4	30.6	15.2	10.7	106	3.1	4.4
900	1036	1066	1013	21.6	31.0	11.0	8.3	103	2.8	3.9
850	1528	1559	1505	17.2	24.4	8.6	6.4	102	1.8	3.6
800	2041	2075	2019	13.2	23.4	5.0	2.8	079	0.7	3.6
750	2577	2603	2544	10.2	20.4	2.0	-1.9	302	1.0	4.4
700	3151	3190	3122	7.7	19.0	-2.7	-6.2	288	3.0	5.8
650	3758	3791	3727	5.1	13.0	-4.0	-11.0	284	4.9	7.3
600	4408	4454	4370	1.7	9.4	-6.3	-14.8	280	6.7	8.9
550	5105	5158	5061	-2.4	7.8	-12.0	-17.6	278	8.3	10.4
500	5854	5906	5809	-7.0	3.2	-16.0		275	10.2	12.2
450	6666	6712	6617	-12.3	-2.3	-24.0		273	12.5	14.5
400	7558	7619	7507	-18.1	-10.3	-27.7		272	15.1	17.1
350	8544	8606	8489	-24.6	-16.0	-35.3		270	18.0	20.0
300	9651	9726	9587	-32.4	-23.7	-43.0		265	20.5	22.3
250	10911	11002	10829	-42.1	-32.3	-53.0		259	22.1	24.1
200	12389	12502	12282	-53.4	-43.5	-67.0		255	22.1	24.3
175	13239	13395	13117	-59.7	-49.5	-71.0		256	21.7	24.0
150	14188	14345	14058	-66.4	-56.1	-77.3		258	19.7	21.9
125	15272	15444	15130	-72.4	-62.1	-85.1		260	16.1	18.6
100	16566	16753	16407	-77.6	-67.1	-87.1		262	11.2	13.6
80	17847	17981	17653	-76.1	-60.3	-86.9		265	7.0	9.8
70	18637	18797	18440	-72.8	-59.1	-83.1		269	5.5	8.5
60	19547	19710	19357	-68.4	-53.9	-81.5		268	3.9	7.5
50	20652	20844	20444	-63.4	-45.9	-80.0		264	3.1	7.0
40	22033	22302	21821	-59.3	-45.7	-73.1		232	1.0	6.8
30	23847	24231	23659	-55.7	-44.7	-66.1		122	1.2	6.7
25	25008	25298	24849	-53.8	-43.5	-63.1		144	0.1	7.3
20	26464	26984	26316	-51.7	-40.3	-60.1		312	0.4	7.9
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
580	4680	5160	4240				096	16800	-79.4

NORMALS OF RADIOSONDE DATA

MONTH : FEBRUARY TIME : 1730 IST STATION : HYDERABAD

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	951	955	948	30.6	36.2	21.0	10.7	121	1.7	2.9
1000	90	130	60							
950	547	578	517	29.9	35.8	21.0	10.4	114	2.6	3.7
925	766	782	756	27.8	33.6	19.2	10.7	129	2.3	4.5
900	1027	1059	998	24.9	33.2	15.0	8.6	123	2.0	4.2
850	1523	1554	1495	20.4	28.6	9.4	6.8	131	1.2	3.9
800	2042	2075	2007	15.8	26.0	6.4	4.6	179	0.7	4.0
750	2579	2612	2541	11.4	23.4	3.0	1.4	264	1.5	4.6
700	3157	3200	3119	7.7	18.4	1.0	-3.6	277	3.4	5.9
650	3762	3806	3733	4.7	16.6	-2.3	-9.4	279	5.5	7.5
600	4411	4459	4369	1.5	11.4	-6.0	-13.8	278	7.5	9.5
550	5110	5173	5065	-2.4	5.4	-10.0	-17.7	277	9.2	10.9
500	5858	5912	5809	-6.8	4.6	-15.5		275	11.2	12.9
450	6672	6744	6617	-11.9	-3.7	-20.1		274	13.2	15.1
400	7564	7628	7509	-17.6	-9.3	-26.3		273	15.6	17.7
350	8552	8618	8491	-24.1	-13.5	-35.5		272	18.6	20.9
300	9661	9738	9594	-31.8	-21.5	-43.3		267	20.9	23.3
250	10925	11007	10843	-41.3	-31.3	-52.1		262	21.6	24.0
200	12406	12509	12309	-52.7	-40.9	-66.9		259	21.6	24.2
175	13259	13377	13147	-59.0	-49.5	-70.1		259	20.6	23.3
150	14212	14353	14080	-65.9	-54.5	-75.5		260	18.7	21.4
125	15301	15499	15144	-72.1	-59.1	-81.9		264	15.2	17.5
100	16597	16818	16415	-77.2	-63.7	-86.1		265	10.9	13.4
80	17878	18124	17661	-75.6	-58.5	-87.3		267	8.0	10.6
70	18663	18947	18431	-72.2	-56.1	-84.9		268	6.3	8.9
60	19574	19845	19304	-67.9	-53.3	-81.7		268	5.2	8.1
50	20686	20971	20370	-62.7	-49.1	-74.9		267	4.0	7.8
40	22072	22415	21707	-58.9	-45.9	-73.1		253	2.7	7.6
30	23902	24279	23537	-54.8	-41.5	-63.9		254	1.8	7.7
25	25050	25444	24722	-52.8	-38.1	-63.3		256	2.7	8.8
20	26504	26964	26091	-50.6	-31.7	-59.5		270	2.9	9.7
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
581	4680	5120	4200				097	16800	-79.2

NORMALS OF RADIOSONDE DATA

MONTH : MARCH TIME : 1730 IST STATION : HYDERABAD

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	949	952	946	34.4	39.4	19.0	10.2	122	1.4	2.6
1000	68	104	27							
950	533	572	494	33.2	38.2	21.8	9.4	116	2.3	3.6
925	753	763	734	31.9	38.0	21.4	9.9	123	2.1	4.3
900	1017	1049	979	28.7	38.0	18.0	7.5	118	1.9	4.0
850	1520	1546	1486	24.0	33.8	14.2	5.8	116	1.4	3.8
800	2045	2071	2013	19.3	29.6	10.0	4.0	141	0.7	3.7
750	2586	2610	2559	14.4	24.8	5.0	1.8	263	0.5	4.0
700	3171	3201	3143	9.5	18.6	0.0	-1.2	289	1.7	4.7
650	3776	3799	3751	5.1	14.8	-5.1	-5.8	296	2.9	5.8
600	4430	4465	4398	1.5	12.0	-7.0	-11.2	293	4.4	7.1
550	5126	5178	5083	-2.3	7.4	-11.9	-16.7	287	5.8	8.2
500	5876	5927	5840	-6.8	2.4	-16.1	-21.2	281	7.4	9.7
450	6690	6743	6654	-12.0	-2.5	-22.0	-25.7	278	9.0	11.3
400	7583	7661	7539	-18.1	-6.5	-28.5		275	11.2	13.5
350	8567	8638	8519	-24.8	-12.5	-34.7		273	14.2	16.6
300	9674	9794	9613	-32.4	-20.9	-43.0		268	17.4	19.9
250	10938	11101	10859	-41.5	-30.9	-51.3		263	19.8	22.4
200	12419	12589	12324	-52.5	-42.3	-62.7		260	20.4	22.8
175	13269	13470	13160	-58.7	-49.1	-69.0		260	19.7	21.9
150	14222	14435	14105	-65.4	-54.1	-76.5		262	18.2	20.4
125	15314	15546	15184	-71.5	-55.3	-84.1		264	14.5	17.1
100	16613	16854	16479	-77.0	-66.1	-87.5		265	9.4	12.4
80	17894	18168	17752	-75.3	-58.1	-88.1		273	5.0	8.6
70	18686	18978	18496	-71.8	-55.5	-82.7		272	4.3	7.7
60	19595	19903	19365	-67.6	-54.5	-79.7		270	3.7	7.2
50	20710	21087	20451	-62.2	-47.3	-73.9		263	2.4	6.9
40	22094	22466	21663	-57.9	-45.1	-69.5		239	0.6	6.5
30	23908	24480	23488	-53.7	-42.1	-65.3		124	1.3	7.6
25	25074	25387	24876	-51.1	-38.7	-62.9		118	1.3	8.3
20	26538	26862	26255	-48.8	-36.7	-59.3		186	1.4	9.3
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
580	4700	5320	4380				098	16760	-78.7

NORMALS OF RADIOSONDE DATA

MONTH : APRIL TIME : 1730 IST STATION : HYDERABAD

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	947	949	944	36.5	44.0	18.0	12.5	122	0.9	2.6
1000	42	70	4							
950	503	558	414	35.3	39.6	23.8	12.2	119	2.5	3.8
925	735	748	717	33.6	39.8	24.0	12.7	113	2.1	4.8
900	999	1025	966	31.2	39.0	21.0	9.5	108	1.2	3.9
850	1505	1532	1476	26.6	35.0	16.6	7.7	089	0.9	3.7
800	2034	2060	2009	21.8	29.2	11.4	5.8	063	0.6	3.5
750	2582	2609	2541	16.8	25.6	6.6	3.5	355	0.6	3.6
700	3170	3196	3143	11.7	20.8	2.6	0.9	332	1.0	4.1
650	3781	3806	3747	6.7	16.0	-3.1	-2.6	320	1.8	4.9
600	4436	4467	4394	2.2	11.2	-6.3	-7.4	310	2.8	5.6
550	5137	5182	5082	-1.9	6.2	-10.7	-13.1	297	3.6	6.3
500	5885	5926	5828	-6.1	2.2	-13.7	-18.0	291	4.8	7.3
450	6705	6755	6636	-11.0	-3.1	-20.0	-23.3	283	6.4	9.0
400	7598	7661	7522	-16.8	-7.5	-26.1	-27.7	275	8.3	11.0
350	8589	8645	8502	-23.4	-13.1	-32.5	-32.9	271	10.6	13.5
300	9702	9798	9605	-31.1	-21.3	-40.1	-40.1	264	13.4	16.5
250	10972	11090	10865	-40.4	-29.1	-50.0		259	15.7	18.7
200	12458	12596	12343	-51.8	-41.3	-61.1		253	16.8	19.4
175	13311	13463	13197	-58.1	-49.0	-68.1		252	16.2	18.6
150	14268	14439	14136	-64.9	-55.7	-75.5		254	13.7	16.2
125	15360	15553	15221	-71.3	-60.1	-82.3		256	9.4	12.9
100	16660	16881	16510	-77.1	-60.3	-88.1		254	3.9	9.7
80	17941	18177	17771	-75.5	-58.7	-86.1		235	0.0	7.3
70	18732	19005	18536	-71.9	-57.9	-88.1		083	1.2	6.7
60	19644	19925	19445	-66.9	-52.5	-82.1		082	1.2	6.3
50	20754	21094	20529	-61.1	-49.5	-75.0		086	2.3	6.1
40	22148	22550	21861	-56.7	-44.1	-68.1		088	3.1	6.6
30	23992	24446	23692	-51.8	-40.0	-66.3		092	4.9	7.4
25	25160	25600	24920	-49.8	-35.3	-62.7		088	6.2	8.7
20	26626	27388	26362	-47.2	-33.1	-58.1		092	6.5	9.3
15										
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FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
572	4810	5360	4260				095	16970	-79.2

NORMALS OF RADIOSONDE DATA

MONTH : MAY TIME : 1730 IST STATION : HYDERABAD

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	945	949	942	37.1	43.0	21.2	14.7	297	0.5	3.1
1000	20	71	0							
950	477	571	401							
925	711	717	702	34.8	40.8	24.2	14.9	273	0.9	5.0
900	977	1022	949	32.1	41.8	19.2	11.2	331	1.1	4.7
850	1485	1526	1457	27.5	36.0	15.6	9.0	339	1.9	4.6
800	2017	2051	1987	22.9	34.4	13.2	7.3	341	2.4	4.7
750	2565	2599	2526	17.9	27.0	9.0	5.1	343	2.8	5.0
700	3157	3185	3127	12.9	22.2	4.0	2.3	349	3.0	5.3
650	3768	3794	3747	7.8	17.8	-4.0	-1.4	348	3.0	5.7
600	4427	4452	4390	3.0	14.8	-7.7	-5.9	345	3.0	5.9
550	5128	5159	5074	-1.2	8.2	-15.9	-10.4	345	3.2	6.0
500	5880	5905	5839	-5.2	3.2	-13.0	-15.3	343	3.1	6.4
450	6701	6736	6648	-9.6	0.2	-19.0	-19.6	331	3.0	7.0
400	7605	7636	7543	-15.0	-5.5	-24.5	-24.3	309	2.9	7.6
350	8602	8643	8539	-21.4	-8.1	-32.7	-30.8	278	3.4	8.3
300	9726	9787	9642	-29.1	-17.5	-43.0	-38.0	258	4.4	9.1
250	11004	11085	10907	-38.8	-28.5	-52.7		242	5.0	9.7
200	12501	12605	12374	-50.7	-41.5	-64.1		219	5.0	10.6
175	13359	13489	13218	-57.5	-48.0	-74.1		203	4.9	11.1
150	14318	14467	14160	-65.1	-56.1	-77.5		170	4.1	11.0
125	15408	15567	15231	-72.2	-63.7	-87.5		129	5.3	10.8
100	16702	16890	16499	-78.2	-66.1	-89.5		103	8.4	11.0
80	17981	18203	17736	-76.0	-64.3	-87.1		095	9.8	10.9
70	18773	19032	18455	-71.5	-58.9	-86.0		092	9.8	10.7
60	19684	19947	19350	-66.2	-52.1	-82.0		093	8.8	9.8
50	20814	21091	20480	-60.4	-49.1	-79.0		095	8.4	9.3
40	22221	22481	22015	-55.9	-38.7	-70.7		088	9.5	10.5
30	24069	24402	23770	-51.3	-38.7	-62.5		086	11.7	12.3
25	25255	25600	24840	-49.2	-37.1	-59.1		089	11.8	12.6
20	26708	27202	26435	-46.5	-35.5	-54.9		087	13.5	14.5
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
562	4950	5520	4650				097	16900	-80.3

NORMALS OF RADIOSONDE DATA

MONTH : JUNE TIME : 1730 IST STATION : HYDERABAD

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	943	946	940	32.5	42.8	22.0	19.5	262	3.6	4.6
1000	18	45	1							
950	456	537	395							
925	693	711	682	30.8	41.6	22.0	18.7	256	5.2	7.0
900	956	986	927	28.2	40.4	18.0	16.9	266	5.8	7.3
850	1459	1485	1433	24.0	34.6	13.0	14.7	274	6.4	7.8
800	1986	2014	1962	19.9	30.0	11.0	12.4	278	6.7	8.2
750	2533	2569	2495	15.8	25.0	8.0	9.6	283	6.4	8.2
700	3120	3151	3093	11.9	21.0	5.0	5.9	287	5.6	7.9
650	3734	3760	3711	8.1	17.4	1.0	1.9	291	4.6	7.6
600	4393	4427	4358	4.2	11.8	-4.3	-2.4	292	3.7	7.2
550	5103	5158	5053	0.3	6.8	-8.0	-6.3	292	3.5	6.8
500	5856	5898	5816	-3.7	2.8	-11.5	-10.8	293	2.9	6.2
450	6684	6735	6637	-7.9	-1.5	-17.1	-15.9	304	2.1	5.7
400	7590	7634	7528	-13.0	-6.1	-25.9	-21.1	348	1.3	5.2
350	8597	8653	8529	-19.3	-10.9	-29.1	-27.5	053	2.4	5.6
300	9727	9793	9647	-27.1	-19.7	-38.0	-35.1	073	4.7	6.8
250	11016	11097	10914	-36.9	-29.1	-48.0	-43.6	082	7.8	9.6
200	12524	12625	12386	-49.3	-40.5	-63.1		086	12.6	13.9
175	13386	13501	13251	-56.5	-47.1	-70.1		087	15.4	16.6
150	14348	14475	14183	-64.6	-54.5	-77.3		088	19.5	20.6
125	15438	15591	15216	-72.5	-60.9	-84.0		088	22.8	24.1
100	16727	16938	16447	-79.0	-66.1	-89.0		087	24.3	24.9
80	18007	18252	17693	-76.7	-63.3	-90.0		086	21.5	22.0
70	18793	19069	18450	-72.4	-59.3	-86.0		088	19.2	19.8
60	19708	19997	19315	-66.9	-55.1	-81.0		093	17.1	17.5
50	20832	21148	20279	-60.8	-47.1	-76.0		092	16.0	16.4
40	22229	22643	21357	-56.2	-41.5	-70.7		089	16.5	16.9
30	24062	24536	23147	-51.7	-39.1	-64.7		087	19.3	19.6
25	25244	25756	24710	-49.4	-38.1	-60.3		085	20.3	20.8
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
546	5150	5550	4680				097	16950	-81.1

NORMALS OF RADIOSONDE DATA

MONTH : JULY TIME : 1730 IST STATION : HYDERABAD

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	944	947	941	29.3	35.0	21.4	20.9	264	4.4	5.1
1000	22	58	0							
950	460	543	393							
925	693	700	686	27.9	36.2	20.6	19.8	258	7.3	8.1
900	958	989	930	25.4	33.4	17.0	18.3	267	7.6	8.3
850	1457	1486	1430	21.5	32.0	13.0	16.2	272	9.2	9.8
800	1980	2006	1948	17.8	25.4	9.0	13.7	276	10.3	10.9
750	2525	2552	2490	14.3	20.6	6.0	10.4	279	10.4	11.1
700	3108	3133	3065	11.0	17.6	3.0	6.5	280	9.6	10.4
650	3720	3744	3689	7.6	18.0	0.0	2.2	281	8.2	9.3
600	4378	4405	4325	4.3	11.2	-2.3	-1.9	282	6.7	8.2
550	5085	5131	5020	0.5	7.4	-6.5	-6.1	283	5.5	7.4
500	5842	5874	5779	-3.4	4.0	-10.7	-10.4	286	3.8	6.4
450	6669	6717	6599	-7.8	0.0	-17.1	-15.2	299	2.0	5.6
400	7579	7622	7499	-13.0	-5.7	-22.5	-20.6	029	1.3	5.6
350	8584	8634	8503	-19.5	-10.1	-30.1	-27.3	072	4.4	6.7
300	9716	9776	9621	-27.4	-16.1	-38.3	-35.0	079	8.2	9.4
250	11004	11099	10898	-37.2	-26.1	-46.1	-44.3	085	13.1	13.8
200	12507	12616	12385	-49.5	-38.7	-62.0		085	19.8	20.5
175	13370	13489	13231	-56.8	-46.1	-69.5		083	23.4	23.9
150	14330	14460	14165	-64.8	-51.7	-78.5		082	27.7	28.4
125	15422	15565	15222	-72.6	-60.5	-87.1		082	31.1	31.8
100	16715	16860	16484	-77.8	-66.1	-89.1		084	32.1	32.5
80	18004	18136	17748	-73.3	-59.3	-87.1		086	26.5	27.0
70	18804	18953	18510	-69.2	-53.9	-84.7		087	23.2	23.7
60	19726	19878	19407	-64.7	-48.9	-85.3		090	21.2	21.7
50	20850	21029	20467	-59.9	-44.9	-74.5		091	20.5	20.9
40	22249	22448	21895	-55.9	-39.1	-65.3		089	21.5	21.8
30	24082	24293	23887	-52.0	-38.7	-60.9		089	23.3	23.6
25	25235	25568	24962	-50.6	-36.9	-58.5		087	24.7	25.1
20	26687	27211	26375	-49.0	-34.1	-58.3				
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
542	5190	5560	4700				103	16590	-79.6

NORMALS OF RADIOSONDE DATA

MONTH : AUGUST TIME : 1730 IST STATION : HYDERABAD

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	944	947	942	28.2	34.0	20.2	21.1	271	4.5	5.1
1000	28	54	7							
950	475	539	402							
925	708	716	702	26.6	32.2	19.2	20.0	274	5.9	7.0
900	962	986	941	24.6	32.0	16.8	18.5	277	7.3	8.1
850	1460	1486	1436	20.8	28.4	13.0	15.9	281	9.0	9.6
800	1982	2008	1956	17.2	29.0	10.4	13.3	283	10.2	10.8
750	2528	2566	2483	14.0	22.2	7.6	10.1	284	10.4	11.0
700	3109	3141	3081	10.8	18.0	4.2	6.2	285	9.3	10.1
650	3723	3760	3683	7.8	16.0	1.0	1.8	286	7.8	8.8
600	4380	4421	4349	4.3	11.6	-4.5	-2.3	286	6.2	7.7
550	5088	5138	5040	0.6	8.2	-7.0	-6.5	286	5.0	6.9
500	5844	5898	5810	-3.4	4.0	-11.0	-10.7	289	3.4	6.0
450	6672	6733	6618	-7.9	-1.1	-16.0	-15.5	310	1.8	5.5
400	7579	7647	7533	-13.2	-5.7	-23.0	-20.9	033	1.6	5.8
350	8584	8657	8521	-19.7	-11.3	-29.0	-27.5	072	3.9	6.4
300	9715	9802	9635	-27.6	-17.7	-37.3	-35.2	082	7.6	8.9
250	11002	11114	10902	-37.4	-25.7	-50.0	-44.2	086	12.3	13.1
200	12503	12645	12372	-49.9	-37.7	-63.1		085	18.5	19.2
175	13363	13523	13222	-57.1	-44.5	-71.7		083	21.7	22.5
150	14320	14497	14156	-65.3	-51.5	-77.7		082	25.6	26.4
125	15409	15611	15209	-73.0	-58.5	-85.1		082	29.4	30.2
100	16700	16927	16460	-77.7	-64.5	-89.0		085	29.9	30.5
80	17998	18230	17710	-72.5	-56.1	-88.0		086	24.3	24.6
70	18801	19050	18498	-68.8	-53.9	-80.1		089	21.7	22.2
60	19723	19981	19385	-64.8	-50.7	-75.3		089	20.8	21.2
50	20853	21123	20482	-60.4	-46.9	-74.1		090	20.4	20.8
40	22265	22558	21925	-56.9	-44.7	-68.1		090	20.5	20.8
30	24105	24537	23871	-53.1	-41.3	-65.3		087	22.8	23.1
25	25252	25715	24851	-51.2	-38.0	-64.5				
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
542	5200	5680	4810				104	16510	-79.5

NORMALS OF RADIOSONDE DATA

MONTH : SEPTEMBER TIME : 1730 IST STATION : HYDERABAD

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	946	949	944	28.9	34.0	22.0	20.5	291	1.6	3.5
1000	45	75	21							
950	492	557	403							
925	722	733	710	27.0	31.6	19.6	18.3	284	2.7	5.4
900	980	1008	955	24.8	32.6	15.8	16.9	300	2.9	5.4
850	1478	1505	1454	21.0	31.8	12.8	14.3	298	3.6	6.1
800	1999	2028	1975	17.2	30.0	10.6	11.6	297	3.9	6.6
750	2542	2579	2498	13.6	26.6	6.4	7.8	296	3.9	6.7
700	3124	3160	3098	10.3	21.8	3.0	3.7	295	3.4	6.4
650	3736	3780	3710	7.0	18.4	-1.6	-0.3	290	2.9	6.0
600	4391	4440	4362	3.7	13.8	-2.5	-4.5	283	2.1	5.5
550	5098	5151	5053	0.0	11.8	-6.5	-8.7	271	1.4	5.1
500	5851	5916	5812	-4.0	5.6	-12.0	-13.2	266	0.4	4.9
450	6678	6747	6626	-8.7	0.6	-16.5	-17.9	083	0.7	4.8
400	7581	7662	7524	-14.2	-6.1	-24.1	-23.4	083	1.8	4.9
350	8583	8667	8515	-20.8	-11.3	-31.5	-29.6	082	3.6	5.6
300	9706	9806	9625	-28.9	-17.7	-39.1	-37.1	087	5.8	7.2
250	10985	11102	10887	-38.9	-27.3	-48.0	-45.9	090	8.9	9.8
200	12478	12624	12358	-51.4	-42.1	-63.0		093	13.3	14.2
175	13331	13491	13186	-58.7	-46.9	-69.0		092	16.0	16.9
150	14282	14471	14132	-66.7	-54.3	-78.0		091	18.8	19.7
125	15360	15572	15192	-74.2	-61.9	-85.0		090	20.9	21.7
100	16640	16875	16454	-78.6	-63.7	-89.1		089	20.1	20.7
80	17930	18163	17712	-73.7	-58.1	-85.5		088	17.4	17.8
70	18734	18929	18498	-69.6	-50.1	-82.0		091	16.4	16.8
60	19658	19863	19418	-65.6	-50.1	-78.1		094	15.4	15.8
50	20783	20981	20542	-61.1	-43.3	-77.1		094	15.2	15.7
40	22193	22396	21861	-57.3	-42.7	-70.7		092	16.5	16.9
30	24054	24243	23901	-53.5	-42.3	-65.3		089	19.0	19.2
25	25226	25509	25050	-52.2	-40.9	-62.9		088	20.3	20.7
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
549	5100	5600	4730				104	16440	-80.4

NORMALS OF RADIOSONDE DATA

MONTH : OCTOBER TIME : 1730 IST STATION : HYDERABAD

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	949	952	946	28.9	35.2	21.0	17.4	057	1.5	3.2
1000	71	102	42							
950	523	573	445	28.9	34.0	20.8	15.6	074	2.8	3.9
925	746	772	733	26.5	31.8	19.0	15.9	063	2.4	4.8
900	1005	1036	975	24.4	32.0	16.8	13.1	048	2.7	5.0
850	1501	1532	1469	20.3	29.0	13.2	10.9	041	3.1	5.4
800	2021	2051	1987	16.3	25.2	9.2	8.5	040	3.1	5.6
750	2562	2595	2508	12.7	21.0	5.0	5.0	039	3.0	5.8
700	3142	3177	3107	9.5	18.2	1.0	1.0	036	2.2	5.7
650	3751	3788	3715	6.4	14.0	-0.9	-2.7	033	1.3	5.4
600	4406	4449	4367	3.2	9.6	-3.7	-5.9	042	0.6	5.2
550	5111	5165	5060	-0.3	7.6	-7.1	-10.1	056	0.4	5.1
500	5863	5919	5819	-4.5	3.6	-12.1	-14.4	053	0.4	5.2
450	6687	6746	6643	-9.3	0.0	-17.7	-19.1	080	0.5	5.5
400	7588	7660	7540	-14.9	-5.3	-28.5	-24.4	118	0.4	5.7
350	8586	8667	8539	-21.6	-10.7	-30.3	-31.1	166	0.7	6.0
300	9707	9809	9647	-29.6	-19.7	-39.3	-38.1	179	1.5	6.8
250	10982	11105	10908	-39.8	-28.1	-49.5		173	3.0	8.2
200	12469	12628	12378	-52.0	-37.7	-63.7		155	5.0	10.1
175	13322	13493	13222	-59.1	-45.1	-70.7		148	6.1	11.1
150	14273	14465	14164	-66.9	-51.1	-79.1		138	7.0	11.6
125	15352	15572	15244	-74.0	-60.1	-85.1		124	7.4	11.3
100	16634	16868	16532	-79.0	-62.1	-88.7		105	7.5	10.0
80	17918	18162	17791	-74.3	-59.1	-87.0		096	7.7	9.2
70	18715	18982	18571	-70.0	-58.0	-83.5		096	8.1	9.2
60	19631	19896	19442	-65.9	-55.7	-79.0		094	8.6	9.4
50	20753	21010	20331	-61.4	-49.3	-77.0		094	9.4	9.9
40	22144	22487	21695	-57.7	-45.9	-68.5		091	10.5	11.2
30	23959	24379	23775	-54.5	-40.9	-64.1		088	12.8	13.3
25	25109	25528	24806	-52.8	-37.3	-61.5		087	14.8	15.3
20	26575	27016	26038	-50.7	-39.1	-61.7				
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
556	5030	5550	4600				102	16550	-80.5

NORMALS OF RADIOSONDE DATA

MONTH : NOVEMBER TIME : 1730 IST STATION : HYDERABAD

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	951	955	949	27.4	32.4	19.0	13.9	073	2.3	3.1
1000	98	130	69							
950	549	580	510	26.9	32.0	18.4	13.2	080	2.9	3.7
925	765	784	745	25.1	31.0	13.0	12.4	078	3.8	4.9
900	1025	1058	999	22.5	30.6	11.0	10.1	068	3.6	4.7
850	1518	1554	1493	18.3	28.4	10.2	8.1	063	3.6	4.8
800	2034	2073	2009	14.6	25.0	6.0	5.0	059	3.3	4.8
750	2573	2609	2524	11.8	22.8	4.2	1.7	058	2.9	5.1
700	3151	3195	3124	9.3	18.0	1.4	-1.5	056	2.2	5.3
650	3760	3802	3727	6.4	15.4	-3.0	-4.7	050	1.6	5.3
600	4413	4466	4382	3.1	11.6	-6.1	-8.2	039	1.1	5.6
550	5115	5177	5067	-0.7	9.2	-11.3	-12.0	008	1.1	5.8
500	5868	5934	5834	-5.1	4.0	-17.1	-16.6	330	1.6	6.4
450	6687	6753	6637	-10.2	-2.3	-24.3	-20.1	306	2.3	7.2
400	7587	7670	7542	-16.0	-6.1	-27.1	-25.8	287	3.6	7.9
350	8580	8666	8527	-22.9	-14.5	-31.3	-32.2	268	5.5	9.0
300	9695	9811	9637	-31.0	-22.1	-41.1		254	7.6	10.5
250	10962	11106	10893	-41.0	-31.7	-57.7		239	9.9	12.7
200	12442	12630	12338	-52.9	-41.7	-64.7		225	11.6	14.7
175	13292	13505	13146	-59.7	-49.1	-77.9		224	11.4	14.6
150	14240	14491	14073	-67.0	-54.5	-79.7		226	9.9	13.1
125	15320	15615	15122	-73.6	-61.3	-85.5		227	6.5	10.2
100	16605	16953	16409	-78.5	-68.0	-88.1		195	2.3	7.6
80	17890	18275	17701	-75.4	-59.5	-89.1		106	2.0	6.3
70	18681	19117	18502	-71.4	-55.9	-85.3		090	2.5	6.0
60	19588	20031	19387	-66.9	-49.7	-80.1		089	3.0	5.8
50	20703	21167	20476	-62.1	-45.3	-76.3		095	3.7	6.2
40	22090	22559	21863	-58.6	-45.7	-70.9		093	5.3	7.2
30	23910	24413	23620	-54.8	-41.7	-69.9		091	7.2	8.8
25	25063	25621	24767	-53.0	-36.1	-68.7		089	8.8	9.7
20	26501	27210	26245	-51.1	-39.1	-65.9		088	9.6	10.9
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
561	4960	5350	4640				100	16640	-80.1

NORMALS OF RADIOSONDE DATA

MONTH : DECEMBER TIME : 1730 IST STATION : HYDERABAD

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	953	956	951	26.5	31.2	18.2	11.1	095	2.2	2.7
1000	115	141	90							
950	562	587	524	26.1	30.8	18.4	11.4	098	2.8	3.3
925	787	798	774	23.7	28.6	17.4	11.0	094	3.6	4.4
900	1039	1065	1017	21.0	28.2	13.0	8.3	087	3.2	4.1
850	1529	1562	1507	16.7	26.0	7.0	6.0	079	2.8	4.0
800	2042	2080	2015	13.2	23.2	5.0	1.7	065	2.2	4.1
750	2578	2610	2546	11.0	20.2	2.0	-2.6	049	1.4	4.7
700	3155	3205	3132	8.7	18.4	0.8	-5.5	348	0.9	5.1
650	3763	3802	3740	5.8	14.2	-3.1	-8.3	307	1.6	5.5
600	4415	4482	4388	2.3	10.6	-5.5	-11.6	289	2.6	6.2
550	5113	5175	5072	-1.8	6.4	-9.7	-14.8	279	3.7	7.2
500	5864	5947	5828	-6.5	2.2	-14.5	-18.8	275	5.1	8.4
450	6677	6762	6638	-11.7	-3.1	-20.3	-23.2	269	6.9	9.8
400	7572	7684	7529	-17.7	-7.5	-27.1	-28.0	267	9.2	11.9
350	8559	8642	8506	-24.5	-12.7	-33.9	-34.3	265	12.2	14.7
300	9665	9753	9615	-32.5	-23.1	-43.1		259	15.3	17.9
250	10926	11039	10864	-42.2	-33.3	-51.5		251	17.7	20.6
200	12399	12556	12324	-53.8	-42.5	-67.5		244	19.4	22.3
175	13247	13433	13156	-60.1	-48.7	-77.1		244	19.5	22.2
150	14194	14420	14085	-66.8	-53.7	-79.7		247	17.9	20.5
125	15279	15688	15148	-72.6	-59.5	-89.1		251	14.0	16.3
100	16576	17050	16404	-77.6	-63.7	-89.0		255	8.0	11.6
80	17859	18398	17636	-75.9	-62.9	-88.3		259	3.1	8.0
70	18650	19200	18409	-72.6	-55.1	-86.7		253	1.4	6.9
60	19560	20133	19295	-68.0	-51.9	-84.0		251	0.3	5.9
50	20675	20847	20386	-63.0	-49.3	-77.3		113	0.2	5.8
40	22064	22240	21726	-59.2	-46.0	-72.3		113	0.9	5.9
30	23875	24234	23573	-55.4	-41.5	-67.3		095	2.0	6.7
25	25050	25380	24781	-52.8	-37.7	-64.7		092	2.3	7.5
20	26505	26895	26353	-50.5	-33.3	-61.7		086	3.7	8.8
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
572	4800	5370	4360				097	16760	-79.3

NORMALS OF RADIOSONDE DATA

MONTH : JANUARY TIME : 1730 IST STATION : JAGDALPUR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	951	953	949	26.1	31.2	14.4	11.3	340	0.2	1.1
1000	112	130	98							
950	562	579	516	25.6	31.0	14.4	11.1	008	0.7	1.9
925	792	803	781	23.5	28.0	15.4	8.8	322	1.0	3.4
900	1037	1055	1025	21.4	27.6	12.4	7.3	329	0.9	3.2
850	1529	1548	1518	17.0	23.4	8.6	5.0	332	1.3	3.1
800	2042	2065	2030	12.8	22.0	3.4	2.3	324	1.8	3.6
750	2578	2603	2543	9.5	20.0	1.8	-1.4	310	2.7	4.7
700	3149	3183	3129	7.0	18.0	-0.7	-5.7	300	4.3	6.5
650	3755	3796	3719	4.5	14.6	-4.3	-9.7	291	6.6	8.5
600	4403	4449	4368	1.5	10.2	-7.7	-14.5	289	9.3	11.0
550	5108	5161	5059	-2.3	5.2	-10.9		287	11.3	13.0
500	5848	5907	5798	-6.9	0.8	-16.1		285	13.5	15.2
450	6668	6739	6606	-11.9	-2.3	-20.1		282	15.6	17.5
400	7555	7624	7491	-17.7	-9.7	-26.9		281	18.3	20.2
350	8543	8600	8477	-24.3	-11.3	-35.3		278	21.0	23.2
300	9649	9739	9573	-31.9	-22.7	-45.1		275	23.2	25.1
250	10909	11025	10827	-41.6	-28.3	-54.5		270	24.7	27.0
200	12383	12524	12282	-53.1	-42.3	-64.3		266	24.1	26.6
175	13230	13392	13118	-59.4	-49.1	-69.7		267	22.9	25.5
150	14180	14342	14060	-65.7	-53.5	-75.9		266	20.8	23.6
125	15269	15390	15120	-71.7	-59.3	-84.3		266	16.5	19.6
100	16566	16718	16400	-76.5	-63.9	-86.7		271	11.9	14.7
80	17845	18014	17637	-75.7	-64.1	-85.5		274	7.9	10.7
70	18631	18824	18410	-72.6	-59.9	-83.7		274	5.7	9.7
60	19538	19707	19308	-67.6	-54.5	-80.5		292	4.0	8.3
50	20647	20851	20407	-62.4	-50.1	-73.3		272	2.2	7.0
40	22027	22282	21782	-58.7	-45.1	-69.9		180	0.4	6.8
30	23838	24148	23548	-55.1	-42.7	-64.5				
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
584	4630	5140	3970				095	16850	-78.6

NORMALS OF RADIOSONDE DATA

MONTH : FEBRUARY TIME : 1730 IST STATION : JAGDALPUR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	949	951	948	29.3	34.8	19.0	11.3	271	0.6	1.7
1000	93	112	84							
950	549	566	537	28.6	34.4	19.2	10.4	356	0.9	1.8
925	781	788	770	26.2	32.2	15.0	9.8	272	1.8	3.9
900	1027	1044	1014	24.3	35.4	16.8	7.7	274	1.7	3.8
850	1523	1541	1507	19.8	27.8	7.2	5.9	282	2.0	3.8
800	2041	2064	2023	15.2	26.8	5.8	3.7	290	2.4	4.0
750	2578	2604	2562	10.7	24.4	3.8	0.6	295	3.0	4.7
700	3153	3188	3133	7.0	19.8	0.2	-4.0	299	4.6	6.2
650	3758	3797	3739	4.0	15.2	-3.5	-9.2	296	6.7	8.4
600	4404	4448	4383	1.1	10.8	-7.1	-14.1	291	9.2	10.9
550	5109	5163	5074	-2.6	6.8	-10.9	-17.8	288	11.5	13.3
500	5848	5907	5813	-6.9	1.2	-15.7		286	13.8	15.5
450	6668	6752	6618	-12.1	-3.1	-21.5		284	16.0	17.8
400	7553	7637	7495	-17.8	-8.1	-27.9		284	18.8	20.9
350	8543	8625	8471	-24.3	-12.5	-35.3		282	21.5	23.9
300	9647	9748	9561	-31.7	-22.1	-44.1		278	23.9	26.8
250	10910	11030	10807	-41.1	-30.5	-54.1		274	24.6	27.6
200	12388	12526	12271	-52.1	-39.9	-68.1		272	25.2	27.9
175	13241	13393	13112	-58.1	-45.5	-72.1		273	23.2	25.8
150	14198	14380	14054	-64.4	-50.3	-79.1		271	21.3	23.5
125	15289	15465	15098	-71.0	-57.9	-80.5		272	17.3	19.7
100	16587	16785	16423	-75.4	-61.5	-85.9		279	12.7	15.0
80	17869	18100	17693	-75.7	-60.3	-86.9		282	7.5	11.2
70	18655	18910	18467	-72.8	-58.9	-86.5		282	5.3	9.5
60	19562	19875	19365	-68.0	-53.9	-80.3		290	4.5	8.6
50	20669	20977	20440	-62.5	-48.1	-74.3		287	2.9	7.8
40	22051	22386	21797	-58.5	-46.1	-71.9		221	1.0	6.7
30	23885	24241	23624	-54.5	-40.7	-64.7				
25	25039	25424	24774	-52.7	-38.5	-63.7				
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
586	4600	5230	4180				097	16790	-77.7

NORMALS OF RADIOSONDE DATA

MONTH : MARCH TIME : 1730 IST STATION : JAGDALPUR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	947	948	944	33.1	39.0	18.4	11.9	261	0.8	1.7
1000	64	77	37							
950	528	546	492							
925	762	773	737	31.1	37.2	21.2	9.7	270	2.2	4.4
900	1011	1023	988	28.3	36.2	17.2	8.3	272	2.3	4.4
850	1513	1531	1494	23.7	34.4	14.8	6.3	279	2.6	4.3
800	2038	2060	2021	19.0	29.6	11.0	4.6	290	2.9	4.5
750	2578	2602	2558	14.2	25.4	6.2	2.5	298	3.2	4.6
700	3163	3200	3144	9.2	18.8	0.0	-0.4	305	3.8	5.3
650	3765	3807	3735	4.7	15.4	-2.9	-4.7	308	4.9	6.6
600	4420	4473	4392	1.1	11.6	-7.1	-10.7	302	6.8	8.5
550	5122	5187	5084	-2.3	8.0	-12.5	-16.3	296	8.7	10.2
500	5864	5941	5828	-6.5	2.6	-16.7	-21.1	289	11.1	12.7
450	6684	6778	6639	-11.6	-2.1	-23.5	-25.4	285	13.0	14.7
400	7571	7667	7521	-17.5	-6.3	-29.9		284	15.2	17.2
350	8562	8652	8489	-24.1	-14.1	-36.9		282	17.8	20.0
300	9666	9768	9573	-31.7	-21.5	-45.1		278	20.6	22.8
250	10930	11035	10812	-40.8	-28.9	-55.7		273	22.6	25.3
200	12411	12562	12261	-51.6	-40.5	-64.9		270	22.7	25.2
175	13264	13442	13103	-57.6	-46.9	-79.1		270	21.9	24.3
150	14219	14409	14048	-63.8	-51.3	-76.9		272	20.1	22.4
125	15305	15533	15137	-70.2	-55.5	-82.5		273	16.7	19.0
100	16600	16872	16423	-75.3	-60.1	-86.5		271	10.8	13.7
80	17872	18108	17696	-75.2	-58.5	-88.3		279	5.7	9.2
70	18659	18946	18474	-72.3	-57.7	-86.3		285	3.9	8.2
60	19575	19851	19368	-67.6	-53.5	-80.3		293	2.8	7.2
50	20690	20983	20468	-61.5	-50.1	-73.7		305	0.9	6.3
40	22088	22464	21852	-56.7	-44.5	-68.1		202	0.4	6.8
30	23932	24327	23655	-52.4	-34.5	-65.5		169	1.7	7.5
25	25086	25533	24816	-51.0	-35.9	-62.3				
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
586	4610	5510	4160				096	16850	-77.6

NORMALS OF RADIOSONDE DATA

MONTH : APRIL TIME : 1730 IST STATION : JAGDALPUR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	944	947	942	34.6	41.0	20.2	14.3	235	0.8	2.4
1000	36	64	10							
950	500	525	434							
925	742	758	721	32.5	39.2	19.2	13.0	249	1.8	4.8
900	988	1004	969	30.6	37.8	16.6	10.7	264	2.2	4.9
850	1494	1512	1477	26.1	34.8	12.6	8.5	276	2.6	4.6
800	2023	2044	2007	21.5	30.8	9.6	6.6	289	2.9	4.7
750	2568	2598	2534	16.7	26.2	5.6	4.6	302	3.0	4.7
700	3159	3190	3136	11.6	21.4	1.6	2.1	317	3.2	5.0
650	3763	3798	3737	6.5	16.2	-3.1	-1.6	325	3.7	5.7
600	4423	4467	4374	2.0	10.8	-6.9	-6.8	320	4.7	6.6
550	5126	5182	5060	-1.9	8.0	-10.3	-12.4	308	6.0	7.9
500	5872	5930	5795	-6.0	5.0	-15.3	-17.4	297	7.4	9.4
450	6696	6766	6602	-10.8	-2.1	-20.7	-21.9	289	9.5	11.5
400	7585	7657	7474	-16.5	-8.1	-25.1	-26.6	283	11.5	13.8
350	8577	8645	8448	-23.1	-13.3	-33.9	-32.6	278	14.0	16.5
300	9689	9772	9542	-30.7	-20.7	-44.5	-39.8	273	16.8	19.6
250	10958	11061	10797	-40.1	-29.9	-55.9		267	18.8	21.4
200	12443	12579	12264	-51.3	-40.3	-65.9		262	19.8	22.2
175	13298	13460	13118	-57.4	-46.7	-69.7		264	18.1	20.4
150	14254	14431	14078	-63.8	-49.7	-75.7		264	15.9	18.2
125	15354	15558	15178	-70.2	-51.1	-80.3		265	11.4	14.3
100	16656	16874	16456	-75.9	-63.5	-84.7		262	5.8	10.7
80	17935	18209	17708	-75.1	-58.5	-84.7		300	0.8	8.0
70	18725	19014	18474	-72.0	-56.1	-84.1		030	0.3	7.2
60	19630	19962	19379	-66.3	-48.1	-84.7		051	0.6	6.3
50	20756	21120	20483	-60.2	-43.5	-81.3		097	1.2	6.0
40	22164	22568	21860	-55.2	-40.5	-77.9		109	2.8	6.1
30	24025	24496	23684	-50.0	-35.5	-70.3		106	4.7	7.3
25	25204	25738	24845	-47.8	-32.5	-67.3		105	4.4	7.7
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
573	4790	5310	3900				095	16980	-77.9

NORMALS OF RADIOSONDE DATA

MONTH : MAY TIME : 1730 IST STATION : JAGDALPUR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	942	945	939	34.2	43.0	21.6	17.8	234	0.8	2.1
1000	14	51	1							
950	476	519	408							
925	714	721	696	32.7	40.8	20.4	17.0	245	2.3	5.1
900	964	999	939	30.8	38.8	15.6	14.1	262	2.3	5.1
850	1471	1504	1442	26.6	35.2	12.2	11.7	292	2.6	5.0
800	2002	2032	1969	22.4	30.4	8.2	9.5	313	3.3	5.3
750	2554	2584	2513	18.0	26.0	4.4	6.9	328	3.7	5.6
700	3143	3174	3110	13.2	21.2	1.0	3.6	340	4.1	6.1
650	3757	3798	3715	8.3	15.6	-1.1	-0.1	346	4.6	6.6
600	4416	4459	4377	3.6	10.6	-5.1	-4.3	343	5.0	7.1
550	5125	5187	5083	-0.6	9.0	-9.5	-9.6	335	4.9	7.1
500	5873	5936	5830	-4.3	3.6	-13.7	-14.5	320	5.1	7.5
450	6705	6781	6671	-8.6	-0.7	-16.5	-19.2	307	5.5	8.3
400	7601	7678	7565	-13.8	-6.3	-22.1	-23.8	294	5.9	8.9
350	8607	8680	8559	-20.2	-11.9	-28.9	-29.5	279	6.8	9.9
300	9729	9822	9672	-27.8	-17.9	-38.5	-36.2	267	7.5	10.6
250	11014	11116	10944	-37.4	-24.9	-50.7	-44.7	257	7.4	11.2
200	12516	12653	12422	-49.4	-35.1	-63.7		240	6.7	11.7
175	13376	13541	13280	-56.3	-41.3	-69.7		226	6.0	11.7
150	14336	14549	14226	-63.8	-48.7	-77.5		211	4.8	11.5
125	15435	15650	15310	-70.9	-57.9	-81.5		156	3.7	10.4
100	16732	16963	16596	-76.7	-62.5	-88.9		114	6.3	10.4
80	18006	18303	17852	-76.2	-64.3	-89.1		096	8.5	10.7
70	18797	19133	18613	-72.0	-59.3	-82.7		098	8.6	10.2
60	19693	20023	19508	-66.1	-52.1	-76.9		102	8.2	9.4
50	20814	21167	20609	-59.8	-42.3	-74.5		102	7.2	8.5
40	22226	22618	21996	-55.0	-41.1	-64.5		094	8.2	9.0
30	24074	24690	23823	-50.5	-36.5	-60.7		090	9.0	10.1
25	25248	25940	24999	-48.3	-32.7	-57.7				
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
556	5020	5550	4620				096	16990	-78.9

NORMALS OF RADIOSONDE DATA

MONTH : JUNE TIME : 1730 IST STATION : JAGDALPUR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	939	941	938	30.1	41.6	21.8	21.4	240	1.4	2.2
1000	5	17	0							
950	459	480	411							
925	694	715	677	29.3	40.8	20.6	20.4	246	3.2	4.9
900	940	960	924	27.1	44.2	17.8	18.4	261	4.1	5.9
850	1443	1464	1420	23.5	38.2	15.8	15.9	282	4.5	6.4
800	1969	1990	1940	19.9	32.8	12.8	13.3	297	4.8	6.9
750	2523	2549	2486	16.3	27.6	9.8	9.9	309	4.7	7.2
700	3105	3131	3067	12.7	24.8	5.4	6.2	318	4.3	7.2
650	3725	3768	3689	8.8	21.4	1.2	2.4	322	4.0	7.1
600	4382	4425	4336	4.9	16.8	-2.5	-1.3	322	3.7	6.7
550	5102	5160	5072	1.2	11.8	-6.9	-5.2	317	3.5	6.4
500	5849	5909	5804	-2.6	7.4	-10.5	-9.2	316	3.0	6.1
450	6688	6774	6648	-6.8	3.2	-14.3	-14.0	328	2.3	6.0
400	7589	7671	7548	-11.8	-1.5	-20.1	-19.7	007	1.6	5.6
350	8603	8687	8558	-17.9	-7.5	-26.9	-26.2	065	2.3	5.8
300	9737	9842	9685	-25.5	-14.9	-34.1	-33.6	085	4.0	6.7
250	11033	11153	10965	-35.4	-25.1	-44.1	-42.7	093	6.5	8.6
200	12545	12669	12463	-47.9	-38.7	-57.9		098	10.2	12.3
175	13408	13539	13323	-55.5	-45.3	-65.1		099	12.5	14.6
150	14370	14517	14283	-63.3	-52.1	-74.7		100	15.7	17.5
125	15463	15620	15369	-71.7	-61.5	-83.5		097	18.8	20.6
100	16756	16946	16630	-77.8	-64.7	-87.5		097	20.3	21.4
80	18030	18219	17914	-76.1	-59.9	-86.3		094	19.2	19.9
70	18813	19076	18673	-72.2	-52.9	-82.5		096	17.0	17.7
60	19720	20005	19581	-66.5	-50.7	-79.9		101	14.8	15.5
50	20839	21177	20666	-60.5	-46.3	-78.5		098	14.2	14.8
40	22235	22634	22048	-55.7	-43.1	-75.5				
30										
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
533	5340	6020	4900				097	16970	-79.7

NORMALS OF RADIOSONDE DATA

MONTH : JULY TIME : 1730 IST STATION : JAGDALPUR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	940	942	939	26.9	35.2	22.0	22.6	244	1.6	2.2
1000	9	26	1							
950	462	490	420							
925	695	705	684	25.8	32.6	19.8	21.5	255	4.1	5.0
900	942	958	930	23.9	31.8	18.2	20.0	266	5.5	6.5
850	1439	1455	1426	20.6	28.0	12.0	17.3	280	6.8	7.9
800	1962	1978	1948	17.6	24.4	9.4	14.4	287	7.5	8.9
750	2514	2536	2498	14.7	21.6	7.2	11.3	289	7.3	8.9
700	3093	3113	3071	11.8	19.4	4.8	7.8	290	6.7	8.5
650	3714	3759	3696	8.8	16.8	0.4	4.2	291	5.6	7.9
600	4370	4408	4338	5.5	14.0	-3.7	0.6	294	4.5	7.0
550	5092	5147	5056	2.0	11.4	-6.3	-3.3	294	3.4	6.4
500	5841	5901	5799	-1.9	8.4	-10.1	-7.5	301	1.9	5.7
450	6683	6763	6641	-6.3	3.4	-14.5	-12.4	013	1.0	5.5
400	7586	7670	7538	-11.4	-2.1	-21.1	-18.2	078	2.2	5.7
350	8602	8694	8551	-17.6	-7.1	-26.3	-25.3	091	4.5	6.8
300	9735	9855	9674	-25.4	-15.7	-35.1	-33.2	096	7.4	8.9
250	11032	11163	10951	-35.3	-26.7	-47.7	-42.7	096	11.5	12.6
200	12546	12685	12447	-47.8	-39.1	-63.1		093	16.5	17.4
175	13414	13553	13312	-55.2	-45.7	-66.7		090	19.8	20.8
150	14380	14520	14253	-63.3	-52.3	-74.9		089	23.4	24.4
125	15476	15621	15359	-71.6	-59.7	-80.9		088	27.5	28.6
100	16763	16925	16610	-77.0	-62.7	-87.9		091	30.1	31.0
80	18043	18282	17878	-74.0	-54.3	-86.9		092	25.8	26.4
70	18841	19108	18666	-69.6	-56.7	-83.3		093	23.1	23.6
60	19760	20022	19607	-64.8	-50.1	-74.5		097	20.8	21.2
50	20877	21157	20709	-60.4	-45.7	-77.7		100	20.1	20.8
40	22270	22611	22074	-56.8	-40.3	-67.7		096	19.8	20.3
30	24092	24439	23879	-52.9	-41.3	-67.7				
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
525	5460	6310	5150				102	16660	-78.2

NORMALS OF RADIOSONDE DATA

MONTH : AUGUST TIME : 1730 IST STATION : JAGDALPUR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	941	942	939	26.3	32.0	21.0	22.4	256	1.4	1.9
1000	17	33	3							
950	468	493	422							
925	709	721	697	25.3	31.2	21.2	21.6	261	4.1	5.3
900	948	967	931	23.7	31.6	17.0	20.1	274	5.1	6.3
850	1445	1466	1427	20.6	26.4	14.2	17.7	287	6.2	7.7
800	1968	1992	1947	17.7	24.8	11.4	14.9	294	6.4	8.3
750	2519	2549	2495	14.8	23.4	8.2	11.7	296	5.9	8.1
700	3099	3132	3073	11.9	19.8	2.8	8.5	295	5.1	7.6
650	3721	3759	3691	8.9	16.6	-2.9	4.6	296	4.1	7.0
600	4376	4419	4348	5.8	14.0	-8.5	0.7	299	3.1	6.3
550	5097	5152	5063	2.2	10.4	-12.5	-3.3	305	2.1	6.0
500	5849	5913	5810	-1.6	6.2	-15.3	-7.6	355	0.9	5.7
450	6690	6770	6646	-6.0	2.2	-18.1	-12.8	058	1.4	5.6
400	7596	7691	7554	-11.2	-2.3	-21.7	-18.9	080	2.7	5.9
350	8611	8722	8554	-17.4	-8.1	-27.1	-25.6	088	5.0	7.3
300	9747	9883	9682	-25.2	-15.9	-38.9	-33.3	094	7.8	9.3
250	11045	11207	10961	-35.1	-23.3	-47.9	-42.7	096	11.3	12.5
200	12563	12746	12454	-47.6	-37.5	-61.9		093	16.0	16.9
175	13431	13624	13303	-55.1	-45.3	-71.1		092	19.0	19.9
150	14394	14592	14258	-63.3	-52.3	-74.3		090	22.6	23.8
125	15492	15730	15283	-71.6	-61.9	-83.7		090	27.0	28.1
100	16784	17000	16558	-76.5	-64.1	-88.9		093	27.1	27.8
80	18077	18414	17815	-71.9	-58.3	-82.9		094	24.0	24.7
70	18888	19267	18603	-67.7	-53.1	-78.9		098	21.5	22.1
60	19801	20157	19500	-63.5	-51.1	-73.7		098	19.3	19.7
50	20926	21265	20593	-59.6	-46.9	-74.5		099	20.1	20.8
40	22327	22692	21966	-55.9	-42.3	-68.9				
30	24169	24472	23820	-51.9	-36.7	-63.3				
25	25327	25700	24920	-50.1	-33.3	-62.9				
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
521	5540	6400	4920				104	16600	-77.9

NORMALS OF RADIOSONDE DATA

MONTH : SEPTEMBER TIME : 1730 IST STATION : JAGDALPUR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	943	945	942	27.0	32.0	21.4	22.5	277	0.6	1.5
1000	38	55	23							
950	488	512	442							
925	726	742	716	26.0	29.8	20.6	20.8	275	1.8	4.2
900	970	987	958	24.1	30.0	18.2	19.3	301	2.1	4.8
850	1469	1485	1454	20.7	27.2	13.8	16.5	314	2.5	5.6
800	1990	2008	1975	17.3	23.8	10.6	13.4	328	2.6	5.9
750	2537	2569	2509	14.1	20.6	7.4	9.9	329	2.4	5.9
700	3118	3146	3102	10.9	17.0	5.8	6.1	320	1.9	5.6
650	3736	3777	3713	7.8	14.2	0.8	2.3	304	1.6	5.2
600	4390	4432	4366	4.6	11.4	-0.9	-1.6	290	1.1	5.2
550	5106	5168	5067	1.0	8.0	-5.1	-5.6	263	0.6	5.0
500	5855	5917	5819	-3.0	4.8	-11.3	-10.4	177	0.4	5.0
450	6692	6779	6644	-7.6	-0.1	-13.7	-15.5	108	0.8	5.2
400	7591	7682	7541	-12.9	-4.7	-18.9	-21.2	091	2.0	5.4
350	8600	8693	8539	-19.3	-10.5	-26.7	-27.8	095	3.5	6.0
300	9728	9849	9658	-27.1	-17.1	-36.7	-35.4	100	5.2	7.0
250	11017	11153	10936	-37.1	-26.3	-45.1	-44.3	104	7.4	8.8
200	12519	12666	12425	-49.8	-36.7	-59.9		103	10.6	12.0
175	13375	13522	13276	-57.3	-46.7	-67.3		101	12.9	14.2
150	14329	14470	14220	-65.4	-50.3	-77.5		100	15.3	16.8
125	15414	15546	15303	-73.4	-64.1	-86.5		097	17.0	18.1
100	16697	16857	16569	-77.7	-65.9	-88.5		096	17.8	18.6
80	17977	18177	17844	-73.5	-60.1	-84.1		096	15.3	16.1
70	18772	19011	18614	-69.0	-55.1	-80.9		099	14.2	14.7
60	19697	19937	19527	-64.5	-51.1	-73.5		100	13.5	13.9
50	20825	21145	20630	-60.5	-48.5	-70.3		101	14.5	14.9
40	22224	22582	21996	-57.1	-43.9	-67.1		098	15.6	15.9
30	24058	24454	23781	-53.7	-36.9	-64.5				
25	25224	25680	24916	-51.7	-39.7	-62.3				
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
537	5300	5990	4820				104	16500	-79.2

NORMALS OF RADIOSONDE DATA

MONTH : OCTOBER TIME : 1730 IST STATION : JAGDALPUR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	947	950	945	27.3	35.4	20.2	19.9	358	0.8	2.0
1000	74	106	58							
950	524	561	499							
925	760	789	745	25.7	30.8	17.6	17.5	031	2.8	4.5
900	1005	1037	990	23.9	29.4	15.2	14.4	036	3.1	4.8
850	1502	1534	1488	20.0	26.4	10.4	11.8	039	3.0	5.0
800	2021	2057	2006	16.2	23.8	8.0	9.1	045	2.8	5.1
750	2569	2607	2554	12.7	20.0	5.2	5.4	048	2.3	5.3
700	3143	3187	3126	9.7	17.0	2.4	1.5	045	1.3	5.1
650	3758	3807	3741	6.9	14.2	-1.9	-2.0	011	0.2	5.1
600	4409	4459	4392	3.9	14.4	-6.9	-5.6	250	0.7	5.3
550	5122	5181	5095	0.3	9.0	-7.1	-9.5	251	1.1	5.5
500	5869	5929	5845	-3.9	5.0	-12.1	-13.8	254	1.3	5.5
450	6700	6779	6666	-8.7	-2.1	-17.3	-18.0	258	1.6	5.7
400	7597	7677	7557	-14.3	-6.9	-23.3	-24.0	254	2.3	6.1
350	8600	8695	8552	-20.9	-12.5	-30.5	-30.8	252	3.0	6.7
300	9719	9848	9652	-29.0	-19.1	-38.7	-37.4	243	3.6	7.5
250	10995	11172	10916	-39.2	-25.1	-49.3		229	4.5	8.9
200	12484	12698	12384	-51.8	-41.7	-69.3		210	5.8	10.4
175	13334	13576	13218	-58.9	-47.5	-73.1		204	5.9	11.1
150	14280	14551	14170	-66.6	-51.9	-79.5		192	5.3	10.8
125	15357	15671	15266	-74.1	-59.1	-86.1		158	4.7	9.8
100	16636	16929	16517	-78.9	-61.3	-89.7		116	5.1	9.2
80	17915	18138	17780	-74.8	-59.1	-88.3		102	6.4	8.4
70	18708	18971	18557	-70.6	-52.1	-84.1		102	7.1	8.3
60	19624	19894	19473	-65.9	-49.3	-79.7		102	7.2	8.1
50	20736	21017	20567	-61.8	-45.3	-74.3		101	8.2	8.9
40	22132	22442	21926	-58.1	-43.1	-70.3		094	9.6	10.2
30	23957	24308	23703	-54.5	-39.1	-66.9		096	10.8	11.7
25	25128	25556	24672	-52.4	-38.1	-63.9				
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
547	5160	5700	4640				103	16510	-80.3

NORMALS OF RADIOSONDE DATA

MONTH : NOVEMBER TIME : 1730 IST STATION : JAGDALPUR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	950	951	948	25.6	31.0	15.0	15.2	022	1.2	1.6
1000	102	120	88							
950	549	568	517	25.4	30.0	18.8	14.2	032	2.0	2.3
925	783	796	770	23.7	29.2	16.6	12.7	027	3.3	4.4
900	1026	1043	1012	21.8	29.6	11.0	10.0	035	3.4	4.4
850	1519	1537	1502	17.8	28.0	9.6	7.5	037	2.9	4.1
800	2035	2055	2015	14.0	24.0	7.4	4.5	037	2.3	4.1
750	2577	2603	2557	11.3	20.8	1.8	1.7	033	1.4	4.2
700	3149	3180	3125	9.0	18.8	0.0	-1.5	344	1.1	4.7
650	3760	3797	3733	6.2	16.0	-3.5	-4.2	313	1.7	5.1
600	4410	4452	4379	2.9	11.0	-5.9	-7.6	300	2.7	5.9
550	5121	5172	5076	-0.7	6.8	-9.5	-12.1	295	3.6	6.5
500	5865	5919	5823	-5.2	2.0	-13.5	-15.6	292	4.7	7.8
450	6691	6778	6639	-10.2	-2.5	-19.5	-20.5	288	6.2	9.2
400	7583	7665	7525	-15.9	-7.7	-24.1		283	8.0	10.5
350	8579	8664	8500	-22.7	-12.9	-31.1		273	10.0	12.4
300	9691	9799	9603	-30.7	-21.7	-38.9		265	12.8	14.6
250	10960	11073	10855	-40.6	-27.1	-49.1		255	14.8	16.7
200	12440	12558	12323	-52.8	-41.3	-64.1		247	16.0	18.6
175	13288	13419	13165	-59.7	-50.5	-71.7		246	15.1	17.9
150	14236	14378	14107	-66.8	-56.1	-82.3		248	13.7	16.5
125	15315	15506	15181	-73.5	-61.1	-87.1		252	9.9	12.8
100	16594	16814	16458	-78.3	-61.1	-88.9		247	4.2	9.0
80	17873	18125	17706	-75.8	-63.1	-87.1		192	0.5	6.5
70	18663	18961	18494	-71.8	-59.3	-82.1		092	0.8	6.0
60	19573	19885	19391	-67.1	-54.1	-80.1		094	2.4	5.8
50	20689	21033	20478	-62.3	-47.1	-75.5		098	3.3	6.1
40	22089	22459	21859	-58.5	-44.7	-73.7		097	5.3	7.2
30	23917	24445	23656	-54.7	-42.5	-69.9		099	5.9	8.3
25	25092	25650	24725	-52.7	-42.7	-67.9				
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
561	4950	5620	4280				100	16640	-79.9

NORMALS OF RADIOSONDE DATA

MONTH : DECEMBER TIME : 1730 IST STATION : JAGDALPUR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	951	955	949	24.6	29.0	16.4	12.4	017	0.6	0.9
1000	121	159	103							
950	568	600	540	24.5	28.8	20.2	11.9	022	1.2	1.8
925	794	812	769	22.3	29.4	16.8	8.5	018	2.3	3.5
900	1042	1075	1024	20.5	28.2	14.8	7.2	023	2.1	3.3
850	1532	1563	1514	16.3	24.6	10.8	4.6	016	1.9	3.1
800	2044	2074	2027	12.8	20.2	7.0	0.8	009	1.6	3.3
750	2585	2600	2566	10.8	18.2	4.6	-2.9	350	1.6	4.1
700	3156	3178	3141	8.6	17.4	1.4	-6.5	321	2.4	5.1
650	3767	3790	3746	5.8	13.8	-1.9	-8.7	305	3.7	6.2
600	4415	4437	4393	2.4	10.6	-5.3	-11.9	295	5.0	7.4
550	5123	5161	5086	-1.7	6.6	-9.3		291	6.6	8.9
500	5864	5903	5833	-6.3	4.6	-14.3		284	8.1	10.4
450	6685	6740	6639	-11.5	-1.7	-20.9		280	10.0	12.3
400	7574	7633	7517	-17.5	-6.1	-28.3		277	12.4	14.4
350	8563	8629	8488	-24.3	-14.3	-36.3		275	14.8	16.8
300	9668	9753	9572	-32.4	-23.9	-44.9		271	18.3	20.3
250	10926	11025	10807	-42.3	-31.7	-52.5		263	20.9	23.2
200	12395	12527	12257	-53.9	-43.5	-62.1		256	22.5	24.9
175	13240	13394	13089	-60.3	-50.1	-71.5		255	21.7	24.2
150	14181	14386	14026	-66.6	-52.9	-75.3		256	19.2	21.4
125	15263	15514	15105	-72.3	-56.1	-82.7		258	15.5	17.4
100	16549	16879	16395	-77.6	-65.5	-87.7		266	8.2	11.3
80	17820	18225	17657	-77.0	-61.5	-87.9		272	3.0	7.8
70	18602	19080	18420	-73.9	-59.1	-87.9		288	2.1	6.8
60	19506	19994	19316	-68.9	-55.5	-80.3		020	1.4	6.5
50	20611	21149	20409	-63.7	-50.1	-76.5		071	1.0	5.8
40	22003	22574	21744	-59.4	-46.5	-71.1				
30	23811	24431	23552	-55.6	-44.5	-68.1				
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
570	4820	5420	4360				097	16740	-79.7

NORMALS OF RADIOSONDE DATA

MONTH : JANUARY TIME : 1730 IST STATION : JODHPUR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	989	991	987	23.5	32.8	13.0	3.8	014	1.0	2.3
1000	119	138	105							
950	544	576	506	19.4	30.2	11.0	1.3	354	1.4	3.8
925	785	807	733	17.4	27.2	10.2	0.8	337	1.1	4.0
900	1024	1043	1009	15.0	24.8	7.0	-0.7	342	1.1	4.0
850	1503	1525	1482	11.1	20.4	2.0	-2.9	300	1.5	4.2
800	2006	2031	1982	7.9	16.8	-0.5	-5.7	275	3.4	5.6
750	2536	2565	2511	5.2	14.6	-5.1	-8.9	273	6.2	7.8
700	3096	3127	3064	2.5	10.6	-7.1	-11.8	272	9.2	10.6
650	3693	3726	3646	-0.7	9.0	-11.7	-14.4	272	12.1	13.5
600	4326	4362	4279	-4.4	5.0	-14.1	-17.3	272	15.5	16.9
550	5014	5067	4975	-8.7	2.2	-19.3	-21.5	272	19.0	20.4
500	5739	5778	5682	-13.4	0.0	-24.5	-25.5	273	22.4	24.0
450	6536	6608	6470	-18.6	-3.7	-28.9	-29.8	272	26.6	28.4
400	7403	7481	7321	-24.6	-8.5	-36.0	-35.0	272	30.8	32.7
350	8368	8478	8270	-31.1	-15.3	-45.0	-40.6	272	36.4	38.5
300	9442	9577	9323	-38.1	-22.3	-50.5	-45.8	271	41.1	43.4
250	10675	10827	10553	-45.9	-32.9	-61.5		270	46.3	49.1
200	12133	12309	11957	-54.2	-42.5	-74.7		268	47.1	49.7
175	12980	13158	12803	-58.4	-44.3	-76.7		268	46.4	48.6
150	13941	14107	13768	-62.7	-49.9	-78.1		269	43.9	45.5
125	15051	15191	14921	-67.0	-53.3	-85.1		270	38.1	39.5
100	16385	16570	16230	-71.1	-59.7	-89.3		270	31.8	32.9
80	17710	17937	17526	-71.2	-59.7	-88.1		271	23.2	24.3
70	18510	18740	18286	-69.2	-56.3	-80.7		272	18.7	19.8
60	19432	19727	19102	-65.7	-52.5	-79.0		274	13.5	15.4
50	20550	20861	20304	-61.8	-48.1	-76.0		273	9.3	12.6
40	21954	22289	21674	-57.5	-44.1	-75.0		273	7.6	11.2
30	23794	24142	23492	-53.4	-34.1	-65.9				
25	24976	25321	24642	-51.7	-38.5	-64.9				
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
665	3530	4300	3050	208	11940	-57.7	099	16510	-72.6

NORMALS OF RADIOSONDE DATA

MONTH : FEBRUARY TIME : 1730 IST STATION : JODHPUR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	987	989	984	26.4	35.6	15.8	4.1	301	0.8	2.6
1000	101	116	73							
950	530	566	492	22.2	32.2	11.2	1.1	291	1.6	4.4
925	773	797	725	20.5	31.2	11.4	0.0	277	2.2	4.9
900	1014	1032	991	17.6	30.2	7.0	-1.0	284	1.7	4.6
850	1498	1518	1478	13.2	25.8	3.2	-2.9	274	2.1	4.9
800	2004	2026	1984	9.3	20.4	-0.3	-5.2	273	3.5	5.7
750	2533	2559	2507	6.0	17.2	-4.0	-7.9	269	6.1	8.0
700	3096	3122	3069	2.7	12.0	-7.3	-10.5	270	8.8	10.3
650	3692	3728	3654	-0.7	8.0	-11.0	-13.9	271	11.8	13.3
600	4328	4358	4291	-4.4	4.2	-15.1	-17.1	270	14.6	16.1
550	5015	5061	4975	-8.6	1.8	-20.0	-20.9	272	17.8	19.3
500	5741	5779	5695	-13.4	-3.5	-26.0	-25.4	272	21.1	22.8
450	6538	6588	6467	-18.7	-8.1	-32.0	-29.9	272	25.2	27.0
400	7404	7477	7329	-24.5	-9.7	-39.0	-35.1	272	29.5	31.6
350	8370	8463	8270	-30.8	-11.1	-46.0	-41.1	272	34.1	36.4
300	9443	9567	9327	-37.7	-20.7	-52.0	-45.5	272	39.3	41.9
250	10679	10838	10528	-45.2	-29.3	-60.3		271	43.3	46.6
200	12151	12330	11973	-52.9	-40.5	-72.3		270	44.9	47.5
175	13005	13193	12803	-57.3	-44.9	-79.3		270	43.0	45.2
150	13967	14157	13754	-61.9	-49.1	-84.3		270	39.9	41.8
125	15081	15305	14838	-66.9	-54.1	-83.3		270	36.4	37.9
100	16411	16639	16125	-71.2	-56.3	-84.9		270	29.8	30.9
80	17731	17954	17418	-71.9	-59.0	-84.9		271	21.8	22.5
70	18527	18765	18056	-70.2	-57.1	-82.9		271	18.0	19.1
60	19452	19722	18964	-66.8	-53.1	-80.9		273	13.7	15.5
50	20572	20876	20285	-62.0	-48.7	-75.7		270	10.5	13.4
40	21981	22299	21675	-57.3	-43.3	-72.7		269	8.5	12.1
30	23835	24253	23539	-53.3	-41.5	-66.3				
25	25001	25445	24708	-51.1	-36.1	-62.7				
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
662	3560	4220	3020	225	11490	-54.8	099	16570	-73.1

NORMALS OF RADIOSONDE DATA

MONTH : MARCH TIME : 1730 IST STATION : JODHPUR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	984	985	981	32.4	41.2	14.4	6.5	264	1.7	3.0
1000	72	86	52							
950	512	539	481	28.5	40.0	11.8	3.9	267	3.2	5.0
925	756	772	726	26.3	38.8	13.2	3.5	271	3.4	5.3
900	1004	1019	988	23.7	36.4	8.8	1.6	266	3.4	5.3
850	1498	1518	1482	19.1	31.8	5.2	-0.3	266	3.6	5.5
800	2014	2038	1994	14.3	26.0	1.2	-2.7	265	4.0	5.7
750	2550	2596	2524	9.8	21.4	-3.1	-5.2	266	5.3	6.8
700	3121	3158	3090	5.6	19.0	-7.3	-8.6	267	7.4	8.8
650	3723	3766	3682	1.5	11.4	-10.1	-12.0	269	9.9	11.2
600	4363	4410	4316	-2.5	7.2	-14.0	-15.8	269	12.5	13.9
550	5055	5101	4992	-7.0	6.0	-18.0	-19.7	269	14.9	16.4
500	5783	5844	5724	-11.9	-1.3	-24.0	-24.2	270	17.7	19.2
450	6587	6647	6521	-17.4	-7.1	-30.0	-29.4	271	20.8	22.3
400	7456	7526	7387	-23.6	-10.1	-36.0	-34.3	271	24.0	25.8
350	8425	8493	8341	-30.6	-15.0	-42.5	-40.9	272	27.2	29.3
300	9499	9572	9402	-38.2	-24.7	-51.0	-46.2	272	30.1	32.6
250	10734	10837	10613	-46.3	-30.3	-59.9		271	33.5	36.6
200	12191	12316	12045	-53.7	-39.9	-69.3		269	37.0	39.8
175	13043	13181	12861	-57.3	-44.7	-71.7		269	36.6	38.8
150	14006	14163	13839	-61.7	-46.5	-74.7		269	34.2	36.2
125	15120	15294	14920	-66.8	-52.3	-77.7		270	29.9	31.5
100	16451	16660	16250	-71.3	-55.7	-86.3		267	22.9	24.1
80	17772	18018	17519	-72.0	-58.1	-87.9		270	15.7	17.4
70	18574	18849	18289	-70.3	-53.0	-82.5		272	12.4	14.2
60	19504	19761	19166	-66.6	-50.5	-78.0		273	9.2	11.6
50	20632	20888	20272	-61.9	-46.9	-75.5		268	6.4	10.0
40	22021	22293	21552	-57.4	-44.1	-74.5		265	4.8	8.5
30	23862	24200	23402	-52.8	-37.5	-68.3				
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
633	3950	4380	3340	225	11380	-55.5	099	16590	-72.7

NORMALS OF RADIOSONDE DATA

MONTH : APRIL TIME : 1730 IST STATION : JODHPUR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	980	982	978	37.5	44.0	22.0	9.5	250	2.7	3.6
1000	34	52	14							
950	486	515	454	34.1	43.4	19.0	6.9	253	4.5	5.8
925	736	754	702	32.3	42.0	20.4	5.7	261	4.2	5.5
900	983	999	968	29.3	40.6	16.2	4.6	256	4.6	6.0
850	1486	1507	1472	24.4	36.6	13.6	2.4	255	4.7	6.2
800	2011	2036	1994	19.5	30.6	8.8	-0.1	258	4.6	5.8
750	2555	2589	2522	14.5	25.2	3.2	-2.8	260	4.7	6.0
700	3138	3170	3107	9.5	19.8	-1.3	-5.9	263	5.1	6.6
650	3744	3782	3690	4.6	14.4	-6.1	-9.7	267	6.3	7.8
600	4393	4432	4344	0.0	10.6	-10.0	-14.2	270	8.3	9.8
550	5087	5123	5048	-4.6	5.6	-18.0	-18.5	271	10.2	11.8
500	5826	5870	5770	-9.8	1.0	-23.0	-23.6	273	12.4	13.9
450	6633	6682	6571	-15.4	-3.9	-27.0	-28.4	273	14.8	16.5
400	7510	7566	7451	-21.9	-11.5	-35.1	-33.6	274	17.1	19.1
350	8484	8549	8427	-29.1	-17.5	-44.0	-39.7	274	19.8	22.1
300	9565	9647	9504	-36.9	-23.5	-48.1	-46.3	274	23.2	25.8
250	10804	10914	10724	-45.1	-30.9	-57.9		272	27.3	30.2
200	12268	12415	12157	-53.2	-37.9	-67.3		268	29.6	32.1
175	13120	13279	13004	-57.0	-42.5	-71.0		267	28.8	31.1
150	14086	14241	13950	-61.2	-46.5	-77.1		267	26.5	28.5
125	15202	15386	15059	-66.3	-50.7	-82.0		266	22.6	24.3
100	16537	16757	16377	-71.0	-56.7	-84.7		267	16.2	18.1
80	17856	18274	17676	-71.4	-55.7	-89.1		270	9.3	12.8
70	18653	19031	18424	-69.5	-57.1	-89.1		275	5.2	9.5
60	19578	19845	19347	-65.7	-50.5	-83.0		279	2.1	8.2
50	20706	20983	20441	-60.5	-41.3	-78.9		254	0.2	7.2
40	22130	22449	21783	-54.8	-33.3	-73.0		068	0.2	6.0
30	24003	24410	23642	-49.6	-31.9	-67.1				
25	25209	25688	24530	-47.1	-27.9	-66.5				
20										
15										
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FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
600	4390	4860	3890	207	12080	-56.9	096	16860	-73.0

NORMALS OF RADIOSONDE DATA

MONTH : MAY TIME : 1730 IST STATION : JODHPUR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	976	983	972	39.9	47.0	20.6	12.9	239	4.0	4.9
1000	10	31	0							
950	454	483	418	37.0	46.4	24.0	11.3	243	6.3	7.5
925	709	724	697	35.3	44.6	25.4	11.1	252	5.9	7.1
900	957	978	942	32.1	42.4	20.0	9.1	246	6.4	7.4
850	1465	1486	1450	27.3	41.6	12.4	6.9	247	6.3	7.3
800	1996	2023	1979	22.8	39.0	11.0	4.3	251	5.8	6.8
750	2547	2586	2516	18.1	33.0	7.0	0.5	259	5.1	6.4
700	3136	3173	3118	13.1	26.8	1.0	-3.2	267	4.6	6.4
650	3750	3797	3716	8.0	20.2	-1.7	-7.0	277	4.5	6.7
600	4406	4453	4367	2.9	17.4	-7.0	-11.3	288	5.2	7.6
550	5111	5160	5072	-1.9	10.8	-12.0	-16.4	294	6.5	8.7
500	5855	5906	5798	-6.8	6.0	-16.5	-21.5	293	8.3	10.3
450	6674	6729	6590	-12.1	0.2	-22.3	-27.0	292	10.1	12.4
400	7560	7614	7480	-18.3	-5.3	-31.7	-32.3	290	12.0	14.4
350	8548	8601	8432	-25.2	-10.9	-37.9	-38.6	286	13.9	16.3
300	9648	9715	9523	-32.6	-17.3	-47.7	-45.1	280	16.6	19.3
250	10909	11001	10758	-41.1	-24.5	-56.7		274	19.1	21.7
200	12396	12526	12217	-50.7	-34.1	-64.1		268	20.5	23.0
175	13256	13400	13067	-56.0	-39.3	-68.3		267	19.8	22.3
150	14219	14383	14029	-61.7	-45.3	-75.0		265	17.3	19.7
125	15331	15514	15138	-67.7	-51.9	-80.1		262	12.5	15.6
100	16650	16831	16419	-72.8	-59.5	-87.3		259	7.2	11.8
80	17962	18154	17757	-73.0	-57.3	-88.0		244	0.9	8.9
70	18752	18945	18510	-70.2	-50.3	-85.7		111	2.4	8.0
60	19678	19872	19429	-64.8	-45.5	-82.5		099	4.3	7.0
50	20821	21064	20503	-58.6	-41.5	-78.0		088	4.9	6.8
40	22233	22468	21855	-53.2	-33.3	-70.0		087	6.1	7.3
30	24103	24314	23663	-48.2	-33.1	-64.0		086	5.7	7.2
25	25305	25579	24684	-45.6	-28.7	-66.0				
20	26796	27058	26102	-43.2	-31.7	-55.1				
15										
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FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
570	4820	5220	4230				095	16970	-74.5

NORMALS OF RADIOSONDE DATA

MONTH : JUNE TIME : 1730 IST STATION : JODHPUR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	972	975	971	38.9	47.2	23.8	18.9	228	3.5	4.5
1000	38	56	18							
950	421	449	397	36.3	47.8	24.0	17.1	233	5.2	6.8
925	673	693	647	34.5	45.6	20.4	17.2	245	4.9	6.9
900	919	939	899	31.3	42.8	18.0	14.7	237	5.3	7.0
850	1427	1449	1406	26.8	38.4	17.0	12.7	239	5.0	6.9
800	1957	1984	1933	22.7	33.4	13.0	9.9	248	3.8	6.1
750	2515	2550	2481	19.0	30.0	9.2	5.4	271	2.0	5.4
700	3102	3145	3072	14.7	27.4	5.2	0.7	319	1.7	5.5
650	3721	3774	3693	9.9	21.8	-1.0	-4.1	341	2.5	6.1
600	4381	4440	4346	5.0	17.0	-5.0	-8.3	347	3.3	6.8
550	5094	5154	5039	0.2	11.6	-10.1	-12.4	342	3.6	7.1
500	5843	5917	5802	-3.9	6.0	-14.9	-16.3	330	3.9	7.6
450	6676	6756	6632	-7.6	3.6	-20.7	-20.6	318	4.2	8.2
400	7578	7677	7523	-12.3	-3.3	-25.5	-24.9	307	4.5	8.7
350	8590	8696	8531	-18.6	-9.9	-30.3	-30.8	295	4.6	9.2
300	9720	9844	9640	-26.4	-15.7	-39.0	-38.1	283	4.7	9.5
250	11014	11149	10911	-35.9	-26.5	-48.7	-46.7	271	4.5	9.9
200	12528	12688	12396	-47.7	-37.7	-59.1		258	3.6	9.9
175	13398	13572	13245	-54.4	-43.5	-66.9		255	2.6	10.0
150	14368	14564	14200	-61.7	-48.7	-75.5		221	0.7	9.7
125	15479	15682	15285	-69.3	-52.9	-84.0		099	3.0	10.2
100	16783	17052	16564	-75.6	-63.1	-89.0		089	7.3	10.9
80	18069	18348	17839	-75.6	-58.5	-88.0		094	10.3	11.8
70	18866	19157	18601	-71.4	-53.1	-84.1		096	11.5	12.4
60	19776	20094	19531	-65.2	-47.3	-83.0		092	11.3	12.1
50	20914	21213	20647	-58.8	-40.1	-72.0		091	12.1	12.6
40	22350	22667	21960	-53.2	-36.5	-79.0		093	13.1	13.6
30	24233	24538	23782	-47.8	-30.7	-64.0		090	12.6	13.1
25	25428	25813	24900	-45.5	-31.1	-60.0		089	13.0	13.5
20	26952	27353	26613	-42.6	-27.5	-54.1				
15										
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7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
544	5180	5890	4660				096	17080	-77.7

NORMALS OF RADIOSONDE DATA

MONTH : JULY TIME : 1730 IST STATION : JODHPUR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	972	973	971	34.2	42.8	23.0	22.4	225	3.2	4.1
1000	38	53	24							
950	414	436	385	32.1	41.4	20.0	20.9	223	5.2	6.6
925	659	683	644	29.8	38.8	19.6	20.2	233	5.0	6.7
900	907	921	889	27.7	38.6	16.0	18.4	229	5.1	6.8
850	1410	1426	1388	23.8	35.2	13.0	16.7	233	4.3	6.6
800	1936	1954	1911	20.2	31.6	11.0	14.2	238	2.5	5.9
750	2493	2518	2459	17.2	27.8	9.0	9.6	327	0.8	5.2
700	3075	3101	3043	14.0	26.4	6.2	4.8	008	2.4	5.6
650	3697	3728	3660	10.3	23.0	3.8	0.3	012	3.5	6.4
600	4357	4392	4321	6.2	18.6	-2.9	-4.2	014	3.8	6.6
550	5075	5113	5027	2.0	12.4	-6.0	-8.0	013	3.1	6.3
500	5828	5874	5789	-1.9	7.8	-11.0	-11.6	011	2.2	6.0
450	6668	6715	6622	-5.8	2.8	-15.3	-15.7	021	1.6	6.0
400	7575	7636	7526	-10.8	-1.1	-21.3	-20.5	048	1.7	6.0
350	8594	8668	8529	-17.0	-6.1	-26.7	-26.7	075	2.4	6.2
300	9732	9809	9647	-24.8	-14.3	-37.5	-34.0	091	3.3	6.5
250	11032	11128	10928	-34.7	-22.7	-48.7	-42.9	097	5.1	7.9
200	12552	12688	12439	-46.9	-33.3	-62.9		102	7.8	10.0
175	13425	13577	13262	-54.1	-38.1	-69.5		100	9.9	12.1
150	14394	14573	14210	-62.1	-47.5	-78.3		096	12.2	14.3
125	15502	15714	15306	-70.0	-51.9	-82.1		090	15.0	16.6
100	16802	17044	16601	-76.3	-60.7	-89.3		087	18.0	18.8
80	18091	18397	17834	-74.8	-57.3	-89.9		089	18.9	19.5
70	18883	19210	18602	-70.7	-48.9	-89.7		091	18.2	18.7
60	19808	20136	19495	-64.9	-47.1	-81.0		088	18.0	18.5
50	20944	21234	20580	-58.9	-40.1	-76.0		090	17.7	18.1
40	22371	22655	21922	-53.8	-37.9	-72.0		089	17.8	18.1
30	24264	24609	23773	-49.1	-31.5	-65.0		089	19.8	20.2
25	25445	25919	24875	-47.0	-27.9	-69.5		086	21.1	21.7
20	26928	27326	26334	-44.7	-24.5	-60.7				
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
524	5460	6150	4890				097	17000	-78.0

NORMALS OF RADIOSONDE DATA

MONTH : AUGUST TIME : 1730 IST STATION : JODHPUR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	974	976	972	32.6	41.4	24.0	23.0	224	2.6	3.5
1000	15	36	1							
950	430	459	391	30.4	39.8	23.0	21.4	222	4.6	6.2
925	680	697	652	28.9	38.4	20.6	19.9	237	5.0	6.8
900	924	941	901	26.3	37.8	17.0	18.9	229	4.2	6.2
850	1424	1445	1399	22.6	32.8	12.0	16.7	237	3.0	6.1
800	1948	1974	1921	19.4	30.0	10.0	13.4	259	1.3	5.4
750	2504	2533	2466	16.8	26.6	8.0	8.6	004	1.7	5.4
700	3085	3116	3052	13.6	26.0	5.0	4.2	014	3.3	6.0
650	3706	3738	3674	9.9	20.4	0.0	-0.3	018	3.9	6.5
600	4366	4403	4330	5.9	17.6	-1.3	-4.7	021	3.8	6.5
550	5082	5119	5033	1.9	12.8	-5.3	-8.4	017	3.0	6.2
500	5836	5883	5795	-1.7	7.6	-10.0	-11.9	020	2.2	6.0
450	6675	6724	6625	-5.9	3.0	-14.1	-16.1	037	1.7	5.9
400	7584	7641	7535	-11.0	-0.7	-18.0	-21.5	060	2.0	6.0
350	8600	8661	8542	-17.3	-7.5	-25.0	-27.9	077	2.8	6.0
300	9737	9810	9672	-25.2	-13.3	-33.0	-34.8	088	3.6	6.5
250	11037	11118	10955	-35.0	-24.1	-44.7	-43.9	098	4.8	7.5
200	12555	12671	12444	-47.4	-35.3	-59.0		103	7.6	9.9
175	13425	13561	13292	-54.7	-39.9	-70.0		102	9.1	11.2
150	14397	14556	14236	-62.5	-48.3	-78.0		097	11.1	13.1
125	15497	15675	15315	-70.6	-55.1	-80.9		091	13.5	15.0
100	16799	16999	16621	-76.2	-62.3	-86.3		091	15.8	16.7
80	18093	18327	17937	-73.9	-57.5	-84.5		092	17.1	17.7
70	18894	19147	18701	-69.3	-53.5	-86.0		092	16.4	17.0
60	19819	20071	19610	-63.9	-47.1	-78.0		091	16.1	16.6
50	20948	21209	20674	-59.3	-40.9	-74.0		090	17.0	17.3
40	22379	22643	22046	-54.4	-39.9	-63.0		092	17.4	17.7
30	24261	24540	23963	-49.7	-33.5	-62.0		090	18.8	19.1
25	25452	25805	25109	-47.8	-36.1	-60.0		088	19.5	20.1
20	26975	27362	26632	-45.3	-34.9	-54.5				
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
525	5460	5980	4910				100	16830	-77.7

NORMALS OF RADIOSONDE DATA

MONTH : SEPTEMBER TIME : 1730 IST STATION : JODHPUR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	978	980	971	33.9	42.0	23.0	19.6	234	1.8	3.0
1000	22	40	2							
950	464	496	436	31.2	42.0	20.8	17.2	237	3.0	5.2
925	707	735	671	29.3	36.8	19.0	16.3	245	2.6	4.9
900	964	983	941	26.9	35.8	17.0	14.3	245	2.8	5.1
850	1465	1485	1440	22.7	33.4	13.0	12.3	257	2.3	5.0
800	1988	2010	1961	19.0	30.4	11.0	8.6	284	1.6	4.7
750	2534	2565	2507	15.2	27.0	6.8	4.3	333	1.6	4.8
700	3118	3146	3090	11.1	24.8	2.6	-0.5	351	2.1	5.1
650	3729	3768	3696	7.1	19.6	-1.3	-5.2	359	2.5	5.5
600	4385	4424	4358	3.2	13.0	-6.5	-9.0	352	2.4	5.7
550	5097	5141	5044	-0.2	8.6	-11.3	-12.3	323	2.4	5.8
500	5843	5885	5805	-3.6	5.4	-15.5	-15.7	297	3.0	6.4
450	6676	6724	6628	-7.8	2.2	-18.5	-20.2	280	3.7	7.0
400	7577	7626	7530	-13.2	-3.1	-22.5	-25.7	269	4.6	7.5
350	8587	8636	8515	-19.9	-9.7	-29.1	-31.5	261	5.1	7.9
300	9710	9771	9630	-28.0	-16.1	-37.5	-39.3	253	5.9	8.5
250	10993	11079	10894	-37.9	-22.9	-48.1	-47.7	245	6.4	9.5
200	12493	12612	12364	-50.0	-38.1	-60.7		236	5.9	9.9
175	13354	13489	13209	-56.9	-45.3	-68.9		227	4.9	9.7
150	14316	14457	14146	-64.2	-49.9	-78.5		207	3.5	9.1
125	15410	15586	15194	-71.4	-56.1	-86.0		149	2.7	8.7
100	16714	16911	16480	-75.5	-60.9	-84.9		103	5.2	8.9
80	18016	18229	17754	-72.1	-55.9	-83.7		100	7.5	9.1
70	18823	19066	18539	-67.3	-50.5	-78.9		097	8.3	9.4
60	19752	19997	19456	-62.2	-47.7	-73.1		092	8.7	9.4
50	20889	21122	20607	-57.6	-40.5	-69.5		095	9.6	10.1
40	22328	22566	22059	-53.7	-34.9	-64.1		091	11.1	11.6
30	24200	24460	23899	-49.6	-35.5	-61.9		092	12.0	12.4
25	25388	25644	25071	-47.6	-33.1	-59.1		090	12.7	13.1
20	26895	27178	26301	-45.3	-33.5	-57.7				
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
555	5030	5730	4350				103	16580	-76.6

NORMALS OF RADIOSONDE DATA

MONTH : OCTOBER TIME : 1730 IST STATION : JODHPUR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	983	986	980	34.2	40.0	19.0	12.1	284	0.5	1.9
1000	67	97	50							
950	508	552	478	30.7	41.4	18.4	8.2	290	1.2	3.9
925	751	785	721	28.7	37.4	18.2	7.1	336	1.1	4.0
900	1006	1028	984	26.1	36.2	13.0	5.5	303	1.2	3.8
850	1505	1521	1479	21.6	31.0	11.0	3.1	311	1.6	3.9
800	2025	2041	2000	16.9	27.6	7.8	0.7	318	1.6	4.0
750	2565	2597	2527	12.2	22.0	4.0	-1.9	320	2.0	4.4
700	3143	3161	3119	7.9	18.0	-5.0	-5.6	317	2.3	4.8
650	3749	3769	3718	4.1	14.8	-5.0	-9.9	310	3.1	5.6
600	4395	4416	4362	0.7	10.6	-10.0	-14.0	299	4.6	6.8
550	5097	5145	5068	-3.0	5.8	-15.0	-18.3	291	6.3	8.4
500	5838	5868	5803	-7.3	2.2	-17.0	-22.3	285	8.2	10.3
450	6656	6709	6605	-12.3	-1.7	-22.1	-27.2	280	10.6	12.8
400	7543	7586	7473	-18.2	-4.3	-30.0	-31.9	276	13.4	15.5
350	8530	8592	8457	-25.0	-9.7	-37.0	-37.9	272	16.4	18.5
300	9632	9702	9515	-32.6	-17.3	-45.9	-44.5	268	19.3	21.4
250	10892	10980	10750	-41.6	-25.3	-56.5		263	22.1	24.3
200	12371	12482	12198	-52.3	-35.5	-67.3		260	24.0	25.8
175	13223	13342	13033	-58.4	-42.5	-70.7		259	22.8	24.8
150	14178	14316	13993	-64.5	-48.1	-78.3		260	20.5	22.1
125	15275	15443	15090	-70.4	-55.1	-86.9		259	16.1	17.8
100	16586	16968	16373	-74.1	-61.9	-89.1		258	10.0	12.5
80	17890	18219	17645	-71.2	-58.7	-86.0		255	3.7	8.5
70	18698	18964	18422	-67.4	-54.7	-80.0		268	1.4	7.2
60	19633	19918	19342	-63.0	-51.1	-81.0		103	1.5	7.0
50	20772	21104	20373	-58.6	-41.9	-74.7		102	2.4	6.9
40	22197	22523	21757	-54.7	-38.3	-72.3		089	3.2	6.3
30	24084	24412	23475	-51.0	-34.1	-72.0		094	3.1	6.7
25	25273	25670	24695	-49.1	-34.1	-69.5				
20										
15										
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FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
591	4530	5020	3970				104	16420	-75.1

NORMALS OF RADIOSONDE DATA

MONTH : NOVEMBER TIME : 1730 IST STATION : JODHPUR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	987	989	985	29.5	36.0	18.0	8.3	021	0.6	1.5
1000	104	121	87							
950	539	567	510	25.6	36.0	16.2	4.0	007	1.3	3.4
925	785	801	753	23.4	31.0	13.2	2.3	018	1.7	3.5
900	1028	1043	1010	21.1	30.8	8.0	1.5	004	1.3	3.4
850	1517	1534	1501	16.7	26.8	7.8	-0.5	357	1.2	3.5
800	2029	2049	2012	12.6	22.8	3.8	-2.9	335	1.3	3.9
750	2564	2590	2542	9.0	18.8	-5.3	-6.2	308	1.7	4.7
700	3134	3161	3112	5.8	14.4	-5.0	-9.9	292	3.5	5.8
650	3738	3772	3711	2.7	12.0	-10.7	-13.1	286	5.7	7.6
600	4381	4409	4354	-0.8	9.8	-15.7	-16.6	282	8.1	9.9
550	5077	5125	5046	-5.0	6.8	-19.7	-20.9	281	10.5	12.3
500	5812	5846	5780	-9.8	0.6	-24.5	-24.3	279	13.0	14.9
450	6619	6673	6579	-15.4	1.2	-29.7	-29.0	276	16.2	18.2
400	7496	7545	7456	-21.7	-9.7	-37.3	-34.1	274	19.6	21.7
350	8471	8538	8416	-28.6	-17.5	-44.9	-40.7	273	23.7	26.0
300	9555	9636	9498	-36.2	-23.9	-56.9	-46.8	271	28.2	30.6
250	10798	10901	10723	-44.8	-30.1	-64.5		268	32.2	34.9
200	12258	12396	12154	-54.4	-38.1	-73.5		264	35.7	38.2
175	13101	13251	12980	-59.6	-44.1	-79.1		263	34.4	36.8
150	14054	14218	13900	-64.6	-47.9	-82.5		265	31.5	33.4
125	15149	15336	14965	-69.5	-54.1	-83.9		266	26.9	28.7
100	16465	16675	16230	-73.4	-61.7	-89.7		270	19.7	21.4
80	17773	17988	17560	-72.8	-58.1	-85.5		270	11.3	13.2
70	18566	18813	18323	-70.3	-56.1	-87.5		273	7.6	10.5
60	19480	19755	19249	-66.7	-52.1	-81.7		279	5.0	8.0
50	20592	20939	20319	-62.3	-46.3	-79.7		291	2.0	6.4
40	21983	22352	21571	-57.8	-46.1	-81.7		280	1.2	6.3
30	23827	24274	23362	-53.6	-39.7	-68.9		267	1.3	6.2
25	24999	25471	24428	-51.8	-41.7	-66.7				
20										
15										
10										
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FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
613	4220	4770	3870				102	16400	-74.5

NORMALS OF RADIOSONDE DATA

MONTH : DECEMBER TIME : 1730 IST STATION : JODHPUR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	989	991	987	25.0	31.4	6.0	5.4	027	1.0	1.7
1000	125	169	104							
950	553	619	493	21.2	28.8	11.2	1.7	013	1.5	3.6
925	797	807	771	19.6	27.2	11.8	0.2	026	1.4	3.3
900	1035	1089	1000	16.9	27.2	7.2	-0.6	018	1.4	3.6
850	1518	1580	1475	13.1	23.8	2.2	-3.2	342	1.1	3.8
800	2023	2096	1972	10.1	25.2	-0.5	-6.0	290	2.2	4.6
750	2558	2637	2502	7.3	20.0	-5.0	-8.5	279	4.4	6.4
700	3121	3207	3053	4.3	16.4	-6.7	-11.5	276	6.9	8.6
650	3721	3808	3647	1.0	14.2	-8.9	-14.7	276	9.3	10.9
600	4359	4447	4292	-2.7	9.0	-14.3	-17.5	274	12.1	13.7
550	5050	5134	4980	-7.1	4.8	-17.5	-21.5	274	14.8	16.3
500	5780	5870	5703	-12.0	0.4	-25.0	-25.5	273	17.9	19.5
450	6580	6672	6503	-17.4	-5.5	-27.5	-29.8	273	21.2	22.8
400	7450	7552	7367	-23.7	-10.1	-34.9	-35.1	272	25.0	26.7
350	8418	8539	8317	-30.6	-18.7	-43.5	-41.1	271	29.3	31.2
300	9492	9630	9360	-38.4	-27.1	-52.3	-46.4	271	33.8	36.1
250	10724	10887	10555	-46.8	-37.3	-62.9		269	38.4	41.0
200	12173	12359	11977	-55.8	-45.0	-70.1		267	41.2	43.7
175	13018	13207	12800	-60.0	-49.3	-73.1		267	40.5	42.7
150	13972	14173	13737	-63.7	-52.0	-75.9		268	38.7	40.5
125	15075	15305	14830	-67.7	-56.5	-83.1		268	34.2	35.7
100	16404	16664	16110	-71.6	-58.5	-89.5		271	29.4	30.5
80	17719	18065	17310	-72.1	-55.9	-89.3		272	19.9	21.3
70	18514	18921	18021	-70.4	-53.5	-84.7		274	15.1	16.8
60	19430	19911	18882	-67.1	-52.7	-82.3		272	11.9	13.9
50	20631	21088	20351	-63.2	-50.7	-78.5		276	9.3	11.8
40	21926	22238	21009	-59.1	-43.9	-78.5		274	6.8	10.7
30	23767	24176	23538	-55.4	-45.5	-68.0				
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
639	3870	4750	3230	188	12630	-61.7	099	16610	-73.2

NORMALS OF RADIOSONDE DATA

MONTH : JANUARY TIME : 1730 IST STATION : KARAIKAL

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1011	1013	1009	26.7	30.0	20.6	21.6	045	4.9	5.2
1000	99	117	85	25.9	30.6	22.2	20.7	041	5.8	6.2
950	523	557	497	22.1	33.4	15.2	16.4	043	7.0	7.4
925	779	792	765	20.7	28.0	13.8	14.4	044	7.0	7.4
900	1016	1035	1001	19.2	32.8	12.0	11.4	047	6.7	7.3
850	1506	1525	1490	16.8	28.8	9.8	6.3	051	5.8	6.7
800	2021	2041	2004	14.7	25.0	7.6	1.8	055	4.8	6.3
750	2561	2587	2532	12.8	23.0	5.8	-1.9	059	3.6	5.8
700	3141	3163	3123	10.5	25.8	3.2	-6.3	064	2.9	5.5
650	3754	3781	3726	7.4	22.6	1.4	-8.8	068	2.2	5.3
600	4407	4433	4384	3.8	18.0	-1.7	-11.1	065	2.0	5.5
550	5118	5149	5081	-0.3	15.2	-6.1	-15.1	064	1.9	5.9
500	5864	5903	5830	-4.8	8.6	-11.3	-18.5	054	1.7	6.5
450	6685	6731	6643	-9.6	3.6	-18.7		042	1.4	7.4
400	7585	7630	7543	-15.3	-2.5	-22.9		317	0.7	8.0
350	8578	8633	8529	-22.3	-8.3	-30.5		261	2.2	8.7
300	9695	9754	9646	-30.6	-18.5	-40.1		241	4.2	9.6
250	10964	11032	10907	-40.9	-27.3	-52.7		221	6.3	11.1
200	12441	12525	12374	-53.3	-40.1	-63.9		212	7.1	12.7
175	13287	13390	13208	-60.3	-48.1	-73.1		215	6.7	13.1
150	14232	14346	14143	-67.4	-54.7	-78.3		214	5.3	11.8
125	15308	15441	15205	-74.1	-61.5	-86.1		210	3.4	10.2
100	16592	16783	16487	-78.9	-66.7	-89.9		147	2.4	8.5
80	17869	18014	17753	-77.0	-64.3	-86.9		114	1.8	6.2
70	18643	18828	18526	-73.6	-62.3	-85.3		192	1.0	6.1
60	19555	19730	19429	-69.0	-57.3	-82.1		234	1.3	7.3
50	20653	20835	20542	-64.4	-53.1	-78.7		120	0.9	9.1
40	22025	22220	21902	-60.5	-49.5	-73.7		091	4.3	10.3
30	23835	24082	23715	-55.9	-42.3	-69.5		091	5.8	11.6
25	24980	25250	24785	-53.9	-44.1	-67.7		086	4.9	12.2
20	26425	26925	26265	-51.8	-41.1	-64.7		088	3.5	13.4
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
554	5050	5430	4620				098	16740	-80.8

NORMALS OF RADIOSONDE DATA

MONTH : FEBRUARY TIME : 1730 IST STATION : KARAIKAL

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1010	1011	1008	27.9	32.0	23.2	21.7	072	3.4	4.4
1000	90	104	70	27.2	31.6	22.2	21.4	070	4.0	5.2
950	519	549	492	23.4	31.0	18.4	16.1	070	4.5	5.8
925	772	787	756	22.2	29.8	16.6	13.9	061	4.5	5.6
900	1012	1028	994	21.2	29.0	12.4	9.3	061	4.4	5.8
850	1505	1524	1487	18.9	26.4	12.2	3.7	053	4.9	6.4
800	2023	2044	2005	16.0	24.6	9.4	1.2	046	4.8	6.4
750	2562	2594	2538	13.4	21.2	6.0	-2.2	042	4.0	6.1
700	3145	3170	3127	10.6	21.8	2.0	-6.6	043	2.5	5.6
650	3754	3789	3720	7.4	15.4	-3.3	-8.1	038	1.6	5.6
600	4412	4442	4391	3.9	11.6	-2.9	-11.9	040	1.4	5.7
550	5121	5167	5092	-0.1	8.2	-7.1	-14.9	024	1.7	6.0
500	5870	5909	5840	-4.6	2.8	-11.5		014	1.6	6.4
450	6691	6756	6646	-9.6	-1.5	-15.9		002	1.3	7.1
400	7591	7649	7550	-15.1	-7.7	-21.7		324	2.1	8.6
350	8586	8651	8537	-21.8	-14.1	-29.3		290	3.2	9.5
300	9706	9798	9650	-30.1	-19.5	-39.3		261	4.0	10.2
250	10977	11099	10916	-40.4	-29.7	-50.5		235	5.5	10.6
200	12457	12616	12381	-52.6	-39.3	-64.7		223	5.8	11.6
175	13305	13490	13221	-59.6	-49.7	-70.5		220	4.9	11.9
150	14250	14473	14156	-66.8	-56.1	-77.7		208	4.0	11.2
125	15332	15595	15229	-73.5	-62.7	-90.9		188	2.4	10.5
100	16621	16908	16507	-78.1	-67.7	-91.3		122	1.0	8.4
80	17898	18231	17772	-76.9	-64.9	-91.5		279	0.5	6.5
70	18673	19020	18539	-73.7	-59.3	-89.5		261	2.2	6.7
60	19579	19930	19414	-69.3	-55.1	-83.1		259	4.1	8.1
50	20681	21053	20486	-64.5	-50.7	-76.7		257	2.9	9.1
40	22062	22459	21826	-60.1	-46.3	-77.7		124	0.7	10.1
30	23868	24270	23605	-56.0	-43.3	-77.5		092	3.7	11.2
25	25023	25502	24755	-53.6	-42.7	-71.7		096	4.8	12.8
20	26477	26977	26188	-51.0	-40.1	-59.3		097	6.1	14.2
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
551	5110	5560	4640				099	16710	-80.0

NORMALS OF RADIOSONDE DATA

MONTH : MARCH TIME : 1730 IST STATION : KARAIKAL

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1008	1009	1005	29.3	34.2	24.2	23.7	110	3.4	4.5
1000	74	87	50	28.8	34.6	23.8	22.8	109	3.8	5.1
950	507	537	480	25.6	36.0	17.4	16.8	110	3.4	5.2
925	762	775	739	24.8	34.2	15.4	13.5	095	2.8	4.7
900	1003	1017	978	23.6	32.6	13.2	9.3	088	2.5	4.7
850	1500	1515	1475	21.1	30.8	13.2	3.6	068	4.0	5.6
800	2021	2037	1995	18.0	28.4	10.6	-0.4	059	5.7	7.0
750	2562	2587	2530	14.5	24.8	8.0	-3.2	052	6.2	7.5
700	3148	3174	3121	11.0	20.6	3.8	-6.3	049	5.7	7.1
650	3755	3788	3713	7.6	17.2	0.6	-9.8	054	4.2	6.3
600	4416	4455	4387	4.1	14.0	-1.5	-13.0	060	3.0	6.0
550	5127	5186	5084	0.2	10.2	-6.1	-15.7	056	2.6	6.0
500	5874	5930	5837	-4.2	6.8	-11.1	-19.3	046	2.3	6.2
450	6698	6778	6643	-9.2	0.6	-16.7		028	1.9	6.9
400	7598	7679	7547	-14.9	-5.9	-22.1		344	1.8	8.1
350	8594	8688	8532	-21.6	-11.3	-30.5		282	2.4	9.1
300	9715	9837	9653	-29.7	-19.7	-37.1		253	4.4	10.4
250	10989	11138	10917	-39.7	-28.9	-47.5		238	6.2	11.6
200	12475	12655	12389	-52.0	-43.1	-68.3		232	7.0	12.9
175	13323	13511	13226	-58.8	-49.1	-71.7		229	6.3	13.0
150	14272	14491	14163	-65.9	-53.9	-75.5		233	4.9	12.6
125	15359	15621	15231	-72.6	-55.1	-83.1		231	2.4	10.8
100	16644	16965	16491	-78.4	-65.9	-86.9		126	1.1	8.6
80	17921	18232	17756	-76.7	-63.9	-86.1		112	1.5	6.9
70	18700	18967	18543	-72.8	-56.9	-85.9		193	0.5	6.3
60	19611	19954	19439	-68.6	-52.7	-85.9		253	2.1	7.2
50	20714	20935	20539	-64.0	-48.5	-78.5		256	2.1	8.1
40	22094	22365	21916	-59.7	-44.9	-73.1		090	1.4	9.2
30	23903	24256	23676	-55.1	-42.7	-68.7		091	5.6	11.7
25	25073	25430	24776	-52.8	-41.5	-65.7		093	7.2	13.7
20	26513	26957	26201	-50.4	-36.9	-63.5		095	9.7	15.9
15	28356	28948	28049	-48.2	-38.3	-59.9				
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
548	5140	5750	4750				097	16850	-80.1

NORMALS OF RADIOSONDE DATA

MONTH : APRIL TIME : 1730 IST STATION : KARAIKAL

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1005	1007	1003	31.0	43.2	23.0	24.8	140	4.5	5.6
1000	53	70	28	30.6	37.4	23.0	24.9	141	4.8	6.0
950	491	521	466	27.7	36.4	21.4	18.9	151	4.3	6.1
925	748	763	724	26.2	32.0	20.4	18.0	163	2.3	4.9
900	988	1005	964	25.2	34.6	18.8	14.3	173	1.4	4.2
850	1487	1503	1465	22.3	31.2	15.8	8.8	045	1.1	4.0
800	2012	2026	1991	19.2	26.0	13.2	3.1	054	3.7	5.3
750	2554	2578	2530	15.6	22.8	7.0	-1.2	053	5.9	7.0
700	3143	3161	3120	11.7	20.8	4.8	-4.4	049	6.8	7.8
650	3751	3779	3716	7.7	18.4	1.4	-7.1	048	6.3	7.4
600	4412	4435	4385	3.9	15.0	-2.9	-10.6	053	4.5	6.2
550	5124	5166	5083	0.1	11.2	-7.5	-13.9	059	3.0	5.8
500	5871	5913	5834	-4.2	5.2	-12.5	-17.5	062	2.3	6.0
450	6697	6764	6648	-8.9	0.6	-16.7	-22.0	047	1.6	6.5
400	7597	7659	7546	-14.5	-4.9	-22.1	-26.9	015	0.8	7.3
350	8595	8666	8538	-21.3	-11.3	-29.5	-32.9	274	1.2	8.2
300	9717	9813	9647	-29.4	-18.7	-39.9	-40.4	246	3.5	8.8
250	10993	11123	10910	-39.4	-28.9	-50.9		228	5.6	10.1
200	12479	12647	12386	-51.7	-40.3	-62.1		213	6.7	11.9
175	13330	13523	13230	-58.6	-46.3	-69.1		211	6.4	12.3
150	14281	14489	14170	-65.9	-52.9	-77.7		211	5.2	11.4
125	15364	15598	15239	-73.1	-59.5	-84.1		193	2.5	9.6
100	16644	16898	16508	-79.0	-67.9	-89.3		111	3.1	8.2
80	17915	18201	17768	-77.6	-65.5	-89.9		086	3.0	7.2
70	18690	19004	18535	-73.6	-56.3	-87.1		085	1.8	6.9
60	19599	20001	19444	-68.7	-54.5	-83.7		093	0.8	7.1
50	20702	21129	20572	-63.4	-48.9	-77.1		094	1.8	7.9
40	22092	22556	21931	-58.6	-44.7	-71.3		095	4.9	9.7
30	23925	24477	23739	-53.5	-35.5	-64.7		090	9.7	13.6
25	25091	25767	24831	-51.3	-34.1	-64.9		092	11.8	15.2
20	26521	26895	26323	-49.2	-35.5	-61.1		091	13.3	16.5
15										
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FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
549	5130	5780	4710				096	16890	-80.9

NORMALS OF RADIOSONDE DATA

MONTH : MAY TIME : 1730 IST STATION : KARAIKAL

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1003	1005	1001	32.4	40.0	24.0	26.4	177	5.1	6.5
1000	33	54	19	32.1	39.8	23.4	25.9	175	5.5	6.8
950	471	499	437	29.3	37.4	19.0	20.2	194	5.8	7.6
925	732	745	720	27.6	36.2	16.6	19.4	221	4.5	6.4
900	973	987	960	26.5	34.2	17.6	16.9	242	3.8	5.7
850	1474	1491	1460	23.3	30.4	14.4	12.9	288	3.3	5.4
800	2000	2018	1982	19.9	27.4	12.0	8.1	335	2.9	5.6
750	2543	2569	2513	16.3	23.6	8.6	3.3	016	3.3	6.1
700	3135	3155	3112	12.2	19.4	4.4	-0.6	032	4.0	6.7
650	3745	3771	3718	7.9	17.2	1.8	-4.2	034	4.3	7.2
600	4407	4427	4382	3.8	13.6	-5.7	-8.1	032	3.8	7.1
550	5119	5157	5084	0.0	9.4	-6.1	-12.1	022	2.4	6.4
500	5867	5903	5838	-3.8	4.8	-10.9	-16.3	359	1.7	6.2
450	6696	6753	6659	-8.1	0.2	-15.7	-20.2	349	1.3	6.1
400	7598	7661	7553	-13.5	-5.1	-21.5	-25.5	346	1.0	5.8
350	8598	8667	8547	-20.1	-9.1	-30.1	-31.5	328	0.4	5.6
300	9726	9831	9672	-28.2	-16.9	-39.9	-38.3	171	0.9	5.9
250	11008	11137	10953	-38.4	-27.3	-50.5		140	2.3	7.0
200	12502	12668	12427	-50.8	-38.9	-62.1		120	5.4	9.7
175	13354	13534	13272	-58.1	-47.1	-67.7		115	7.3	11.6
150	14305	14508	14210	-65.9	-54.3	-76.1		107	9.2	13.1
125	15390	15618	15301	-73.4	-62.5	-85.7		101	10.9	13.6
100	16672	16922	16569	-79.3	-69.5	-90.7		096	12.0	13.6
80	17943	18219	17810	-76.8	-60.1	-88.1		091	9.5	10.6
70	18723	19023	18579	-72.6	-57.7	-85.5		088	7.3	8.7
60	19638	19943	19451	-67.4	-55.1	-81.9		092	6.2	8.2
50	20749	21092	20564	-62.5	-49.1	-78.1		088	7.6	9.5
40	22133	22526	21989	-58.0	-43.5	-68.5		091	9.9	11.8
30	23947	24373	23831	-53.1	-40.1	-63.7		090	12.5	14.9
25	25125	25467	24866	-50.5	-37.1	-61.5		089	14.8	16.5
20	26585	26969	26206	-47.8	-33.7	-60.3		089	17.1	18.6
15										
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FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
549	5120	5930	4760				098	16840	-81.2

NORMALS OF RADIOSONDE DATA

MONTH : JUNE TIME : 1730 IST STATION : KARAIKAL

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1002	1004	1001	32.9	39.6	24.4	24.6	211	5.4	7.0
1000	25	40	16	32.5	39.6	25.0	24.6	209	5.7	7.2
950	463	495	436	29.2	41.0	21.6	19.2	225	8.2	9.7
925	723	741	715	27.4	35.2	21.8	18.8	240	7.9	8.8
900	965	983	956	25.8	37.0	17.8	16.9	251	8.4	9.1
850	1466	1485	1457	22.3	33.2	16.2	14.4	268	9.2	9.8
800	1990	2010	1979	18.5	27.4	12.2	11.3	276	9.5	10.4
750	2532	2558	2506	15.0	23.8	6.6	7.5	280	9.1	10.4
700	3121	3141	3106	11.6	19.8	3.4	3.3	282	7.9	9.8
650	3731	3758	3701	8.0	15.6	0.4	-0.5	278	6.4	8.8
600	4393	4422	4374	4.3	12.4	-3.3	-4.3	274	5.4	8.0
550	5107	5152	5067	0.4	9.0	-5.3	-8.5	275	4.9	7.5
500	5856	5903	5825	-3.7	5.0	-10.1	-13.1	272	4.3	6.9
450	6685	6754	6647	-8.1	0.8	-17.7	-18.0	268	3.1	6.1
400	7588	7661	7539	-13.5	-4.1	-20.9	-23.8	266	1.3	5.4
350	8590	8679	8540	-20.1	-9.9	-29.7	-30.3	074	1.0	5.7
300	9718	9830	9652	-28.2	-16.9	-39.5	-37.6	088	4.3	7.1
250	10999	11138	10920	-38.2	-25.9	-49.1	-46.5	088	10.5	12.0
200	12494	12675	12399	-50.7	-40.5	-62.1		084	18.1	19.1
175	13350	13553	13247	-57.8	-47.3	-71.1		083	22.3	23.2
150	14303	14536	14193	-65.6	-54.1	-79.9		084	26.0	26.8
125	15386	15681	15271	-73.3	-60.7	-87.1		086	29.1	29.9
100	16668	16974	16502	-77.9	-66.1	-90.3		089	25.3	25.9
80	17954	18306	17672	-74.2	-54.7	-88.3		086	17.6	18.2
70	18743	19097	18458	-70.2	-52.3	-81.5		084	14.6	15.2
60	19666	20065	19370	-66.4	-49.5	-78.3		086	13.6	14.1
50	20779	21221	20485	-62.4	-47.1	-72.9		090	13.4	14.2
40	22177	22667	21963	-57.6	-40.7	-71.9		093	14.8	15.6
30	24000	24514	23783	-53.0	-38.7	-64.1		088	16.8	17.6
25	25159	25743	24934	-51.3	-38.1	-62.3		088	18.3	19.1
20	26610	27397	26464	-48.8	-37.7	-57.7		089	20.9	21.6
15										
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FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
544	5190	5960	4740				101	16640	-79.4

NORMALS OF RADIOSONDE DATA

MONTH : JULY TIME : 1730 IST STATION : KARAIKAL

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1003	1004	1002	32.1	37.4	23.6	24.5	213	4.0	6.2
1000	31	40	23	31.8	37.2	23.4	24.2	213	4.4	6.7
950	470	491	449	28.7	36.6	22.0	18.8	233	6.9	8.6
925	721	729	695	27.0	33.4	20.6	18.1	247	7.6	8.5
900	969	981	961	25.2	33.0	18.8	16.5	255	7.8	8.6
850	1469	1484	1460	21.5	29.8	10.6	14.3	268	9.0	9.5
800	1992	2010	1982	17.7	27.8	12.4	11.8	274	9.8	10.3
750	2533	2554	2494	14.2	23.8	8.4	8.4	280	9.9	10.5
700	3121	3147	3101	11.1	19.8	4.2	4.3	281	9.0	9.7
650	3730	3760	3702	7.6	16.2	1.2	0.2	280	7.7	8.7
600	4391	4428	4358	4.0	12.4	-3.5	-3.7	275	6.7	7.9
550	5106	5157	5048	0.3	8.8	-5.7	-7.7	272	5.4	7.1
500	5854	5903	5804	-3.7	5.4	-9.7	-12.8	267	4.3	6.7
450	6683	6749	6627	-8.4	-1.1	-15.5	-18.0	260	2.5	6.2
400	7585	7655	7516	-13.9	-4.3	-20.9	-23.9	163	0.8	5.9
350	8584	8651	8520	-20.7	-13.1	-29.5	-29.9	102	3.3	6.7
300	9709	9804	9615	-28.7	-20.7	-37.9	-37.2	094	7.5	9.3
250	10988	11101	10877	-38.7	-28.9	-48.5	-46.2	088	14.5	15.5
200	12482	12625	12350	-50.9	-37.7	-62.1		082	23.0	23.6
175	13336	13493	13205	-58.0	-46.7	-68.1		081	27.1	27.6
150	14287	14470	14128	-65.7	-53.5	-77.1		081	32.3	32.8
125	15372	15578	15213	-73.2	-59.1	-85.1		084	35.8	36.3
100	16659	16894	16489	-76.2	-62.1	-90.7		088	29.4	29.9
80	17965	18232	17818	-70.7	-56.1	-86.5		087	20.6	21.0
70	18766	19058	18622	-67.6	-53.1	-80.7		087	18.2	18.6
60	19696	20012	19565	-64.6	-50.3	-76.1		088	17.2	17.5
50	20816	21189	20606	-61.4	-47.3	-73.1		090	17.3	17.6
40	22208	22627	22085	-57.8	-43.1	-67.9		090	18.4	18.7
30	24032	24506	23879	-53.5	-36.9	-66.3		091	20.3	20.7
25	25193	25652	25048	-51.6	-38.1	-64.7		089	21.5	22.0
20	26653	27264	26485	-49.7	-33.5	-61.7		088	23.4	23.9
15										
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FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
547	5150	5700	4560				107	16310	-78.1

NORMALS OF RADIOSONDE DATA

MONTH : AUGUST TIME : 1730 IST STATION : KARAIKAL

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1003	1004	1003	31.6	36.8	24.0	24.9	205	3.7	5.6
1000	36	46	31	31.3	36.2	24.4	24.5	206	4.0	6.0
950	472	505	443	28.1	37.6	22.2	19.6	230	6.1	7.6
925	730	742	708	26.2	34.4	20.2	18.8	240	6.4	7.2
900	973	985	965	24.7	32.2	18.6	17.0	254	7.3	7.9
850	1472	1488	1461	21.1	27.8	15.4	14.6	267	8.5	9.0
800	1994	2012	1981	17.5	24.4	11.8	12.0	275	9.3	9.9
750	2534	2562	2504	14.0	22.2	8.2	8.6	280	9.3	10.0
700	3122	3146	3102	10.9	18.8	5.6	4.4	281	8.6	9.5
650	3732	3764	3699	7.5	13.4	2.0	0.0	279	7.5	8.5
600	4393	4423	4363	3.9	12.4	-2.3	-3.7	274	6.4	7.7
550	5107	5140	5051	0.2	8.2	-6.1	-7.9	271	5.3	7.0
500	5855	5890	5813	-3.8	4.2	-10.5	-12.9	269	3.6	6.1
450	6684	6732	6628	-8.4	0.8	-16.1	-18.2	260	2.0	5.8
400	7585	7632	7528	-14.0	-4.9	-22.3	-23.9	153	0.7	5.7
350	8583	8639	8514	-20.8	-10.3	-28.1	-30.5	103	3.3	6.5
300	9709	9782	9630	-29.1	-20.1	-38.1	-38.0	097	7.9	9.4
250	10986	11078	10897	-39.2	-28.3	-48.3	-46.6	090	15.1	15.8
200	12476	12596	12371	-51.4	-41.1	-62.5		084	23.5	24.1
175	13327	13468	13213	-58.5	-48.3	-70.3		082	27.5	28.1
150	14276	14427	14149	-66.3	-56.1	-79.5		083	31.4	32.0
125	15360	15544	15220	-73.6	-59.5	-84.1		085	33.5	34.0
100	16652	16865	16508	-75.9	-66.1	-85.3		089	27.0	27.4
80	17957	18217	17822	-69.9	-56.7	-81.5		089	18.1	18.5
70	18761	19034	18620	-67.0	-55.9	-77.9		088	16.7	17.1
60	19699	19988	19557	-64.4	-51.7	-74.1		089	16.9	17.4
50	20815	21132	20680	-61.1	-49.1	-72.3		089	17.6	17.9
40	22210	22561	22060	-57.8	-45.7	-66.5		091	19.3	19.6
30	24028	24412	23883	-54.2	-41.1	-64.5		091	20.4	20.7
25	25175	25645	25023	-52.7	-42.1	-62.5		093	21.9	22.2
20	26624	27121	26441	-50.7	-40.1	-61.1				
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
547	5150	5570	4630				107	16280	-78.1

NORMALS OF RADIOSONDE DATA

MONTH : SEPTEMBER TIME : 1730 IST STATION : KARAIKAL

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1004	1006	1003	30.6	36.2	23.8	25.4	179	3.4	4.8
1000	44	59	32	30.2	35.8	22.4	25.0	181	3.5	5.1
950	479	510	410	27.3	36.0	19.0	20.1	212	4.3	5.9
925	735	750	723	25.5	34.4	21.2	19.2	232	4.2	5.4
900	978	993	963	24.1	33.0	18.0	17.1	253	4.3	5.7
850	1476	1491	1460	20.8	29.6	13.8	13.7	273	5.0	6.4
800	1998	2016	1980	17.5	25.0	10.6	10.3	279	5.2	6.8
750	2541	2568	2480	14.2	20.6	2.4	6.7	282	4.8	6.6
700	3127	3152	3104	10.9	19.0	4.0	2.7	281	4.5	6.5
650	3737	3773	3690	7.5	13.6	1.2	-1.3	280	3.9	6.3
600	4397	4428	4363	4.1	10.2	-2.3	-5.3	281	2.9	5.8
550	5113	5149	5053	0.3	6.8	-9.1	-9.7	280	2.0	5.4
500	5859	5897	5812	-3.8	2.6	-10.3	-14.5	275	0.8	5.1
450	6689	6741	6627	-8.4	-0.9	-15.1	-19.5	110	0.4	5.2
400	7590	7638	7527	-13.9	-5.7	-19.7	-24.9	099	2.1	5.3
350	8588	8641	8522	-20.7	-11.7	-28.7	-31.2	099	4.2	6.3
300	9715	9790	9633	-28.9	-20.3	-35.7	-38.6	100	7.1	8.5
250	10993	11088	10896	-39.1	-28.9	-57.1	-47.3	093	12.1	12.7
200	12484	12605	12353	-51.5	-38.9	-61.9		089	18.4	19.1
175	13333	13468	13182	-58.8	-44.7	-69.1		087	21.9	22.6
150	14282	14437	14104	-66.5	-52.1	-75.5		087	25.2	26.0
125	15364	15546	15169	-73.6	-60.1	-82.3		089	25.8	26.5
100	16650	16857	16472	-76.2	-62.1	-86.5		091	20.3	20.8
80	17950	18197	17748	-71.6	-56.1	-83.9		088	14.1	14.7
70	18746	19021	18519	-68.6	-57.1	-83.5		086	13.0	13.5
60	19674	19980	19426	-65.7	-52.9	-78.5		088	13.0	13.6
50	20789	21114	20522	-62.4	-49.1	-73.5		091	13.8	14.5
40	22176	22540	21890	-58.3	-34.9	-68.9		095	14.9	15.6
30	23998	24428	23684	-54.2	-43.1	-64.3		092	16.0	16.8
25	25158	25595	24826	-52.4	-42.3	-62.3		089	17.5	18.8
20	26610	27084	26271	-50.2	-38.7	-59.1		089	21.6	22.6
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
543	5200	5640	4700				108	16240	-78.3

NORMALS OF RADIOSONDE DATA

MONTH : OCTOBER TIME : 1730 IST STATION : KARAIKAL

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1006	1010	1005	29.2	34.6	22.6	24.8	116	1.1	3.8
1000	61	92	46	28.8	34.2	22.8	24.3	114	1.1	4.4
950	494	538	468	25.6	33.8	18.2	19.5	069	0.5	5.4
925	750	778	736	23.8	30.4	16.8	18.2	317	0.8	5.1
900	990	1015	975	22.6	32.6	15.8	15.7	351	1.5	5.6
850	1486	1510	1470	19.5	30.0	12.2	12.5	346	2.5	5.9
800	2006	2026	1991	16.5	27.2	9.6	9.3	347	2.7	6.1
750	2547	2565	2525	13.4	22.4	7.2	5.6	345	2.5	6.0
700	3131	3153	3117	10.4	20.6	3.8	1.7	337	2.0	5.9
650	3740	3762	3715	7.1	16.6	-0.5	-1.9	322	1.3	5.6
600	4399	4434	4382	3.6	12.8	-3.7	-5.6	323	0.5	5.2
550	5112	5147	5083	-0.2	8.0	-7.1	-9.1	054	0.4	5.1
500	5859	5910	5836	-4.2	3.4	-10.3	-13.4	085	1.0	5.1
450	6686	6747	6654	-8.8	-1.3	-17.3	-18.2	095	1.6	5.3
400	7586	7659	7548	-14.3	-6.7	-21.1	-24.0	102	2.3	5.5
350	8585	8659	8549	-21.1	-12.5	-29.1	-30.8	103	3.3	5.7
300	9708	9810	9648	-29.4	-19.3	-37.3	-38.4	104	5.0	6.7
250	10982	11108	10907	-39.8	-27.3	-49.1	-47.3	102	7.4	9.2
200	12464	12624	12373	-52.6	-36.7	-62.1		099	10.6	12.5
175	13311	13481	13207	-59.8	-42.9	-69.7		098	12.7	14.9
150	14255	14438	14141	-67.6	-50.5	-78.9		099	14.6	16.7
125	15327	15530	15208	-75.0	-60.3	-86.7		099	14.7	16.3
100	16605	16814	16461	-78.1	-63.7	-87.9		094	11.4	12.7
80	17893	18142	17733	-73.9	-60.5	-84.5		090	8.2	9.4
70	18681	18951	18527	-70.4	-56.5	-84.3		091	7.5	8.7
60	19601	19883	19427	-66.6	-53.9	-77.1		093	8.0	9.7
50	20713	21022	20545	-63.0	-50.1	-74.3		092	9.6	11.1
40	22101	22501	21906	-59.4	-43.1	-69.3		094	12.0	13.5
30	23911	24555	23697	-55.5	-42.1	-64.5		091	14.7	16.4
25	25059	25980	24832	-53.5	-40.5	-63.3		091	15.8	17.4
20	26461	26906	26265	-52.2	-42.1	-62.1		089	18.1	19.3
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
551	5090	5700	4650				107	16260	-80.0

NORMALS OF RADIOSONDE DATA

MONTH : NOVEMBER TIME : 1730 IST STATION : KARAIKAL

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1008	1011	1007	27.6	37.0	22.6	23.8	043	3.7	5.0
1000	77	100	65	27.0	32.0	19.0	22.9	038	4.4	5.8
950	507	539	478	23.8	33.2	16.2	18.4	036	5.7	7.5
925	761	771	752	22.1	32.0	17.6	17.4	042	5.7	7.5
900	1000	1025	986	20.9	29.8	14.2	14.9	037	5.6	7.7
850	1493	1518	1479	18.2	26.6	11.2	11.3	038	5.0	7.5
800	2011	2034	1996	15.6	23.4	8.6	8.2	041	4.1	7.0
750	2552	2577	2524	12.9	20.0	5.6	5.2	046	3.3	6.5
700	3134	3156	3114	10.2	18.0	3.0	1.5	051	2.6	6.3
650	3743	3798	3715	7.0	14.8	0.4	-2.2	062	1.9	6.0
600	4401	4429	4373	3.5	11.8	-3.9	-5.4	074	2.2	6.0
550	5113	5163	5068	-0.2	8.8	-6.1	-9.6	081	2.8	6.2
500	5860	5899	5822	-4.4	4.8	-10.1	-13.7	083	3.1	6.5
450	6687	6754	6640	-9.1	-0.9	-18.1	-18.2	084	3.5	6.8
400	7585	7636	7536	-14.6	-6.5	-23.7	-23.8	094	3.3	6.6
350	8582	8639	8530	-21.3	-13.1	-28.5	-29.9	107	3.3	6.8
300	9704	9791	9639	-29.6	-21.7	-37.9	-37.7	124	3.9	7.0
250	10977	11091	10895	-40.0	-30.5	-50.0	-47.3	133	6.0	8.6
200	12460	12602	12365	-52.5	-41.7	-64.0		131	7.7	11.0
175	13307	13470	13186	-59.8	-48.9	-70.0		130	7.9	11.7
150	14253	14450	14112	-67.3	-55.7	-78.1		128	7.4	11.4
125	15334	15568	15181	-74.4	-63.1	-85.1		120	6.7	10.1
100	16609	16868	16438	-79.8	-67.9	-90.1		104	6.4	8.5
80	17875	18132	17698	-76.7	-60.7	-89.7		091	5.7	7.8
70	18653	18918	18489	-72.6	-61.1	-82.5		096	4.4	7.2
60	19564	19805	19392	-68.2	-53.3	-82.9		099	3.8	7.3
50	20671	20932	20497	-63.9	-51.1	-77.7		097	4.9	8.9
40	22045	22288	21836	-60.2	-44.3	-73.1		094	7.1	11.0
30	23842	24130	23594	-56.7	-39.5	-67.5		090	10.8	15.1
25	24990	25290	24793	-54.6	-40.3	-65.7		089	12.3	16.0
20	26394	26799	26163	-52.6	-36.9	-62.7		093	13.3	17.6
15										
10										
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FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
553	5060	5500	4650				100	16600	-81.4

NORMALS OF RADIOSONDE DATA

MONTH : DECEMBER TIME : 1730 IST STATION : KARAIKAL

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1010	1012	1009	26.7	30.0	22.0	22.8	038	5.2	5.7
1000	96	115	84	26.0	30.2	21.8	21.8	033	6.7	7.3
950	524	550	490	22.5	35.4	16.0	17.7	037	8.1	8.8
925	777	789	768	20.5	25.6	15.4	16.2	040	7.9	8.8
900	1015	1025	1003	19.4	31.6	13.4	14.5	043	7.7	8.7
850	1506	1514	1494	16.8	26.8	10.0	10.4	050	6.6	7.8
800	2021	2031	2007	14.7	25.2	7.8	6.3	057	5.3	6.9
750	2561	2590	2534	12.5	25.2	4.4	2.6	064	4.5	6.4
700	3141	3158	3125	10.0	22.4	4.0	-0.7	069	4.0	6.1
650	3750	3775	3720	6.9	18.8	-0.5	-4.0	070	3.8	5.9
600	4407	4433	4386	3.4	14.4	-5.5	-7.4	070	3.6	5.8
550	5115	5147	5083	-0.4	9.8	-6.1	-10.9	074	3.9	6.2
500	5864	5898	5837	-4.8	4.0	-11.3	-15.2	076	3.6	6.4
450	6686	6728	6652	-9.7	-2.1	-16.7	-19.9	074	3.0	6.6
400	7586	7630	7545	-15.3	-7.5	-21.9	-25.3	067	1.8	6.7
350	8580	8629	8539	-22.2	-13.5	-30.5	-31.4	197	0.3	7.5
300	9697	9760	9645	-30.4	-20.7	-39.9	-38.9	204	2.9	8.4
250	10967	11041	10907	-40.8	-30.1	-51.5		196	5.4	10.5
200	12446	12529	12381	-53.1	-42.3	-64.7		196	7.1	12.3
175	13295	13376	13222	-60.1	-48.1	-71.9		201	7.3	12.7
150	14242	14336	14160	-67.1	-54.3	-79.9		207	6.4	12.3
125	15319	15418	15235	-73.7	-61.5	-86.3		214	4.4	10.1
100	16602	16748	16510	-79.0	-67.0	-89.7		130	2.0	7.5
80	17872	18110	17749	-77.3	-60.3	-87.9		101	3.4	7.0
70	18652	18980	18530	-73.1	-56.5	-84.7		101	2.9	6.5
60	19562	19925	19458	-68.8	-54.1	-83.9		112	1.8	6.8
50	20660	20845	20530	-64.3	-51.9	-78.9		098	2.3	8.0
40	22037	22279	21935	-60.1	-45.9	-71.5		093	5.4	10.3
30	23838	24146	23699	-56.1	-44.1	-67.5		092	8.6	12.9
25	24977	25477	24815	-54.2	-40.5	-66.1		089	9.1	13.9
20	26417	26978	26210	-51.6	-42.1	-63.5		092	9.4	14.8
15										
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FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
556	5020	5410	4660				097	16810	-81.2

NORMALS OF RADIOSONDE DATA

MONTH : JANUARY TIME : 1730 IST STATION : KOCHI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1009	1011	1007	29.9	34.0	24.0	21.5	270	2.7	2.9
1000	82	95	66	29.3	33.2	26.0	20.6			
950	534	554	518	25.5	30.8	19.0	15.9			
925	771	787	760	24.2	27.8	18.8	15.1			
900	1009	1024	992	22.2	29.0	16.0	12.4			
850	1503	1521	1487	18.8	24.4	11.2	8.9			
800	2021	2041	2004	15.6	23.0	9.8	4.6			
750	2565	2587	2548	13.0	21.2	7.0	0.1			
700	3142	3167	3126	10.3	17.2	2.4	-4.5			
650	3754	3783	3736	7.2	13.0	-4.7	-7.3			
600	4409	4438	4390	3.6	9.2	-5.0	-10.1			
550	5108	5143	5086	-0.3	5.4	-7.0	-12.8			
500	5866	5901	5837	-4.7	1.0	-13.1	-17.3			
450	6685	6729	6652	-9.6	-3.0	-19.1	-21.8			
400	7588	7633	7545	-15.5	-8.0	-24.7				
350	8577	8633	8527	-22.6	-14.0	-31.9				
300	9697	9754	9634	-31.0	-20.9	-40.9				
250	10964	11031	10886	-41.0	-30.1	-51.9				
200	12440	12526	12343	-53.4	-40.1	-65.0				
175	13284	13378	13176	-60.2	-50.0	-72.1				
150	14230	14346	14107	-66.9	-56.0	-78.7				
125	15311	15452	15164	-73.4	-61.0	-85.3				
100	16595	16807	16438	-78.1	-63.0	-90.7				
80	17859	18226	17711	-76.4	-58.0	-89.3				
70	18633	18966	18488	-73.2	-58.1	-86.1				
60	19541	19974	19388	-69.0	-54.1	-80.1				
50	20645	20920	20456	-64.4	-45.5	-75.5				
40	22027	22290	21814	-60.1	-43.0	-71.9				
30	23845	24162	23596	-55.7	-43.1	-66.0				
25	25007	25302	24728	-53.5	-40.1	-64.0				
20	26465	26759	26140	-50.7	-36.1	-61.7				
15										
10										
7	ONLY RADIOSONDE OBSERVATIONS TAKEN AT KOCHI									

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
553	5060	5370	4760				099	16670	-80.1

NORMALS OF RADIOSONDE DATA

MONTH : FEBRUARY TIME : 1730 IST STATION : KOCHI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1009	1010	1006	30.3	32.8	26.0	22.8	274	3.2	3.4
1000	78	92	61	29.7	32.0	26.0	22.1			
950	530	545	512	25.9	34.2	19.4	17.7			
925	768	782	756	24.7	33.2	19.4	16.4			
900	1007	1024	987	23.2	32.2	14.4	13.9			
850	1503	1521	1481	20.0	28.4	13.4	10.7			
800	2023	2042	1998	16.6	26.0	10.0	6.4			
750	2568	2591	2541	13.4	24.2	7.0	1.1			
700	3147	3169	3119	10.6	22.0	4.0	-4.0			
650	3758	3784	3728	7.4	17.2	1.0	-7.5			
600	4414	4443	4386	3.8	10.8	-4.0	-10.0			
550	5114	5149	5084	-0.1	7.2	-13.0	-13.5			
500	5872	5907	5840	-4.5	1.8	-13.0	-18.3			
450	6691	6735	6651	-9.5	-2.7	-17.7				
400	7594	7641	7556	-15.1	-7.1	-24.3				
350	8585	8649	8527	-22.2	-12.1	-30.5				
300	9706	9783	9650	-30.5	-19.1	-40.3				
250	10976	11071	10911	-40.4	-29.0	-51.7				
200	12456	12575	12381	-52.6	-41.9	-65.5				
175	13304	13435	13217	-59.2	-48.7	-70.9				
150	14254	14408	14167	-66.2	-55.0	-80.7				
125	15339	15506	15246	-72.6	-58.7	-83.3				
100	16625	16862	16514	-77.4	-66.0	-88.1				
80	17902	18204	17781	-75.9	-60.7	-89.1				
70	18681	19008	18552	-72.5	-58.9	-85.7				
60	19595	19849	19428	-68.6	-52.7	-84.7				
50	20699	20932	20488	-64.3	-50.7	-79.7				
40	22071	22470	21780	-60.1	-45.5	-73.0				
30	23884	24277	23529	-55.3	-45.1	-70.9				
25	25052	25453	24644	-52.6	-40.1	-70.7				
20	26506	26981	26140	-49.9	-34.5	-66.1				
15										
10										
7	ONLY RADIOSONDE OBSERVATIONS TAKEN AT KOCHI									

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
552	5090	5570	4870				099	16720	-79.5

NORMALS OF RADIOSONDE DATA

MONTH : MARCH TIME : 1730 IST STATION : KOCHI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1008	1009	1005	31.1	34.0	26.0	24.1	275	3.4	3.6
1000	69	80	48	30.5	33.0	26.0	23.6			
950	523	536	501	26.5	34.2	20.8	19.7			
925	761	770	740	25.4	30.6	20.8	16.6			
900	1001	1014	982	24.1	33.0	17.8	15.3			
850	1499	1514	1480	21.2	29.8	11.6	12.3			
800	2021	2039	2002	17.7	25.4	8.6	9.0			
750	2568	2590	2549	14.0	21.2	5.2	4.7			
700	3148	3171	3127	10.6	18.0	3.8	-1.0			
650	3760	3789	3739	7.5	16.0	0.8	-5.9			
600	4416	4447	4392	4.0	13.0	-4.3	-10.2			
550	5116	5151	5093	0.0	9.0	-7.1	-13.4			
500	5874	5909	5847	-4.4	4.0	-12.0	-17.8			
450	6694	6733	6661	-9.4	-1.0	-18.0	-22.2			
400	7598	7638	7559	-15.3	-5.7	-30.0				
350	8588	8643	8538	-22.3	-12.5	-32.0				
300	9709	9771	9652	-30.4	-21.9	-40.9				
250	10979	11056	10910	-40.3	-29.9	-54.1				
200	12462	12560	12387	-52.4	-39.9	-64.7				
175	13313	13445	13216	-59.1	-46.3	-70.1				
150	14263	14411	14142	-65.9	-54.3	-78.7				
125	15350	15515	15203	-72.3	-53.0	-84.3				
100	16642	16855	16465	-77.4	-61.0	-89.7				
80	17923	18246	17684	-75.6	-58.0	-85.9				
70	18703	19078	18454	-72.1	-56.0	-84.1				
60	19615	20020	19365	-68.0	-53.9	-81.0				
50	20718	20960	20379	-63.5	-46.1	-83.0				
40	22101	22405	21751	-59.1	-37.5	-81.0				
30	23926	24325	23566	-54.1	-38.5	-78.0				
25	25099	25561	24413	-51.6	-37.7	-77.0				
20	26544	26941	26338	-48.7	-33.1	-63.9				
15										
10										
7	ONLY RADIOSONDE OBSERVATIONS TAKEN AT KOCHI									

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
549	5120	5510	4680				097	16810	-79.5

NORMALS OF RADIOSONDE DATA

MONTH : APRIL TIME : 1730 IST STATION : KOCHI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1007	1008	1005	31.2	34.4	24.4	25.0	276	3.3	3.6
1000	60	72	51	30.6	33.4	23.8	24.6			
950	514	535	502	26.5	33.0	20.8	21.2			
925	755	764	748	24.9	28.8	19.2	19.6			
900	992	1007	982	23.8	30.4	18.0	17.3			
850	1490	1508	1479	21.1	29.0	14.2	14.4			
800	2013	2034	2000	18.1	25.6	12.0	11.2			
750	2560	2586	2544	14.6	22.2	7.8	7.3			
700	3142	3170	3126	11.0	18.0	3.0	2.6			
650	3755	3788	3735	7.5	17.0	-4.3	-2.9			
600	4412	4445	4388	3.9	11.0	-5.7	-7.8			
550	5112	5152	5077	0.1	7.4	-7.1	-12.2			
500	5871	5911	5837	-4.1	3.2	-12.0	-16.5			
450	6693	6739	6649	-8.8	-1.1	-19.0	-21.0			
400	7598	7643	7557	-14.6	-7.9	-22.1	-26.5			
350	8591	8650	8540	-21.6	-12.1	-28.7	-32.4			
300	9716	9784	9658	-29.7	-21.0	-38.7				
250	10991	11074	10918	-39.5	-28.0	-50.9				
200	12477	12585	12393	-51.7	-42.0	-66.1				
175	13330	13452	13235	-58.5	-48.0	-76.5				
150	14283	14420	14183	-65.6	-53.0	-77.0				
125	15369	15538	15268	-72.7	-59.0	-84.5				
100	16661	16904	16533	-78.3	-65.0	-87.5				
80	17931	18243	17796	-76.8	-63.7	-89.9				
70	18709	18929	18571	-72.9	-56.7	-85.1				
60	19616	19869	19469	-68.0	-49.5	-79.3				
50	20727	21007	20546	-63.0	-44.1	-76.3				
40	22122	22433	21865	-58.2	-40.9	-71.7				
30	23951	24312	23658	-52.8	-32.7	-66.3				
25	25129	25570	24570	-50.3	-35.5	-63.1				
20	26585	27013	25963	-48.0	-32.7	-60.5				
15										
10										
7	ONLY RADIOSONDE OBSERVATIONS TAKEN AT KOCHI									

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
548	5130	5630	4650				097	16830	-80.4

NORMALS OF RADIOSONDE DATA

MONTH : MAY TIME : 1730 IST STATION : KOCHI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1006	1007	1005	30.6	33.8	24.0	25.1	278	2.8	3.1
1000	58	67	48	30.0	32.8	24.0	24.7			
950	510	521	483	25.9	31.0	19.6	21.4			
925	753	759	746	24.4	30.0	18.6	20.0			
900	988	1001	977	22.9	30.4	16.0	17.8			
850	1485	1501	1473	20.3	28.2	13.2	14.6			
800	2007	2026	1992	17.5	26.4	9.2	11.4			
750	2554	2579	2533	14.6	26.0	6.6	7.8			
700	3136	3164	3115	11.2	20.6	4.0	3.6			
650	3749	3780	3726	7.5	14.8	0.0	-1.0			
600	4406	4442	4381	3.6	10.2	-4.0	-5.4			
550	5108	5148	5077	0.0	7.2	-8.1	-9.2			
500	5866	5908	5837	-3.9	3.4	-12.3	-14.0			
450	6688	6734	6652	-8.4	-0.9	-18.1	-18.6			
400	7596	7642	7555	-13.9	-2.7	-24.5	-23.8			
350	8592	8647	8542	-20.7	-11.9	-32.1	-29.8			
300	9721	9786	9667	-28.8	-19.0	-41.3	-37.4			
250	10999	11079	10940	-38.7	-28.0	-52.7	-45.8			
200	12492	12602	12415	-51.2	-37.9	-64.7				
175	13346	13469	13245	-58.2	-46.0	-70.1				
150	14299	14456	14177	-65.7	-52.0	-76.9				
125	15381	15574	15237	-73.0	-59.0	-86.9				
100	16667	16929	16496	-78.4	-66.0	-88.3				
80	17932	18251	17744	-76.3	-60.1	-86.9				
70	18716	19072	18526	-72.3	-56.1	-87.9				
60	19628	20067	19419	-67.6	-50.7	-81.0				
50	20732	21174	20510	-62.8	-44.3	-77.0				
40	22110	22551	21887	-58.0	-39.3	-72.0				
30	23943	24457	23668	-53.0	-40.1	-69.0				
25	25119	25666	24806	-50.4	-39.1	-66.0				
20	26576	27173	26196	-47.6	-34.5	-58.3				
15										
10										
7	ONLY RADIOSONDE OBSERVATIONS TAKEN AT KOCHI									

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
550	5110	5590	4770				098	16790	-80.4

NORMALS OF RADIOSONDE DATA

MONTH : JUNE TIME : 1730 IST STATION : KOCHI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1007	1008	1006	28.3	33.2	22.4	24.6	271	2.2	2.5
1000	65	77	55	27.8	32.8	22.4	24.1			
950	514	531	486	24.2	30.0	16.2	20.8			
925	753	766	744	22.9	27.8	14.2	19.3			
900	990	1005	981	21.1	27.2	13.6	17.8			
850	1484	1500	1475	18.4	24.8	11.0	14.6			
800	2002	2020	1992	15.6	23.0	8.6	11.2			
750	2546	2571	2535	12.9	19.2	6.2	7.5			
700	3125	3151	3113	10.1	16.0	3.2	3.6			
650	3737	3762	3721	6.9	14.0	0.0	-0.2			
600	4393	4428	4373	3.6	10.0	-5.1	-4.0			
550	5094	5137	5069	0.0	8.8	-11.0	-7.3			
500	5853	5901	5824	-4.0	3.2	-12.3	-11.8			
450	6675	6727	6643	-8.7	0.4	-18.3	-16.6			
400	7583	7643	7544	-14.1	-6.0	-25.5	-22.2			
350	8579	8630	8532	-20.6	-12.9	-28.0	-28.7			
300	9709	9776	9655	-28.6	-19.0	-37.1	-36.8			
250	10989	11060	10924	-38.4	-30.0	-49.0	-45.9			
200	12483	12590	12400	-50.7	-40.0	-61.7				
175	13339	13472	13245	-57.7	-48.0	-68.9				
150	14294	14444	14186	-65.2	-54.0	-77.1				
125	15380	15572	15237	-72.5	-59.0	-84.5				
100	16670	16925	16507	-76.8	-64.0	-89.7				
80	17952	18225	17786	-73.3	-61.3	-84.1				
70	18746	19061	18571	-69.6	-55.9	-81.1				
60	19664	19982	19497	-66.0	-52.5	-79.0				
50	20775	21082	20613	-61.9	-45.5	-75.1				
40	22160	22529	21963	-57.6	-42.1	-74.7				
30	23988	24349	23776	-52.8	-36.3	-69.9				
25	25163	25563	24814	-50.2	-31.1	-66.0				
20										
15										
10										
7	ONLY RADIOSONDE OBSERVATIONS TAKEN AT KOCHI									

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
550	5100	5590	4720				103	16520	-78.9

NORMALS OF RADIOSONDE DATA

MONTH : JULY TIME : 1730 IST STATION : KOCHI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1008	1009	1006	27.6	32.4	23.0	24.1	279	2.0	2.3
1000	69	80	57	27.2	31.6	17.0	23.7			
950	518	528	490	23.6	28.8	17.2	20.6			
925	755	761	746	22.4	26.4	18.6	19.1			
900	992	1002	981	20.6	29.4	14.6	17.5			
850	1486	1498	1471	17.9	23.2	12.0	14.4			
800	2003	2021	1986	15.1	23.0	8.0	11.1			
750	2547	2569	2529	12.5	18.2	6.0	7.6			
700	3125	3151	3102	9.7	16.0	2.6	3.5			
650	3736	3756	3712	6.7	13.0	-0.5	0.0			
600	4391	4429	4365	3.3	8.6	-4.0	-3.5			
550	5091	5139	5058	-0.2	6.8	-6.9	-7.0			
500	5850	5903	5811	-4.2	2.0	-14.1	-11.7			
450	6671	6730	6624	-8.9	1.8	-18.3	-16.7			
400	7577	7649	7523	-14.5	-5.3	-26.1	-22.7			
350	8571	8629	8509	-21.4	-11.0	-34.9	-29.4			
300	9696	9785	9624	-29.5	-18.0	-46.1	-37.4			
250	10971	11066	10886	-39.4	-29.7	-55.3	-47.0			
200	12460	12563	12352	-51.6	-41.0	-67.5				
175	13312	13451	13195	-58.5	-46.0	-73.9				
150	14265	14433	14129	-65.7	-52.0	-78.9				
125	15358	15592	15198	-72.5	-57.0	-83.1				
100	16660	16921	16477	-75.1	-62.1	-88.1				
80	17960	18204	17767	-70.5	-56.0	-83.1				
70	18760	19034	18559	-67.7	-53.1	-81.0				
60	19695	19975	19466	-64.6	-50.3	-78.0				
50	20823	21102	20567	-61.0	-45.3	-75.0				
40	22213	22650	21955	-57.3	-40.1	-73.0				
30	24046	24389	23759	-52.4	-32.5	-71.0				
25	25222	25629	24630	-50.4	-30.1	-69.0				
20										
15										
10										
7	ONLY RADIOSONDE OBSERVATIONS TAKEN AT KOCHI									

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
553	5050	5540	4510				108	16240	-77.8

NORMALS OF RADIOSONDE DATA

MONTH : AUGUST TIME : 1730 IST STATION : KOCHI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1008	1010	1006	27.8	31.8	23.4	24.1	281	2.2	2.5
1000	72	86	56	27.2	31.4	23.0	23.6			
950	519	537	504	23.5	29.2	18.0	20.3			
925	760	772	751	22.2	28.0	18.4	18.7			
900	994	1011	979	20.6	25.8	15.2	17.2			
850	1487	1506	1469	17.8	23.0	10.4	14.2			
800	2005	2028	1984	15.1	21.4	10.0	11.1			
750	2548	2574	2527	12.5	18.0	6.0	7.5			
700	3126	3157	3101	9.8	15.0	3.0	3.4			
650	3737	3760	3712	6.8	12.0	1.0	-0.5			
600	4392	4429	4365	3.4	10.0	-4.0	-4.0			
550	5093	5135	5062	-0.2	6.4	-8.0	-7.7			
500	5852	5897	5823	-4.2	2.4	-13.5	-12.4			
450	6672	6716	6640	-8.9	-1.0	-18.0	-17.4			
400	7578	7632	7542	-14.5	-7.5	-24.0	-23.0			
350	8573	8618	8531	-21.4	-12.7	-32.0	-29.8			
300	9699	9752	9654	-29.7	-19.0	-41.0	-37.8			
250	10972	11042	10915	-39.6	-29.7	-50.0	-47.3			
200	12461	12560	12384	-51.9	-42.0	-68.0				
175	13313	13424	13231	-58.8	-47.0	-73.0				
150	14265	14395	14166	-66.1	-51.0	-82.0				
125	15351	15492	15237	-72.9	-57.0	-87.0				
100	16650	16790	16396	-74.9	-57.0	-89.0				
80	17959	18132	17683	-70.2	-59.0	-90.0				
70	18757	18933	18461	-67.5	-55.1	-85.0				
60	19688	19888	19460	-64.7	-49.1	-84.0				
50	20818	21069	20538	-61.3	-42.5	-80.0				
40	22213	22453	21900	-57.7	-46.0	-72.0				
30	24041	24284	23557	-53.4	-38.7	-70.0				
25	25203	25477	24659	-51.6	-37.3	-68.9				
20										
15										
10										
7	ONLY RADIOSONDE OBSERVATIONS TAKEN AT KOCHI									

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
552	5050	5360	4760				109	16180	-77.2

NORMALS OF RADIOSONDE DATA

MONTH : SEPTEMBER TIME : 1730 IST STATION : KOCHI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1008	1009	1006	28.6	32.0	24.0	24.1	281	2.3	2.7
1000	70	85	58	28.0	31.4	24.0	23.6			
950	518	535	496	24.1	30.2	18.6	20.1			
925	758	771	747	22.7	29.0	16.6	18.0			
900	994	1010	978	21.1	28.2	15.0	16.6			
850	1488	1505	1470	18.3	25.2	12.0	13.7			
800	2006	2025	1986	15.5	21.8	9.0	10.5			
750	2550	2571	2529	12.8	18.2	7.0	7.2			
700	3128	3151	3105	10.0	16.0	3.6	3.3			
650	3740	3764	3716	6.8	12.0	0.0	-0.7			
600	4395	4422	4367	3.4	8.4	-4.0	-4.8			
550	5095	5130	5066	-0.2	5.8	-7.9	-8.6			
500	5853	5886	5819	-4.4	5.0	-12.1	-13.6			
450	6674	6712	6631	-9.2	-0.1	-18.7	-18.7			
400	7578	7620	7526	-14.8	-7.1	-24.0	-24.3			
350	8571	8625	8499	-21.9	-10.7	-33.0	-30.7			
300	9694	9756	9607	-30.2	-22.7	-42.0	-38.7			
250	10965	11044	10855	-40.3	-31.0	-52.5	-47.9			
200	12449	12551	12303	-52.8	-42.0	-66.0				
175	13299	13412	13156	-59.8	-48.0	-72.3				
150	14247	14379	14088	-67.0	-52.0	-79.0				
125	15328	15494	15154	-73.5	-58.0	-84.0				
100	16615	16848	16301	-75.7	-64.3	-88.0				
80	17916	18153	17646	-71.7	-61.5	-84.0				
70	18711	18948	18451	-68.7	-54.5	-80.0				
60	19636	19839	19460	-65.9	-53.7	-77.0				
50	20751	20967	20561	-62.8	-48.5	-77.0				
40	22135	22650	21907	-59.4	-45.1	-72.9				
30	23957	24515	23718	-54.9	-44.1	-68.3				
25	25123	25724	24878	-52.9	-42.7	-66.7				
20										
15										
10										
7	ONLY RADIOSONDE OBSERVATIONS TAKEN AT KOCHI									

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
553	5050	5550	4720				109	16110	-77.9

NORMALS OF RADIOSONDE DATA

MONTH : OCTOBER TIME : 1730 IST STATION : KOCHI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1008	1010	1006	29.0	34.0	24.0	24.3	267	2.2	2.6
1000	71	90	59	28.4	33.6	24.0	23.7			
950	522	542	508	24.5	30.6	18.8	20.2			
925	761	779	745	22.9	27.6	18.2	18.2			
900	997	1019	983	21.5	28.2	14.6	16.9			
850	1491	1515	1476	18.7	26.0	12.4	13.9			
800	2010	2035	1993	15.8	22.2	9.2	10.6			
750	2555	2580	2537	12.9	19.6	7.0	6.9			
700	3133	3159	3115	9.9	16.8	3.0	2.8			
650	3744	3768	3726	6.7	13.2	0.0	-1.0			
600	4399	4425	4379	3.3	10.8	-4.0	-4.4			
550	5099	5132	5077	-0.4	7.4	-8.0	-8.2			
500	5856	5890	5832	-4.6	2.2	-12.0	-13.2			
450	6677	6713	6649	-9.3	-3.0	-18.0	-18.1			
400	7580	7616	7544	-14.9	-8.3	-27.1	-23.6			
350	8574	8613	8522	-21.9	-14.7	-30.1	-30.2			
300	9695	9741	9621	-30.2	-22.1	-40.0	-38.0			
250	10965	11029	10868	-40.5	-32.0	-51.7	-47.7			
200	12445	12534	12320	-53.3	-40.0	-67.9				
175	13290	13393	13155	-60.4	-47.0	-72.3				
150	14234	14368	14086	-67.8	-52.0	-80.3				
125	15312	15511	15167	-74.4	-59.0	-86.5				
100	16595	16839	16440	-77.8	-62.5	-89.0				
80	17876	18201	17705	-73.7	-56.3	-88.0				
70	18665	19006	18461	-70.4	-53.3	-86.0				
60	19583	19927	19299	-67.1	-53.7	-90.0				
50	20684	20945	20353	-63.9	-48.3	-82.0				
40	22065	22364	21550	-59.9	-43.1	-72.0				
30	23869	24208	23599	-55.8	-42.9	-70.0				
25	25039	25460	24742	-53.5	-41.1	-69.0				
20										
15										
10										
7	ONLY RADIOSONDE OBSERVATIONS TAKEN AT KOCHI									

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
555	5020	5350	4750				106	16260	-79.5

NORMALS OF RADIOSONDE DATA

MONTH : NOVEMBER TIME : 1730 IST STATION : KOCHI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1008	1010	1007	29.4	34.2	24.0	23.7	271	1.8	2.3
1000	74	88	60	28.8	33.0	23.8	23.0			
950	525	538	504	24.9	32.2	19.8	19.2			
925	762	773	755	23.5	31.0	17.4	17.2			
900	1001	1017	989	21.8	30.4	15.0	16.1			
850	1495	1510	1478	18.7	28.0	12.4	13.0			
800	2013	2027	1998	15.6	25.4	9.4	9.4			
750	2558	2572	2540	12.8	20.4	2.6	5.6			
700	3135	3152	3117	9.8	16.6	3.4	1.6			
650	3746	3764	3726	6.7	13.2	0.6	-1.8			
600	4401	4421	4377	3.3	10.0	-3.0	-5.5			
550	5101	5123	5075	-0.5	6.4	-8.7	-9.0			
500	5858	5885	5829	-4.7	1.8	-13.0	-13.4			
450	6678	6711	6635	-9.6	-2.7	-19.0	-18.2			
400	7581	7621	7523	-15.2	-8.5	-26.0	-23.9			
350	8572	8627	8486	-22.3	-13.3	-34.0	-30.5			
300	9694	9757	9586	-30.6	-21.0	-49.3	-38.3			
250	10962	11043	10819	-40.9	-29.0	-56.0	-48.1			
200	12438	12546	12251	-53.6	-42.0	-70.0				
175	13286	13405	13067	-60.4	-49.1	-76.0				
150	14229	14370	13977	-67.6	-57.0	-85.0				
125	15314	15462	14989	-74.3	-61.0	-87.0				
100	16597	16763	16217	-79.1	-62.1	-90.0				
80	17867	18078	17413	-76.0	-60.1	-92.0				
70	18648	18870	18134	-72.1	-57.3	-92.0				
60	19568	19791	18976	-68.2	-56.9	-88.0				
50	20682	20915	20487	-63.9	-53.5	-80.0				
40	22063	22230	21820	-59.8	-45.3	-76.0				
30	23906	24094	23631	-55.1	-41.3	-65.3				
25	25061	25323	24808	-53.4	-38.9	-63.3				
20										
15										
10										
7	ONLY RADIOSONDE OBSERVATIONS TAKEN AT KOCHI									

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
555	5020	5400	4640				101	16540	-80.8

NORMALS OF RADIOSONDE DATA

MONTH : DECEMBER TIME : 1730 IST STATION : KOCHI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1009	1011	1008	29.9	34.2	24.0	22.1	274	2.1	2.4
1000	82	95	71	29.1	33.6	24.0	21.3			
950	533	548	519	25.2	33.2	18.6	17.1			
925	773	784	765	23.7	32.2	18.6	15.6			
900	1008	1023	991	21.9	31.4	16.0	14.1			
850	1502	1517	1483	18.5	27.6	13.0	10.8			
800	2020	2036	1998	15.5	24.2	9.0	6.8			
750	2564	2582	2542	12.9	22.6	7.0	2.9			
700	3142	3163	3116	10.1	19.8	4.0	-0.7			
650	3753	3775	3726	6.9	18.8	0.2	-3.8			
600	4408	4436	4378	3.2	11.6	-4.0	-7.1			
550	5107	5139	5072	-0.7	7.0	-9.5	-11.5			
500	5863	5900	5825	-5.0	2.0	-16.0	-16.0			
450	6680	6722	6635	-10.0	-2.7	-19.7	-20.7			
400	7582	7623	7534	-15.9	-8.0	-27.0	-25.7			
350	8571	8612	8512	-22.9	-15.0	-34.0	-32.1			
300	9688	9731	9616	-31.3	-23.0	-44.0	-39.0			
250	10953	11017	10855	-41.5	-33.0	-55.0				
200	12427	12533	12309	-53.9	-42.1	-70.0				
175	13275	13416	13182	-60.5	-46.7	-74.0				
150	14219	14390	14123	-67.3	-51.9	-83.0				
125	15302	15553	15180	-73.6	-56.1	-88.0				
100	16583	16895	16439	-78.8	-60.7	-92.0				
80	17852	18249	17691	-76.7	-60.3	-92.0				
70	18631	19083	18464	-72.9	-56.1	-87.0				
60	19540	20096	19317	-68.5	-54.1	-84.0				
50	20648	21070	20094	-64.1	-48.5	-80.0				
40	22024	22443	21360	-59.8	-43.1	-78.0				
30	23845	24280	23015	-55.1	-34.5	-75.0				
25	24995	25637	24680	-53.1	-34.1	-70.0				
20	26442	27115	26269	-50.6	-30.5	-64.1				
15										
10										
7	ONLY RADIOSONDE OBSERVATIONS TAKEN AT KOCHI									

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
558	4980	5300	4730				097	16740	-80.9

NORMALS OF RADIOSONDE DATA

MONTH : JANUARY TIME : 1730 IST STATION : KOLKATA

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1012	1014	1011	23.1	30.0	14.2	12.7	346	0.5	0.8
1000	114	129	101	22.3	30.0	14.0	11.7	335	2.0	3.1
950	549	566	509	18.6	27.0	10.0	7.7	326	2.6	4.0
925	784	794	773	16.9	29.2	9.0	6.7	319	3.4	4.7
900	1018	1031	1005	15.0	22.6	7.8	4.5	313	3.7	4.8
850	1500	1513	1485	12.3	20.4	4.6	0.5	305	5.9	6.9
800	2006	2020	1990	10.2	19.0	3.0	-3.5	300	8.3	9.3
750	2540	2557	2523	8.0	18.0	-1.0	-6.3	294	10.3	11.2
700	3106	3123	3088	5.4	16.0	-3.7	-9.2	288	12.4	13.3
650	3707	3726	3687	2.4	12.0	-6.5	-12.8	282	14.6	15.5
600	4351	4375	4328	-0.9	8.2	-10.1	-15.9	279	17.0	18.1
550	5043	5087	5008	-4.9	4.2	-14.1	-19.9	276	19.8	20.9
500	5783	5823	5748	-9.7	0.0	-19.3	-23.7	275	22.9	24.1
450	6588	6654	6537	-15.0	-4.0	-26.0	-28.5	272	26.0	27.5
400	7469	7532	7410	-20.8	-10.3	-32.1	-33.5	270	29.4	31.1
350	8445	8519	8381	-27.2	-16.9	-40.1	-39.7	269	33.3	35.1
300	9538	9637	9455	-34.7	-22.5	-48.7	-46.6	266	36.4	38.4
250	10788	10907	10685	-43.7	-31.1	-55.0	-54.1	262	39.4	41.4
200	12252	12381	12133	-54.4	-41.7	-66.1		258	40.2	42.1
175	13096	13229	12969	-60.2	-47.3	-74.9		257	37.9	39.5
150	14042	14190	13907	-65.9	-53.9	-78.1		257	34.5	35.9
125	15131	15312	14998	-71.7	-60.1	-83.9		258	29.6	31.0
100	16431	16616	16290	-76.2	-65.9	-87.1		263	22.6	24.1
80	17716	17973	17560	-76.1	-60.5	-87.5		267	14.7	16.9
70	18494	18757	18340	-73.4	-57.1	-85.7		270	11.6	13.9
60	19406	19669	19243	-69.3	-57.1	-84.3		271	8.3	11.2
50	20506	20762	20344	-64.6	-48.1	-78.7		270	6.0	9.8
40	21882	22090	21692	-61.1	-47.5	-73.9		264	4.0	9.8
30	23678	23912	23419	-58.3	-49.9	-69.9				
25	24832	25197	24565	-56.2	-46.1	-68.3				
20	26262	26838	25887	-54.3	-43.1	-65.3				
15										
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FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
617	4140	4830	3530				099	16520	-77.7

NORMALS OF RADIOSONDE DATA

MONTH : FEBRUARY TIME : 1730 IST STATION : KOLKATA

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1010	1013	1006	26.5	35.0	15.8	14.1	337	0.2	1.2
1000	95	118	60	25.7	34.0	15.0	13.6	323	0.8	2.7
950	535	562	499	21.6	30.4	13.0	9.9	296	1.5	4.0
925	773	789	760	19.8	29.8	13.0	10.0	289	1.9	4.3
900	1009	1030	973	17.8	28.0	9.0	7.2	288	2.9	4.6
850	1495	1516	1459	14.4	24.0	5.0	3.6	288	5.3	6.5
800	2004	2032	1963	11.3	21.0	3.4	-0.9	289	8.1	9.2
750	2537	2578	2499	8.3	19.0	-0.5	-4.8	289	10.6	11.7
700	3106	3148	3060	5.1	16.6	-4.3	-8.2	287	12.7	13.7
650	3706	3757	3656	1.9	13.0	-10.0	-11.8	282	14.7	15.6
600	4349	4401	4310	-1.5	9.6	-14.1	-15.6	279	17.0	18.0
550	5041	5095	4995	-5.4	4.6	-19.3	-19.6	276	20.0	21.2
500	5779	5834	5728	-9.9	0.2	-21.1	-24.1	274	23.0	24.3
450	6586	6643	6523	-15.0	-4.3	-27.9	-28.5	272	26.1	27.6
400	7466	7519	7391	-20.8	-10.1	-35.3	-33.6	271	29.6	31.3
350	8442	8500	8351	-27.3	-16.7	-44.5	-39.7	269	33.0	35.2
300	9536	9605	9420	-34.7	-24.5	-52.5	-45.9	266	36.2	38.5
250	10786	10867	10643	-43.4	-32.1	-57.1	-53.5	263	38.6	41.1
200	12252	12326	12074	-53.7	-43.5	-64.5		260	39.3	41.8
175	13098	13180	12902	-59.5	-48.7	-70.0		260	38.1	40.2
150	14047	14176	13827	-65.4	-53.9	-77.0		261	34.6	36.3
125	15136	15270	14899	-71.2	-56.9	-81.1		262	29.9	31.4
100	16436	16555	16178	-76.0	-60.3	-89.5		264	22.6	24.0
80	17723	17884	17447	-76.0	-62.5	-86.1		268	15.8	17.1
70	18502	18696	18216	-73.6	-59.9	-85.1		272	12.2	14.6
60	19415	19587	19129	-69.6	-57.3	-83.5		271	9.7	11.9
50	20519	20696	20264	-64.6	-49.7	-77.7		271	5.9	10.3
40	21894	22089	21678	-60.9	-47.7	-78.1		267	2.5	10.4
30	23689	23927	23508	-57.1	-45.3	-66.5				
25	24851	25093	24555	-55.6	-43.5	-66.7				
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
623	4060	4450	3530				099	16540	-77.7

NORMALS OF RADIOSONDE DATA

MONTH : MARCH TIME : 1730 IST STATION : KOLKATA

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1007	1009	1004	30.9	38.0	18.6	16.8	191	0.7	1.7
1000	66	85	39	30.3	37.2	19.0	16.3	206	0.9	2.7
950	515	537	487	26.4	35.0	17.2	12.5	235	1.9	4.4
925	753	770	732	24.9	30.8	17.2	12.4	262	2.3	4.4
900	995	1008	974	22.7	31.0	14.0	9.4	262	2.9	4.6
850	1490	1503	1472	18.9	27.4	9.0	5.7	279	4.9	6.0
800	2007	2024	1993	15.1	23.4	5.4	1.7	285	7.4	8.2
750	2547	2568	2530	11.3	19.0	1.0	-2.2	288	10.0	10.9
700	3122	3143	3102	7.3	15.4	-1.1	-6.0	290	12.0	13.0
650	3724	3749	3701	3.5	14.0	-5.1	-10.1	289	13.5	14.4
600	4372	4396	4342	-0.4	7.4	-9.1	-14.3	286	14.8	15.7
550	5067	5092	5026	-4.5	5.6	-13.5	-18.9	283	16.1	17.2
500	5808	5837	5765	-9.2	1.2	-19.3	-23.4	279	18.0	19.2
450	6617	6648	6560	-14.5	-4.5	-25.9	-28.4	276	20.5	21.9
400	7497	7536	7429	-20.7	-10.1	-33.3	-33.6	273	23.0	24.7
350	8473	8525	8388	-27.4	-16.7	-41.0	-40.0	271	26.2	28.4
300	9565	9635	9468	-34.8	-24.7	-48.1	-46.7	268	30.1	32.5
250	10815	10905	10702	-43.5	-32.0	-55.0	-54.1	263	33.5	36.0
200	12284	12390	12139	-53.4	-42.1	-65.1		261	34.1	36.5
175	13131	13244	12980	-58.9	-47.3	-71.7		261	32.5	34.8
150	14084	14199	13928	-64.7	-54.1	-75.5		262	29.1	30.9
125	15180	15305	14993	-70.5	-56.0	-81.9		263	25.1	26.5
100	16487	16636	16271	-75.5	-64.1	-87.9		266	18.2	19.7
80	17778	17942	17511	-75.8	-60.7	-84.9		273	11.4	13.6
70	18554	18797	18275	-73.5	-56.1	-83.1		278	8.1	11.3
60	19465	19738	19178	-69.0	-53.3	-80.5		278	4.8	9.0
50	20567	20836	20284	-63.9	-51.1	-76.5		280	2.4	8.0
40	21961	22251	21697	-59.6	-48.3	-70.3		219	1.2	7.6
30	23780	24148	23427	-55.6	-45.3	-67.1		250	1.7	8.7
25	24957	25374	24700	-53.4	-43.3	-65.1				
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
604	4320	4810	3840				097	16750	-77.5

NORMALS OF RADIOSONDE DATA

MONTH : APRIL TIME : 1730 IST STATION : KOLKATA

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1003	1006	1001	32.4	40.0	19.8	22.5	177	2.4	3.0
1000	34	59	11	32.0	39.0	19.0	21.8	178	2.6	3.4
950	484	512	443	28.4	37.0	16.0	18.3	192	4.9	6.2
925	734	748	714	27.1	33.4	19.8	17.6	205	4.2	5.4
900	971	991	951	25.3	33.2	13.0	13.9	223	3.9	5.4
850	1471	1491	1452	22.2	31.8	12.0	8.8	264	4.4	5.9
800	1994	2015	1976	18.6	28.2	9.6	4.3	282	6.4	7.5
750	2540	2569	2517	14.4	26.0	0.0	0.5	288	8.7	9.7
700	3121	3145	3098	9.7	20.6	1.0	-3.0	291	10.6	11.5
650	3727	3756	3703	5.0	13.4	-4.9	-7.2	292	12.1	13.1
600	4379	4408	4350	0.8	12.2	-7.7	-11.8	291	12.8	14.0
550	5077	5104	5040	-3.3	8.2	-12.0	-17.1	287	13.4	14.7
500	5821	5858	5780	-7.8	2.6	-16.0	-21.7	282	14.2	15.7
450	6635	6677	6578	-13.1	-3.1	-22.0	-26.6	278	16.1	17.7
400	7521	7576	7448	-19.1	-8.1	-28.1	-31.4	275	18.4	20.0
350	8501	8571	8414	-25.8	-15.1	-39.5	-36.9	272	21.7	23.6
300	9602	9688	9495	-33.5	-21.3	-43.9	-43.7	269	25.1	27.4
250	10858	10967	10737	-42.4	-30.0	-54.5	-51.5	266	27.9	30.4
200	12333	12464	12196	-52.8	-41.5	-67.7		264	28.7	31.0
175	13180	13324	13049	-58.5	-46.1	-71.7		264	26.6	28.7
150	14134	14291	14013	-64.6	-49.5	-76.0		265	23.5	25.3
125	15229	15443	15119	-70.9	-60.1	-82.1		266	18.6	20.3
100	16529	16779	16398	-76.4	-64.7	-86.1		269	11.7	14.0
80	17808	18119	17651	-76.6	-61.9	-86.0		281	5.4	9.9
70	18582	18901	18406	-74.0	-57.9	-85.0		285	2.2	8.1
60	19494	19760	19311	-69.1	-54.3	-81.1		083	0.4	7.0
50	20601	20904	20357	-63.2	-49.1	-79.5		111	1.6	6.3
40	21997	22323	21701	-58.3	-40.1	-75.5		092	2.4	6.7
30	23827	24179	23504	-54.2	-42.1	-70.9		102	1.9	6.8
25	24997	25389	24650	-52.0	-39.9	-69.5		069	1.6	7.3
20	26450	26976	26243	-49.6	-38.1	-66.9				
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
588	4530	5210	3960				095	16830	-78.3

NORMALS OF RADIOSONDE DATA

MONTH : MAY TIME : 1730 IST STATION : KOLKATA

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1000	1004	998	32.3	40.8	21.0	24.7	172	2.5	3.2
1000	10	39	0	31.7	40.0	21.0	23.6	171	2.6	3.4
950	457	478	414	28.5	37.0	18.0	21.3	182	5.4	6.8
925	704	717	689	27.3	34.0	18.6	20.8	191	4.5	6.4
900	946	974	921	25.6	35.6	17.2	17.8	202	4.3	6.2
850	1447	1474	1423	23.0	33.8	14.0	12.9	250	3.4	6.0
800	1973	1998	1949	19.8	29.6	7.0	8.1	282	4.9	7.0
750	2522	2549	2499	15.9	25.4	6.0	3.9	295	6.6	8.3
700	3107	3135	3082	11.4	21.0	3.2	0.0	300	8.2	9.9
650	3718	3754	3688	6.9	15.0	-3.7	-4.1	302	9.4	11.0
600	4374	4411	4340	2.7	10.2	-7.0	-8.4	299	9.7	11.4
550	5078	5125	5031	-1.0	6.0	-12.0	-13.1	294	9.6	11.3
500	5829	5874	5783	-5.0	2.4	-13.7	-17.8	289	9.3	11.4
450	6655	6699	6592	-9.6	-1.9	-19.0	-21.8	281	9.7	12.0
400	7552	7601	7488	-15.0	-7.1	-25.0	-26.6	274	10.6	13.0
350	8551	8606	8477	-21.4	-13.1	-32.7	-32.3	267	12.1	14.5
300	9671	9725	9585	-29.2	-20.7	-42.5	-39.0	261	13.5	15.9
250	10948	11021	10847	-38.9	-28.0	-51.7	-47.8	256	14.1	16.5
200	12443	12538	12323	-50.6	-40.7	-61.1		251	13.6	16.3
175	13299	13423	13172	-57.4	-46.3	-68.3		248	12.6	15.8
150	14254	14390	14115	-64.8	-52.3	-76.5		248	10.3	14.1
125	15345	15492	15179	-72.1	-57.9	-86.1		248	5.9	11.1
100	16639	16786	16456	-77.7	-65.1	-89.0		216	1.2	9.0
80	17911	18079	17704	-77.7	-60.0	-93.0		099	4.1	8.3
70	18682	18829	18472	-74.4	-58.7	-90.0		099	6.6	8.6
60	19595	19826	19378	-68.6	-51.9	-80.3		095	6.8	8.4
50	20708	20950	20435	-62.0	-48.9	-76.0		089	7.1	8.1
40	22104	22363	21801	-57.2	-42.5	-66.3		089	7.8	8.6
30	23948	24330	23637	-52.6	-39.1	-63.1		084	8.6	9.5
25	25124	25536	24810	-50.5	-34.7	-61.9		082	9.0	9.9
20	26600	27079	26411	-48.2	-33.3	-60.1		080	9.8	10.8
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
563	4890	5250	4430				096	16900	-79.7

NORMALS OF RADIOSONDE DATA

MONTH : JUNE TIME : 1730 IST STATION : KOLKATA

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	997	999	994	30.8	42.4	23.8	25.9	165	2.1	2.9
1000	22	48	9	30.5	41.0	24.0	25.4	170	2.7	3.3
950	427	467	389	27.9	39.2	21.6	23.2	178	5.0	7.0
925	677	703	645	26.7	38.0	22.6	22.6	187	5.3	7.4
900	915	947	883	24.9	36.6	19.0	20.4	188	4.4	7.1
850	1415	1448	1376	22.2	33.2	16.8	17.1	206	2.9	6.8
800	1941	1974	1896	19.3	28.8	13.0	13.4	241	2.2	7.0
750	2494	2530	2450	16.0	24.0	7.2	9.7	264	2.3	7.4
700	3077	3111	3025	12.6	19.6	4.0	5.8	279	2.6	7.9
650	3695	3733	3636	9.1	17.0	1.2	1.8	281	2.6	8.1
600	4355	4399	4294	5.5	12.6	-5.1	-2.2	279	2.4	7.9
550	5067	5110	5012	1.6	9.0	-6.0	-6.1	276	1.9	7.6
500	5825	5874	5760	-2.4	4.2	-10.3	-10.3	265	1.5	7.2
450	6659	6711	6588	-6.7	0.0	-15.3	-14.9	245	1.2	7.2
400	7567	7626	7491	-11.9	-3.1	-21.9	-20.6	217	1.0	7.0
350	8578	8641	8503	-18.3	-10.1	-29.1	-26.6	179	1.0	7.0
300	9713	9781	9627	-26.2	-17.1	-36.1	-34.1	142	1.5	7.5
250	11008	11085	10901	-36.1	-27.1	-45.7	-43.2	120	2.8	8.0
200	12516	12630	12382	-48.7	-39.7	-60.9		101	4.6	9.0
175	13379	13498	13226	-56.2	-46.5	-70.1		090	5.9	10.1
150	14338	14472	14163	-64.3	-53.9	-76.3		083	7.3	11.1
125	15427	15602	15228	-72.7	-62.1	-84.0		077	10.2	13.3
100	16717	16914	16508	-79.1	-66.0	-93.0		077	14.2	16.0
80	17986	18184	17775	-78.6	-62.0	-93.0		086	16.6	17.4
70	18754	18988	18523	-74.8	-58.3	-89.0		089	16.7	17.2
60	19661	19966	19415	-68.6	-49.3	-79.5		088	15.9	16.4
50	20767	21136	20489	-62.3	-44.5	-74.0		089	15.4	15.9
40	22161	22609	21862	-58.2	-38.7	-69.1		090	15.9	16.4
30	23993	24568	23713	-53.8	-31.3	-63.3		088	16.7	17.2
25	25165	25680	24840	-51.7	-37.3	-62.3		084	18.4	18.9
20	26628	26989	26323	-49.7	-40.5	-61.1		085	20.5	21.3
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
529	5380	5840	4940				097	16960	-80.9

NORMALS OF RADIOSONDE DATA

MONTH : JULY TIME : 1730 IST STATION : KOLKATA

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	997	999	993	29.7	37.2	23.8	26.0	168	1.9	2.6
1000	18	38	2	29.1	34.2	24.8	25.7	180	2.8	3.1
950	427	450	394	26.7	34.2	19.0	23.4	183	5.0	6.8
925	670	687	647	25.9	31.4	21.2	22.7	186	4.8	6.9
900	915	932	898	23.7	33.2	15.8	20.7	190	4.7	7.3
850	1414	1432	1396	21.0	31.0	12.4	17.7	194	3.8	7.1
800	1938	1960	1918	18.2	27.6	9.0	14.7	197	3.1	7.1
750	2489	2516	2465	15.3	25.0	5.6	11.5	198	2.6	6.8
700	3072	3104	3050	12.4	18.2	2.0	7.9	195	2.3	6.6
650	3690	3729	3660	9.2	17.0	-2.1	4.0	183	2.1	6.7
600	4352	4395	4318	5.9	12.2	-5.9	0.1	161	1.8	6.5
550	5065	5121	5027	2.1	14.0	-9.5	-4.0	133	2.0	6.6
500	5822	5878	5768	-1.9	5.2	-13.3	-8.4	116	2.4	6.6
450	6659	6718	6607	-6.5	1.6	-16.0	-13.3	104	3.1	6.6
400	7571	7634	7513	-11.7	-2.5	-20.7	-19.0	097	4.1	7.0
350	8581	8652	8513	-18.2	-8.5	-27.7	-25.8	093	5.6	7.9
300	9718	9796	9638	-26.1	-16.1	-36.1	-33.7	090	7.8	9.3
250	11010	11102	10910	-36.3	-27.0	-47.3	-42.8	086	10.3	11.5
200	12518	12628	12392	-49.2	-40.1	-61.1	-53.9	078	13.0	14.3
175	13378	13501	13235	-56.8	-46.3	-68.9		074	14.6	16.1
150	14335	14472	14181	-65.0	-52.7	-76.3		074	16.8	18.4
125	15422	15588	15249	-73.3	-60.7	-86.5		074	20.3	21.7
100	16707	16941	16514	-78.6	-65.0	-89.0		077	24.1	24.9
80	17982	18264	17783	-75.8	-56.0	-88.5		083	23.8	24.2
70	18763	19106	18559	-71.3	-53.9	-84.7		086	21.7	22.1
60	19685	19885	19469	-66.5	-51.3	-81.0		086	21.2	21.4
50	20808	21004	20576	-61.6	-46.9	-76.3		089	20.5	20.8
40	22199	22538	21944	-57.9	-45.7	-68.3		089	21.1	21.5
30	24033	24354	23679	-54.0	-41.3	-67.1		089	22.8	23.2
25	25213	25553	24962	-52.0	-39.9	-65.9		089	24.7	25.0
20	26683	27105	26474	-50.7	-35.5	-63.1		088	29.4	29.7
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
523	5460	5880	4960				101	16670	-80.1

NORMALS OF RADIOSONDE DATA

MONTH : AUGUST TIME : 1730 IST STATION : KOLKATA

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	998	1000	996	29.4	34.4	24.0	26.0	158	1.6	2.4
1000	12	29	2	29.0	33.4	24.0	25.6	171	2.1	2.6
950	436	468	393	26.4	33.0	17.0	23.2	170	4.5	6.7
925	685	705	670	25.3	31.4	20.6	22.1	179	4.5	7.0
900	922	948	903	23.5	31.0	15.0	20.5	173	4.3	7.3
850	1420	1450	1400	20.7	28.2	8.0	17.6	172	3.8	7.4
800	1943	1977	1919	18.0	26.0	10.0	14.7	168	3.3	7.2
750	2494	2535	2464	15.2	25.0	7.0	11.5	162	2.9	6.8
700	3077	3121	3050	12.4	19.0	5.0	7.8	152	2.9	6.9
650	3694	3746	3660	9.3	15.8	0.2	3.9	139	2.9	6.9
600	4356	4410	4321	5.8	13.0	0.0	-0.2	128	3.0	6.8
550	5069	5126	5029	2.0	7.6	-3.3	-4.1	115	3.2	6.9
500	5829	5893	5789	-2.1	5.0	-8.0	-8.7	105	3.5	6.9
450	6661	6736	6615	-6.7	0.4	-15.9	-14.0	097	4.0	7.1
400	7572	7653	7521	-12.1	-5.5	-19.1	-19.9	095	4.9	7.6
350	8581	8673	8521	-18.6	-12.1	-25.9	-26.7	093	6.2	8.3
300	9714	9817	9638	-26.6	-20.0	-36.5	-34.4	091	7.7	9.2
250	11005	11121	10907	-36.8	-29.1	-48.5	-43.7	088	9.9	11.1
200	12508	12646	12384	-49.8	-39.9	-63.7	-55.0	079	12.1	13.6
175	13367	13520	13217	-57.3	-45.3	-71.1		075	13.3	15.0
150	14322	14490	14148	-65.6	-50.9	-77.7		072	15.2	16.8
125	15407	15590	15204	-73.6	-58.1	-83.5		073	18.3	19.5
100	16694	16884	16468	-78.6	-65.5	-89.1		079	21.8	22.5
80	17974	18158	17689	-75.1	-59.0	-87.9		085	21.5	22.0
70	18758	18940	18450	-70.9	-55.0	-83.1		087	20.4	20.8
60	19685	19867	19340	-66.3	-51.9	-79.9		088	19.7	20.1
50	20807	21025	20449	-62.2	-47.9	-77.7		090	20.3	20.8
40	22202	22424	21816	-58.6	-45.9	-69.0		090	20.6	21.0
30	24035	24299	23670	-54.9	-41.9	-65.3		090	23.3	23.9
25	25207	25454	24715	-53.1	-39.1	-64.0		091	24.7	25.0
20	26663	26931	26098	-51.2	-35.7	-59.9		089	28.3	28.7
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
524	5440	5880	5040				103	16550	-79.9

NORMALS OF RADIOSONDE DATA

MONTH : SEPTEMBER TIME : 1730 IST STATION : KOLKATA

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1002	1004	1001	29.2	34.4	23.6	25.4	159	1.3	2.1
1000	24	39	12	29.0	33.4	21.0	25.1	168	1.5	2.4
950	471	494	424	26.1	32.4	20.2	22.0	177	3.4	5.7
925	713	730	698	25.0	29.4	20.8	20.9	183	3.5	6.2
900	956	971	944	23.1	29.0	11.0	19.1	181	3.3	6.1
850	1453	1468	1440	20.2	26.2	13.6	15.7	182	2.8	6.2
800	1975	1990	1961	17.3	25.0	11.0	12.3	184	2.3	6.2
750	2522	2543	2503	14.4	20.6	8.0	8.7	187	2.2	6.2
700	3105	3124	3089	11.3	21.0	4.0	5.0	190	2.1	6.2
650	3719	3742	3696	8.1	17.2	1.0	0.9	186	2.0	6.1
600	4378	4402	4355	4.6	11.0	-4.0	-2.9	180	1.9	5.9
550	5087	5126	5056	0.8	7.0	-10.5	-6.9	174	1.6	5.9
500	5844	5879	5811	-3.4	2.6	-11.9	-11.0	157	1.3	5.8
450	6672	6715	6631	-8.1	-2.1	-17.0	-16.0	141	1.3	5.8
400	7578	7628	7529	-13.5	-7.0	-21.3	-21.5	137	1.6	5.9
350	8581	8637	8518	-20.2	-12.3	-30.0	-28.2	130	2.0	6.2
300	9709	9765	9633	-28.4	-20.9	-37.5	-35.7	118	2.7	6.6
250	10989	11055	10893	-38.6	-28.0	-48.7	-44.9	106	3.4	7.4
200	12480	12545	12361	-51.6	-43.1	-62.5	-56.0	088	4.7	8.8
175	13332	13407	13201	-59.1	-50.9	-70.5		079	5.6	9.7
150	14280	14355	14146	-67.0	-57.7	-82.0		074	7.0	10.7
125	15358	15470	15198	-74.9	-65.9	-87.0		077	9.5	11.9
100	16637	16824	16442	-79.6	-67.0	-91.0		084	12.7	13.8
80	17910	18093	17688	-76.1	-60.0	-89.0		091	13.3	13.8
70	18696	18875	18445	-71.6	-56.0	-83.9		092	12.8	13.3
60	19616	19758	19382	-66.7	-57.9	-84.0		092	13.0	13.4
50	20730	20907	20487	-62.7	-51.7	-72.0		091	13.7	14.1
40	22113	22343	21829	-59.4	-50.1	-73.0		092	14.9	15.3
30	23928	24082	23583	-56.0	-45.9	-64.5		091	17.5	17.9
25	25081	25271	24746	-54.3	-47.3	-64.5		088	18.2	18.6
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
540	5230	5670	4810				103	16510	-80.8

NORMALS OF RADIOSONDE DATA

MONTH : OCTOBER TIME : 1730 IST STATION : KOLKATA

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1007	1011	1004	28.9	33.2	22.0	22.4	097	0.1	1.3
1000	66	100	42	28.5	32.8	21.0	22.4	034	0.1	2.2
950	511	556	464	25.4	31.6	17.8	18.3	026	0.2	4.3
925	756	790	741	24.2	29.8	17.2	17.8	063	0.4	4.2
900	994	1030	973	22.0	28.6	14.4	15.3	352	0.5	4.5
850	1489	1525	1469	18.8	29.8	12.0	11.6	319	0.7	4.8
800	2007	2043	1986	15.6	24.0	8.6	7.2	295	1.1	5.1
750	2550	2586	2523	12.6	20.2	5.0	3.5	273	1.8	5.6
700	3129	3161	3100	9.6	17.2	3.0	0.2	262	2.4	5.9
650	3740	3773	3712	6.5	14.0	-0.9	-2.9	257	3.2	6.3
600	4393	4427	4357	3.0	10.8	-5.0	-6.4	257	3.8	6.7
550	5096	5140	5060	-0.7	7.0	-10.0	-10.3	258	4.5	7.3
500	5850	5892	5803	-5.1	3.0	-14.0	-14.5	259	5.5	8.1
450	6671	6725	6622	-10.0	-1.0	-20.0	-19.6	258	6.5	9.1
400	7570	7621	7511	-15.8	-7.3	-26.0	-25.4	256	7.6	10.3
350	8564	8625	8496	-22.6	-12.3	-32.0	-31.7	255	8.8	11.3
300	9678	9750	9600	-30.9	-18.7	-40.9	-39.3	252	9.9	12.4
250	10946	11036	10849	-41.1	-28.0	-53.0	-48.7	252	10.7	13.4
200	12423	12532	12303	-53.4	-40.3	-66.0		248	10.7	14.2
175	13268	13389	13131	-60.5	-49.9	-72.0		246	10.3	14.1
150	14210	14343	14058	-68.0	-54.0	-80.0		244	8.6	12.7
125	15282	15440	15125	-75.3	-63.5	-86.0		239	6.1	10.8
100	16554	16755	16372	-79.8	-67.5	-90.0		214	2.2	8.1
80	17831	18090	17643	-76.1	-60.0	-86.0		115	2.5	6.5
70	18612	18885	18390	-71.8	-59.1	-82.0		107	3.1	5.9
60	19527	19818	19300	-67.0	-56.1	-78.0		103	4.1	6.2
50	20637	20944	20398	-62.9	-52.1	-73.1		093	5.6	7.0
40	22023	22352	21760	-59.4	-48.1	-68.0		088	7.6	8.5
30	23842	24259	23549	-55.8	-44.7	-68.0		092	9.3	10.2
25	24995	25412	24677	-54.0	-41.9	-61.1		090	9.8	10.9
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
559	4960	5340	4430				104	16370	-81.0

NORMALS OF RADIOSONDE DATA

MONTH : NOVEMBER TIME : 1730 IST STATION : KOLKATA

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1010	1012	1009	26.6	32.0	18.6	18.7	360	0.5	0.8
1000	96	113	82	26.0	31.4	18.0	17.5	351	1.8	2.6
950	537	560	503	22.9	30.0	16.2	12.5	354	2.7	4.2
925	777	792	766	21.5	27.2	15.4	11.4	356	2.9	4.2
900	1015	1030	999	19.2	26.0	12.4	9.8	352	2.7	4.2
850	1503	1521	1486	15.7	27.0	7.0	6.1	336	2.7	4.7
800	2016	2034	1998	13.0	22.4	3.8	1.8	313	3.1	5.4
750	2555	2578	2531	10.6	18.6	1.6	-1.9	295	4.2	6.3
700	3127	3147	3106	8.0	18.6	0.6	-4.8	286	5.7	7.6
650	3734	3754	3708	5.1	12.8	-2.5	-9.0	280	7.2	8.9
600	4384	4407	4358	1.7	7.8	-5.9	-12.5	278	8.7	10.3
550	5085	5122	5053	-2.3	8.0	-13.0	-16.7	276	10.2	11.7
500	5831	5867	5795	-7.0	3.2	-15.3	-20.4	275	11.9	13.5
450	6648	6701	6602	-12.3	-4.0	-22.0	-25.3	273	14.2	15.9
400	7536	7587	7482	-18.3	-9.9	-27.1	-30.5	271	17.0	18.8
350	8521	8577	8459	-25.1	-13.0	-35.5	-36.9	267	20.1	21.9
300	9623	9690	9551	-33.0	-25.0	-42.5	-44.1	263	23.2	25.1
250	10880	10953	10791	-42.8	-33.0	-53.3	-52.7	260	25.9	28.1
200	12347	12440	12238	-54.5	-44.0	-68.9		256	26.9	29.5
175	13188	13308	13071	-61.2	-51.9	-73.1		255	25.8	28.5
150	14127	14273	14017	-68.1	-56.9	-78.1		255	23.1	25.2
125	15201	15386	15088	-74.4	-64.1	-85.0		259	18.0	19.8
100	16484	16714	16291	-78.5	-70.0	-88.9		263	11.2	13.4
80	17758	17957	17551	-77.0	-60.0	-89.3		272	5.7	8.9
70	18529	18663	18360	-73.6	-55.9	-88.5		277	3.0	7.2
60	19439	19662	19218	-68.8	-53.5	-81.3		273	1.3	6.3
50	20546	20783	20312	-63.9	-49.3	-79.0		206	0.4	5.7
40	21928	22194	21703	-60.0	-50.1	-74.1		115	1.1	6.1
30	23746	24059	23539	-56.4	-48.1	-66.0		091	2.1	6.5
25	24890	25038	24634	-55.0	-44.7	-62.3				
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
579	4680	5060	3970				102	16380	-79.6

NORMALS OF RADIOSONDE DATA

MONTH : DECEMBER TIME : 1730 IST STATION : KOLKATA

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1013	1014	1010	23.3	29.0	16.6	14.3	352	0.5	0.7
1000	117	128	98	22.6	28.0	16.0	13.0	347	2.4	3.1
950	553	572	521	19.3	27.2	12.0	7.9	341	3.3	4.2
925	789	801	779	17.7	24.4	11.2	7.0	339	3.6	4.4
900	1023	1035	1006	15.5	21.8	9.0	4.9	332	3.8	4.7
850	1505	1518	1486	12.9	21.2	5.0	0.2	320	4.7	5.9
800	2013	2025	1993	11.2	20.6	4.6	-4.3	307	6.0	7.3
750	2550	2576	2527	9.5	17.2	0.6	-7.2	297	7.7	9.0
700	3119	3138	3097	7.1	14.8	-1.3	-9.5	291	9.4	10.7
650	3724	3744	3694	4.1	11.6	-6.9	-12.2	286	11.3	12.5
600	4371	4398	4347	0.5	8.0	-11.9	-15.6	282	13.1	14.3
550	5066	5113	5029	-3.8	4.2	-17.5	-19.0	279	15.1	16.3
500	5809	5847	5784	-8.6	-1.7	-22.1	-23.5	277	17.6	19.0
450	6619	6660	6581	-14.1	-6.3	-25.7	-28.0	274	20.5	22.0
400	7501	7552	7454	-20.2	-10.3	-32.7	-32.9	271	23.7	25.3
350	8479	8540	8420	-27.2	-17.3	-38.5	-38.4	270	27.0	28.8
300	9572	9644	9500	-35.0	-25.1	-46.0	-45.8	267	30.6	32.6
250	10819	10904	10717	-44.4	-34.1	-54.9	-53.7	262	34.2	36.5
200	12279	12378	12156	-55.2	-44.5	-67.7		257	35.8	38.1
175	13118	13203	12997	-61.1	-49.1	-74.3		256	34.7	37.0
150	14062	14150	13936	-66.8	-52.1	-82.1		258	31.5	33.3
125	15149	15233	15000	-72.0	-57.7	-86.1		260	26.1	27.6
100	16448	16615	16255	-76.5	-62.1	-86.7		263	18.9	20.4
80	17738	17939	17315	-76.4	-58.7	-86.3		270	12.3	14.3
70	18511	18715	18130	-73.9	-55.3	-84.3		274	9.3	11.4
60	19421	19603	19024	-69.9	-56.3	-81.0		275	5.9	9.0
50	20519	20732	20150	-65.0	-51.7	-80.0		280	3.5	7.3
40	21885	22145	21637	-61.0	-46.5	-74.0		268	3.5	7.5
30	23685	24034	23267	-57.6	-43.1	-69.7				
25	24819	25165	24372	-56.3	-42.9	-68.1				
20	26237	26524	26139	-54.3	-44.7	-65.9				
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
596	4430	4800	4100				099	16560	-78.0

NORMALS OF RADIOSONDE DATA

MONTH : JANUARY TIME : 1730 IST STATION : LUCKNOW

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1000	1002	998	19.2	27.0	9.0	10.8	284	1.0	1.7
1000	122	139	107	18.6	26.0	11.0	10.4	292	1.0	1.6
950	554	577	504	15.8	23.8	7.4	5.6	299	2.6	4.6
925	773	790	737	14.3	21.2	6.0	4.1	301	3.3	4.8
900	1016	1032	1000	12.7	22.8	4.0	1.2	301	3.6	5.4
850	1494	1513	1477	10.4	22.8	2.0	-3.0	297	4.9	6.5
800	1996	2016	1978	7.9	19.0	-2.7	-6.0	291	6.3	7.7
750	2521	2548	2489	5.2	15.8	-3.7	-8.6	288	8.0	9.4
700	3085	3112	3066	2.0	11.0	-8.0	-11.2	285	10.1	11.4
650	3675	3712	3638	-1.5	8.8	-12.0	-15.0	283	12.3	13.6
600	4312	4350	4286	-5.5	4.4	-15.0	-18.8	281	15.1	16.4
550	4994	5031	4954	-9.8	1.8	-20.0	-22.3	278	18.0	19.4
500	5720	5768	5687	-14.7	-3.3	-26.0	-26.6	277	21.7	23.1
450	6511	6561	6472	-20.1	-7.7	-31.0	-31.6	276	25.8	27.4
400	7374	7429	7321	-25.9	-12.3	-36.1	-36.9	275	31.0	32.9
350	8329	8396	8267	-32.3	-16.5	-44.3	-43.0	274	35.9	38.0
300	9402	9500	9299	-39.2	-24.5	-53.0	-49.3	272	40.6	43.0
250	10632	10770	10505	-46.5	-33.5	-61.7		270	45.6	48.2
200	12085	12248	11946	-54.5	-40.9	-67.3		269	47.6	50.1
175	12931	13103	12803	-58.7	-45.1	-73.3		268	45.8	48.2
150	13888	14082	13755	-63.0	-50.1	-75.3		269	42.8	45.2
125	14999	15184	14864	-67.6	-53.5	-82.0		268	38.8	40.9
100	16326	16533	16166	-71.5	-58.5	-83.1		270	31.5	33.7
80	17645	17872	17452	-71.5	-57.0	-83.3		272	24.4	26.7
70	18447	18730	18263	-70.1	-59.1	-83.3		273	19.7	23.1
60	19363	19627	19158	-67.2	-53.5	-79.1		275	19.0	22.0
50	20476	20753	20254	-63.7	-51.9	-73.9		277	16.4	20.6
40	21866	22205	21584	-60.6	-46.7	-70.0		276	16.9	20.1
30	23690	23991	23391	-57.7	-44.5	-72.3		276	17.5	21.6
25	24842	25145	24575	-56.1	-47.5	-71.0				
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
673	3410	3850	2920	212	11800	-59.2	100	16370	-73.4

NORMALS OF RADIOSONDE DATA

MONTH : FEBRUARY TIME : 1730 IST STATION : LUCKNOW

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	997	1000	993	22.8	32.0	14.0	12.0	293	1.5	2.5
1000	101	126	64	21.6	27.0	15.4	10.4	294	1.6	2.3
950	537	566	479	19.0	27.0	11.2	7.1	295	3.4	5.2
925	761	792	725	17.3	25.0	11.0	6.1	293	3.5	5.1
900	1005	1029	972	15.3	25.0	7.0	3.4	294	4.2	5.8
850	1486	1512	1456	12.2	22.0	2.0	-1.0	293	5.5	6.9
800	1991	2019	1962	9.3	22.2	-2.1	-4.5	291	7.2	8.5
750	2516	2552	2483	6.1	18.0	-4.1	-7.4	288	8.9	10.1
700	3084	3119	3057	2.6	14.0	-6.1	-10.4	285	10.7	11.9
650	3674	3722	3628	-1.1	10.8	-10.1	-14.0	283	12.6	14.0
600	4314	4365	4272	-5.1	9.2	-15.3	-17.8	281	15.2	16.6
550	4995	5060	4958	-9.6	4.2	-19.9	-21.7	280	17.7	19.1
500	5722	5799	5663	-14.4	-0.7	-28.1	-26.1	279	21.1	22.7
450	6516	6602	6445	-19.8	-6.3	-32.7	-31.0	277	24.7	26.5
400	7378	7476	7293	-25.5	-10.1	-39.1	-36.4	276	28.8	30.9
350	8336	8437	8233	-31.9	-17.5	-47.3	-42.3	275	32.7	35.1
300	9411	9526	9283	-38.7	-24.9	-52.3	-48.6	274	37.4	40.3
250	10643	10782	10480	-46.0	-32.5	-63.7		272	42.0	45.2
200	12098	12255	11899	-53.6	-41.3	-71.1		271	44.0	47.2
175	12949	13114	12721	-57.9	-44.7	-70.0		271	42.4	45.2
150	13911	14087	13649	-62.5	-48.1	-72.7		271	39.6	42.0
125	15022	15213	14738	-67.3	-50.9	-79.5		271	35.8	37.8
100	16353	16563	16033	-71.2	-59.3	-84.3		271	29.1	30.8
80	17670	17980	17337	-71.7	-59.7	-88.3		275	23.4	25.1
70	18469	18962	18141	-70.1	-57.9	-86.3		275	19.0	21.0
60	19388	19928	19033	-67.1	-54.5	-80.3		275	16.5	19.6
50	20505	21088	20102	-63.1	-50.1	-76.0		275	15.0	18.1
40	21892	22531	21456	-59.3	-45.1	-75.0		275	14.6	18.6
30	23722	24419	23270	-55.9	-37.7	-68.0				
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
666	3490	4390	2930	225	11380	-56.9	98	16570	-73.4

NORMALS OF RADIOSONDE DATA

MONTH : MARCH TIME : 1730 IST STATION : LUCKNOW

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	994	996	991	29.0	39.0	14.0	13.9	294	2.4	3.2
1000	70	88	42							
950	517	554	460	25.0	35.0	12.0	8.4	297	4.8	6.2
925	745	771	719	22.8	31.8	13.4	6.5	295	5.3	6.4
900	992	1008	970	21.0	30.6	7.2	5.1	295	5.5	6.8
850	1482	1500	1464	17.1	26.2	4.4	1.8	293	6.4	7.6
800	1995	2016	1974	13.3	25.0	0.0	-1.5	292	7.7	8.7
750	2523	2557	2491	9.5	20.0	-3.1	-5.2	289	9.2	10.4
700	3102	3130	3072	5.6	16.0	-6.3	-8.9	286	10.8	11.9
650	3694	3740	3649	1.5	12.6	-9.3	-12.5	284	12.3	13.5
600	4342	4380	4304	-2.8	8.2	-12.7	-16.4	282	14.3	15.5
550	5030	5072	4980	-7.5	4.2	-19.1	-20.5	281	16.0	17.4
500	5761	5808	5708	-12.6	-2.1	-24.7	-24.8	280	18.1	19.6
450	6558	6618	6496	-18.2	-6.7	-30.9	-30.3	278	20.7	22.3
400	7427	7492	7354	-24.4	-10.1	-37.3	-36.0	276	23.4	25.3
350	8387	8467	8304	-31.3	-18.1	-46.0	-42.3	275	26.5	28.9
300	9464	9540	9355	-38.7	-22.9	-51.7	-49.2	275	30.0	32.9
250	10697	10782	10550	-46.3	-30.1	-61.1		272	34.2	37.5
200	12156	12275	11970	-53.5	-39.5	-69.9		270	36.0	39.0
175	13008	13131	12793	-57.3	-43.9	-71.7		271	35.2	37.9
150	13971	14111	13747	-61.6	-47.0	-75.5		272	33.9	36.2
125	15083	15263	14848	-66.5	-50.1	-80.0		271	29.7	31.8
100	16419	16630	16158	-70.8	-54.5	-82.3		272	24.5	26.4
80	17744	18021	17429	-71.4	-54.3	-84.5		276	18.2	20.1
70	18542	18800	18230	-69.7	-52.5	-85.1		278	14.4	17.2
60	19468	19752	19118	-66.8	-49.7	-79.5		278	12.1	15.5
50	20593	20900	20211	-62.9	-50.1	-75.3		280	10.0	13.4
40	21990	22301	21629	-58.7	-46.5	-73.7		276	9.1	12.6
30	23814	24015	23482	-54.6	-42.5	-71.5				
25	24973	25220	24741	-52.6	-40.3	-69.7				
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
633	3920	4440	3370	231	11270	-55.3	96	16740	-73

NORMALS OF RADIOSONDE DATA

MONTH : APRIL TIME : 1730 IST STATION : LUCKNOW

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	989	992	987	34.9	42.0	18.0	15.2	299	2.6	3.7
1000	26	48	8							
950	481	501	456	31.5	41.8	17.4	10.2	300	5.0	6.7
925	720	738	685	29.8	40.8	20.0	7.4	297	4.7	6.4
900	967	987	950	27.4	39.2	15.2	7.0	295	5.7	7.0
850	1468	1485	1453	23.1	36.0	12.0	4.3	290	6.6	7.5
800	1991	2008	1971	18.6	31.8	7.0	1.5	288	7.4	8.3
750	2527	2556	2496	13.8	25.6	2.0	-1.6	287	8.7	9.5
700	3115	3140	3090	9.1	19.6	-3.3	-5.1	286	10.1	10.9
650	3714	3753	3683	4.5	15.0	-7.1	-9.4	285	11.4	12.4
600	4369	4410	4340	0.0	11.6	-10.5	-13.7	285	12.7	13.8
550	5062	5110	5025	-4.8	6.0	-17.1	-18.6	285	13.8	14.9
500	5802	5861	5760	-10.0	-0.3	-21.5	-23.4	285	14.9	16.2
450	6606	6677	6560	-15.7	-6.1	-28.1	-28.2	283	16.4	17.9
400	7484	7565	7426	-22.3	-8.7	-36.1	-34.3	281	18.0	19.9
350	8452	8542	8391	-29.3	-13.9	-45.7	-40.6	280	20.3	22.7
300	9537	9651	9456	-36.9	-22.7	-54.1	-47.9	277	23.6	26.4
250	10779	10922	10685	-44.6	-32.7	-58.1		275	27.2	30.5
200	12247	12430	12129	-52.4	-37.7	-70.1		272	29.8	32.9
175	13104	13298	12964	-56.7	-40.5	-72.3		271	29.2	32.0
150	14071	14273	13907	-61.4	-46.5	-73.9		272	26.6	29.0
125	15186	15389	14991	-66.6	-50.0	-78.7		272	22.6	24.7
100	16522	16715	16270	-71.3	-55.0	-86.3		274	16.7	19.0
80	17836	18010	17536	-72.1	-55.9	-84.1		275	10.0	13.5
70	18635	18818	18334	-70.2	-54.5	-84.5		277	6.1	11.1
60	19566	19804	19206	-66.6	-51.5	-81.0		284	4.3	10.1
50	20700	20947	20382	-61.6	-45.7	-76.5		269	2.9	8.2
40	22117	22367	21747	-56.3	-43.9	-72.3		282	2.0	8.1
30	23976	24269	23583	-51.7	-41.1	-70.0				
25	25183	25467	24640	-49.2	-39.7	-71.0				
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
601	4350	5000	3930				94	16960	-73.3

NORMALS OF RADIOSONDE DATA

MONTH : MAY TIME : 1730 IST STATION : LUCKNOW

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	986	990	983	37.2	43.4	23.0	18.3	309	1.5	3.0
1000	16	37	0							
950	449	491	420	34.1	42.2	21.0	14.9	313	3.2	6.0
925	688	702	662	32.5	41.6	21.6	13.2	311	3.6	5.9
900	939	976	920	30.0	39.6	17.8	11.7	304	3.9	6.2
850	1445	1478	1428	25.9	35.8	14.6	9.1	295	5.2	6.7
800	1973	2003	1958	21.5	32.2	11.6	5.8	291	6.9	7.9
750	2517	2556	2483	16.9	26.2	5.6	2.1	291	8.7	9.5
700	3109	3145	3085	12.1	21.6	3.0	-1.8	292	9.9	10.8
650	3715	3765	3682	7.3	17.8	-1.7	-6.2	292	11.0	12.0
600	4375	4425	4339	2.6	13.8	-5.3	-11.0	292	11.7	12.8
550	5080	5129	5029	-1.9	10.2	-11.1	-16.1	292	11.9	13.1
500	5824	5887	5776	-6.7	2.4	-17.1	-21.0	290	12.2	13.4
450	6642	6709	6588	-11.9	0.2	-22.9	-26.2	289	12.8	14.3
400	7532	7608	7464	-17.8	-4.1	-29.9	-32.0	284	14.1	16.0
350	8520	8602	8444	-24.5	-11.1	-38.5	-38.4	279	15.9	18.2
300	9625	9721	9534	-31.8	-18.5	-48.0	-45.4	275	18.0	20.6
250	10893	11011	10780	-40.3	-25.1	-55.5	-52.7	269	20.3	23.0
200	12383	12527	12245	-50.2	-34.7	-66.0		265	21.1	23.5
175	13247	13400	13106	-55.8	-43.1	-69.1		264	20.6	22.9
150	14216	14371	14058	-61.9	-49.9	-76.1		263	18.2	20.5
125	15326	15498	15143	-68.2	-54.7	-81.0		263	14.0	16.1
100	16646	16830	16424	-73.8	-58.1	-85.5		259	7.7	11.7
80	17949	18156	17689	-73.9	-53.3	-88.1		245	2.5	9.1
70	18743	18966	18471	-70.8	-48.1	-88.1		196	1.1	8.5
60	19668	19902	19420	-66.0	-44.1	-85.9		141	1.5	7.8
50	20792	21030	20511	-60.4	-46.5	-82.0		103	2.2	7.3
40	22204	22467	21893	-55.2	-40.5	-73.0		103	3.1	7.8
30	24095	24337	23622	-50.1	-37.7	-59.0		092	2.8	7.2
25	25314	25721	24789	-47.9	-36.5	-59.1		089	2.8	7.4
20	26796	27061	26466	-45.5	-33.1	-53.7				
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
570	4790	5330	4340				95	16980	-75.8

NORMALS OF RADIOSONDE DATA

MONTH : JUNE TIME : 1730 IST STATION : LUCKNOW

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	982	984	980	35.6	44.6	23.0	23.0	350	0.7	2.7
1000	41	58	19							
950	420	460	392	33.0	43.0	21.2	20.4	346	1.5	5.6
925	660	686	633	31.4	41.4	22.8	18.8	342	1.6	5.8
900	906	929	882	29.2	40.0	19.4	17.5	327	1.9	5.7
850	1411	1434	1384	25.3	38.0	15.6	14.7	308	2.6	6.2
800	1939	1963	1910	21.5	32.4	14.6	11.6	304	3.7	7.0
750	2491	2519	2461	17.6	27.0	8.0	8.2	303	4.8	7.8
700	3079	3109	3048	13.6	23.0	5.0	3.9	301	5.5	8.5
650	3696	3734	3659	9.5	21.0	2.2	-0.8	301	5.9	8.8
600	4357	4396	4324	5.3	14.6	-2.3	-5.2	300	6.1	8.9
550	5075	5120	5030	1.3	11.6	-6.3	-9.2	297	5.8	8.7
500	5824	5875	5785	-2.6	8.0	-12.1	-13.2	290	5.5	8.6
450	6663	6728	6615	-7.0	4.0	-18.3	-18.1	283	5.5	8.7
400	7564	7625	7510	-12.0	-0.7	-23.7	-23.3	276	6.0	9.5
350	8575	8646	8518	-18.2	-6.3	-30.5	-29.6	269	6.4	10.1
300	9710	9787	9638	-26.0	-14.3	-40.1	-36.6	262	6.4	10.3
250	11006	11096	10911	-35.7	-24.1	-51.5	-46.0	256	5.8	10.5
200	12520	12628	12394	-47.6	-37.1	-64.9		246	4.8	10.5
175	13390	13512	13240	-54.5	-41.9	-72.1		242	3.8	10.3
150	14360	14508	14192	-61.9	-49.1	-78.1		227	2.2	9.9
125	15468	15637	15274	-69.7	-56.1	-81.1		138	1.4	9.3
100	16774	16961	16559	-76.2	-57.7	-87.9		097	4.5	9.4
80	18067	18281	17805	-75.6	-52.1	-89.0		095	8.3	10.5
70	18863	19093	18599	-71.8	-48.9	-89.5		095	9.9	11.3
60	19778	20042	19502	-66.2	-50.1	-84.0		094	10.8	12.0
50	20903	21210	20624	-60.2	-33.9	-75.1		091	11.8	12.5
40	22314	22701	21982	-55.1	-35.9	-70.0		092	12.3	12.8
30	24179	24509	23835	-50.3	-38.5	-60.5		092	12.9	13.5
25	25371	25842	24940	-48.2	-39.9	-57.3		090	13.7	14.4
20	26885	27344	26534	-46.3	-35.7	-69.1				
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
532	5330	5790	4930				95	17120	-78.2

NORMALS OF RADIOSONDE DATA

MONTH : JULY TIME : 1730 IST STATION : LUCKNOW

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	982	984	981	31.5	41.0	22.6	25.9	095	0.6	2.4
1000	37	53	21							
950	416	435	384	29.2	40.4	21.2	23.8	102	1.1	5.5
925	655	672	635	28.2	40.2	22.6	22.4	094	1.2	5.7
900	900	915	882	25.9	37.2	17.0	20.9	106	0.8	6.0
850	1401	1420	1381	22.7	35.2	14.0	18.1	130	0.4	6.8
800	1926	1950	1905	19.5	31.2	13.0	15.1	216	0.1	7.1
750	2479	2509	2451	16.5	26.6	10.6	11.6	285	0.3	7.3
700	3062	3099	3039	13.3	21.2	5.4	7.7	332	0.3	7.4
650	3682	3723	3660	10.1	17.0	2.0	3.3	046	0.5	7.0
600	4344	4390	4310	6.6	14.2	-1.5	-0.9	055	0.7	6.9
550	5066	5113	5026	2.9	11.4	-7.1	-4.9	069	0.9	6.5
500	5819	5879	5773	-1.1	6.2	-9.9	-9.2	085	1.3	6.4
450	6661	6722	6613	-5.6	2.2	-16.3	-14.1	098	1.4	6.3
400	7568	7647	7506	-10.8	-2.5	-24.1	-19.5	098	1.8	6.4
350	8583	8674	8507	-17.1	-8.7	-31.1	-26.0	097	2.7	6.8
300	9725	9828	9635	-25.0	-14.1	-35.9	-33.8	095	3.9	7.4
250	11027	11148	10920	-35.0	-24.7	-45.1	-42.9	094	5.2	8.3
200	12544	12694	12410	-47.4	-35.1	-59.9		094	6.4	9.5
175	13415	13580	13253	-54.8	-42.1	-68.7		091	7.3	10.5
150	14384	14568	14201	-62.7	-47.7	-76.1		088	8.9	11.8
125	15484	15691	15288	-71.1	-50.0	-85.9		086	11.6	14.0
100	16782	17008	16541	-77.6	-62.5	-89.5		086	14.8	15.9
80	18065	18339	17802	-75.5	-55.0	-88.9		090	16.6	17.4
70	18858	19123	18562	-71.3	-53.5	-85.1		091	16.9	17.8
60	19772	20051	19463	-65.9	-47.9	-83.0		090	17.0	17.6
50	20898	21214	20586	-60.6	-43.1	-76.7		092	17.7	18.3
40	22304	22659	21919	-56.4	-39.5	-72.1		093	18.3	18.7
30	24166	24575	23774	-52.2	-36.1	-65.1		092	19.9	20.3
25	25354	25835	24956	-50.2	-37.9	-61.3		092	20.6	21.3
20	26879	27341	26377	-47.7	-32.5	-58.9				
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
514	5610	6220	5110				97	16980	-79.5

NORMALS OF RADIOSONDE DATA

MONTH : AUGUST TIME : 1730 IST STATION : LUCKNOW

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	984	986	983	30.7	40.0	24.0	25.9	093	0.7	2.2
1000	20	36	5							
950	430	449	395	28.4	37.0	22.0	23.5	094	1.6	5.3
925	671	686	649	27.4	36.2	20.4	22.2	088	0.9	5.0
900	914	931	894	25.1	35.0	18.8	20.8	102	1.7	5.9
850	1413	1433	1394	21.9	32.0	14.8	17.7	108	1.7	6.5
800	1937	1961	1917	18.9	30.0	12.0	14.5	106	1.8	6.9
750	2488	2516	2462	15.9	26.6	8.0	10.9	102	1.9	6.9
700	3071	3108	3044	12.8	21.6	5.0	6.9	098	1.9	6.7
650	3691	3731	3651	9.7	22.8	3.2	2.7	095	2.1	6.6
600	4351	4396	4312	6.2	15.0	-3.0	-1.3	098	2.2	6.3
550	5072	5115	5031	2.5	10.0	-5.3	-5.2	102	2.3	6.3
500	5824	5877	5777	-1.6	6.8	-10.1	-9.8	101	2.5	6.0
450	6666	6716	6613	-6.2	3.6	-17.1	-15.0	103	2.7	6.1
400	7571	7634	7510	-11.6	-3.5	-23.1	-20.6	102	2.5	6.0
350	8581	8654	8496	-18.0	-9.1	-27.1	-27.4	100	3.2	6.6
300	9720	9804	9638	-26.0	-17.5	-36.9	-34.8	099	4.2	7.1
250	11014	11116	10912	-36.1	-25.3	-48.7	-43.8	096	5.2	8.1
200	12526	12648	12393	-48.7	-35.1	-63.1		092	6.4	9.4
175	13390	13526	13235	-56.1	-39.9	-72.1		090	7.1	10.2
150	14350	14503	14154	-64.2	-48.9	-79.1		088	8.3	11.1
125	15446	15615	15218	-72.2	-51.7	-86.1		087	10.6	12.7
100	16744	16976	16450	-77.5	-64.1	-89.5		090	13.7	14.8
80	18034	18368	17710	-74.3	-54.7	-86.7		094	15.3	16.0
70	18834	19110	18502	-69.9	-53.1	-82.0		092	15.1	15.8
60	19753	20055	19350	-65.1	-50.7	-80.0		091	16.1	16.6
50	20873	21197	20505	-60.7	-43.7	-77.0		093	17.0	17.5
40	22270	22643	21903	-56.7	-41.3	-72.0		094	18.3	18.8
30	24105	24513	23747	-52.8	-41.1	-66.0		094	20.0	20.4
25	25297	25723	24880	-51.0	-40.1	-64.0				
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
519	5530	6000	5140				100	16750	-79.1

NORMALS OF RADIOSONDE DATA

MONTH : SEPTEMBER TIME : 1730 IST STATION : LUCKNOW

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	988	990	987	30.2	37.0	20.0	24.4	030	0.4	2.5
1000	16	35	2							
950	463	486	426	27.7	35.4	17.8	21.6	031	1.1	5.2
925	695	718	644	26.4	32.8	21.0	19.6	044	1.3	5.2
900	948	965	932	24.3	33.6	15.2	18.5	021	1.0	5.8
850	1446	1467	1426	21.0	32.0	14.0	15.3	353	1.1	6.4
800	1968	1995	1944	17.9	29.8	11.2	11.3	341	1.3	6.7
750	2510	2549	2479	14.7	24.8	7.4	7.2	339	1.4	6.6
700	3096	3132	3061	11.3	21.0	5.2	3.0	336	1.3	6.4
650	3709	3753	3658	7.9	16.8	0.6	-1.1	337	1.2	6.3
600	4367	4409	4321	4.5	13.8	-4.9	-4.9	321	1.0	5.9
550	5081	5125	5022	0.9	10.2	-10.7	-8.9	292	1.4	6.3
500	5832	5880	5772	-3.2	4.2	-13.5	-13.4	277	2.3	6.4
450	6665	6733	6597	-8.0	-0.3	-17.5	-18.1	268	3.2	6.8
400	7566	7621	7493	-13.5	-4.7	-21.9	-23.7	259	4.1	7.5
350	8569	8631	8484	-20.2	-11.3	-30.1	-30.1	252	4.8	7.9
300	9697	9759	9605	-28.3	-19.1	-38.1	-37.9	247	5.3	8.6
250	10979	11052	10866	-38.3	-27.1	-50.1	-47.1	241	5.8	9.3
200	12477	12575	12334	-50.6	-35.5	-65.0		235	5.3	10.0
175	13336	13442	13167	-57.7	-39.1	-72.1		232	4.4	10.0
150	14294	14411	14092	-65.3	-42.3	-80.0		221	3.2	9.2
125	15386	15522	15097	-72.5	-55.1	-87.0		172	1.7	8.4
100	16682	16860	16347	-77.3	-63.1	-90.1		114	3.5	8.1
80	17980	18165	17650	-73.3	-55.5	-86.9		103	5.7	8.1
70	18786	18991	18428	-69.0	-54.5	-84.0		099	6.6	8.6
60	19707	19943	19335	-64.2	-47.7	-78.9		094	7.8	9.1
50	20842	21067	20476	-60.0	-43.9	-74.0		094	9.2	10.2
40	22256	22487	21880	-56.1	-41.9	-66.3		094	10.5	11.2
30	24114	24342	23541	-52.7	-39.7	-64.3		095	11.3	12.0
25	25295	25601	24828	-50.5	-38.7	-61.9		093	12.1	12.7
20	26774	27140	26433	-48.4	-38.3	-59.1				
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
540	5230	5710	4710				102	16590	-78.8

NORMALS OF RADIOSONDE DATA

MONTH : OCTOBER TIME : 1730 IST STATION : LUCKNOW

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	994	998	991	28.8	37.4	20.0	20.1	321	0.4	1.1
1000	68	106	40							
950	512	544	433	26.0	33.2	17.4	14.6	323	1.9	3.9
925	741	776	693	24.5	31.6	16.4	12.1	324	2.0	3.7
900	994	1030	971	22.3	31.0	13.6	11.1	314	2.4	4.2
850	1487	1519	1466	18.6	27.6	8.8	7.4	313	3.2	4.8
800	2004	2033	1981	15.1	25.0	5.4	3.1	312	3.8	5.6
750	2538	2569	2501	11.6	22.6	3.4	-1.5	310	4.1	6.1
700	3119	3140	3085	8.2	19.4	0.2	-5.5	306	4.5	6.5
650	3723	3757	3681	4.8	14.6	-3.9	-9.0	299	4.8	6.7
600	4375	4407	4329	1.2	11.0	-7.9	-12.1	291	6.1	7.9
550	5077	5111	5032	-2.7	7.0	-13.1	-16.0	285	7.4	9.1
500	5818	5862	5760	-7.3	3.0	-17.5	-20.3	280	9.3	11.0
450	6635	6687	6575	-12.5	-2.0	-24.3	-24.4	275	11.5	13.3
400	7522	7572	7458	-18.3	-8.7	-31.7	-30.0	270	14.1	16.0
350	8507	8565	8428	-25.0	-12.7	-39.9	-36.3	267	17.2	19.3
300	9611	9683	9507	-32.8	-21.1	-49.7	-43.6	263	20.0	21.9
250	10871	10968	10742	-42.0	-27.3	-58.7	-51.8	262	22.7	24.6
200	12347	12471	12191	-53.1	-36.3	-66.1		260	23.5	25.4
175	13198	13337	13024	-59.4	-41.9	-72.0		260	22.6	24.5
150	14152	14335	13946	-65.8	-46.7	-80.7		259	20.3	22.0
125	15245	15463	15020	-72.0	-51.9	-89.5		258	15.9	17.8
100	16543	16779	16283	-76.1	-62.9	-90.1		258	9.8	12.7
80	17842	18095	17544	-72.8	-56.0	-87.0		260	4.1	8.8
70	18644	18886	18341	-68.9	-50.1	-82.0		274	1.7	7.9
60	19568	19862	19266	-64.7	-49.9	-77.1		237	0.8	7.4
50	20690	21047	20318	-60.8	-46.5	-70.9		078	0.4	7.2
40	22094	22468	21733	-57.4	-44.1	-80.0		106	1.9	7.1
30	23917	24366	23531	-54.0	-38.9	-63.3		104	0.6	8.6
25	25092	25460	24697	-52.7	-41.7	-61.1				
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
584	4600	5090	3680				103	16390	-77.3

NORMALS OF RADIOSONDE DATA

MONTH : NOVEMBER TIME : 1730 IST STATION : LUCKNOW

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	998	1000	996	24.3	31.0	16.4	14.6	303	0.6	0.9
1000	105	142	88	23.0	28.0	16.8	13.1	314	0.6	0.9
950	546	581	508	21.8	29.2	11.2	8.2	310	2.6	4.0
925	764	790	712	20.2	27.4	11.0	5.9	310	2.6	3.9
900	1016	1045	1003	18.1	25.8	9.0	4.9	307	3.1	4.3
850	1502	1525	1486	14.5	21.2	6.0	1.0	309	3.8	5.0
800	2011	2032	1992	11.6	18.6	1.0	-3.4	308	4.6	5.8
750	2541	2571	2511	8.9	17.6	-1.0	-7.4	304	5.3	6.8
700	3115	3137	3086	5.8	17.0	-4.1	-10.2	299	6.3	7.8
650	3714	3747	3679	2.5	11.2	-8.1	-13.7	295	7.8	9.1
600	4360	4386	4319	-1.2	8.0	-11.5	-17.2	291	9.8	11.1
550	5053	5090	5018	-5.6	6.6	-18.0	-20.6	287	11.8	13.3
500	5789	5819	5734	-10.5	-1.9	-23.0	-24.7	284	14.4	15.8
450	6592	6630	6531	-16.0	-6.7	-28.7	-29.0	280	17.5	19.2
400	7470	7520	7395	-22.2	-9.5	-34.9	-34.2	277	20.9	22.8
350	8438	8511	8359	-29.0	-15.9	-42.7	-40.4	275	25.0	27.2
300	9525	9605	9422	-36.5	-24.1	-51.3	-47.0	272	29.4	31.7
250	10770	10858	10635	-44.8	-33.1	-59.7		270	33.1	35.5
200	12232	12328	12072	-54.5	-44.0	-67.5		267	35.3	37.8
175	13079	13179	12896	-59.5	-45.1	-72.5		266	34.5	36.9
150	14032	14137	13811	-64.9	-52.5	-81.1		266	32.2	34.2
125	15129	15246	14878	-70.1	-56.7	-86.3		267	27.7	29.3
100	16440	16565	16145	-74.2	-59.9	-90.7		269	21.6	23.3
80	17738	17890	17445	-73.7	-56.5	-87.9		271	14.4	16.7
70	18525	18692	18230	-71.3	-57.7	-83.1		271	11.2	14.8
60	19437	19661	18968	-67.6	-49.5	-80.0		271	8.1	12.7
50	20548	20795	20247	-63.5	-51.1	-77.1		271	7.2	12.4
40	21933	22222	21605	-59.7	-49.1	-74.5		274	6.0	11.5
30	23754	24086	23287	-56.5	-45.3	-70.1		276	5.7	12.2
25	24919	25176	24522	-55.2	-45.1	-68.1				
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
617	4140	4640	3540				99	16520	-75.7

NORMALS OF RADIOSONDE DATA

MONTH : DECEMBER TIME : 1730 IST STATION : LUCKNOW

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1001	1007	998	20.2	26.0	11.0	11.7	290	0.9	1.2
1000	126	183	103	19.8	27.0	10.8	11.2	299	1.0	1.4
950	558	619	524	17.4	25.8	9.2	5.7	299	3.0	4.3
925	781	801	751	16.0	25.0	8.2	3.4	300	3.1	4.1
900	1025	1080	1005	14.2	23.2	5.8	1.4	303	3.8	5.0
850	1504	1560	1487	11.7	21.2	1.0	-3.0	306	4.9	6.2
800	2009	2063	1993	9.5	19.2	0.6	-6.3	304	6.2	7.4
750	2538	2600	2511	7.1	17.0	-3.5	-8.7	299	7.4	8.8
700	3106	3154	3088	4.1	13.6	-7.0	-11.7	295	8.9	10.2
650	3703	3730	3674	0.6	11.6	-8.1	-14.6	291	10.6	11.8
600	4342	4382	4311	-3.2	7.0	-12.1	-17.7	287	12.9	14.1
550	5030	5082	4985	-7.6	1.4	-18.3	-21.3	283	15.6	16.9
500	5760	5804	5713	-12.6	-2.5	-24.5	-25.5	282	18.5	19.8
450	6558	6616	6500	-18.2	-4.9	-28.0	-30.4	280	22.2	23.6
400	7426	7490	7356	-24.4	-15.7	-40.0	-35.7	277	26.2	27.8
350	8388	8475	8299	-31.1	-21.3	-42.7	-41.3	274	30.9	32.6
300	9464	9553	9360	-38.7	-27.3	-51.3	-47.5	273	35.6	37.5
250	10695	10807	10567	-46.9	-35.5	-60.5		270	40.3	42.5
200	12145	12274	11988	-55.8	-40.9	-68.1		268	41.6	43.5
175	12987	13129	12812	-60.2	-48.5	-71.5		267	40.9	42.8
150	13938	14085	13746	-64.3	-52.1	-76.1		267	38.8	40.2
125	15042	15187	14824	-68.6	-55.3	-83.1		267	33.9	35.5
100	16365	16517	16117	-72.7	-60.7	-95.1		270	28.0	29.4
80	17676	17878	17407	-72.6	-57.3	-86.0		272	20.1	21.9
70	18473	18705	18197	-70.9	-55.1	-87.0		273	17.5	19.5
60	19387	19667	19087	-68.1	-50.7	-80.3		274	16.5	18.4
50	20495	20814	20173	-64.6	-50.1	-75.3		278	14.4	16.9
40	21876	22228	21526	-60.9	-49.9	-76.3		277	11.3	16.8
30	23674	24077	23315	-57.5	-46.5	-73.7		278	12.7	17.6
25	24827	25170	24513	-56.0	-43.3	-72.5				
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
643	3810	4330	3300				99	16510	-74.2

NORMALS OF RADIOSONDE DATA

MONTH : JANUARY TIME : 1730 IST STATION : MACHILIPATNAM

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1012	1014	1011	26.3	30	18.2	19.4	116	2.6	3.3
1000	114	133	103	25.3	29.6	14.6	18.4	119	3.4	4.2
950	555	576	520	21.5	28.8	14.4	14.4	100	3.3	4.4
925	790	810	782	20.2	28.2	14.0	12.3	084	2.8	4.2
900	1028	1045	1016	18.6	27.8	11.6	9.4	067	3.1	4.5
850	1517	1532	1503	15.9	28.0	8.6	4.1	045	3.4	5.2
800	2030	2045	2015	13.7	25.0	6.4	-1.3	032	3.2	5.6
750	2571	2588	2555	11.7	21.2	3.8	-4.1	014	2.6	5.8
700	3145	3164	3130	9.4	19.0	2.0	-8.5	347	2.4	5.8
650	3754	3777	3737	6.4	14.4	-1.7	-11.2	312	3.0	6.2
600	4407	4432	4384	3.0	9.2	-4.7	-14.1	296	4.1	7.0
550	5108	5134	5077	-1.1	4.8	-8.7	-17.2	289	5.0	7.9
500	5859	5893	5826	-5.6	0.2	-14.9	-20.3	284	6.2	8.7
450	6678	6716	6638	-10.7	-4.1	-21.5	-24.5	282	8.0	10.6
400	7574	7617	7530	-16.4	-8.5	-27.1	-29.9	280	9.7	12.2
350	8564	8611	8516	-23.2	-13.5	-35.3		276	12.1	14.3
300	9677	9723	9618	-31.2	-20.1	-43.7		270	13.7	15.7
250	10943	11012	10870	-41.0	-27.5	-55.1		259	15.2	17.6
200	12423	12523	12335	-52.4	-36.5	-63.7		254	15.6	18.5
175	13273	13396	13177	-59.1	-40.5	-74.1		251	15.1	18.3
150	14223	14360	14120	-65.6	-46.7	-76.1		251	13.7	16.9
125	15302	15525	15203	-71.9	-54.1	-81.9		253	10.8	14.7
100	16595	16949	16508	-76.9	-68.1	-88.5		256	6.0	10.6
80	17879	18259	17781	-75.4	-59.9	-84.9		269	4.1	8.0
70	18663	19075	18546	-72.4	-60.1	-81.1		277	3.8	7.3
60	19574	19960	19469	-68.0	-55.7	-79.3		279	2.9	6.8
50	20685	21033	20568	-63.2	-51.1	-76.5		271	1.4	6.8
40	22072	22400	21903	-59.0	-48.1	-72.1		164	0.4	7.5
30	23914	24190	23531	-55.0	-45.7	-67.1		106	1.2	8.8
25	25091	25436	24682	-52.9	-41.3	-65.9				
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
563	4920	5250	4480				100	16610	-78.5

NORMALS OF RADIOSONDE DATA

MONTH : FEBRUARY TIME : 1730 IST STATION : MACHILIPATNAM

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1011	1013	1009	27.8	31.6	23.2	21.0	149	3.0	3.6
1000	101	117	89	26.8	30.8	21.2	20.2	148	4.0	4.6
950	544	563	511	23.3	31.0	17.6	15.7	145	3.6	4.9
925	782	796	769	22.1	29.6	16.6	14.3	133	2.5	4.6
900	1022	1038	1007	21.0	29.4	13.8	9.9	124	1.8	4.5
850	1514	1527	1497	18.3	26.0	9.8	5.5	069	1.3	5.0
800	2031	2043	2012	15.1	23.4	6.0	2.5	010	1.8	5.4
750	2573	2586	2553	12.0	19.2	3.6	-1.8	345	2.7	5.9
700	3148	3165	3125	9.2	15.6	0.4	-6.7	321	3.4	6.4
650	3758	3778	3734	6.3	13.6	-2.3	-11.2	301	4.4	7.2
600	4411	4435	4384	3.0	11.2	-5.7	-13.3	290	5.6	8.3
550	5113	5143	5082	-0.9	7.8	-11.3	-17.1	286	7.1	9.6
500	5863	5891	5829	-5.5	2.2	-17.1	-19.7	284	8.4	10.6
450	6684	6726	6633	-10.6	-1.1	-22.3		282	9.9	12.2
400	7578	7607	7496	-16.3	-3.9	-28.9		280	12.0	14.4
350	8570	8604	8454	-22.8	-10.3	-36.9		278	14.7	17.2
300	9687	9725	9528	-30.3	-19.1	-48.9		271	16.4	19.1
250	10959	11016	10777	-39.9	-29.7	-50.5		265	17.5	20.2
200	12448	12534	12217	-51.1	-38.9	-61.1		261	16.4	19.2
175	13302	13408	13049	-57.5	-43.5	-68.9		259	15.7	18.8
150	14257	14376	14025	-64.4	-48.1	-75.9		256	14.0	17.7
125	15348	15501	15071	-70.9	-54.9	-84.1		256	10.2	14.2
100	16650	16838	16308	-75.8	-62.1	-89.7		266	5.8	10.1
80	17947	18203	17528	-74.7	-58.9	-89.5		281	4.3	8.7
70	18724	19012	18263	-71.8	-55.1	-86.1		276	4.0	7.6
60	19646	19943	19138	-67.5	-51.1	-77.7		270	4.7	7.2
50	20757	21083	20202	-62.3	-45.7	-72.1		261	3.5	6.8
40	22164	22515	21535	-58.3	-41.5	-70.1		246	2.4	7.8
30	24003	24396	23800	-54.6	-44.3	-67.9		252	1.0	9.2
25	25180	25560	24912	-52.4	-44.1	-67.3		233	0.2	9.6
20	26619	27078	26418	-50.0	-40.3	-57.1				
15	28479	29068	28301	-47.1	-36.1	-56.3				
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
562	4940	5220	4400				99	16740	-77.5

NORMALS OF RADIOSONDE DATA

MONTH : MARCH TIME : 1730 IST STATION : MACHILIPATNAM

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1008	1009	1005	29.6	35.0	22.6	22.3	168	3.6	4.0
1000	81	92	58	28.9	34.0	23.2	22.0	168	4.3	4.8
950	528	546	501	25.7	32.6	18.0	16.6	175	4.1	5.0
925	769	780	750	25.5	33.2	17.0	12.8	174	3.3	4.4
900	1011	1022	987	24.4	32.4	12.4	9.1	173	2.4	4.4
850	1509	1522	1486	21.9	29.0	14.0	5.5	123	1.0	4.4
800	2032	2047	2009	18.4	26.8	10.6	2.8	048	2.0	5.1
750	2579	2597	2557	14.3	21.8	6.6	0.2	026	3.2	6.0
700	3158	3177	3133	10.1	18.0	0.2	-3.7	009	3.7	6.5
650	3767	3788	3744	6.5	15.4	-1.7	-8.5	344	3.4	6.5
600	4421	4444	4389	3.2	12.2	-6.5	-13.1	321	4.0	6.7
550	5124	5151	5091	-0.7	8.2	-13.1	-17.0	301	4.9	7.7
500	5876	5905	5839	-5.2	4.2	-15.5	-20.4	292	6.2	8.9
450	6697	6729	6660	-10.4	-1.1	-19.7	-24.7	284	7.8	10.3
400	7592	7629	7550	-16.1	-5.3	-26.5	-28.0	279	9.5	12.1
350	8584	8630	8539	-22.9	-9.3	-34.1	-33.2	276	11.7	14.2
300	9697	9754	9643	-30.9	-18.1	-44.9		270	14.1	16.7
250	10966	11047	10879	-40.2	-25.7	-59.1		263	16.4	19.2
200	12453	12562	12358	-51.2	-40.1	-69.1		260	17.0	19.7
175	13312	13427	13238	-57.3	-45.7	-66.1		261	16.6	19.5
150	14269	14415	14185	-63.8	-53.9	-74.3		261	15.3	18.6
125	15364	15534	15280	-69.9	-58.7	-82.1		265	12.4	15.9
100	16672	16883	16574	-75.0	-51.7	-82.7		265	7.4	11.5
80	17973	18214	17868	-74.2	-48.1	-84.5		268	4.7	8.1
70	18761	19031	18645	-71.4	-58.5	-81.3		269	3.9	6.7
60	19681	19946	19545	-67.3	-56.3	-77.3		266	3.3	6.7
50	20797	21070	20630	-62.1	-48.1	-71.7		266	1.5	7.3
40	22191	22515	21955	-58.3	-46.7	-69.9		86	1.6	7.2
30	24021	24386	23771	-54.3	-44.5	-66.3		107	2.7	7
25	25183	25588	24853	-51.3	-41.9	-60.7		107	3.0	7.5
20	26649	27066	26318	-49.3	-36.3	-59.1		134	2.5	8.2
15	28570	29028	28228	-47.1	-40.1	-53.5				
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
559	5000	5360	4570				98	16810	-76.8

NORMALS OF RADIOSONDE DATA

MONTH : APRIL TIME : 1730 IST STATION : MACHILIPATNAM

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1006	1007	1003	31.3	40.4	26.6	24.4	174	4.6	4.9
1000	56	73	30	30.7	34.8	24.2	24.1	172	5.1	5.4
950	507	530	461	27.4	38.8	19.6	19.3	182	4.8	5.5
925	749	768	731	26.8	37.8	19.2	17.0	186	3.3	4.6
900	991	1011	968	26.4	37.0	15.0	11.4	200	2.3	4.2
850	1493	1516	1474	24.0	35.6	13.2	6.8	178	0.4	4.0
800	2020	2047	2003	20.8	30.4	11.0	4.1	051	1.5	4.6
750	2572	2604	2552	16.6	26.6	7.8	1.7	042	3.2	5.4
700	3156	3190	3138	12.0	21.0	1.8	-1.4	037	4.0	6.1
650	3770	3809	3750	7.4	17.0	0.0	-5.5	029	4.1	6.4
600	4424	4463	4402	3.5	13.4	-4.1	-10.4	012	3.2	6.3
550	5128	5167	5101	-0.2	10.8	-8.9	-14.9	329	3.1	6.5
500	5881	5926	5856	-4.6	5.8	-18.1	-18.5	300	4.0	7.3
450	6703	6749	6672	-9.7	2.2	-20.7	-22.0	286	5.4	8.6
400	7601	7650	7565	-15.4	-2.1	-27.1	-26.6	278	6.9	10.1
350	8595	8657	8552	-22.0	-7.3	-34.7	-32.0	274	9.1	12.4
300	9714	9796	9660	-29.8	-13.1	-41.9	-38.9	265	11.6	14.8
250	10987	11088	10921	-39.2	-25.5	-48.3	-48.2	257	13.7	17.2
200	12480	12617	12401	-50.5	-36.1	-62.7		252	14.9	18.3
175	13336	13500	13250	-56.9	-46.1	-68.7		252	14.5	17.9
150	14296	14482	14207	-63.5	-52.1	-73.9		253	12	15.5
125	15395	15594	15301	-69.9	-55.1	-81.1		256	8.3	12.7
100	16701	16931	16614	-75.3	-59.9	-84.1		256	2.9	10.3
80	17996	18251	17887	-74.6	-61.1	-85.5		049	0.4	8.1
70	18783	19086	18655	-71.5	-57.9	-83.5		077	2.0	6.9
60	19699	20025	19527	-67.4	-52.9	-86.3		090	1.6	6.1
50	20816	21187	20568	-61.7	-49.1	-80.9		092	1.9	6.3
40	22217	22609	21709	-57.2	-43.1	-74.9		099	3.3	6.3
30	24072	24503	23827	-52.1	-37.1	-68.3		100	4.2	7.6
25	25274	25728	25065	-49.2	-32.9	-68.9		096	5.5	8.6
20	26764	27285	26500	-47.1	-26.1	-66.7		090	5.5	9.4
15	28685	29165	28391	-44.7	-34.3	-60.5				
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
553	5080	5660	4580				97	16930	-77.0

NORMALS OF RADIOSONDE DATA

MONTH : MAY TIME : 1730 IST STATION : MACHILIPATNAM

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1002	1005	1000	33.5	45.4	24.4	23.2	178	3.9	5.3
1000	24	55	2	32.6	44.0	24.6	24.8	171	4.7	5.5
950	480	509	437	30.4	42.2	20.8	20.3	195	3.4	5.9
925	726	739	716	29.7	40.0	19.2	18.5	231	2.3	4.9
900	968	989	948	28.5	37.0	16.8	15.7	266	2.2	4.9
850	1474	1493	1453	25.7	37.0	15.8	11.7	312	3.3	5.3
800	2004	2024	1983	22.3	30.8	14.4	7.8	334	3.8	5.7
750	2559	2583	2536	18.2	26.8	11.0	4.4	354	3.8	6.0
700	3146	3175	3122	13.6	23.0	6.2	0.8	009	4.0	6.3
650	3763	3798	3734	8.9	16.0	1.0	-2.9	017	4.2	6.7
600	4422	4464	4393	4.3	14.8	-2.3	-6.9	015	4.1	6.9
550	5128	5171	5092	0.4	8.0	-6.3	-11.4	001	3.5	6.9
500	5885	5938	5846	-3.5	4.8	-11.1	-15.6	339	3.3	6.8
450	6711	6769	6666	-8.0	-0.3	-16.7	-20.5	322	3.4	7.1
400	7620	7682	7571	-13.2	-5.5	-23.1	-24.6	311	3.3	7.2
350	8623	8691	8567	-19.6	-10.7	-32.1	-30.6	290	3.4	7.6
300	9752	9822	9699	-27.3	-18.1	-38.7	-37.9	267	3.5	7.9
250	11039	11114	10970	-37.1	-28.1	-47.7	-46.2	244	3.7	8.5
200	12544	12647	12455	-48.9	-38.7	-61.1		210	4.1	9.7
175	13405	13522	13307	-55.9	-44.9	-66.3		189	3.7	10.6
150	14367	14508	14271	-63.2	-51.3	-72.9		154	4.2	10.6
125	15471	15633	15373	-70.2	-57.1	-79.7		120	6.0	11.0
100	16779	17030	16664	-76.0	-61.9	-85.1		104	8.7	11.5
80	18065	18239	17930	-75.0	-53.5	-86.9		099	9.8	11.0
70	18852	19061	18703	-71.2	-57.1	-83.1		096	9.4	10.2
60	19770	19970	19601	-66.1	-51.1	-77.9		094	8.1	8.9
50	20892	21102	20688	-60.6	-45.9	-72.5		100	7.9	8.9
40	22305	22518	22025	-55.5	-42.7	-65.7		092	9.0	9.6
30	24159	24375	23723	-50.9	-36.9	-61.7		087	13.1	13.8
25	25337	25596	24800	-48.1	-35.1	-60.3		089	13.8	14.5
20	26850	27123	26587	-45.7	-34.9	-60.3		087	14.1	14.9
15	28826	29076	28488	-42.8	-34.5	-58.7				
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
545	5200	5680	4920				97	17000	-78.1

NORMALS OF RADIOSONDE DATA

MONTH : JUNE TIME : 1730 IST STATION : MACHILIPATNAM

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1000	1001	998	33.7	43.0	24.0	23.3	232	3.2	5.6
1000	7	19	0	33.1	41.6	24.0	23.6	224	3.1	5.5
950	461	483	421	29.8	39.0	17.2	20.6	252	5.1	7.7
925	707	723	695	28.6	37.0	20.4	19.2	258	5.0	7.4
900	948	968	935	26.8	36.2	13.6	18.1	275	6.4	8.1
850	1450	1474	1439	23.3	31.8	11.8	15.8	286	7.4	8.9
800	1977	2003	1966	19.6	28.2	10.4	12.9	291	7.9	9.5
750	2529	2556	2515	16.0	23.6	8.6	9.3	291	7.5	9.7
700	3113	3139	3098	12.5	20.0	5.0	5.3	291	6.7	9.5
650	3729	3757	3710	8.8	16.8	2.4	1.7	291	5.6	9.0
600	4390	4420	4375	5.1	13.0	-1.1	-2.3	289	5.0	8.5
550	5098	5133	5074	1.3	9.4	-5.7	-6.4	287	4.5	7.9
500	5859	5901	5831	-2.6	5.8	-12.1	-10.7	289	4.1	7.3
450	6689	6743	6655	-7.0	4.6	-17.1	-15.4	297	3.2	6.7
400	7601	7666	7560	-12.0	-0.5	-23.1	-20.5	317	1.7	5.9
350	8608	8680	8560	-18.4	-9.1	-31.7	-26.8	045	1.7	5.8
300	9745	9844	9688	-26.1	-15.7	-41.1	-34.3	077	4.1	6.9
250	11040	11161	10971	-36.0	-22.9	-50.9	-43.5	086	8.1	9.7
200	12552	12708	12466	-48.1	-32.5	-62.1	-54.4	088	12.8	14.1
175	13418	13596	13318	-55.2	-41.9	-68.7	-59.6	089	15.8	17.1
150	14382	14581	14268	-62.7	-48.3	-74.1		088	19.7	21.0
125	15477	15746	15343	-70.5	-58.1	-83.1		089	24.2	25.4
100	16780	17088	16643	-76.2	-64.9	-86.1		090	24.6	25.2
80	18066	18421	17821	-74.3	-54.7	-86.1		088	21.0	21.5
70	18855	19262	18599	-70.3	-56.3	-81.5		089	18.6	19
60	19790	20192	19517	-65.0	-52.5	-78.5		094	15.8	16.3
50	20926	21366	20622	-60.4	-45.7	-71.5		094	14.6	15.1
40	22341	22780	22015	-56.2	-42.7	-65.5		091	14.5	14.9
30	24204	24680	23851	-51.4	-38.7	-61.9		089	17.3	17.6
25	25376	25731	24949	-49.3	-39.1	-61.7		089	20.8	21.2
20	26868	27285	26396	-47.0	-36.3	-55.9				
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
533	5360	6140	5050				98	16900	-78.0

NORMALS OF RADIOSONDE DATA

MONTH : JULY TIME : 1730 IST STATION : MACHILIPATNAM

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1001	1002	1000	31.1	38.6	24.6	24.0	253	3.3	4.8
1000	15	28	8	30.9	38.6	24.0	23.9	251	3.0	4.8
950	469	483	437	27.6	36.2	18.2	20.7	267	6.1	7.6
925	705	712	697	26.1	35.2	19.0	19.1	270	7.1	8.5
900	951	963	941	24.5	33.2	16.4	18.5	279	8.0	9.1
850	1450	1464	1439	21.1	29.6	12.6	16.2	284	9.8	10.6
800	1973	1989	1961	17.9	27.2	8.0	13.5	285	10.9	11.6
750	2522	2540	2509	14.7	23.2	5.8	10.3	283	11.1	11.9
700	3104	3126	3088	11.6	19.8	2.2	6.2	280	10.3	11.3
650	3720	3745	3701	8.4	16.8	0.6	2.0	278	9.3	10.5
600	4380	4411	4355	5.1	13.4	-4.9	-1.9	278	7.9	9.5
550	5088	5122	5059	1.5	11.0	-7.5	-5.6	279	6.6	8.7
500	5849	5893	5817	-2.4	6.2	-10.5	-9.9	280	4.9	7.7
450	6679	6730	6639	-6.9	4.2	-17.7	-14.5	287	3.0	6.7
400	7591	7655	7540	-12.2	-4.7	-20.1	-19.9	354	0.6	6.4
350	8596	8668	8536	-18.5	-10.7	-26.9	-26.4	074	3.5	7.1
300	9734	9823	9652	-26.4	-18.5	-37.1	-34.1	084	7.6	9.4
250	11027	11129	10930	-36.1	-28.5	-46.7	-44.0	087	12.2	13.2
200	12539	12652	12408	-48.2	-39.1	-58.5	-54.8	086	19.0	19.7
175	13404	13542	13252	-55.3	-42.5	-65.3	-60.2	084	22.9	23.5
150	14373	14528	14195	-62.8	-49.7	-74.1		082	27.3	28.1
125	15471	15663	15272	-70.4	-56.1	-81.7		083	31.7	32.4
100	16771	17031	16580	-75.3	-61.9	-85.9		086	33.0	33.5
80	18072	18359	17913	-71.0	-56.9	-82.5		088	25.6	25.9
70	18878	19182	18718	-67.3	-55.9	-79.3		089	22.2	22.5
60	19813	20138	19674	-63.7	-52.3	-80.1		090	20.1	20.4
50	20931	21319	20795	-59.6	-47.1	-74.7		092	20.0	20.4
40	22326	22700	22187	-56.2	-42.9	-70.3		092	20.8	21.2
30	24183	24587	24006	-51.9	-37.9	-62.7		092	23.2	23.6
25	25364	25766	25141	-50.2	-37.1	-59.5		090	23.4	23.7
20	26823	27228	26620	-48.3	-36.1	-61.9		090	26.0	26.4
15	28728	29144	28272	-46.2	-33.1	-61.3				
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
531	5380	6020	4700				104	16560	-76.8

NORMALS OF RADIOSONDE DATA

MONTH : AUGUST TIME : 1730 IST STATION : MACHILIPATNAM

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1001	1003	1000	30.7	35.6	24.0	24.1	270	3.2	4.5
1000	23	32	11	30.6	34.8	24.4	24.4	270	3.1	4.6
950	473	488	440	26.9	33.8	15.8	20.5	278	6.2	7.6
925	714	722	709	25.4	32.0	15.4	19.3	280	6.8	7.9
900	956	968	946	23.8	30.0	14.8	18.2	284	8.1	9.1
850	1454	1467	1444	20.6	27.0	12.0	15.6	288	9.6	10.4
800	1976	1991	1967	17.5	25.0	8.2	12.7	288	10.3	11.0
750	2526	2542	2513	14.4	22.8	4.2	9.5	287	10.2	11.0
700	3106	3125	3094	11.4	19.0	4.0	5.7	284	9.5	10.3
650	3723	3744	3708	8.5	15.6	0.6	1.6	283	8.3	9.4
600	4382	4409	4364	5.1	12.6	-3.7	-2.1	283	7.2	8.8
550	5091	5122	5069	1.5	9.2	-6.9	-6.0	280	6.0	7.9
500	5851	5887	5829	-2.4	3.8	-9.9	-10.2	280	4.3	7.0
450	6681	6728	6653	-7.0	0.6	-15.5	-14.8	286	2.2	6.2
400	7592	7649	7561	-12.2	-3.1	-20.7	-20.2	039	0.6	5.9
350	8599	8671	8561	-18.6	-9.5	-28.5	-27.3	082	3.1	6.5
300	9737	9824	9694	-26.3	-16.9	-38.9	-34.6	087	7.0	8.6
250	11030	11144	10985	-36.1	-24.9	-50.9	-43.8	087	11.8	12.8
200	12539	12694	12478	-48.3	-36.1	-65.7	-55.5	086	18.0	18.7
175	13403	13580	13324	-55.4	-41.9	-71.3	-62.3	085	21.6	22.3
150	14371	14573	14258	-63.0	-50.3	-76.3		082	25.5	26.2
125	15469	15724	15287	-70.6	-55.1	-86.1		082	29.4	30.0
100	16768	17114	16600	-75.5	-55.1	-84.5		087	31.3	31.6
80	18072	18471	17773	-70.2	-53.9	-79.3		089	24.4	24.7
70	18885	19326	18665	-67.1	-53.1	-76.1		089	21.3	21.7
60	19812	20230	19575	-63.7	-51.9	-72.7		092	19.8	20.4
50	20947	21390	20795	-59.9	-46.3	-69.9		093	19.6	20.3
40	22357	22880	22174	-56.1	-40.9	-67.1		093	20.3	20.6
30	24204	24750	23976	-52.2	-41.1	-65.1		092	22.2	22.6
25	25398	25949	25154	-49.9	-40.7	-63.7		089	22.5	22.9
20	26904	27490	26586	-47.6	-38.5	-63.5		089	24.9	25.1
15	28793	29387	28446	-45.4	-35.3	-61.9				
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
530	5400	6070	5080				105	16490	-76.8

NORMALS OF RADIOSONDE DATA

MONTH : SEPTEMBER TIME : 1730 IST STATION : MACHILIPATNAM

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1003	1006	1002	30.5	39.8	23.4	24.0	247	1.6	3.3
1000	38	57	26	30.2	35.0	24.2	24.6	240	1.6	3.7
950	486	507	453	26.7	34.2	19.6	20.7	271	2.6	5.6
925	724	740	694	25.3	32.2	18.6	18.2	288	3.0	5.9
900	970	985	958	23.9	29.8	17.4	17.8	293	3.9	6.4
850	1468	1481	1456	20.9	28.2	14.4	14.3	302	4.6	7.1
800	1990	2004	1979	17.8	24.6	11.0	10.9	303	4.8	7.5
750	2537	2554	2522	14.7	22.0	8.0	7.4	300	4.5	7.5
700	3120	3135	3105	11.5	19.2	3.0	3.7	295	4.0	7.0
650	3734	3754	3714	8.3	15.4	1.8	-0.1	288	3.3	6.5
600	4394	4415	4367	4.8	12.0	-1.7	-4.2	276	2.5	6.1
550	5101	5128	5064	1.2	7.8	-7.7	-8.4	264	1.6	5.8
500	5861	5897	5820	-2.7	4.2	-9.1	-12.8	261	1.0	5.6
450	6691	6734	6637	-7.3	-0.9	-14.7	-17.4	080	0.3	5.5
400	7599	7655	7535	-12.7	-4.5	-22.7	-22.7	079	1.7	5.5
350	8603	8668	8536	-19.2	-10.5	-29.3	-28.9	091	3.4	6.1
300	9738	9825	9642	-27.1	-17.5	-41.3	-36.3	093	6.0	7.6
250	11027	11138	10911	-37.0	-26.5	-52.5	-45.3	092	9.5	10.4
200	12534	12680	12387	-49.2	-38.1	-66.9	-57.5	091	13.5	14.7
175	13399	13561	13217	-56.2	-43.1	-72.1		090	16.6	17.5
150	14362	14561	14155	-63.7	-48.1	-74.9		089	19.2	20.2
125	15454	15726	15221	-71.0	-54.1	-80.1		088	22.5	23.3
100	16753	17076	16498	-75.3	-60.5	-83.1		090	21.9	22.4
80	18056	18427	17801	-71.5	-58.1	-83.3		088	17.3	17.8
70	18855	19247	18605	-68.0	-54.7	-78.7		092	15.8	16.2
60	19790	20208	19523	-64.2	-51.7	-72.1		097	14.4	14.8
50	20913	21326	20691	-59.9	-48.9	-67.3		096	15.5	15.9
40	22324	22799	22086	-56.2	-44.5	-64.7		095	16.5	17.7
30	24191	24703	23930	-51.4	-39.3	-62.7		095	17.8	18.2
25	25400	25957	25076	-48.8	-35.7	-56.7				
20	26930	27420	26566	-45.7	-38.5	-54.1				
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
535	5330	5820	4620				105	16460	-77.1

NORMALS OF RADIOSONDE DATA

MONTH : OCTOBER TIME : 1730 IST STATION : MACHILIPATNAM

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1007	1011	1005	29.0	33.0	22.4	23.9	094	0.9	3.2
1000	67	105	51	28.6	32.8	20.0	23.3	105	1.1	3.6
950	514	559	486	25.2	33.2	19.0	18.9	073	1.6	5.2
925	754	790	735	23.8	29.4	17.4	17.0	063	2.7	5.8
900	994	1033	979	22.3	30.4	15.6	15.7	045	2.6	6.0
850	1490	1528	1473	19.2	28.0	12.4	12.1	037	3.5	6.9
800	2009	2048	1993	16.2	24.8	8.0	8.3	035	3.7	7.1
750	2554	2594	2537	13.2	21.8	6.6	4.7	034	3.2	6.9
700	3133	3171	3116	10.2	18.6	3.4	1.4	036	2.2	6.2
650	3745	3782	3726	7.1	17.0	-2.7	-1.9	042	1.1	5.7
600	4401	4435	4381	3.8	12.8	-2.3	-5.5	091	0.6	5.4
550	5105	5151	5085	0.2	9.2	-7.1	-9.4	127	0.6	5.2
500	5862	5901	5839	-4.0	6.0	-13.1	-13.7	125	0.9	5.3
450	6687	6746	6655	-8.7	0.4	-18.1	-18.8	130	1.0	5.5
400	7591	7645	7559	-14.2	-4.9	-23.5	-24.1	128	1.3	5.6
350	8589	8648	8552	-20.8	-11.1	-30.3	-29.9	128	1.5	5.9
300	9716	9800	9671	-28.9	-18.7	-38.9	-37.5	133	2.3	6.6
250	10991	11104	10938	-39.1	-27.7	-49.1	-45.9	133	3.2	7.8
200	12480	12624	12414	-51.5	-37.1	-61.9	-57.1	127	5.0	9.9
175	13332	13486	13253	-58.5	-45.1	-71.5		125	6.0	11.1
150	14284	14476	14182	-66.1	-50.7	-78.7		119	7.4	12.0
125	15368	15572	15254	-73.4	-60.1	-87.1		116	9.1	12.5
100	16659	16909	16547	-77.1	-67.3	-86.3		106	9.7	12.0
80	17950	18212	17825	-72.7	-61.3	-83.1		099	8.5	10.0
70	18748	19035	18618	-68.8	-55.9	-79.1		098	8.3	9.3
60	19680	19962	19530	-65.1	-53.1	-74.5		096	9.6	10.3
50	20811	21111	20638	-60.6	-46.5	-73.1		098	10.7	11.3
40	22200	22564	21972	-57.1	-43.9	-68.7		098	11.4	12.2
30	24040	24446	23799	-53.5	-41.9	-65.1		092	12.3	14.0
25	25241	25547	24888	-51.5	-42.1	-65.5				
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
548	5140	5640	4730				105	16400	-78.7

NORMALS OF RADIOSONDE DATA

MONTH : NOVEMBER TIME : 1730 IST STATION : MACHILIPATNAM

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1010	1012	1008	27.6	31.6	21.6	21.6	086	2.8	4.0
1000	93	110	70	27.1	31.4	21.4	20.9	088	3.6	5.0
950	537	560	505	23.7	30.8	14.8	16.4	074	4.4	6.0
925	776	787	763	22.2	30.2	16.2	15.4	071	5.1	6.4
900	1015	1031	998	20.4	29.0	11.2	13.3	058	4.8	6.4
850	1506	1523	1491	17.3	25.8	8.6	10.0	048	4.9	6.7
800	2022	2041	2009	14.7	24.0	5.4	5.8	047	4.5	6.5
750	2566	2585	2553	12.3	22.8	4.6	2.4	047	3.6	6.1
700	3141	3163	3123	9.6	19.2	2.6	-0.1	052	2.7	5.7
650	3753	3778	3731	6.6	15.6	-0.3	-3.7	054	1.6	5.3
600	4407	4434	4384	3.4	11.8	-3.5	-7.6	040	1.3	5.3
550	5109	5146	5089	-0.2	8.2	-8.7	-11.3	004	1.0	5.7
500	5864	5911	5840	-4.6	5.0	-12.5	-15.7	345	1.2	6.4
450	6686	6751	6654	-9.4	0.4	-17.9	-19.5	325	1.8	7.0
400	7588	7664	7550	-15.1	-4.9	-25.3	-24.9	298	2.5	7.4
350	8583	8683	8538	-21.9	-9.9	-31.5	-30.7	270	3.6	7.9
300	9703	9808	9653	-29.8	-19.1	-39.3	-38.5	255	5.7	9.2
250	10975	11107	10911	-40.0	-28.7	-52.7	-47.3	233	8.0	11.0
200	12460	12624	12375	-52.1	-40.9	-61.7		217	9.4	12.9
175	13314	13526	13207	-59.0	-47.1	-72.1		215	9.2	13.1
150	14268	14497	14141	-66	-53.5	-77.9		215	8.2	12.4
125	15366	15653	15225	-72.6	-59.3	-83.3		203	5.6	10.3
100	16657	16970	16477	-77.9	-66.3	-85.7		173	2.8	8.0
80	17948	18292	17753	-75.4	-60.9	-87.7		103	3.0	7.6
70	18734	19093	18505	-71.7	-55.7	-82.3		101	3.3	6.5
60	19655	20222	19418	-67.3	-52.1	-77.7		101	3.3	6.3
50	20770	21361	20357	-62.8	-48.1	-73.5		096	4.9	6.8
40	22164	22771	21736	-58.8	-46.1	-67.9		091	5.8	8.9
30	23989	24611	23482	-54.9	-43.9	-63.1		096	8.5	11.6
25	25155	25791	24662	-52.6	-40.9	-60.7		091	11.4	13.2
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
554	5060	5810	4700				100	16680	-79.4

NORMALS OF RADIOSONDE DATA

MONTH : DECEMBER TIME : 1730 IST STATION : MACHILIPATNAM

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1012	1014	1011	26.2	28.6	20.6	19.8	090	3.1	3.7
1000	117	129	108	25.3	28	18.8	18.9	094	4.0	4.7
950	561	578	541	21.8	28.8	12.8	15.0	079	4.7	5.3
925	795	805	785	20.0	27.0	11.4	13.0	068	4.4	5.1
900	1032	1047	1023	18.5	25.4	10.0	11.3	062	4.7	5.5
850	1521	1536	1508	15.8	23.4	8.4	6.0	054	4.3	5.7
800	2034	2052	2019	14.0	22.8	7.2	0.8	053	3.7	5.5
750	2575	2595	2558	12.0	21.0	3.8	-2.3	051	2.8	5.2
700	3151	3174	3130	9.6	19.4	3.6	-4.6	042	2.1	5.4
650	3762	3792	3740	6.6	14.0	-0.3	-8.0	013	1.5	5.5
600	4415	4451	4388	3.0	9.0	-2.5	-10.4	333	1.4	5.8
550	5116	5151	5086	-1.1	6.0	-7.3	-14.2	303	2.2	6.4
500	5868	5907	5834	-5.6	2.6	-13.1	-17.8	289	3.1	7.1
450	6685	6725	6646	-10.8	-1.3	-18.7	-21.9	283	4.4	8.3
400	7581	7610	7536	-16.7	-7.1	-25.3	-27.4	275	6.0	9.8
350	8570	8606	8515	-23.6	-13.5	-33.3	-33.7	272	8.3	11.7
300	9681	9722	9608	-31.7	-21.5	-42.1	-39.8	266	11.1	14.2
250	10944	10999	10854	-41.7	-31.1	-52.7		253	13.7	16.6
200	12420	12494	12315	-53.5	-45.1	-66.1		244	15.3	18.5
175	13267	13356	13142	-59.8	-51.9	-69.7		244	15.3	18.6
150	14210	14337	14071	-66.6	-57.5	-80.5		242	14.5	17.5
125	15298	15454	15165	-72.4	-61.7	-87.5		245	12.0	14.7
100	16589	16742	16438	-77.1	-66.1	-90.7		243	6.4	10.5
80	17873	17983	17753	-75.4	-59.3	-91.3		220	1.7	7.4
70	18662	18790	18532	-72.5	-57.3	-89.3		185	0.5	6.7
60	19583	19715	19439	-68.5	-54.1	-80.9		092	1.3	6.1
50	20693	20846	20519	-63.9	-48.1	-75.3		073	1.2	5.7
40	22076	22265	21890	-59.5	-44.9	-72.3		099	2.1	6.4
30	23915	24259	23678	-55.9	-39.5	-67.9		098	2.9	7.7
25	25084	25469	24840	-53.9	-38.3	-67.1				
20	26532	26907	26294	-50.9	-36.9	-65.7				
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
561	4940	5160	4580				101	16570	-78.8

NORMALS OF RADIOSONDE DATA

MONTH : JANUARY TIME : 1730 IST STATION : MANGALORE

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1007	1008	1005	29.7	32.4	25.0	19.8	287	3.5	4.0
1000	90	106	77	29.0	32.0	20.0	19.2	290	4.7	5.2
950	539	555	499	24.9	30.0	16.0	13.9	311	2.8	3.8
925	778	787	767	24.1	28.6	17.8	13.3	355	1.3	2.9
900	1016	1029	1003	22.0	27.2	15.4	10.4	059	1.7	3.2
850	1509	1523	1489	18.6	28.0	12.2	7.3	088	4.2	5.0
800	2027	2043	2008	15.4	23.4	8.0	2.6	089	5.5	6.5
750	2568	2592	2539	12.8	20.0	5.0	-3.5	086	4.4	6.2
700	3147	3172	3119	10.3	17.6	1.6	-8.2	074	2.6	5.3
650	3759	3788	3732	7.0	14.2	-3.5	-11.6	048	1.4	5.4
600	4412	4446	4381	3.4	10.2	-4.3	-14.2	022	1.1	5.6
550	5111	5150	5077	-0.7	5.2	-9.0	-17.2	350	1.4	6.1
500	5867	5911	5826	-5.2	2.0	-13.3	-21.3	322	1.7	6.9
450	6685	6736	6637	-10.1	-2.1	-18.9		299	2.7	8.0
400	7586	7642	7533	-15.9	-8.3	-24.9		292	4.5	9.3
350	8576	8643	8487	-22.8	-14.7	-30.7		281	6.4	10.7
300	9694	9764	9628	-31.0	-22.9	-41.3		268	8.4	12.0
250	10962	11045	10879	-41.0	-31.1	-52.7		256	9.6	13.4
200	12442	12552	12342	-53.0	-41.1	-66.3		251	9.5	14.3
175	13291	13416	13179	-59.9	-49.5	-72.3		250	8.6	14.1
150	14239	14383	14112	-66.9	-53.5	-81.3		250	7.2	13.3
125	15327	15487	15194	-73.4	-56.5	-88.9		257	4.8	11.5
100	16616	16804	16462	-78.3	-68.5	-89.1		245	1.6	9.3
80	17898	18106	17730	-77.1	-62.5	-88.9		126	0.9	7.7
70	18678	18891	18421	-73.7	-59.3	-84.3		199	0.2	6.9
60	19585	19808	19326	-68.8	-51.5	-81.1		249	1.4	6.5
50	20695	20940	20528	-63.5	-49.5	-75.5		246	1.4	7.3
40	22078	22357	21801	-58.9	-42.7	-70.9		127	1.2	9.1
30	23892	24223	23744	-54.8	-39.1	-66.3		098	3.5	10.3
25	25056	25512	24800	-53.0	-37.1	-63.3		099	4.8	10.2
20	26514	26938	26381	-50.8	-38.9	-61.1				
15										
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FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
558	5000	5390	4630				095	16940	-80.5

NORMALS OF RADIOSONDE DATA

MONTH : FEBRUARY TIME : 1730 IST STATION : MANGALORE

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1006	1008	1005	29.8	33.2	27.0	21.0	290	4.1	4.6
1000	88	103	77	29.2	32.8	22.4	20.5	292	5.5	6.1
950	537	556	497	25.2	31.4	16.4	14.8	300	4.2	4.9
925	776	791	765	24.4	30.4	17.2	12.7	307	2.6	3.7
900	1015	1031	1000	23.3	30.4	16.4	10.4	333	1.3	3.2
850	1511	1527	1494	20.2	28.2	13.4	7.5	084	2.3	4.1
800	2031	2048	2012	16.8	24.6	10.4	3.9	091	4.4	5.9
750	2575	2596	2540	13.4	22.0	5.4	-1.3	087	4.9	6.8
700	3154	3180	3130	10.2	19.2	3.6	-7.3	075	3.3	6.4
650	3766	3797	3739	7.1	14.6	-4.9	-11.7	045	1.8	6.0
600	4419	4456	4387	3.5	10.2	-2.9	-13.9	005	1.7	6.1
550	5118	5160	5076	-0.5	6.2	-9.0		338	2.1	6.6
500	5874	5921	5832	-5.2	2.2	-12.0		320	2.8	7.2
450	6692	6744	6644	-10.1	-1.3	-17.1		305	3.8	8.3
400	7592	7652	7541	-15.8	-6.3	-23.1		296	5.4	9.9
350	8583	8660	8490	-22.5	-14.3	-31.1		283	7.2	11.5
300	9702	9800	9628	-30.7	-22.1	-39.9		268	8.9	12.9
250	10971	11097	10878	-40.7	-31.1	-50.3		257	10.0	13.6
200	12452	12616	12340	-52.7	-41.9	-63.5		257	9.6	14.2
175	13300	13500	13186	-59.5	-48.1	-71.1		260	8.9	14.1
150	14249	14478	14125	-66.5	-53.9	-77.7		261	7.5	13.8
125	15333	15616	15210	-73.2	-61.7	-83.7		260	5.0	11.7
100	16624	16925	16495	-77.9	-67.1	-90.1		265	2.3	9.1
80	17911	18234	17767	-76.7	-61.3	-89.1		275	0.5	7.3
70	18694	19022	18534	-73.1	-56.1	-84.5		266	1.3	6.9
60	19604	19955	19383	-68.1	-50.5	-81.1		262	3.0	7.4
50	20713	21078	20437	-63.3	-48.1	-76.1		265	3.2	8.0
40	22098	22491	21794	-58.7	-42.9	-73.3		290	0.7	8.3
30	23923	24350	23637	-55.2	-37.3	-69.5		101	2.0	9.9
25	25096	25484	24881	-52.9	-42.1	-67.5				
20	26520	26928	26114	-51.0	-38.5	-64.9				
15										
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FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
557	5030	5580	4690				097	16850	-79.8

NORMALS OF RADIOSONDE DATA

MONTH : MARCH TIME : 1730 IST STATION : MANGALORE

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1005	1007	1003	30.6	33.0	23.4	22.6	288	4.4	4.8
1000	77	91	56	30.1	33.8	26.8	22.5	291	5.9	6.4
950	527	544	480	25.8	36.8	20.2	17.4	298	5.2	6.0
925	768	779	749	25.5	36.4	18.0	16.0	299	3.5	4.3
900	1006	1023	991	24.5	34.4	18.2	11.4	322	2.5	3.8
850	1505	1522	1487	21.9	31.6	15.8	8.5	039	1.7	3.8
800	2028	2047	2008	18.6	25.8	11.8	6.1	080	4.1	5.4
750	2575	2595	2548	14.7	22.8	8.2	2.5	088	6.4	7.4
700	3157	3179	3127	10.6	20.0	3.8	-2.7	086	7.1	8.3
650	3769	3800	3735	7.0	17.0	0.6	-8.4	084	5.2	7.2
600	4423	4462	4379	3.6	11.4	-3.0	-13.5	073	3.1	6.2
550	5123	5170	5071	-0.4	8.0	-8.0	-17.7	052	2.3	6.2
500	5880	5935	5819	-4.9	6.0	-12.0	-21.6	023	2.1	6.8
450	6698	6766	6625	-10.0	-1.5	-18.0		343	2.1	7.6
400	7599	7683	7512	-15.9	-7.9	-23.9		302	3.6	9.0
350	8590	8695	8453	-22.6	-13.9	-31.9		285	5.6	10.5
300	9708	9831	9594	-30.7	-22.1	-40.3		275	7.7	12.0
250	10979	11126	10852	-40.5	-31.3	-50.5		265	9.4	13.7
200	12462	12639	12330	-52.2	-43.3	-64.9		260	9.6	14.1
175	13313	13510	13161	-58.9	-49.1	-70.1		258	9.1	14.1
150	14264	14481	14102	-65.8	-54.3	-76.9		261	8.0	13.4
125	15357	15595	15180	-72.4	-57.5	-83.1		267	5.0	11.3
100	16651	16918	16448	-77.8	-65.9	-89.5		255	1.7	8.8
80	17940	18219	17715	-76.8	-63.1	-88.5		169	0.7	7.0
70	18719	19020	18537	-73.2	-57.5	-88.1		278	0.8	6.6
60	19630	19960	19411	-68.5	-51.7	-82.3		285	2.3	7.2
50	20748	21098	20430	-63.5	-45.7	-78.7		274	2.1	8.0
40	22131	22513	21735	-58.9	-44.7	-70.5		150	0.6	9.0
30	23958	24379	23742	-53.9	-39.3	-67.1		107	3.2	10.4
25	25134	25613	24945	-51.3	-35.9	-65.1		105	5.1	11.9
20	26585	27092	26301	-48.6	-33.1	-59.5				
15										
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7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
555	5050	5740	4480				096	16950	-79.9

NORMALS OF RADIOSONDE DATA

MONTH : APRIL TIME : 1730 IST STATION : MANGALORE

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1004	1006	1002	31.4	34.2	21.4	23.5	288	4.4	4.9
1000	66	81	52	31.0	33.0	21.6	23.4	290	6.0	6.5
950	517	535	464	26.0	33.0	20.0	19.9	299	5.5	6.3
925	761	769	752	24.8	31.4	19.4	17.4	301	3.8	4.8
900	996	1012	976	24.4	33.2	17.8	14.5	318	2.9	4.2
850	1496	1511	1473	22.4	29.8	15.6	10.7	014	2.1	3.7
800	2020	2037	1997	19.4	26.0	12.6	7.5	055	3.0	4.4
750	2569	2589	2535	15.6	23.2	8.4	4.4	077	5.0	6.1
700	3153	3172	3129	11.3	20.4	3.0	0.4	084	6.6	7.4
650	3766	3786	3743	7.1	17.8	-2.5	-4.9	085	6.3	7.4
600	4420	4448	4391	3.3	14.0	-4.0	-10.0	085	4.3	6.1
550	5120	5154	5085	-0.4	9.4	-7.1	-15.4	073	2.6	5.6
500	5877	5926	5835	-4.6	4.4	-11.1	-19.4	045	1.4	5.9
450	6698	6756	6650	-9.6	-1.9	-16.1	-24.8	003	1.3	6.7
400	7599	7671	7546	-15.3	-7.7	-23.3	-29.0	308	1.9	7.8
350	8592	8680	8497	-22.1	-13.1	-32.1		281	3.8	9.2
300	9713	9818	9645	-30.1	-19.7	-41.5		269	6.4	11.0
250	10985	11101	10906	-39.9	-31.7	-51.5		257	8.4	12.3
200	12476	12621	12382	-51.5	-43.1	-63.3		247	9.2	13.1
175	13329	13491	13220	-58.3	-49.7	-69.1		246	9.1	13.0
150	14283	14463	14153	-65.4	-55.1	-78.7		250	7.3	11.6
125	15375	15576	15235	-72.4	-61.9	-87.1		248	4.4	10.1
100	16669	16890	16505	-78.0	-67.3	-89.5		150	1.3	8.4
80	17954	18189	17748	-76.6	-60.5	-88.1		104	3.2	7.4
70	18733	18980	18519	-72.9	-57.5	-87.3		091	2.6	6.8
60	19650	19925	19442	-67.7	-50.1	-81.5		075	1.2	6.6
50	20768	21067	20607	-62.1	-46.1	-76.1		116	0.7	7.2
40	22158	22465	21929	-56.9	-43.1	-70.5		106	2.4	8.4
30	24007	24312	23810	-51.6	-36.9	-68.9		103	5.8	11.0
25	25193	25509	24985	-49.3	-35.1	-63.7		104	7.9	12.3
20	26633	26959	26204	-47.4	-35.5	-61.3				
15										
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FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
555	5050	5790	4630				095	16990	-80.1

NORMALS OF RADIOSONDE DATA

MONTH : MAY TIME : 1730 IST STATION : MANGALORE

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1003	1004	1002	31.2	34.4	22.6	24.2	291	3.9	4.7
1000	61	71	47	30.8	34.4	24.2	24.0	292	5.4	6.2
950	513	526	484	26.1	32.2	19.2	20.7	300	5.7	6.7
925	756	762	748	24.5	30.6	19.6	18.6	298	4.7	5.8
900	992	1001	980	23.6	32.2	16.6	16.5	312	4.0	5.3
850	1490	1501	1477	21.4	30.4	13.0	12.4	335	2.5	4.6
800	2013	2028	2000	18.9	29.2	12.4	8.0	005	2.2	4.9
750	2562	2586	2539	15.7	26.0	7.2	4.8	042	2.5	5.7
700	3146	3171	3124	11.8	19.0	1.2	1.4	071	3.2	6.4
650	3761	3792	3734	7.7	16.2	1.2	-2.6	081	3.9	6.9
600	4417	4453	4387	3.6	12.2	-4.0	-6.6	080	3.7	6.8
550	5117	5158	5084	-0.1	9.4	-6.5	-11.3	068	2.9	6.6
500	5876	5919	5840	-4.1	5.2	-10.5	-15.3	055	2.3	6.6
450	6698	6747	6656	-8.6	4.4	-14.9	-19.6	053	2.0	6.8
400	7606	7660	7555	-13.9	-6.1	-20.3	-24.9	062	1.4	7.0
350	8605	8670	8548	-20.5	-12.3	-27.9	-31.0	103	0.5	7.0
300	9733	9805	9662	-28.5	-20.5	-37.5	-38.0	189	0.8	6.7
250	11014	11097	10928	-38.4	-30.1	-47.9		176	2.0	7.3
200	12511	12620	12402	-50.6	-40.9	-60.3		159	3.8	8.7
175	13367	13493	13242	-57.7	-49.1	-69.0		147	5.0	10.0
150	14323	14468	14183	-65.4	-55.5	-77.0		134	7.0	11.3
125	15412	15568	15254	-73.0	-62.1	-87.1		120	9.3	12.5
100	16706	16891	16504	-78.6	-68.9	-89.0		107	10.9	12.8
80	17980	18176	17772	-77.2	-61.1	-89.0		101	10.3	11.5
70	18758	18973	18544	-73.1	-53.7	-89.3		100	8.5	9.9
60	19671	19905	19447	-67.4	-51.1	-81.0		098	6.6	8.8
50	20788	21045	20534	-61.8	-45.9	-75.0		100	6.9	9.1
40	22184	22460	21836	-57.0	-36.1	-70.1		101	8.6	10.5
30	24018	24279	23436	-51.9	-37.5	-66.5		095	10.7	12.3
25	25202	25501	24692	-49.5	-32.9	-65.1		095	12.9	14.1
20	26677	27125	26457	-47.7	-37.3	-59.1				
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
552	5100	5620	4680				095	17010	-81.0

NORMALS OF RADIOSONDE DATA

MONTH : JUNE TIME : 1730 IST STATION : MANGALORE

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1003	1005	1002	27.9	33.0	23.0	24.5	260	3.1	4.2
1000	61	75	52	27.7	33.0	22.8	24.3	263	4.6	5.9
950	509	527	480	24.4	30.6	16.4	21.5	272	6.5	8.0
925	749	761	735	23.1	29.6	18.0	20.4	272	6.8	8.2
900	986	1001	975	21.5	29.6	12.6	18.5	280	8.1	9.4
850	1481	1495	1468	18.8	28.6	9.8	15.4	282	8.5	9.9
800	2000	2014	1985	15.9	25.4	7.0	12.1	281	8.3	9.7
750	2543	2564	2523	13.2	26.0	3.8	8.1	280	7.7	9.5
700	3124	3148	3104	10.3	19.4	0.0	3.7	280	7.1	9.6
650	3737	3765	3713	6.9	15.8	-3.1	-0.6	279	6.5	9.5
600	4392	4425	4366	3.4	11.4	-5.3	-3.9	276	5.4	9.1
550	5093	5130	5060	-0.1	8.0	-6.9	-7.5	273	4.7	8.6
500	5853	5892	5817	-4.0	3.2	-12.0	-11.4	270	3.7	7.4
450	6676	6723	6632	-8.3	-0.7	-16.1	-16.0	273	2.2	6.4
400	7584	7641	7532	-13.6	-5.5	-21.5	-21.4	150	0.0	5.7
350	8587	8656	8526	-20.0	-12.5	-28.7	-27.7	092	2.8	6.2
300	9717	9802	9641	-27.9	-20.1	-38.9	-36.1	092	5.0	7.2
250	11002	11109	10902	-37.9	-28.7	-48.1	-45.1	094	8.9	10.4
200	12503	12640	12372	-50.1	-40.7	-64.1		095	15.0	16.2
175	13364	13516	13207	-57.2	-46.7	-69.1		096	18.8	19.8
150	14321	14493	14135	-65.1	-54.5	-76.3		098	23.9	24.8
125	15408	15605	15198	-73.0	-62.1	-86.1		099	28.3	29.1
100	16698	16925	16462	-78.3	-63.1	-90.1		098	27.4	28.1
80	17990	18240	17706	-74.9	-58.1	-89.5		095	21.8	22.4
70	18778	19053	18520	-70.6	-54.1	-84.7		096	17.3	18.0
60	19695	20003	19408	-66.4	-50.3	-78.7		096	14.5	15.4
50	20809	21155	20528	-62.0	-47.5	-77.3		102	13.9	14.6
40	22210	22602	21953	-56.9	-41.9	-72.1		103	13.7	14.7
30	24052	24553	23776	-52.1	-38.5	-69.5				
25	25233	25781	24992	-49.5	-36.1	-63.3				
20	26693	27233	26436	-48.0	-34.1	-63.1				
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
553	5050	5620	4630				099	16810	-80.3

NORMALS OF RADIOSONDE DATA

MONTH : JULY TIME : 1730 IST STATION : MANGALORE

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1004	1005	1003	26.8	30.8	20.0	24.1	270	3.4	4.0
1000	67	80	53	26.6	30.6	17.0	23.9	273	5.4	6.3
950	513	527	468	23.7	29.2	17.0	21.1	282	8.0	8.9
925	751	755	737	22.3	28.4	16.8	19.3	282	8.3	9.2
900	990	1002	975	20.9	27.2	13.0	18.2	290	10.1	10.8
850	1484	1497	1468	18.1	25.0	11.0	15.2	291	10.4	11.0
800	2002	2016	1984	15.3	23.2	9.6	12.2	290	10.1	10.7
750	2544	2560	2519	12.6	21.0	6.4	8.5	290	9.8	10.5
700	3124	3144	3102	9.8	18.6	3.4	3.8	288	9.2	9.9
650	3736	3758	3711	6.7	15.2	-0.9	-0.3	288	7.9	8.9
600	4391	4419	4361	3.3	11.6	-4.9	-3.6	288	6.6	8.0
550	5091	5124	5055	-0.3	8.0	-7.7	-6.7	286	5.2	7.3
500	5852	5895	5814	-4.1	3.0	-13.1	-10.9	282	3.5	6.5
450	6674	6724	6631	-8.6	-1.3	-19.3	-15.8	280	1.5	5.8
400	7582	7645	7534	-13.9	-5.7	-26.3	-21.3	083	1.0	5.9
350	8584	8657	8526	-20.3	-13.3	-35.1	-27.8	091	3.6	6.3
300	9712	9803	9642	-28.3	-19.7	-45.3	-35.9	090	7.0	8.6
250	10994	11105	10904	-38.2	-30.7	-55.9	-44.8	094	12.0	13.2
200	12493	12626	12376	-50.6	-41.7	-66.5		095	21.0	21.6
175	13352	13504	13219	-57.6	-48.1	-73.3		095	26.4	26.9
150	14311	14476	14158	-65.2	-54.9	-79.9		094	32.3	32.8
125	15400	15587	15223	-73.0	-62.1	-84.9		096	36.5	37.1
100	16694	16908	16478	-76.8	-63.5	-88.9		098	33.8	34.4
80	17995	18235	17801	-71.0	-55.3	-88.1		095	24.3	24.9
70	18792	19058	18575	-67.7	-52.5	-83.5		096	21.1	21.6
60	19733	20020	19442	-64.3	-50.5	-79.1		097	18.7	19.3
50	20863	21170	20483	-60.8	-44.5	-77.1		102	18.2	18.9
40	22249	22570	21842	-57.0	-43.7	-70.7				
30	24068	24424	23608	-52.8	-39.1	-64.9				
25	25235	25601	24962	-51.0	-33.9	-64.5				
20	26676	27062	26424	-48.8	-35.9	-64.3				
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
554	5040	5500	4630				104	16480	-78.9

NORMALS OF RADIOSONDE DATA

MONTH : AUGUST TIME : 1730 IST STATION : MANGALORE

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1004	1006	1002	26.8	30.0	23.0	24.2	279	3.4	3.9
1000	71	87	53	26.5	29.8	20.0	23.8	284	5.3	5.9
950	518	540	460	23.4	29.4	16.2	20.8	291	8.1	8.7
925	759	773	752	22.2	28.2	14.2	19.4	290	8.5	9.0
900	993	1012	970	20.6	29.0	12.4	18.0	296	10.0	10.5
850	1486	1505	1460	17.9	25.0	9.6	15.1	297	10.1	10.7
800	2004	2024	1974	15.2	22.0	6.8	12.1	296	9.8	10.4
750	2546	2569	2495	12.6	20.0	5.0	8.6	293	9.5	10.1
700	3126	3149	3087	9.8	18.2	2.8	4.4	291	8.9	9.6
650	3737	3765	3689	6.7	15.6	-0.3	-0.2	291	7.8	8.8
600	4393	4423	4345	3.4	10.8	-3.5	-3.9	291	6.6	7.9
550	5093	5129	5020	-0.1	10.0	-7.3	-7.5	291	5.3	7.1
500	5853	5891	5796	-4.0	3.2	-10.7	-11.7	289	3.5	6.1
450	6677	6720	6606	-8.5	-1.1	-18.1	-16.4	294	1.6	5.4
400	7585	7636	7522	-13.9	-6.5	-23.7	-21.9	066	0.8	5.2
350	8587	8649	8498	-20.4	-12.5	-29.3	-28.5	092	3.2	5.8
300	9715	9791	9619	-28.4	-21.1	-38.3	-36.4	096	6.7	8.3
250	10996	11089	10877	-38.4	-29.9	-49.9	-45.8	098	12.5	13.3
200	12495	12616	12345	-50.6	-41.9	-63.3		097	20.8	21.4
175	13352	13487	13182	-57.7	-48.1	-71.9		096	25.6	26.3
150	14307	14458	14117	-65.4	-54.1	-80.1		095	31.1	31.9
125	15394	15560	15170	-73.1	-60.7	-88.1		096	34.3	34.9
100	16693	16879	16452	-75.8	-60.3	-89.9		097	29.9	30.4
80	18004	18209	17685	-69.9	-55.7	-82.5		094	20.7	21.2
70	18801	19022	18550	-66.8	-52.1	-76.3		094	18.9	19.4
60	19743	19983	19579	-63.7	-50.1	-75.3		097	18.8	19.5
50	20873	21134	20703	-60.2	-43.5	-71.9		099	18.4	18.8
40	22281	22585	22073	-56.1	-40.1	-68.9		102	18.6	19.1
30	24129	24481	23790	-51.9	-37.5	-65.3				
25	25291	25812	24943	-50.6	-36.5	-60.9				
20	26731	27093	26511	-49.5	-37.5	-58.1				
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FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
552	5060	5540	4620				107	16330	-78.3

NORMALS OF RADIOSONDE DATA

MONTH : SEPTEMBER TIME : 1730 IST STATION : MANGALORE

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1005	1007	1002	27.7	31.0	23.0	23.9	281	2.9	3.7
1000	72	88	51	27.4	29.8	23.0	23.6	287	4.2	5.3
950	520	541	496	24.1	30.0	18.0	20.3	299	5.6	6.8
925	761	776	742	22.9	28.6	16.4	18.6	300	5.7	6.7
900	996	1014	974	21.4	29.6	15.8	17.0	305	6.1	7.3
850	1490	1508	1465	18.6	25.2	13.0	14.0	305	5.2	6.6
800	2009	2027	1982	15.8	25.4	9.4	10.7	302	4.3	6.1
750	2552	2575	2515	13.1	21.0	7.6	7.0	293	3.7	5.9
700	3132	3152	3097	10.2	19.0	2.0	2.7	289	3.6	6.0
650	3744	3766	3698	7.2	15.4	0.2	-1.7	288	3.3	5.8
600	4401	4423	4358	3.9	12.0	-3.0	-5.3	286	2.6	5.7
550	5102	5128	5047	0.4	8.0	-7.1	-8.9	287	1.7	5.2
500	5863	5892	5811	-3.7	3.0	-13.5	-13.3	316	0.3	4.9
450	6686	6724	6623	-8.5	-1.1	-19.1	-18.3	096	1.4	5.1
400	7594	7635	7530	-13.9	-6.1	-25.7	-23.8	096	3.0	5.4
350	8594	8645	8493	-20.6	-11.9	-31.1	-30.2	097	5.0	6.4
300	9723	9787	9632	-28.8	-20.1	-39.9	-37.9	100	7.8	8.5
250	11003	11086	10895	-38.9	-28.3	-50.1	-46.7	100	11.6	12.3
200	12498	12602	12362	-51.3	-40.7	-63.9		099	17.4	18.0
175	13353	13470	13198	-58.5	-47.5	-71.3		098	21.2	21.8
150	14304	14433	14130	-66.3	-54.1	-79.3		100	24.8	25.3
125	15391	15541	15204	-73.6	-60.5	-84.7		099	26.5	27.1
100	16685	16863	16462	-76.3	-63.1	-88.9		098	21.9	22.4
80	17986	18194	17746	-71.5	-57.9	-85.9		092	16.1	16.7
70	18783	19004	18554	-68.1	-53.7	-80.5		094	15.1	15.7
60	19723	19955	19505	-64.4	-44.1	-77.3		099	15.0	15.5
50	20843	21106	20583	-60.8	-48.3	-73.9		102	14.7	15.3
40	22243	22530	22012	-56.9	-45.1	-69.3		102	14.5	15.0
30	24083	24431	23788	-52.8	-39.1	-63.9				
25	25244	25622	24886	-51.0	-31.1	-62.3				
20	26690	27114	26341	-49.2	-35.1	-61.1				
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FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
545	5170	5530	4720				106	16370	-78.5

NORMALS OF RADIOSONDE DATA

MONTH : OCTOBER TIME : 1730 IST STATION : MANGALORE

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1005	1007	1003	28.8	32.4	23.4	24.0	272	2.4	3.5
1000	74	97	61	28.3	32.0	20.4	23.7	277	3.5	4.8
950	524	552	505	24.8	32.2	16.6	19.9	290	3.3	5.1
925	762	786	749	23.5	28.2	15.4	18.3	277	2.3	4.6
900	1000	1028	980	22.2	29.8	14.0	16.5	314	1.8	4.5
850	1495	1524	1471	19.3	27.4	11.8	13.4	030	1.0	4.8
800	2015	2045	1986	16.3	24.4	9.0	10.3	075	2.0	5.4
750	2558	2592	2523	13.1	21.2	5.0	6.7	081	2.4	5.8
700	3139	3172	3103	10.0	18.0	2.4	2.4	076	1.7	5.6
650	3750	3784	3712	6.8	14.8	-0.5	-1.7	072	1.0	5.3
600	4405	4438	4362	3.4	12.0	-3.0	-5.4	081	0.9	5.1
550	5106	5144	5049	-0.1	7.4	-8.1	-9.3	090	1.2	5.2
500	5865	5911	5811	-4.2	3.0	-12.3	-13.6	088	1.8	5.2
450	6687	6740	6623	-8.9	-1.3	-18.9	-18.3	093	2.5	5.4
400	7594	7663	7532	-14.4	-5.9	-24.0	-23.5	098	3.1	5.6
350	8593	8676	8500	-21.0	-11.9	-30.0	-29.6	107	3.2	5.8
300	9718	9817	9636	-29.2	-19.1	-37.7	-37.3	110	3.9	6.6
250	10993	11095	10904	-39.4	-29.5	-49.1	-46.3	115	5.7	8.6
200	12481	12611	12381	-52.1	-42.1	-63.7		115	8.5	11.6
175	13329	13471	13225	-59.5	-50.1	-71.9		114	10.7	13.6
150	14277	14433	14157	-67.2	-56.5	-82.1		114	12.5	15.0
125	15357	15533	15219	-74.4	-64.1	-87.3		112	13.3	15.6
100	16644	16945	16496	-78.5	-67.5	-92.1		103	10.9	12.8
80	17931	18274	17750	-74.1	-59.9	-88.3		099	9.4	10.9
70	18724	19097	18513	-69.9	-55.1	-82.9		103	8.5	9.9
60	19652	20046	19424	-65.9	-52.1	-79.7		103	8.5	9.8
50	20770	21206	20522	-61.9	-49.1	-75.9		102	9.4	10.6
40	22165	22654	21902	-58.0	-43.9	-72.5		101	10.2	11.8
30	24001	24565	23726	-53.9	-39.1	-67.9		097	12.0	13.9
25	25176	25804	24880	-51.8	-34.5	-67.7		092	14.8	16.8
20	26628	27451	26279	-50.0	-32.1	-67.3				
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FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
551	5080	5640	4710				102	16570	-80.3

NORMALS OF RADIOSONDE DATA

MONTH : NOVEMBER TIME : 1730 IST STATION : MANGALORE

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1005	1007	1003	29.5	33.4	23.0	22.6	277	2.2	3.4
1000	78	91	61	29.1	32.8	23.6	22.1	282	3.2	4.6
950	529	542	510	25.5	32.4	19.0	17.5	311	1.8	4.2
925	768	777	761	24.3	29.6	17.0	16.5	010	1.1	3.5
900	1005	1018	985	22.6	30.0	15.2	14.4	060	1.7	4.0
850	1501	1515	1480	19.4	27.2	11.6	11.4	084	3.5	5.1
800	2020	2036	1999	16.0	24.4	8.8	7.9	089	4.8	6.4
750	2563	2584	2539	13.0	21.8	5.6	4.3	091	4.5	6.4
700	3143	3166	3119	10.1	19.0	1.6	0.7	088	3.6	5.9
650	3755	3781	3726	7.0	15.4	-0.7	-2.8	086	3.2	5.7
600	4411	4441	4381	3.6	11.8	-4.3	-6.1	084	3.2	5.8
550	5111	5146	5076	0.0	8.8	-8.9	-9.6	085	3.6	6.4
500	5871	5915	5832	-4.3	5.0	-12.7	-13.9	086	3.8	6.8
450	6691	6744	6645	-9.0	-0.9	-16.3	-19.3	085	3.9	7.2
400	7597	7660	7550	-14.7	-6.9	-22.9	-24.4	089	3.3	7.2
350	8593	8670	8513	-21.6	-12.5	-30.3	-31.0	101	2.2	6.8
300	9715	9808	9653	-29.9	-21.1	-38.9	-38.4	156	2.1	7.0
250	10987	11103	10912	-40.2	-31.1	-49.5		174	4.2	8.3
200	12470	12610	12378	-52.7	-42.5	-64.1		172	6.7	10.6
175	13318	13473	13222	-59.8	-49.1	-70.1		168	7.2	11.4
150	14266	14470	14153	-67.2	-57.1	-79.5		166	6.4	10.9
125	15345	15540	15223	-74.4	-64.5	-88.9		152	5.0	9.6
100	16627	16844	16491	-79.4	-70.1	-89.9		115	4.9	8.3
80	17903	18148	17760	-76.4	-60.5	-88.1		101	5.5	8.2
70	18687	18979	18555	-72.0	-56.7	-85.9		102	4.5	7.5
60	19607	19896	19449	-67.2	-53.1	-82.3		097	4.0	7.2
50	20726	21038	20547	-62.8	-45.1	-78.5		103	5.0	8.0
40	22118	22443	21872	-58.4	-43.1	-73.9		100	6.7	9.7
30	23943	24250	23710	-54.4	-41.1	-69.1		098	9.9	12.7
25	25116	25424	24891	-52.6	-37.5	-65.5		098	10.7	13.4
20	26564	26878	26267	-50.3	-38.1	-61.7				
15										
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FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
551	5090	5550	4700				099	16690	-81.2

NORMALS OF RADIOSONDE DATA

MONTH : DECEMBER TIME : 1730 IST STATION : MANGALORE

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1007	1008	1005	29.8	34.4	21.8	20.2	287	2.6	3.3
1000	90	108	80	29.3	33.0	22.4	19.7	291	3.5	4.4
950	541	558	527	25.4	32.2	18.8	14.5	338	1.8	3.7
925	781	793	773	23.9	27.8	17.8	13.5	055	1.5	3.2
900	1016	1040	1003	22.3	30.8	15.2	11.7	076	2.9	4.0
850	1511	1536	1494	18.9	26.6	11.6	8.8	090	5.1	5.9
800	2029	2058	2009	15.7	25.6	7.2	4.3	091	6.1	6.9
750	2572	2602	2548	13.3	23.8	5.0	-0.6	089	4.9	6.3
700	3150	3182	3125	10.5	19.8	3.0	-3.9	084	3.6	5.6
650	3763	3794	3734	7.2	15.4	-1.0	-7.4	078	3.0	5.4
600	4417	4449	4384	3.6	11.8	-4.3	-10.1	079	2.7	5.7
550	5117	5153	5080	-0.4	8.6	-7.0	-13.1	080	2.3	6.1
500	5873	5917	5834	-4.9	4.0	-11.3	-17.2	079	1.6	6.5
450	6693	6744	6647	-9.8	0.0	-16.9	-21.9	058	0.7	6.9
400	7594	7655	7543	-15.7	-6.1	-23.0	-27.6	283	1.3	7.7
350	8587	8660	8504	-22.5	-13.9	-30.9		270	3.3	9.0
300	9705	9793	9644	-30.8	-22.1	-41.1		254	5.8	10.9
250	10972	11079	10903	-41.0	-31.7	-52.1		239	8.3	13.1
200	12452	12585	12374	-53.2	-43.1	-62.3		232	9.9	14.7
175	13297	13403	13209	-60.1	-50.7	-69.1		235	10.1	14.8
150	14245	14354	14148	-66.9	-55.9	-76.1		242	9.7	13.8
125	15329	15450	15221	-73.2	-62.1	-87.1		251	7.6	12.1
100	16615	16767	16480	-78.5	-57.9	-90.1		246	2.2	9.1
80	17894	18058	17708	-77.1	-64.1	-90.1		108	2.4	8.2
70	18673	18850	18476	-73.2	-58.1	-87.1		107	2.8	7.4
60	19590	19764	19363	-68.1	-51.7	-81.1		114	1.4	6.7
50	20700	20906	20449	-63.4	-48.3	-76.9		112	2.0	7.4
40	22096	22376	21755	-58.7	-42.1	-69.7		096	3.2	8.9
30	23905	24225	23555	-55.2	-41.1	-65.1		096	3.6	10.5
25	25073	25444	24713	-52.9	-41.3	-62.1		088	3.7	11.1
20	26490	26852	25855	-51.3	-41.1	-58.7				
15										
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FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
555	5040	5510	4700				096	16910	-80.6

NORMALS OF RADIOSONDE DATA

MONTH : JANUARY TIME : 1730 IST STATION : MINICOY

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1010	1011	1008	28.7	31.0	24.0	22.5	021	2.1	2.6
1000	87	101	72	27.8	31.0	24.0	21.9	024	2.8	3.5
950	526	556	487	23.6	32.6	18.2	18.5	033	3.9	4.6
925	771	786	763	22.2	29.0	16.2	16.1	053	3.8	4.7
900	1009	1020	996	20.3	31.8	13.8	14.3	053	3.8	4.6
850	1501	1511	1489	17.5	30.4	12.4	8.7	068	3.4	4.7
800	2018	2035	2005	15.1	29.0	8.8	3.2	076	2.8	4.8
750	2556	2578	2531	13.0	25.4	6.0	-1.4	076	2.4	5.2
700	3139	3159	3122	10.3	21.6	3.8	-4.6	076	2.7	5.6
650	3751	3779	3725	7.0	17.2	0.0	-7.9	076	3.3	6.0
600	4404	4434	4381	3.3	12.6	-4.0	-10.7	077	4.0	6.4
550	5105	5141	5082	-0.7	6.4	-7.0	-13.4	078	4.6	7.2
500	5860	5901	5828	-5.0	2.4	-11.1	-17.3	077	4.9	8.1
450	6678	6728	6640	-9.8	-1.0	-16.0	-22.4	076	4.6	8.5
400	7580	7636	7539	-15.5	-4.5	-23.0	-28.4	069	3.5	8.8
350	8572	8643	8517	-22.4	-11.1	-30.0		071	1.8	8.6
300	9691	9768	9637	-30.9	-20.0	-42.0		159	1.4	8.8
250	10956	11060	10891	-41.2	-28.3	-53.0		178	3.8	10.6
200	12434	12557	12358	-53.3	-39.1	-67.0		179	4.6	12.5
175	13278	13420	13196	-60.2	-46.7	-71.0		186	4.0	13.1
150	14217	14410	14123	-67.5	-55.1	-80.0		180	3.1	12.9
125	15293	15514	15190	-74.2	-60.0	-88.0		168	2.8	12.2
100	16579	16848	16432	-79.1	-64.3	-90.0		112	3.0	10.3
80	17849	18156	17649	-77.6	-60.0	-90.0		099	2.5	8.1
70	18620	19039	18418	-74.3	-58.0	-87.0		123	1.5	8.4
60	19528	19924	19309	-70.2	-58.9	-82.0		201	0.9	9.1
50	20627	21052	20390	-65.9	-51.5	-76.0		238	1.0	11.9
40	22003	22456	21610	-61.5	-50.7	-72.7		054	0.7	13.3
30	23810	24304	23365	-56.8	-48.1	-70.1		091	3.4	13.9
25	24979	25530	24859	-54.5	-42.5	-68.5		085	3.7	13.6
20	26422	27023	26313	-52.1	-38.9	-66.7				
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
558	4990	5390	4760				098	16740	-81.4

NORMALS OF RADIOSONDE DATA

MONTH : FEBRUARY TIME : 1730 IST STATION : MINICOY

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1009	1011	1008	29.2	31.6	25.2	22.9	008	2.3	2.7
1000	86	99	70	28.4	30.6	23.4	22.2	010	3.2	3.7
950	527	546	488	23.9	30.0	17.0	18.7	020	4.0	4.8
925	770	783	756	22.2	26.4	13.6	16.0	030	3.9	4.8
900	1009	1024	992	20.7	28.4	13.8	14.3	048	3.5	4.5
850	1502	1518	1484	18.2	28.8	10.2	8.9	074	3.7	5.0
800	2020	2038	2001	15.7	24.0	7.0	2.7	080	3.5	5.3
750	2558	2587	2533	13.2	21.2	6.8	-2.2	080	2.9	5.3
700	3142	3167	3116	10.4	18.0	4.0	-6.3	081	2.5	5.4
650	3755	3784	3715	7.2	14.6	-1.0	-10.1	079	2.6	5.7
600	4408	4444	4378	3.6	10.4	-4.0	-12.7	079	2.8	6.2
550	5110	5152	5081	-0.4	6.6	-7.1	-15.4	076	3.2	7.0
500	5864	5912	5832	-4.9	2.6	-13.0	-19.9	078	3.3	7.6
450	6683	6742	6639	-9.8	-2.5	-18.0	-23.9	072	3.1	8.2
400	7585	7648	7542	-15.3	-7.1	-24.0		062	2.6	9.1
350	8578	8658	8528	-22.2	-13.7	-30.0		061	0.8	9.4
300	9696	9787	9639	-30.7	-21.1	-39.1		178	1.6	9.7
250	10964	11069	10892	-40.7	-29.9	-50.1		174	3.3	11.2
200	12445	12568	12338	-52.8	-41.3	-63.5		169	4.1	12.7
175	13291	13452	13178	-59.8	-47.9	-70.1		163	4.2	13.1
150	14234	14432	14100	-67.1	-53.0	-78.5		151	4.4	13.5
125	15309	15506	15153	-73.9	-57.9	-88.9		138	2.9	12.2
100	16590	16822	16436	-78.3	-62.5	-90.0		110	2.8	9.8
80	17865	18108	17630	-76.9	-61.3	-88.7		116	1.9	8.4
70	18637	18907	18328	-73.6	-58.9	-87.1		210	1.0	8.5
60	19545	19811	19205	-69.6	-55.5	-82.0		246	0.9	10.2
50	20645	20918	20334	-65.6	-51.9	-80.0		189	0.4	11.6
40	22022	22382	21810	-60.6	-49.1	-80.0		112	1.0	11.9
30	23835	24273	23533	-55.7	-42.1	-72.0		089	2.2	15.1
25										
20										
15										
10										
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FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
555	5040	5510	4680				100	16640	-80.5

NORMALS OF RADIOSONDE DATA

MONTH : MARCH TIME : 1730 IST STATION : MINICOY

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1009	1010	1006	30.2	33.0	25.0	23.5	348	1.8	2.3
1000	79	96	57	29.4	32.0	19.0	23.0	351	2.5	3.2
950	518	545	483	24.8	30.0	15.0	19.8	001	3.1	4.2
925	764	779	748	23.0	27.6	16.8	17.1	014	3.0	4.1
900	1006	1018	987	21.7	29.0	12.0	15.1	043	2.7	4.1
850	1500	1514	1483	19.2	29.0	12.0	9.4	074	4.2	5.4
800	2019	2035	2002	16.6	26.0	9.0	3.7	078	5.8	7.0
750	2558	2585	2522	13.5	22.6	4.8	-0.8	078	6.2	7.5
700	3143	3165	3124	10.3	18.0	2.4	-4.9	078	5.3	6.9
650	3755	3784	3726	7.0	15.0	1.0	-8.2	080	4.5	6.4
600	4409	4442	4383	3.4	11.0	-2.5	-12.0	081	4.2	6.2
550	5109	5158	5081	-0.5	7.0	-8.0	-15.3	079	4.3	6.7
500	5865	5909	5828	-4.9	3.2	-14.1	-18.7	076	4.1	7.1
450	6683	6745	6629	-9.8	-1.7	-17.0	-23.4	069	3.5	7.4
400	7586	7654	7537	-15.6	-7.1	-24.0	-28.5	061	2.4	8.3
350	8576	8657	8510	-22.5	-13.1	-31.0		038	0.9	9.3
300	9696	9801	9625	-30.7	-19.9	-39.1		250	1.2	10.0
250	10964	11094	10879	-40.9	-28.3	-50.1		228	2.8	10.9
200	12445	12606	12347	-52.9	-37.7	-65.9		220	3.4	12.3
175	13292	13473	13194	-59.7	-44.5	-71.0		221	3.1	12.8
150	14239	14441	14128	-66.6	-51.5	-81.0		213	2.8	12.7
125	15319	15546	15153	-73.7	-59.7	-86.0		188	1.3	11.9
100	16602	16882	16399	-78.9	-64.1	-90.0		107	3.3	9.5
80	17875	18219	17654	-77.2	-57.9	-88.1		107	3.8	8.9
70	18654	19017	18400	-73.6	-60.1	-87.1		111	2.2	8.8
60	19570	19948	19073	-69.0	-53.3	-81.5		216	0.6	9.6
50	20676	21055	20464	-64.8	-48.9	-82.9		005	0.3	12.4
40	22061	22483	21790	-59.8	-46.7	-77.5		070	1.1	12.3
30	23884	24327	23539	-55.0	-37.1	-75.3		103	1.4	13.2
25	25051	25500	24675	-52.5	-37.3	-74.3		122	1.4	15.8
20	26512	26998	26095	-49.7	-33.1	-73.5		167	1.1	17.1
15										
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FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
555	5030	5640	4590				097	16820	-81.0

NORMALS OF RADIOSONDE DATA

MONTH : APRIL TIME : 1730 IST STATION : MINICOY

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1008	1009	1007	30.9	34.0	24.6	24.5	318	2.1	2.7
1000	70	79	61	30.2	34.0	24.8	24.1	318	2.7	3.6
950	512	535	473	25.7	33.2	19.2	20.9	324	3.3	4.6
925	762	769	755	23.7	29.8	18.2	18.1	331	2.7	4.7
900	999	1009	987	22.5	31.4	17.0	17.1	337	2.0	4.2
850	1495	1506	1482	20.1	32.4	14.0	12.2	039	1.8	4.5
800	2016	2028	2002	17.5	30.2	11.0	7.8	068	3.8	5.4
750	2558	2577	2537	14.4	27.0	6.8	3.1	072	5.7	6.9
700	3144	3160	3127	10.9	22.0	4.0	-1.5	075	6.5	7.6
650	3759	3778	3744	7.1	17.0	-1.0	-5.5	073	5.7	7.0
600	4411	4437	4391	3.4	11.6	-3.0	-9.0	074	4.6	6.4
550	5114	5150	5097	-0.3	7.2	-7.0	-12.9	077	3.6	6.2
500	5869	5912	5848	-4.5	4.0	-13.0	-17.0	076	3.2	6.5
450	6692	6739	6664	-9.2	-0.3	-20.0	-21.1	073	2.8	7.0
400	7593	7661	7554	-14.9	-4.1	-24.0	-26.4	072	1.7	7.4
350	8587	8660	8543	-21.7	-8.9	-32.0	-32.1	111	0.2	7.8
300	9710	9814	9641	-30.0	-15.1	-40.0	-38.8	220	1.4	8.3
250	10981	11106	10884	-40.1	-27.7	-50.0		206	3.6	9.3
200	12467	12629	12343	-52.2	-36.7	-64.0		192	4.6	11.2
175	13314	13498	13166	-59.2	-43.5	-71.0		186	4.4	11.4
150	14261	14468	14090	-66.6	-49.7	-78.1		173	3.6	11.1
125	15338	15602	15161	-74.0	-58.9	-87.0		130	3.4	9.9
100	16613	16914	16393	-79.8	-67.7	-92.0		106	5.9	9.7
80	17886	18210	17630	-76.8	-60.5	-90.0		116	3.7	8.5
70	18668	19012	18380	-72.6	-56.9	-86.3		175	1.0	8.2
60	19579	19939	19281	-68.0	-51.5	-84.7		279	1.5	9.3
50	20689	21077	20341	-63.3	-42.9	-78.5		267	1.5	11.1
40	22082	22526	21624	-58.5	-41.9	-69.0		079	2.2	13.0
30	23924	24415	23281	-53.3	-35.1	-68.1		092	5.9	16.4
25	25094	25585	24866	-50.9	-36.9	-63.1		103	6.5	17.4
20	26539	27073	26282	-48.5	-31.9	-62.3		102	8.0	18.7
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FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
554	5050	5760	4730				099	16690	-81.5

NORMALS OF RADIOSONDE DATA

MONTH : MAY TIME : 1730 IST STATION : MINICOY

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1007	1008	1006	30.4	34.4	24.0	24.8	290	3.5	4.1
1000	66	79	56	29.8	41.0	23.0	24.5	292	4.4	5.2
950	509	530	479	25.6	32.4	20.8	21.3	296	5.8	6.9
925	758	765	750	23.4	28.6	18.6	18.4	294	6.3	7.2
900	995	1010	982	22.4	31.2	16.6	17.8	297	5.7	6.8
850	1491	1508	1477	19.7	27.4	14.0	13.5	300	4.5	6.1
800	2012	2031	1997	17.0	26.0	11.4	9.4	311	2.8	5.8
750	2551	2575	2517	14.0	22.8	6.8	5.4	356	1.8	6.3
700	3139	3160	3122	10.6	19.0	3.8	1.1	035	2.0	7.2
650	3751	3779	3714	6.8	15.4	-0.5	-3.0	046	2.2	7.5
600	4406	4433	4385	3.1	11.6	-4.3	-6.8	033	1.8	7.3
550	5106	5139	5067	-0.6	8.2	-8.7	-10.5	005	1.0	6.7
500	5863	5900	5831	-4.7	5.2	-13.3	-14.4	340	0.8	6.6
450	6684	6731	6648	-9.3	-0.9	-16.0	-18.7	346	0.5	6.6
400	7587	7641	7548	-14.8	-5.3	-22.1	-23.7	020	0.1	6.5
350	8583	8656	8537	-21.5	-13.1	-29.5	-29.6	122	0.6	6.1
300	9706	9787	9649	-29.6	-19.3	-39.1	-37.5	115	1.3	6.3
250	10980	11087	10911	-39.8	-28.1	-51.3	-47.0	117	3.0	7.5
200	12465	12609	12379	-52.1	-40.5	-64.9		110	6.2	10.0
175	13313	13480	13218	-59.4	-47.9	-72.7		108	8.5	11.9
150	14260	14475	14143	-67.1	-56.3	-79.7		104	11.0	14.1
125	15329	15574	15189	-74.7	-63.3	-85.5		100	13.3	15.8
100	16602	16858	16454	-79.8	-61.9	-90.1		097	12.7	14.8
80	17874	18318	17684	-77.0	-55.1	-91.0		096	8.7	11.5
70	18659	19130	18442	-72.8	-53.1	-90.0		100	5.2	9.7
60	19567	19994	19327	-67.8	-50.1	-85.0		085	2.9	8.9
50	20674	21022	20318	-63.0	-42.7	-79.9		095	3.0	10.2
40	22044	22395	21641	-58.8	-46.5	-76.1		087	4.2	11.6
30	23876	24287	23667	-53.4	-35.9	-71.9		092	7.8	14.3
25	25058	25477	24789	-50.9	-35.1	-69.5		095	9.1	15.6
20	26526	27044	26304	-48.6	-30.7	-59.1				
15										
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FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
558	4990	5620	4640				100	16650	-82.0

NORMALS OF RADIOSONDE DATA

MONTH : JUNE TIME : 1730 IST STATION : MINICOY

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1007	1009	1006	28.9	32.4	23.8	25.0	274	6.2	6.7
1000	68	78	59	28.4	31.6	23.6	24.5	274	7.6	8.1
950	509	527	474	24.8	30.6	18.2	21.1	277	10.5	11.1
925	756	766	743	23.2	29.0	16.6	18.7	279	12.0	12.7
900	995	1004	986	21.8	29.4	15.0	17.7	283	12.5	13.1
850	1490	1498	1479	18.9	27.0	11.2	13.8	286	12.9	13.5
800	2009	2018	1996	16.0	24.4	9.0	9.6	287	12.2	12.9
750	2545	2567	2514	13.1	22.4	5.8	5.1	285	10.9	11.8
700	3133	3146	3111	9.9	20.2	3.4	0.7	282	10.0	11.2
650	3743	3762	3712	6.5	14.2	0.6	-3.2	280	9.2	10.6
600	4397	4420	4367	2.8	9.8	-4.5	-6.7	279	8.4	10.1
550	5097	5127	5064	-0.9	7.2	-10.7	-10.3	276	7.7	9.6
500	5853	5889	5818	-5.0	4.0	-15.7	-13.8	272	6.1	8.6
450	6674	6720	6632	-9.6	-0.9	-18.7	-18.0	271	4.2	7.7
400	7577	7628	7530	-15.1	-6.1	-25.3	-23.1	250	1.3	7.2
350	8573	8636	8523	-21.7	-13.3	-34.3	-29.3	096	2.7	7.7
300	9694	9778	9640	-29.8	-21.3	-43.5	-36.9	085	6.9	9.8
250	10967	11080	10901	-39.9	-30.3	-53.5	-45.9	085	11.5	13.6
200	12454	12601	12367	-52.2	-40.5	-66.7		085	19.2	20.8
175	13305	13461	13193	-59.2	-47.1	-70.3		085	24.4	25.9
150	14252	14431	14118	-66.8	-53.3	-79.0		087	30.0	31.3
125	15335	15541	15164	-74.1	-62.1	-86.5		092	33.7	34.7
100	16617	16862	16412	-77.9	-63.1	-90.0		095	27.3	28.5
80	17906	18191	17667	-74.1	-61.7	-85.5		095	16.7	18.2
70	18698	19090	18408	-70.3	-55.3	-82.1		093	13.0	14.6
60	19626	20001	19327	-66.6	-52.1	-75.9		091	10.4	12.8
50	20730	21058	20417	-63.4	-48.9	-73.7		093	10.7	13.6
40	22119	22505	21764	-59.6	-42.5	-69.7		097	12.8	15.4
30	23944	24381	23565	-54.5	-38.3	-65.3		098	15.0	18.6
25	25132	25571	24700	-52.1	-35.7	-64.7		096	17.2	20.1
20	26610	27255	26343	-49.5	-37.3	-62.5		098	19.1	23.8
15										
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7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
561	4930	5420	4570				104	16420	-79.9

NORMALS OF RADIOSONDE DATA

MONTH : JULY TIME : 1730 IST STATION : MINICOY

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1008	1009	1006	28.6	32.0	23.8	24.2	279	6.1	6.6
1000	73	87	59	28.0	31.2	20.0	24.0	282	7.4	8.0
950	513	536	480	24.3	33.0	19.2	20.5	285	10.4	11.1
925	758	762	745	22.7	27.4	18.6	18.1	284	13.1	13.8
900	997	1009	986	21.1	30.2	14.0	16.9	289	12.8	13.5
850	1491	1502	1481	18.2	26.8	12.2	13.0	292	13.6	14.2
800	2009	2022	1997	15.3	23.2	8.8	8.8	293	13.2	13.8
750	2546	2566	2509	12.4	20.4	5.2	4.4	291	12.0	12.5
700	3130	3147	3113	9.4	18.0	2.2	0.1	288	10.3	11.1
650	3739	3764	3708	5.9	16.0	-1.7	-3.7	287	8.7	9.6
600	4392	4445	4352	2.3	13.6	-4.3	-7.0	285	7.2	8.6
550	5091	5130	5054	-1.4	9.2	-9.7	-10.6	280	5.8	7.7
500	5846	5883	5819	-5.4	4.2	-13.5	-14.7	273	4.5	7.3
450	6665	6712	6628	-10.2	-1.9	-18.9	-19.1	258	2.1	6.7
400	7564	7618	7530	-15.8	-7.1	-24.3	-24.0	129	1.2	6.7
350	8557	8623	8509	-22.6	-14.1	-31.7	-30.5	099	5.9	8.5
300	9674	9748	9619	-30.7	-20.9	-42.0	-38.4	092	9.7	11.4
250	10944	11036	10872	-40.8	-30.3	-52.1	-46.9	090	15.3	16.7
200	12423	12550	12330	-53.0	-42.3	-67.0		088	23.7	25.1
175	13272	13411	13167	-60.0	-48.7	-70.9		088	29.7	30.6
150	14216	14386	14092	-67.5	-55.9	-78.0		089	35.7	36.4
125	15295	15486	15138	-74.5	-61.7	-88.0		092	39.1	39.8
100	16580	16819	16393	-76.1	-56.7	-90.0		096	28.7	29.5
80	17882	18172	17664	-71.3	-55.9	-86.0		095	18.2	19.1
70	18680	18996	18446	-68.6	-46.3	-82.9		095	15.6	16.6
60	19607	19943	19351	-65.6	-47.7	-80.5		093	15.3	16.3
50	20728	21085	20366	-62.7	-48.1	-75.1		091	16.0	17.2
40	22119	22515	21720	-59.6	-44.5	-74.1		096	18.7	19.9
30	23960	24389	23612	-55.5	-41.5	-76.1		096	22.4	23.3
25	25105	25487	24755	-53.2	-40.5	-65.1		094	24.1	25.5
20	26556	27031	26321	-51.1	-33.9	-65.5				
15										
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7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
568	4830	5320	3700				109	16130	-78.8

NORMALS OF RADIOSONDE DATA

MONTH : AUGUST TIME : 1730 IST STATION : MINICOY

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1008	1010	1007	28.6	32.2	24.0	24.2	287	5.4	5.9
1000	77	89	61	28.0	31.2	23.0	23.9	289	6.7	7.3
950	514	539	483	24.1	30.2	18.2	20.4	292	9.2	9.8
925	765	775	756	22.5	27.2	17.0	18.1	293	10.4	11.0
900	1001	1014	987	21.0	29.6	15.6	16.8	296	11.0	11.6
850	1494	1508	1480	18.1	28.6	13.0	13.0	298	11.6	12.1
800	2012	2027	1995	15.3	24.8	9.6	9.1	297	11.0	11.5
750	2548	2572	2516	12.5	21.4	4.2	4.6	293	10.0	10.6
700	3133	3150	3111	9.5	19.2	2.8	0.0	290	9.1	9.8
650	3744	3763	3721	6.1	14.0	-2.1	-3.9	287	7.9	8.8
600	4398	4418	4372	2.6	10.4	-4.0	-7.5	284	6.5	7.8
550	5097	5131	5060	-1.1	7.2	-7.5	-11.1	283	5.1	7.0
500	5852	5882	5820	-5.3	2.0	-11.3	-15.2	279	3.6	6.3
450	6671	6710	6620	-10.0	-1.7	-17.0	-19.6	272	1.2	6.1
400	7573	7617	7531	-15.6	-7.1	-23.0	-24.7	095	2.0	6.3
350	8565	8622	8502	-22.4	-11.3	-30.3	-31.3	096	5.9	8.1
300	9684	9761	9615	-30.6	-19.5	-38.5	-38.8	098	9.5	10.9
250	10953	11056	10861	-40.8	-29.7	-49.7	-47.8	098	15.4	16.5
200	12434	12578	12318	-52.9	-42.1	-64.5		092	24.3	25.2
175	13278	13477	13147	-60.0	-48.7	-71.3		091	30.4	31.2
150	14224	14469	14071	-67.2	-55.3	-77.7		091	35.4	36.1
125	15297	15603	15135	-74.1	-60.5	-87.0		093	35.4	36.5
100	16594	16953	16395	-75.2	-64.0	-86.3		096	24.9	25.8
80	17896	18272	17667	-70.7	-56.1	-80.0		094	15.1	16.2
70	18697	19098	18449	-67.9	-53.3	-77.1		095	14.7	15.6
60	19623	20037	19369	-65.5	-50.1	-75.7		095	13.8	15.0
50	20748	21209	20476	-62.6	-46.7	-75.0		093	14.3	15.4
40	22141	22648	21890	-59.4	-43.7	-73.0		096	16.2	17.9
30	23975	24523	23779	-55.8	-39.7	-65.1		099	18.9	20.0
25	25140	25683	24921	-53.3	-41.5	-61.7		096	21.7	23.1
20	26591	27188	26355	-50.8	-36.7	-59.3		098	25.5	26.4
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
564	4890	5350	4510				110	16050	-77.9

NORMALS OF RADIOSONDE DATA

MONTH : SEPTEMBER TIME : 1730 IST STATION : MINICOY

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1009	1010	1007	28.6	31.6	22.4	24.2	297	4.3	4.8
1000	77	88	61	28.1	31.0	22.6	23.7	297	5.7	6.2
950	518	542	483	24.1	30.4	18.0	20.2	301	7.1	7.7
925	765	775	757	22.7	28.6	16.6	17.4	301	7.7	8.4
900	1001	1015	988	21.0	30.6	12.2	16.6	302	7.9	8.5
850	1495	1509	1480	18.2	28.0	10.0	12.9	300	7.8	8.4
800	2013	2029	1996	15.4	25.4	7.0	8.8	296	7.4	8.0
750	2550	2576	2510	12.6	22.8	4.6	4.6	293	6.8	7.5
700	3134	3155	3115	9.6	19.6	2.0	0.3	290	6.4	7.3
650	3745	3770	3715	6.4	16.6	-2.0	-3.8	288	5.8	7.2
600	4399	4425	4372	2.9	10.4	-4.0	-7.4	289	4.6	6.5
550	5099	5127	5064	-0.8	6.6	-7.1	-10.8	292	3.1	5.7
500	5855	5889	5817	-5.0	1.8	-12.3	-14.8	309	1.2	5.2
450	6674	6721	6626	-9.8	-2.7	-17.5	-20.0	077	0.7	5.3
400	7578	7621	7538	-15.3	-6.9	-22.3	-25.4	090	3.2	6.1
350	8569	8634	8511	-22.2	-14.1	-29.0	-31.8	096	5.6	7.4
300	9691	9767	9627	-30.5	-20.5	-39.0	-39.5	101	8.7	9.8
250	10960	11056	10876	-40.8	-29.3	-50.1		101	13.4	14.4
200	12439	12564	12344	-53.1	-39.7	-63.7		097	20.3	21.3
175	13284	13429	13158	-60.1	-45.7	-69.7		096	24.5	25.4
150	14228	14387	14091	-67.4	-51.9	-76.5		096	27.6	28.6
125	15301	15485	15151	-73.9	-57.5	-85.0		097	26.6	27.7
100	16596	16794	16452	-75.4	-59.1	-86.9		098	18.2	19.2
80	17896	18108	17756	-71.4	-50.5	-82.7		095	12.5	13.8
70	18695	18929	18538	-68.6	-53.1	-86.9		094	11.0	12.3
60	19625	19863	19475	-65.9	-53.7	-78.3		093	10.9	12.5
50	20742	20996	20559	-62.8	-50.3	-72.9		096	12.5	14.0
40	22127	22436	21922	-59.8	-48.0	-73.0		099	13.4	15.3
30	23949	24328	23711	-56.0	-42.5	-69.7		097	17.7	19.4
25	25093	25522	24780	-54.1	-43.5	-66.5		097	18.5	20.4
20	26538	26999	26367	-51.7	-40.9	-64.5				
15	28389	29076	28204	-48.9	-39.1	-61.5				
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
561	4950	5280	4610				111	16050	-77.6

NORMALS OF RADIOSONDE DATA

MONTH : OCTOBER TIME : 1730 IST STATION : MINICOY

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1008	1010	1007	28.5	31.4	23.0	23.9	288	2.6	3.4
1000	77	92	61	27.9	30.4	23.6	23.5	289	3.4	4.4
950	515	539	477	24.0	29.4	19.0	20.2	292	4.3	5.8
925	762	780	747	22.4	28.4	17.8	17.7	283	4.9	6.7
900	1001	1019	985	21.0	27.2	13.8	16.5	292	4.2	6.1
850	1495	1514	1478	18.3	27.0	11.6	12.4	292	3.6	6.1
800	2013	2033	1995	15.6	28.0	10.2	8.7	291	3.1	6.1
750	2551	2576	2525	12.7	23.0	7.8	4.5	292	3.1	6.2
700	3135	3158	3115	9.7	22.0	4.0	0.6	291	2.9	6.2
650	3747	3769	3726	6.4	18.0	0.0	-3.2	292	2.4	6.2
600	4401	4427	4377	2.8	13.2	-3.3	-6.5	295	1.5	5.9
550	5101	5133	5075	-0.9	9.4	-6.7	-10.2	298	0.6	5.5
500	5856	5885	5828	-5.1	5.6	-11.3	-14.6	066	0.6	5.3
450	6675	6721	6640	-9.8	1.0	-16.5	-19.6	085	1.5	5.5
400	7577	7616	7544	-15.4	-5.1	-21.9	-25.2	089	2.7	5.7
350	8570	8626	8519	-22.3	-12.1	-30.0	-31.2	099	4.0	6.3
300	9690	9756	9645	-30.6	-22.1	-41.5	-38.8	104	5.8	7.6
250	10959	11052	10901	-40.8	-31.9	-51.0	-47.6	104	9.0	10.6
200	12438	12553	12364	-53.2	-43.5	-64.1		100	13.0	14.8
175	13284	13419	13196	-60.3	-50.1	-72.0		102	15.1	17.0
150	14223	14388	14120	-67.7	-56.9	-81.0		102	16.9	19.0
125	15301	15504	15180	-74.5	-63.3	-85.5		103	15.6	17.6
100	16582	16830	16443	-78.2	-63.7	-88.3		100	10.7	12.7
80	17867	18133	17702	-74.5	-55.7	-90.0		096	7.3	9.9
70	18658	18947	18479	-71.3	-54.1	-82.9		101	6.3	9.5
60	19573	19832	19378	-67.9	-50.5	-80.7		099	6.3	9.8
50	20677	20957	20433	-64.6	-47.5	-76.0		100	8.4	11.3
40	22051	22382	21801	-61.1	-46.9	-73.7		097	10.2	13.0
30	23862	24303	23602	-56.9	-42.1	-68.3		099	12.1	15.0
25	25020	25489	24738	-54.7	-38.3	-67.1		101	13.7	17.5
20	26461	26915	26148	-52.3	-37.5	-65.7		102	14.6	18.9
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
562	4930	5290	4700				105	16370	-79.8

NORMALS OF RADIOSONDE DATA

MONTH : NOVEMBER TIME : 1730 IST STATION : MINICOY

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1009	1010	1007	28.4	31.0	23.6	23.6	315	1.1	2.4
1000	79	92	64	27.8	30.4	23.8	23.1	327	1.5	3.3
950	517	548	483	24.0	29.2	17.8	19.9	342	2.0	4.6
925	762	778	747	22.5	26.8	16.6	17.0	001	2.2	5.0
900	1003	1018	985	20.9	27.4	15.0	16.0	001	1.7	4.9
850	1496	1512	1479	18.1	26.0	12.0	11.8	015	1.3	4.9
800	2014	2030	1997	15.3	22.4	9.0	7.7	010	0.9	5.0
750	2551	2572	2520	12.6	20.0	6.8	3.5	354	0.8	5.1
700	3135	3156	3117	9.7	17.8	3.0	-0.4	352	0.9	5.4
650	3747	3777	3726	6.6	15.8	0.0	-3.7	012	0.8	5.6
600	4400	4425	4380	3.1	11.0	-3.1	-6.9	060	1.3	5.9
550	5101	5132	5062	-0.8	8.0	-8.1	-10.6	074	2.2	6.0
500	5857	5888	5829	-5.0	4.4	-13.0	-14.8	078	3.0	6.3
450	6676	6716	6622	-9.8	-2.3	-16.5	-19.4	080	3.8	6.8
400	7579	7629	7539	-15.6	-7.7	-23.3	-25.3	084	4.2	7.0
350	8571	8637	8511	-22.5	-13.7	-33.0	-31.5	092	4.1	7.1
300	9690	9771	9627	-30.7	-21.5	-40.0	-39.0	109	4.4	7.4
250	10958	11063	10880	-40.9	-29.5	-50.5		124	6.2	9.4
200	12439	12581	12338	-53.2	-41.5	-65.0		129	8.0	12.2
175	13280	13452	13168	-60.2	-49.5	-74.0		130	8.1	12.8
150	14223	14431	14089	-67.6	-54.5	-82.0		131	6.6	11.7
125	15298	15519	15137	-75.0	-60.5	-90.0		120	5.3	9.8
100	16573	16870	16359	-80.4	-61.0	-91.0		105	6.5	9.2
80	17833	18159	17624	-76.9	-63.5	-90.0		102	5.5	8.4
70	18619	18943	18383	-72.2	-59.7	-83.0		104	4.1	8.0
60	19533	19871	19275	-68.0	-53.7	-79.3		107	3.7	9.8
50	20646	20999	20391	-64.0	-53.7	-74.9		106	4.3	10.5
40	22025	22556	21860	-60.0	-50.5	-69.9		105	5.8	11.8
30	23851	24409	23690	-56.0	-42.7	-68.3		100	10.8	16.0
25	25001	25610	24810	-54.1	-42.7	-65.7				
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
560	4960	5350	4590				099	16640	-82.4

NORMALS OF RADIOSONDE DATA

MONTH : DECEMBER TIME : 1730 IST STATION : MINICOY

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1009	1011	1009	28.6	34.4	23.6	23.0	037	1.4	2.3
1000	86	97	74	27.9	30.8	23.0	22.5	038	2.2	3.3
950	526	555	487	24.0	29.8	19.0	19.2	043	3.3	4.6
925	772	783	768	22.2	26.6	17.2	16.5	053	3.0	4.6
900	1010	1022	999	20.8	30.4	15.0	15.3	059	3.3	4.7
850	1503	1513	1489	18.0	27.4	11.0	10.5	072	3.0	4.8
800	2020	2029	2003	15.3	24.8	8.0	6.3	077	2.5	4.9
750	2558	2574	2530	12.8	22.0	6.8	1.8	080	2.7	5.2
700	3141	3158	3118	10.0	19.0	2.6	-1.7	081	3.2	5.5
650	3754	3771	3727	6.7	16.0	-3.5	-5.3	081	3.9	5.9
600	4406	4432	4374	3.0	10.0	-4.1	-8.9	084	4.6	6.4
550	5106	5139	5067	-1.0	6.0	-7.7	-12.7	086	5.0	7.0
500	5861	5900	5820	-5.3	1.2	-12.0	-16.5	086	5.4	7.6
450	6679	6723	6629	-10.3	-2.9	-18.0	-21.3	085	5.2	7.7
400	7580	7634	7530	-15.9	-8.1	-24.5	-26.4	084	4.6	7.9
350	8571	8635	8516	-22.8	-12.5	-32.1	-32.9	098	3.7	8.1
300	9687	9777	9629	-31.1	-19.1	-41.1	-39.8	139	3.3	8.2
250	10953	11069	10880	-41.4	-27.1	-52.3		164	5.1	9.7
200	12428	12583	12337	-53.6	-36.7	-65.3		172	5.7	11.8
175	13271	13459	13172	-60.6	-49.1	-71.9		183	5.4	12.2
150	14211	14429	14102	-67.7	-55.7	-78.0		193	4.6	12.2
125	15284	15550	15153	-74.5	-59.5	-84.7		211	2.8	10.5
100	16565	16868	16401	-80.1	-62.5	-88.9		119	2.6	9.4
80	17826	18179	17614	-78.4	-58.7	-91.0		110	4.1	8.6
70	18600	19012	18387	-74.6	-56.5	-90.0		109	2.9	8.2
60	19508	19889	19275	-70.4	-53.7	-87.0		107	1.4	8.6
50	20602	21043	20267	-65.7	-50.9	-81.0		144	1.2	9.8
40	21980	22450	21608	-61.6	-48.9	-73.0		115	1.1	10.9
30	23788	24303	23318	-57.2	-46.7	-68.9		097	4.4	14.3
25	24963	25439	24350	-54.6	-42.1	-67.1				
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
562	4930	5460	4570				096	16790	-82.5

NORMALS OF RADIOSONDE DATA

MONTH : JANUARY TIME : 1730 IST STATION : MOHANBARI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1001	1003	999	18.6	29.8	8.2	11.6	042	0.4	0.4
1000	120	134	102	18.7	24.0	12.6	11.2	036	0.5	0.7
950	535	566	516	16.6	23.4	8.6	7.8	054	1.4	2.5
925	767	790	744	14.8	21.2	7.2	7.1	069	1.3	2.2
900	1018	1034	1000	13.3	21.0	5.4	4.1	074	1.1	2.3
850	1497	1511	1476	10.1	18.4	2.6	0.1	158	0.6	2.4
800	1998	2019	1975	6.6	16.4	-0.1	-3.8	201	2.0	3.4
750	2518	2537	2505	2.8	10.4	-3.9	-6.8	207	3.5	4.8
700	3079	3106	3052	-1.1	8.8	-7.7	-10.6	216	4.1	5.8
650	3661	3687	3636	-4.9	9.2	-11.5	-14.1	233	4.7	7.0
600	4294	4328	4264	-7.9	4.8	-15.7	-18.1	252	8.6	10.5
550	4980	5027	4938	-10.7	1.4	-20.5	-22.7	258	13.9	15.2
500	5696	5742	5659	-14.6	0.2	-27.5	-27.9	265	18.0	19.1
450	6490	6543	6448	-19.7	-5.9	-34.5	-32.3	268	21.7	23.0
400	7353	7410	7306	-25.6	-11.9	-38.7		269	26.7	28.1
350	8311	8382	8255	-32.1	-17.9	-44.9		269	33.1	35.0
300	9385	9455	9310	-38.7	-24.9	-52.7		269	41.1	43.3
250	10616	10703	10514	-46.0	-34.3	-59.9		266	47.5	49.8
200	12075	12199	11934	-54.0	-44.3	-66.5		261	49.7	52.0
175	12922	13048	12773	-58.5	-46.1	-72.1		262	47.7	49.5
150	13873	14018	13730	-62.9	-51.7	-73.9				
125	14980	15129	14848	-67.7	-56.3	-79.5				
100	16308	16523	16124	-71.3	-61.3	-83.5				
80	17627	17855	17398	-71.2	-61.5	-81.7				
70	18423	18630	18190	-69.4	-54.9	-83.3				
60	19345	19518	19065	-66.4	-54.1	-77.1				
50	20458	20657	20138	-62.8	-50.9	-74.3				
40										
30										
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
711	2950	3280	2680				105	16080	-72.4

NORMALS OF RADIOSONDE DATA

MONTH : FEBRUARY TIME : 1730 IST STATION : MOHANBARI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	999	1001	996	20.7	29.8	12.8	12.8	044	1.0	1.2
1000	102	122	75	19.9	26.0	13.8	12.4	045	1.2	1.3
950	523	546	489	17.9	25.6	10.2	9.1	060	2.3	3.4
925	759	773	730	16.3	24.0	8.6	8.8	077	1.7	2.9
900	1004	1023	973	14.5	22.2	7.0	6.1	096	1.3	2.8
850	1485	1504	1451	11.0	19.0	3.8	2.7	212	2.1	3.4
800	1988	2013	1954	7.3	15.8	0.2	-0.9	221	4.6	5.3
750	2510	2545	2483	3.4	12.8	-5.1	-4.5	222	6.5	7.2
700	3072	3109	3036	-0.6	7.8	-9.7	-8.0	226	7.5	8.5
650	3655	3703	3620	-4.6	3.8	-13.5	-11.8	235	8.2	9.3
600	4288	4338	4247	-8.2	2.6	-16.7	-15.7	248	10.5	11.6
550	4971	5032	4911	-11.3	1.8	-21.9	-20.4	254	15.4	16.4
500	5687	5751	5625	-15.2	-1.1	-25.7	-26.2	260	19.7	20.8
450	6480	6558	6407	-20.2	-4.5	-30.5	-31.0	265	22.6	23.5
400	7342	7411	7261	-26.1	-9.9	-36.5	-36.0	267	26.7	27.8
350	8297	8386	8197	-32.6	-15.9	-45.3		268	32.0	33.5
300	9367	9445	9261	-39.0	-22.9	-53.5		267	40.5	42.4
250	10596	10704	10493	-45.5	-31.5	-60.7		265	49.0	50.7
200	12057	12221	11944	-53.2	-41.9	-65.1				
175	12908	13087	12786	-57.4	-49.1	-69.3				
150	13872	14100	13755	-62.2	-52.5	-73.1				
125	14980	15322	14843	-67.2	-54.9	-79.1				
100	16314	16603	16131	-71.1	-58.3	-80.5				
80	17621	17817	17448	-71.2	-53.7	-81.7				
70	18416	18557	18206	-69.0	-49.5	-78.9				
60	19339	19505	19111	-65.6	-51.1	-76.5				
50	20462	20652	20207	-61.4	-48.1	-72.1				
40										
30										
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
705	3010	3520	2630				100	16310	-72.8

NORMALS OF RADIOSONDE DATA

MONTH : MARCH TIME : 1730 IST STATION : MOHANBARI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	996	1000	992	23.2	30.4	16.4	15.2	047	2.1	2.3
1000	78	110	41							
950	504	528	477	20.7	29.4	12.0	12.1	061	3.4	4.6
925	736	755	720	19.0	26.6	10.6	11.5	077	2.8	4.1
900	989	1019	961	17.5	25.6	9.0	9.0	092	1.8	3.8
850	1475	1505	1451	14.2	21.8	5.0	5.8	219	2.4	4.2
800	1985	2014	1963	10.6	18.2	1.0	2.6	228	6.0	6.8
750	2512	2536	2489	6.8	13.8	-3.1	-1.0	231	8.6	9.2
700	3083	3108	3066	2.7	9.6	-7.7	-4.5	233	9.9	10.7
650	3670	3701	3655	-1.4	6.4	-11.9	-8.3	238	11.3	12.3
600	4312	4335	4294	-5.4	2.2	-14.9	-12.3	246	12.5	13.5
550	5003	5043	4962	-9.1	1.4	-19.5	-16.6	253	14.9	15.9
500	5726	5752	5699	-12.9	-4.1	-23.7	-22.6	259	17.7	18.7
450	6524	6558	6483	-18.1	-8.1	-29.9	-29.0	266	19.7	20.7
400	7393	7419	7348	-24.4	-12.7	-35.1	-34.3	270	22.4	23.8
350	8351	8388	8286	-31.6	-19.1	-43.3	-40.7	272	26.1	28.2
300	9428	9479	9360	-38.9	-25.5	-51.9		269	30.9	33.5
250	10659	10729	10565	-46.5	-33.1	-58.3		265	37.1	39.6
200	12113	12208	11992	-53.9	-39.5	-66.7		263	41.8	44.0
175	12962	13093	12830	-57.6	-42.5	-71.1		264	41.7	43.5
150	13923	14106	13778	-62.1	-48.3	-73.7				
125	15038	15275	14886	-66.8	-54.3	-77.5				
100	16379	16666	16220	-70.5	-57.1	-80.9				
80	17704	18073	17539	-70.9	-59.3	-83.7				
70	18495	18910	18325	-69.1	-55.9	-83.7				
60	19422	19836	19237	-65.8	-52.7	-77.7				
50	20544	20953	20204	-61.9	-48.9	-73.9				
40	21935	22322	21589	-58.1	-43.3	-68.3				
30										
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
667	3460	3720	3130	217 1	1620	-57.2	102	16360	-72.4

NORMALS OF RADIOSONDE DATA

MONTH : APRIL TIME : 1730 IST STATION : MOHANBARI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	994	996	992	25.4	34.8	17.4	17.9	046	1.8	2.1
1000	56	78	38							
950	484	508	463	23.0	36.0	14.6	15.9	060	3.5	4.8
925	724	741	714	22.0	34.2	13.4	14.7	074	2.3	3.8
900	976	995	957	20.1	32.0	11.8	13.1	086	1.9	3.8
850	1466	1487	1448	17.0	29.6	9.4	10.0	210	2.3	4.4
800	1982	2003	1965	13.7	24.0	5.8	6.9	224	5.8	6.8
750	2514	2533	2496	10.0	19.0	2.0	3.6	229	8.4	9.2
700	3093	3116	3075	6.0	15.4	-2.1	-0.2	234	9.8	10.8
650	3690	3715	3666	2.0	11.4	-5.9	-4.1	239	10.0	11.1
600	4340	4363	4317	-1.9	7.0	-9.9	-8.0	246	9.7	11.0
550	5038	5080	5005	-5.7	5.0	-14.5	-13.0	251	10.6	12.2
500	5770	5805	5734	-9.8	0.0	-19.1	-19.2	256	11.6	13.2
450	6579	6640	6533	-14.9	-5.3	-24.9	-25.0	263	12.9	14.7
400	7460	7516	7408	-21.3	-10.5	-37.1	-30.1	267	15.9	17.7
350	8433	8496	8364	-28.3	-16.9	-39.9	-36.6	272	19.4	21.6
300	9521	9607	9440	-36.1	-22.9	-50.3	-43.9	270	24.2	26.6
250	10764	10860	10656	-44.7	-32.5	-59.1		266	29.7	31.8
200	12231	12443	12092	-53.4	-40.7	-65.9		265	33.4	35.1
175	13085	13322	12929	-57.7	-46.7	-68.5		266	32.0	33.3
150	14045	14338	13902	-62.4	-52.5	-71.9		266	29.6	30.8
125	15152	15443	14974	-67.6	-58.5	-77.1				
100	16482	16763	16371	-72.3	-62.1	-81.9				
80	17790	18099	17669	-73.2	-59.9	-84.1				
70	18529	18798	17640	-71.4	-57.1	-82.3				
60	19495	19716	19238	-67.5	-53.5	-80.5				
50	20615	20836	20329	-62.5	-52.1	-74.3				
40	21998	22230	21683	-58.0	-47.9	-66.1				
30										
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
623	4030	4490	3530				099	16580	-74.0

NORMALS OF RADIOSONDE DATA

MONTH : MAY TIME : 1730 IST STATION : MOHANBARI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	991	994	989	27.7	35.2	19.0	21.7	045	1.0	1.5
1000	32	55	12							
950	466	489	441	25.5	36.0	16.2	19.7	069	1.5	3.6
925	712	724	693	24.1	33.8	15.2	18.1	094	1.6	3.5
900	960	978	939	22.5	32.4	12.6	16.7	140	1.0	3.3
850	1456	1473	1435	19.5	28.8	10.0	13.5	214	2.6	4.1
800	1976	1992	1957	16.4	24.8	7.2	10.0	222	4.7	5.7
750	2514	2537	2485	12.9	20.8	5.4	6.8	226	5.6	6.6
700	3100	3128	3083	9.4	17.2	3.0	3.3	230	5.9	7.1
650	3707	3742	3684	5.7	13.4	-1.3	-0.2	235	5.2	6.6
600	4362	4400	4338	2.0	10.6	-5.3	-4.1	245	5.0	7.0
550	5072	5104	5041	-1.6	7.2	-9.1	-8.7	251	6.3	8.3
500	5814	5860	5784	-5.7	2.0	-13.7	-13.8	254	7.8	9.8
450	6638	6682	6607	-10.3	-1.9	-18.5	-19.3	259	9.1	11.0
400	7535	7580	7510	-15.9	-6.3	-26.3	-25.5	262	11.3	13.1
350	8529	8572	8497	-22.5	-13.1	-34.3	-32.1	264	14.7	16.8
300	9644	9698	9607	-30.2	-21.1	-42.9	-38.8	265	18.7	20.9
250	10918	11023	10866	-39.5	-30.7	-52.5		265	22.5	24.1
200	12411	12528	12353	-50.5	-41.1	-64.1		263	23.9	25.4
175	13270	13407	13177	-56.6	-46.9	-67.9		265	23.3	24.9
150	14231	14407	14116	-62.8	-45.9	-74.5		268	20.5	22.2
125	15334	15423	15226	-69.0	-57.7	-81.0		274	16.1	17.9
100	16652	16827	16554	-74.3	-63.1	-86.5		273	8.1	11.6
80	17950	18221	17788	-74.5	-62.5	-88.1		266	2.3	6.7
70	18734	19026	18542	-71.9	-56.5	-84.5				
60	19644	19938	19398	-67.2	-50.9	-79.1				
50	20756	21049	20462	-61.6	-48.1	-80.5				
40	22144	22424	21842	-57.1	-47.5	-72.1				
30	23981	24315	23614	-53.6	-44.3	-66.9				
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
572	4760	5200	4470				097	16870	-75.9

NORMALS OF RADIOSONDE DATA

MONTH : JUNE TIME : 1730 IST STATION : MOHANBARI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	987	989	985	29.3	38.0	21.2	23.3	048	1.2	1.8
1000	10	27	0							
950	434	475	403	27.4	38.0	19.4	22.4	077	1.6	3.5
925	689	711	672	25.5	31.2	18.6	21.3	117	1.3	3.4
900	931	957	905	24.6	33.0	17.6	19.6	159	1.2	3.4
850	1432	1458	1404	21.7	29.4	14.4	16.6	216	2.8	4.3
800	1956	1983	1932	18.6	26.2	11.8	13.7	218	4.3	5.5
750	2506	2532	2481	15.5	24.0	7.8	10.9	219	5.0	6.2
700	3092	3116	3068	12.3	21.0	4.6	7.5	219	5.2	6.4
650	3708	3744	3679	9.0	16.8	0.8	4.0	221	4.8	6.1
600	4371	4400	4347	5.6	12.2	-2.7	0.0	229	4.6	6.3
550	5094	5145	5048	2.0	9.2	-4.9	-4.3	237	4.7	6.8
500	5844	5881	5817	-2.1	4.2	-10.7	-9.0	243	5.4	7.4
450	6681	6738	6640	-6.5	3.4	-15.1	-14.4	251	5.4	7.5
400	7589	7645	7557	-11.7	-4.3	-21.5	-20.1	255	6.1	8.2
350	8603	8653	8565	-18.0	-9.1	-27.9	-26.8	262	6.9	9.1
300	9736	9790	9701	-25.9	-14.7	-34.9	-34.7	267	7.5	10.1
250	11028	11089	10988	-35.8	-28.1	-45.9	-43.8	270	8.6	11.4
200	12538	12596	12486	-48.4	-39.1	-60.5		280	9.1	12.4
175	13402	13478	13344	-55.8	-45.3	-65.7		292	8.8	12.7
150	14366	14474	14306	-63.3	-45.9	-73.7		308	7.9	12.5
125	15464	15615	15396	-71.0	-62.7	-83.1		332	5.7	10.3
100	16768	16913	16682	-76.5	-66.1	-83.9		040	4.4	9.6
80	18056	18272	17927	-75.9	-64.3	-86.3		078	7.7	9.9
70	18840	19180	18712	-71.9	-59.5	-84.3				
60	19756	19980	19580	-66.9	-52.7	-77.5				
50	20872	21117	20664	-61.1	-43.7	-71.9				
40	22269	22561	22038	-56.4	-41.5	-67.5				
30	24111	24543	23824	-52.5	-39.7	-60.1				
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
525	5460	5930	5140				099	16890	-78.0

NORMALS OF RADIOSONDE DATA

MONTH : JULY TIME : 1730 IST STATION : MOHANBARI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	987	990	985	29.3	36.4	22.6	25.0	048	1.2	1.7
1000	7	21	0							
950	434	463	410	27.4	35.8	19.8	23.0	079	1.4	3.4
925	678	700	658	26.4	34.4	19.2	21.6	151	0.7	3.2
900	932	942	920	24.6	33.0	18.4	20.0	198	1.8	3.7
850	1432	1445	1420	21.8	29.6	15.6	17.3	223	4.1	5.3
800	1957	1972	1945	18.9	26.8	12.2	14.4	223	5.3	6.3
750	2510	2528	2495	15.9	23.8	10.2	11.8	222	5.5	6.4
700	3095	3116	3081	12.8	20.2	6.8	8.7	224	5.0	6.3
650	3714	3745	3694	9.7	16.8	2.6	5.1	224	3.9	5.6
600	4377	4407	4360	6.4	13.4	1.0	1.3	226	3.2	5.4
550	5101	5136	5063	2.8	9.8	-3.9	-2.8	232	2.7	5.6
500	5854	5894	5824	-1.3	4.8	-9.1	-7.3	236	2.1	5.5
450	6694	6738	6659	-5.6	1.8	-14.5	-12.7	251	1.4	5.4
400	7605	7656	7554	-10.7	-2.3	-21.5	-18.6	294	1.2	5.3
350	8621	8680	8556	-17.1	-10.1	-29.7	-25.6	339	1.8	5.7
300	9761	9831	9678	-25.0	-15.5	-39.1	-33.8	360	2.5	6.9
250	11061	11144	10946	-35.1	-26.1	-50.1	-43.0	017	4.0	8.8
200	12578	12675	12410	-47.8	-38.7	-65.5		030	5.6	10.5
175	13448	13587	13285	-55.1	-43.9	-73.9		036	6.7	11.4
150	14414	14557	14231	-63.1	-50.1	-80.5		042	8.3	12.5
125	15515	15714	15361	-70.6	-58.9	-82.1		054	10.3	12.7
100	16814	16930	16663	-75.9	-62.7	-85.1		064	12.4	13.7
80	18106	18257	17963	-74.3	-55.1	-86.7		079	14.4	15.2
70	18896	19125	18699	-70.2	-54.3	-81.7		081	15.7	16.1
60	19818	20080	19657	-65.3	-48.9	-76.9				
50	20939	21233	20719	-60.7	-45.5	-72.1				
40	22340	22678	22066	-56.7	-40.5	-66.1				
30	24169	24612	23811	-52.7	-36.9	-58.9				
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
515	5630	5940	5250				101	16800	-77.2

NORMALS OF RADIOSONDE DATA

MONTH : AUGUST TIME : 1730 IST STATION : MOHANBARI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	988	990	986	29.9	35.6	23.0	25.3	041	0.7	1.2
1000	11	92	0							
950	440	479	383	27.9	37.6	21.6	22.9	062	0.9	3.0
925	689	714	621	26.5	36.6	20.6	21.3	123	0.5	3.0
900	939	961	851	25.1	35.0	19.2	19.8	176	0.7	3.2
850	1440	1461	1356	22.4	31.6	16.2	16.6	215	2.2	4.0
800	1966	1987	1886	19.5	28.4	12.8	13.9	214	3.3	4.5
750	2517	2542	2446	16.4	25.8	10.2	10.9	211	3.7	4.8
700	3104	3129	3030	13.1	23.2	6.6	7.6	213	3.4	5.0
650	3722	3756	3655	9.8	20.4	3.8	4.0	210	2.7	4.6
600	4387	4424	4316	6.4	16.0	0.4	0.2	207	2.1	4.8
550	5113	5153	5034	2.7	13.2	-3.9	-3.5	209	1.4	4.8
500	5864	5917	5797	-1.3	7.6	-7.7	-7.9	203	0.9	4.9
450	6704	6763	6650	-5.7	2.0	-13.7	-12.9	196	0.6	4.6
400	7614	7692	7552	-10.8	-2.7	-18.1	-19.1	351	0.0	4.8
350	8629	8720	8569	-17.2	-8.9	-25.9	-26.1	018	1.2	5.3
300	9767	9873	9707	-25.3	-16.9	-37.3	-34.2	033	2.6	6.2
250	11064	11197	10998	-35.5	-25.9	-49.7	-43.5	027	3.4	7.6
200	12577	12725	12495	-48.3	-39.1	-59.9		033	5.2	9.4
175	13442	13598	13356	-55.7	-44.9	-67.5		038	6.4	10.9
150	14408	14571	14325	-63.6	-54.3	-76.1		046	7.9	11.6
125	15505	15682	15409	-71.3	-55.1	-84.5		057	9.7	12.1
100	16806	17007	16700	-76.1	-63.3	-85.3		072	11.7	12.9
80	18105	18335	17964	-73.2	-55.9	-84.5		081	13.7	14.1
70	18903	19125	18779	-69.1	-52.1	-81.9				
60	19823	20068	19682	-64.7	-51.5	-80.5				
50	20953	21271	20742	-60.2	-40.5	-79.9				
40	22346	22756	22030	-56.9	-43.5	-75.9				
30	24170	24613	23849	-53.6	-38.5	-63.9				
25	25342	25830	25010	-51.7	-42.7	-61.1				
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
515	5620	6270	5310				103	16670	-77.2

NORMALS OF RADIOSONDE DATA

MONTH : SEPTEMBER TIME : 1730 IST STATION : MOHANBARI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	992	993	990	28.2	35.2	20.8	24.0	045	0.7	1.0
1000	37	62	25							
950	464	496	394	26.2	33.2	19.0	21.6	078	1.1	2.9
925	700	731	633	25.2	32.0	17.4	19.8	117	0.8	2.7
900	965	978	881	23.4	30.8	15.4	18.2	157	0.9	2.9
850	1464	1476	1378	20.6	28.6	13.0	15.0	211	2.3	3.7
800	1986	2000	1900	17.6	25.4	10.4	12.0	216	3.4	4.5
750	2529	2553	2443	14.4	21.2	7.4	9.1	217	4.3	5.3
700	3117	3135	3029	11.0	19.0	3.6	5.8	224	4.3	5.5
650	3727	3752	3640	7.5	14.0	1.0	2.1	227	3.8	5.4
600	4388	4409	4301	4.1	10.2	-2.9	-1.7	235	4.0	5.8
550	5106	5144	5005	0.3	7.8	-9.3	-5.8	241	4.2	6.3
500	5852	5887	5753	-3.7	3.6	-14.1	-10.4	249	4.4	6.4
450	6684	6737	6581	-8.1	0.0	-16.7	-15.9	255	4.5	6.8
400	7586	7635	7490	-13.5	-3.5	-23.5	-22.1	261	4.8	7.2
350	8589	8637	8487	-20.3	-9.7	-29.1	-29.0	270	5.5	8.1
300	9716	9795	9610	-28.4	-17.5	-37.9	-36.9	275	6.3	9.6
250	10997	11089	10893	-38.7	-27.9	-50.5		282	7.0	11.0
200	12486	12621	12385	-51.4	-41.9	-64.7		288	7.7	12.3
175	13338	13493	13239	-58.6	-48.9	-69.5		297	6.8	11.6
150	14289	14448	14193	-66.1	-55.9	-76.1		305	5.3	10.6
125	15376	15591	15290	-73.1	-63.1	-83.7		310	3.1	9.1
100	16664	16903	16514	-77.1	-63.9	-87.7		070	1.3	7.4
80	17956	18234	17765	-73.1	-55.5	-82.9				
70	18754	19043	18604	-68.4	-48.1	-78.7				
60	19679	19878	19556	-64.3	-45.1	-83.9				
50	20800	21018	20652	-60.3	-45.1	-74.5				
40	22198	22462	22053	-57.3	-46.1	-68.1				
30	24024	24515	23771	-53.8	-40.7	-61.3				
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
545	5170	5520	4750				106	16400	-77.9

NORMALS OF RADIOSONDE DATA

MONTH : OCTOBER TIME : 1730 IST STATION : MOHANBARI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	996	999	994	26.4	35.4	19.8	21.7	045	0.4	0.5
1000	75	103	54							
950	500	538	464	24.4	33.2	16.8	18.0	056	1.4	2.4
925	739	769	699	23.3	29.4	15.4	16.4	070	1.1	2.3
900	1005	1127	981	21.6	30.8	14.8	13.8	087	0.8	2.4
850	1494	1519	1476	18.6	28.2	10.4	9.5	187	1.0	2.8
800	2011	2036	1996	15.3	28.4	7.4	6.1	206	2.6	3.7
750	2546	2562	2517	11.7	21.4	4.8	2.7	210	3.8	4.9
700	3129	3146	3117	7.9	16.2	0.2	-1.2	221	4.2	5.3
650	3729	3746	3697	4.1	12.8	-4.3	-4.9	236	4.7	6.0
600	4383	4407	4364	0.3	9.4	-8.7	-8.2	247	6.2	7.5
550	5092	5128	5062	-3.1	7.2	-12.3	-12.0	254	9.5	10.6
500	5827	5864	5801	-6.8	5.0	-15.5	-16.7	256	12.0	12.8
450	6647	6710	6603	-11.6	0.6	-21.5	-21.4	261	14.1	15.0
400	7535	7592	7486	-17.4	-3.3	-27.7	-26.0	263	17.5	18.4
350	8524	8581	8446	-24.2	-13.1	-37.1	-32.3	263	20.9	21.9
300	9630	9705	9534	-32.2	-20.9	-43.1		264	23.4	24.5
250	10895	10999	10767	-41.8	-29.5	-53.1		265	25.1	26.4
200	12365	12498	12203	-53.5	-43.5	-64.1		267	26.0	27.4
175	13209	13359	13039	-60.1	-50.5	-71.1		265	24.6	26.0
150	14154	14399	13964	-67.0	-57.5	-76.7		266	22.0	23.5
125	15234	15435	15050	-73.5	-60.9	-81.1		262	16.2	18.1
100	16527	16762	16367	-76.7	-60.9	-86.0				
80	17817	18023	17674	-72.9	-52.9	-82.3				
70	18613	18815	18498	-68.7	-49.7	-81.9				
60	19537	19730	19383	-64.9	-53.1	-74.7				
50	20655	20948	20476	-61.0	-48.9	-69.9				
40	22058	22381	21843	-57.7	-48.1	-66.7				
30	23880	24313	23672	-54.5	-42.5	-62.7				
25										
20										
15										
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7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
593	4470	4980	3740				107	16160	-77.6

NORMALS OF RADIOSONDE DATA

MONTH : NOVEMBER TIME : 1730 IST STATION : MOHANBARI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	999	1001	997	22.6	28.2	15.0	17.9	046	0.2	0.2
1000	105	124	85	22.0	27.0	16.0	17.4	048	0.6	0.7
950	526	563	484	21.2	28.6	13.0	12.6	049	1.9	2.5
925	766	794	718	19.9	27.4	12.0	11.7	053	1.8	2.4
900	1017	1035	1000	18.3	27.8	8.0	8.0	060	1.5	2.4
850	1505	1522	1484	15.1	22.6	5.0	4.0	134	0.8	2.4
800	2015	2032	1993	11.6	19.0	1.2	0.7	189	2.1	3.3
750	2545	2565	2522	7.8	16.0	-2.9	-2.9	201	3.3	4.3
700	3117	3134	3089	3.8	12.8	-6.9	-6.6	214	3.5	5.1
650	3710	3740	3675	-0.1	9.2	-11.1	-10.2	236	3.3	5.6
600	4354	4381	4321	-3.6	5.8	-14.7	-13.7	252	6.2	8.3
550	5052	5105	5010	-6.7	3.2	-18.9	-18.0	258	10.9	12.5
500	5777	5821	5737	-10.7	0.2	-24.1	-23.1	263	14.9	16.1
450	6584	6661	6541	-15.9	-4.9	-29.5	-27.8	264	18.1	19.4
400	7459	7529	7417	-22.0	-10.7	-33.9	-32.1	267	23.2	24.5
350	8431	8527	8370	-28.7	-17.3	-42.1		266	28.0	29.8
300	9518	9631	9434	-35.8	-24.7	-48.3		266	33.3	35.3
250	10763	10864	10651	-44.2	-29.9	-56.3		266	39.4	41.5
200	12226	12343	12093	-54.4	-42.1	-67.9		266	41.1	43.6
175	13070	13213	12927	-60.3	-48.3	-75.5		266	39.5	41.5
150	14018	14157	13882	-66.1	-54.5	-77.7				
125	15103	15270	14959	-71.1	-55.7	-83.7				
100	16412	16652	16242	-74.7	-59.7	-90.1				
80	17703	17899	17500	-73.7	-59.9	-86.3				
70	18491	18704	18304	-71.1	-56.1	-86.3				
60	19401	19656	19226	-67.2	-51.9	-83.3				
50	20500	20873	20290	-63.1	-50.5	-72.7				
40	21887	22308	21685	-59.2	-48.3	-67.9				
30	23699	24187	23459	-56.0	-46.5	-66.1				
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
648	3740	4260	3330				105	16170	-75.6

NORMALS OF RADIOSONDE DATA

MONTH : DECEMBER TIME : 1730 IST STATION : MOHANBARI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1001	1007	999	19.1	24.0	11.6	14.0	047	0.2	0.2
1000	125	173	106	19.4	24.0	12.0	13.3	044	0.4	0.6
950	544	565	515	18.1	27.0	9.6	9.0	046	1.9	2.4
925	775	794	750	17.0	24.4	9.0	8.2	049	1.8	2.4
900	1027	1036	1010	15.1	22.2	6.8	4.6	050	1.7	2.6
850	1508	1518	1494	12.0	18.8	4.6	0.6	107	0.8	2.4
800	2013	2026	1997	8.5	15.2	1.2	-2.3	183	1.9	3.2
750	2536	2556	2517	4.7	13.0	-3.1	-5.7	198	2.8	4.2
700	3102	3124	3084	1.0	9.8	-5.9	-9.4	212	2.7	5.0
650	3690	3726	3655	-2.6	6.2	-10.1	-13.2	238	2.9	5.8
600	4327	4361	4308	-5.7	3.0	-13.7	-16.9	260	6.4	8.8
550	5016	5067	4995	-8.7	2.0	-18.9	-21.4	265	11.9	13.8
500	5739	5791	5708	-12.9	0.8	-23.5	-26.2	268	17.2	18.5
450	6535	6601	6480	-18.3	-5.7	-30.1	-31.6	270	21.0	22.7
400	7404	7466	7355	-24.6	-10.3	-38.1		271	26.3	28.0
350	8361	8418	8285	-31.4	-19.7	-43.5		270	32.7	34.5
300	9436	9502	9361	-38.6	-27.3	-51.5		269	38.6	40.6
250	10667	10759	10571	-46.6	-35.3	-57.5		265	44.4	46.5
200	12121	12236	12009	-55.3	-42.3	-66.1		263	46.4	47.7
175	12966	13088	12850	-60.0	-46.1	-70.7		264	45.0	46.4
150	13920	14096	13787	-64.2	-53.1	-78.9		264	41.3	42.3
125	15019	15162	14872	-68.8	-56.5	-78.1				
100	16342	16489	16118	-72.6	-62.1	-85.7				
80	17652	17795	17380	-72.6	-51.9	-85.3				
70	18438	18583	18161	-70.6	-46.5	-85.9				
60	19356	19513	19087	-67.8	-57.5	-83.1				
50	20466	20634	20228	-63.8	-51.9	-78.3				
40	21843	22071	21668	-59.9	-47.5	-71.1				
30										
25										
20										
15										
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7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
683	3300	3780	2880				103	16230	-73.8

NORMALS OF RADIOSONDE DATA

MONTH : JANUARY TIME : 1730 IST STATION : MUMBAI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1010	1012	1008	27.9	34.4	21.4	15.3	315	3.1	3.4
1000	99	115	86	27.3	33.8	20.0	14.3	317	4.2	4.6
950	530	562	498	24.4	34.6	14.4	8.9	316	3.0	4.4
925	781	796	771	23.5	33.2	15.8	7.4	332	1.9	3.7
900	1019	1037	998	21.3	32.6	11.0	5.5	315	0.7	3.6
850	1511	1529	1489	17.8	28.4	9.0	2.7	166	0.8	4.3
800	2025	2048	2000	14.5	26.0	6.6	-0.6	183	1.4	5.2
750	2568	2596	2548	11.5	21.0	2.8	-4.8	234	1.8	6.0
700	3140	3171	3113	8.6	16.8	-0.1	-8.8	267	3.3	6.7
650	3751	3784	3722	5.4	12.6	-5.0	-11.6	273	5.4	8.2
600	4397	4438	4372	1.9	9.2	-9.3	-14.8	273	7.8	10.1
550	5101	5143	5072	-2.3	5.2	-14.3	-18.6	272	10.0	12.2
500	5844	5893	5812	-7.0	1.0	-16.7	-22.3	271	12.7	14.7
450	6657	6711	6613	-12.3	-4.0	-21.1	-27.0	269	15.4	17.5
400	7546	7613	7484	-18.2	-9.0	-28.3	-31.6	268	18.4	20.5
350	8534	8612	8468	-24.8	-15.0	-35.5	-37.4	266	21.4	23.6
300	9637	9737	9546	-32.5	-22.3	-44.7	-44.2	263	24.4	26.7
250	10898	11026	10795	-41.9	-30.5	-56.7	-52.6	260	26.0	28.5
200	12372	12539	12259	-53.2	-41.5	-68.1		258	26.5	28.9
175	13221	13413	13099	-59.3	-47.5	-73.1		258	25.7	28.0
150	14171	14394	14039	-65.4	-52.1	-80.9		258	24.0	26.3
125	15265	15522	15099	-70.9	-58.5	-84.9		260	20.4	22.4
100	16566	16861	16357	-75.7	-59.5	-89.1		263	15.3	17.1
80	17856	18177	17603	-76.0	-64.1	-88.1		260	9.6	11.9
70	18632	18963	18366	-73.2	-61.7	-86.7		261	7.2	9.8
60	19542	19896	19259	-69.1	-58.1	-84.1		266	5.2	8.3
50	20644	21020	20295	-64.1	-50.3	-80.9		266	3.1	7.5
40	22040	22409	21702	-59.5	-47.5	-73.7		256	2.8	7.1
30	23860	24315	23499	-55.4	-42.5	-68.3		269	2.9	8.0
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
577	4720	5290	4350				097	16790	-77.5

NORMALS OF RADIOSONDE DATA

MONTH : FEBRUARY TIME : 1730 IST STATION : MUMBAI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1009	1010	1005	28.6	35.0	20.4	15.5	316	3.6	3.9
1000	90	104	60	28.0	34.6	15.8	14.5	319	5.0	5.3
950	522	550	475	25.2	35.0	15.6	8.3	315	4.4	5.5
925	774	787	763	24.1	33.0	15.4	6.9	317	3.4	4.7
900	1013	1029	984	22.4	31.8	12.0	3.9	305	2.0	4.4
850	1507	1523	1478	19.2	28.6	10.0	1.1	250	1.1	4.7
800	2024	2042	1995	15.6	26.2	7.0	-1.1	221	2.1	5.7
750	2565	2589	2536	12.0	23.6	3.8	-4.3	229	2.8	6.6
700	3140	3163	3112	8.5	20.8	1.0	-8.1	253	3.7	7.5
650	3750	3781	3709	5.2	17.6	-3.5	-12.2	270	5.7	8.8
600	4396	4427	4362	1.7	11.2	-8.5	-15.7	274	8.3	10.6
550	5098	5133	5057	-2.6	6.0	-14.0	-19.0	273	10.9	12.9
500	5841	5888	5797	-7.3	0.6	-16.0	-23.4	273	13.2	15.4
450	6653	6711	6605	-12.6	-2.5	-24.0	-27.6	273	15.9	18.2
400	7543	7615	7488	-18.5	-7.3	-28.5	-32.5	271	18.6	20.8
350	8529	8615	8468	-25.1	-14.9	-40.0	-38.5	269	21.7	24.1
300	9632	9736	9561	-32.8	-22.1	-46.5	-45.1	266	24.5	27.1
250	10890	11024	10808	-41.9	-32.3	-55.1	-53.4	262	26.1	28.7
200	12365	12535	12255	-52.8	-41.5	-65.9		261	26.3	28.9
175	13216	13406	13097	-59.0	-45.1	-71.9		260	25.4	27.8
150	14169	14387	14036	-65.4	-52.5	-78.1		261	23.6	25.7
125	15260	15511	15104	-71.4	-58.0	-83.5		262	19.6	21.5
100	16562	16853	16390	-76.2	-62.3	-88.9		263	14.6	16.4
80	17838	18164	17643	-76.7	-65.1	-89.9		264	9.7	12.1
70	18608	18994	18386	-73.9	-61.3	-88.5		268	7.8	10.5
60	19511	19924	19285	-69.8	-56.7	-82.7		266	5.7	8.6
50	20616	21042	20365	-64.6	-51.7	-78.3		264	4.2	8.1
40	22013	22454	21738	-60.1	-44.0	-72.7		248	2.5	7.8
30										
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
580	4670	5460	4230				098	16740	-78.0

NORMALS OF RADIOSONDE DATA

MONTH : MARCH TIME : 1730 IST STATION : MUMBAI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1007	1009	1004	30.4	37.6	23.8	18.5	312	4.0	4.3
1000	76	93	51	29.9	37.0	21.2	17.6	316	4.8	5.2
950	512	538	484	27.8	38.0	17.4	10.2	315	5.5	6.4
925	764	779	744	27.9	35.8	18.8	7.5	319	4.4	5.5
900	1007	1019	989	25.8	36.0	15.2	4.7	316	3.2	4.9
850	1506	1522	1485	22.6	32.0	13.2	1.9	301	1.9	4.7
800	2029	2049	2005	18.9	28.0	10.0	0.0	251	1.8	5.4
750	2572	2597	2550	14.7	22.0	6.0	-2.2	223	2.5	6.0
700	3156	3183	3125	10.2	18.6	0.8	-4.7	217	3.0	6.5
650	3766	3798	3728	5.8	17.0	-2.1	-8.4	240	3.1	7.0
600	4416	4449	4381	1.9	10.6	-5.7	-14.0	266	4.5	7.9
550	5117	5152	5089	-2.1	7.0	-10.5	-18.4	274	6.5	9.5
500	5863	5908	5809	-6.8	2.2	-15.9	-22.9	274	8.7	11.3
450	6677	6730	6618	-12.1	-1.9	-23.5	-27.4	272	11.1	13.5
400	7567	7627	7492	-18.4	-5.9	-30.3	-32.8	272	13.7	16.2
350	8553	8625	8466	-25.2	-14.7	-34.9	-38.8	271	16.7	19.4
300	9655	9744	9544	-32.8	-23.5	-44.1	-45.6	268	20.3	23.2
250	10913	11031	10780	-41.8	-28.1	-54.3	-53.1	264	22.8	25.8
200	12390	12547	12229	-52.2	-41.1	-64.1		262	23.5	26.2
175	13243	13423	13064	-58.0	-45.7	-72.1		261	23.0	25.5
150	14199	14410	14003	-64.1	-50.5	-78.1		262	21.5	23.6
125	15295	15538	15073	-70.3	-56.7	-84.5		262	17.9	20.0
100	16601	16896	16345	-75.3	-61.1	-86.5		262	12.1	14.5
80	17889	18228	17613	-75.8	-63.1	-86.3		267	7.4	10.4
70	18662	19030	18388	-73.5	-59.7	-84.3		273	5.1	8.6
60	19576	19953	19326	-69.2	-54.1	-82.5		276	3.7	7.6
50	20683	21111	20432	-64.2	-49.3	-77.5		278	2.1	7.3
40	22068	22544	21798	-59.1	-45.0	-72.0		333	0.9	7.2
30										
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
575	4750	5380	4190				096	16850	-77.1

NORMALS OF RADIOSONDE DATA

MONTH : APRIL TIME : 1730 IST STATION : MUMBAI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1005	1007	1004	31.2	37.2	26.0	22.0	304	3.9	4.3
1000	59	73	49	30.7	37.2	24.0	21.5	305	4.5	4.9
950	498	527	465	28.1	38.6	21.0	14.4	310	6.0	6.8
925	755	764	746	28.4	37.6	21.4	11.8	320	5.4	6.1
900	993	1009	981	26.9	35.8	17.0	6.3	319	4.2	5.5
850	1494	1515	1480	24.2	33.0	14.4	2.7	320	3.2	5.2
800	2021	2046	2001	20.6	29.0	11.0	0.9	294	2.4	5.6
750	2567	2602	2538	16.5	25.0	9.0	-0.7	243	2.2	6.0
700	3154	3193	3125	11.9	21.0	3.8	-2.7	208	3.0	6.3
650	3766	3810	3713	7.1	18.4	-1.9	-5.8	203	3.0	6.2
600	4420	4469	4380	2.6	10.4	-6.1	-11.1	229	2.2	6.1
550	5124	5174	5085	-1.5	6.2	-11.1	-17.4	268	2.8	6.8
500	5871	5932	5819	-6.0	1.2	-16.9	-22.4	275	4.7	8.2
450	6688	6760	6626	-11.3	-0.5	-22.5	-27.2	273	6.9	10.1
400	7581	7661	7519	-17.5	-7.9	-29.5	-32.3	271	9.6	12.6
350	8568	8660	8494	-24.6	-13.3	-37.7	-38.2	269	12.4	15.6
300	9673	9776	9594	-32.4	-20.3	-45.3	-45.5	265	15.6	18.9
250	10934	11052	10840	-41.6	-29.3	-54.7	-53.5	261	18.3	21.7
200	12414	12565	12309	-52.0	-38.3	-62.5		257	19.3	22.4
175	13271	13433	13168	-57.6	-43.5	-68.7		257	18.4	21.4
150	14232	14421	14119	-63.8	-50.3	-75.3		258	16.3	19.0
125	15332	15547	15200	-70.0	-58.1	-84.7		261	12.1	15.1
100	16638	16890	16461	-75.6	-63.9	-87.1		257	6.3	10.7
80	17927	18214	17778	-76.1	-62.0	-90.1		251	1.1	7.6
70	18699	19006	18539	-73.5	-56.1	-87.3		067	1.0	6.8
60	19606	19928	19454	-68.6	-53.9	-81.0		079	1.9	6.4
50	20718	21036	20508	-62.5	-43.7	-76.0		087	2.4	5.9
40	22125	22486	21650	-56.8	-43.3	-69.0		097	3.3	6.5
30										
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
568	4860	5560	4390				095	16990	-77.5

NORMALS OF RADIOSONDE DATA

MONTH : MAY TIME : 1730 IST STATION : MUMBAI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1004	1005	1002	31.8	38.0	25.4	24.1	286	3.7	4.3
1000	47	67	30	31.4	38.0	25.4	23.9	287	4.2	4.8
950	488	517	449	27.2	37.6	20.8	20.0	286	5.6	6.7
925	743	756	732	27.1	37.6	20.2	17.2	294	5.2	6.3
900	980	999	961	25.9	36.2	16.0	12.0	297	4.4	5.9
850	1481	1502	1458	24.1	31.8	15.0	6.5	313	3.8	5.7
800	2008	2030	1983	21.2	29.2	11.4	2.8	317	3.3	5.9
750	2557	2589	2528	17.5	25.0	8.6	0.0	307	2.2	5.9
700	3146	3180	3119	13.2	21.8	5.2	-2.1	277	1.2	5.7
650	3762	3805	3724	8.6	18.0	1.2	-4.8	219	0.6	5.7
600	4419	4467	4392	4.1	12.4	-4.1	-9.2	143	0.1	5.5
550	5125	5178	5093	-0.1	8.2	-9.1	-14.0	014	1.1	5.7
500	5878	5937	5839	-4.3	4.2	-13.9	-18.6	359	1.9	6.4
450	6700	6771	6655	-9.1	-0.9	-19.7	-23.2	336	2.4	7.5
400	7602	7682	7551	-14.8	-4.7	-25.9	-28.9	308	2.9	8.4
350	8598	8695	8548	-21.5	-10.3	-33.3	-35.1	285	4.2	9.3
300	9720	9830	9648	-29.3	-17.1	-41.5	-42.7	266	5.7	10.1
250	10997	11138	10908	-38.8	-24.9	-51.1	-50.9	256	6.6	10.9
200	12491	12661	12382	-50.2	-36.7	-63.1		241	6.9	11.4
175	13352	13536	13220	-56.7	-42.7	-68.1		232	6.2	11.5
150	14313	14513	14159	-63.8	-50.1	-74.7		218	4.5	10.8
125	15409	15641	15220	-70.8	-56.1	-81.5		164	3.3	10.1
100	16708	16971	16488	-77.0	-63.3	-89.7		110	5.7	10.1
80	17988	18296	17748	-76.7	-57.5	-90.0		093	8.1	10.2
70	18762	19077	18503	-73.5	-48.7	-87.1		091	8.6	10.2
60	19665	19998	19423	-68.0	-50.9	-82.7		091	8.3	9.2
50	20782	21178	20596	-62.3	-47.9	-78.1		092	8.1	9.2
40	22173	22627	21588	-57.1	-45.1	-72.3		088	9.6	10.4
30										
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
551	5110	5530	4670				096	16980	-78.5

NORMALS OF RADIOSONDE DATA

MONTH : JUNE TIME : 1730 IST STATION : MUMBAI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1001	1003	999	30.4	34.0	23.2	25.2	252	3.4	4.3
1000	22	36	9	30.4	33.8	23.2	25.0	255	3.8	4.5
950	460	493	420	26.2	34.4	19.2	22.5	249	6.8	8.1
925	717	729	704	25.6	32.0	17.8	22.0	260	6.8	8.3
900	953	972	937	23.3	34.0	16.6	19.0	249	7.0	8.6
850	1450	1471	1432	20.7	32.2	14.0	15.1	249	6.2	8.4
800	1972	1995	1953	18.1	29.2	12.0	11.5	248	5.1	7.9
750	2521	2547	2494	15.4	24.6	8.4	7.1	253	3.9	7.7
700	3104	3134	3077	12.3	20.8	6.6	2.6	263	2.9	7.7
650	3722	3757	3680	8.8	19.6	2.8	-0.8	277	2.0	7.7
600	4379	4420	4346	4.8	12.6	-3.5	-4.3	288	1.3	7.3
550	5090	5129	5049	0.8	8.4	-6.5	-7.6	306	0.7	6.9
500	5844	5895	5802	-2.9	4.8	-10.0	-11.4	186	0.1	6.2
450	6675	6730	6626	-7.0	0.6	-16.1	-15.6	101	0.7	5.9
400	7584	7645	7531	-12.0	-4.1	-21.9	-21.4	099	1.7	6.0
350	8594	8671	8536	-18.3	-9.9	-29.9	-27.7	088	3.1	6.4
300	9729	9827	9660	-26.2	-16.9	-39.1	-35.6	089	4.7	7.4
250	11023	11152	10936	-36.0	-24.3	-48.0	-44.5	087	7.4	9.8
200	12532	12709	12425	-48.3	-35.5	-59.9		089	11.2	13.5
175	13397	13602	13276	-55.4	-41.3	-67.5		091	13.6	15.9
150	14362	14617	14221	-63.2	-44.0	-75.3		091	16.6	18.8
125	15461	15791	15299	-71.1	-55.1	-84.1		091	20.2	22.1
100	16751	17158	16571	-78.0	-60.3	-89.1		089	22.7	23.8
80	18023	18486	17840	-77.1	-61.7	-90.1		086	21.7	22.4
70	18801	19289	18599	-73.0	-57.9	-85.9		088	19.9	20.5
60	19716	20234	19514	-67.3	-53.5	-82.7		090	16.7	17.4
50	20833	21368	20612	-61.2	-47.1	-70.7		089	15.1	15.8
40	22238	22855	21841	-57.0	-42.7	-67.7		086	15.8	16.3
30	24090	24748	23593	-52.0	-36.7	-64.0		085	17.6	18.0
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
537	5270	5760	4860				096	17000	-79.8

NORMALS OF RADIOSONDE DATA

MONTH : JULY TIME : 1730 IST STATION : MUMBAI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1001	1003	1000	28.5	32.4	24.0	25.1	254	3.8	4.3
1000	25	45	10	28.6	32.0	19.8	24.8	254	4.2	4.6
950	460	481	413	25.0	30.4	17.8	22.3	252	9.0	9.7
925	712	716	698	24.3	29.4	16.2	22.1	259	10.2	10.8
900	951	969	933	22.0	28.0	15.6	19.3	254	10.3	11.1
850	1446	1465	1425	19.1	25.2	13.6	16.2	254	10.2	11.0
800	1965	1984	1942	16.3	23.2	11.0	13.2	252	9.6	10.4
750	2514	2534	2484	13.7	21.0	8.0	9.6	254	8.8	9.8
700	3091	3119	3065	11.4	17.6	4.8	4.4	262	8.1	9.4
650	3709	3741	3682	8.4	16.4	-2.3	0.0	268	7.0	8.7
600	4365	4405	4332	4.8	15.0	-5.9	-3.4	273	5.3	7.7
550	5077	5120	5028	1.0	7.8	-6.7	-6.6	275	3.6	6.8
500	5830	5890	5786	-2.8	3.8	-13.5	-10.4	273	1.8	5.8
450	6663	6727	6611	-7.0	2.4	-17.9	-14.9	116	0.3	5.3
400	7572	7650	7521	-12.1	-0.7	-24.6	-20.5	089	2.5	5.5
350	8582	8677	8522	-18.4	-9.7	-30.7	-27.1	082	5.3	6.9
300	9717	9832	9648	-26.2	-16.1	-36.3	-35.0	081	8.7	9.7
250	11010	11156	10927	-36.1	-25.3	-46.7	-44.0	082	13.4	14.1
200	12520	12711	12405	-48.3	-33.9	-60.5	-54.1	084	20.1	21.0
175	13383	13606	13262	-55.6	-38.7	-69.1		084	24.0	25.0
150	14347	14610	14213	-63.4	-44.3	-79.3		083	27.8	28.8
125	15446	15776	15288	-71.2	-56.5	-86.5		084	31.3	32.3
100	16750	17149	16556	-76.4	-61.5	-89.3		083	32.4	33.2
80	18041	18468	17862	-73.9	-56.9	-87.7		084	28.4	29.1
70	18834	19301	18622	-69.9	-53.3	-84.3		085	25.0	25.6
60	19763	20259	19519	-65.2	-50.9	-76.0		087	22.5	23.3
50	20901	21416	20589	-60.4	-47.7	-72.0		088	21.3	22.1
40	22321	22899	21976	-56.0	-40.3	-68.0		085	21.4	22.1
30										
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
536	5270	5830	4760				101	16690	-77.8

NORMALS OF RADIOSONDE DATA

MONTH : AUGUST TIME : 1730 IST STATION : MUMBAI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1003	1004	1000	28.1	31.6	23.0	24.5	266	3.6	3.9
1000	36	50	14	27.9	31.2	22.6	24.2	266	4.0	4.3
950	470	505	438	24.4	30.4	18.6	21.3	263	8.4	9.0
925	729	740	719	23.7	29.0	17.4	21.0	269	8.7	9.2
900	960	980	935	21.3	27.8	15.0	18.4	263	9.4	10.0
850	1454	1478	1429	18.4	26.2	11.6	15.5	261	9.2	9.8
800	1973	2001	1946	15.7	23.6	8.2	12.7	259	8.6	9.3
750	2518	2551	2486	13.2	20.0	5.6	9.2	260	8.1	8.9
700	3096	3138	3066	10.9	19.6	1.6	3.9	267	7.4	8.6
650	3713	3761	3682	8.0	19.0	-2.7	-0.7	274	6.4	8.1
600	4368	4424	4331	4.5	15.0	-4.0	-4.2	280	5.0	7.1
550	5078	5135	5033	0.8	11.6	-8.5	-7.4	284	3.3	6.1
500	5833	5905	5784	-3.0	7.8	-10.9	-11.4	293	1.7	5.4
450	6663	6743	6611	-7.1	2.2	-15.1	-16.0	021	0.8	4.9
400	7572	7664	7514	-12.2	-3.1	-20.3	-21.4	067	2.4	5.2
350	8583	8689	8511	-18.6	-8.5	-28.1	-27.7	077	5.0	6.6
300	9718	9844	9639	-26.3	-15.1	-36.1	-35.5	080	8.2	9.2
250	11011	11168	10912	-36.1	-21.5	-46.1	-45.0	083	12.5	13.2
200	12519	12708	12391	-48.3	-33.5	-59.1		085	18.7	19.4
175	13383	13606	13228	-55.5	-38.1	-67.1		086	22.4	23.3
150	14349	14611	14170	-63.3	-43.1	-78.3		085	26.2	27.2
125	15444	15778	15238	-71.2	-49.1	-84.9		086	29.1	30.0
100	16743	17147	16523	-76.3	-58.1	-88.7		085	29.1	29.8
80	18044	18518	17824	-73.2	-54.5	-84.9		085	25.8	26.4
70	18830	19361	18586	-69.2	-51.7	-84.9		087	23.6	24.1
60	19760	20348	19504	-64.7	-45.7	-78.0		089	22.0	22.7
50	20895	21542	20600	-60.5	-37.9	-76.0		091	21.6	22.1
40	22304	23035	21945	-56.5	-32.1	-67.0		089	21.7	22.3
30										
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
539	5230	5910	4830				103	16600	-77.6

NORMALS OF RADIOSONDE DATA

MONTH : SEPTEMBER TIME : 1730 IST STATION : MUMBAI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1005	1006	1001	28.9	33.2	23.6	24.2	284	2.8	3.4
1000	53	69	26	28.5	33.0	17.0	23.9	286	3.2	3.9
950	489	525	448	24.9	31.6	17.0	20.6	284	5.1	6.4
925	741	760	729	24.0	31.0	17.8	19.6	286	5.2	6.6
900	979	1000	947	22.0	29.6	16.0	17.4	278	4.2	5.9
850	1473	1497	1441	19.1	25.8	13.0	14.2	269	3.2	5.6
800	1992	2017	1959	16.2	23.4	10.4	10.8	260	2.4	5.4
750	2536	2566	2508	13.3	20.2	6.2	6.8	259	2.0	5.5
700	3116	3147	3086	10.3	17.6	3.0	2.2	261	1.9	5.4
650	3731	3767	3700	7.2	15.8	-0.3	-1.5	258	1.6	5.2
600	4384	4424	4351	4.0	11.4	-4.3	-5.5	250	1.2	4.9
550	5095	5138	5055	0.7	8.4	-9.9	-9.2	246	0.8	4.9
500	5847	5897	5807	-3.2	4.0	-13.5	-13.5	211	0.1	4.8
450	6676	6736	6631	-7.8	-1.0	-18.9	-18.3	090	0.8	5.0
400	7581	7649	7533	-13.3	-4.1	-25.3	-23.7	084	2.2	5.1
350	8586	8671	8538	-19.9	-9.1	-33.9	-30.1	085	3.8	5.9
300	9712	9826	9656	-28.0	-16.5	-42.5	-37.9	086	5.5	7.1
250	10995	11146	10928	-38.0	-23.9	-52.5	-46.9	087	8.0	9.4
200	12492	12696	12404	-50.3	-32.7	-63.1		091	11.7	13.2
175	13353	13595	13241	-57.3	-38.5	-69.5		093	14.5	16.0
150	14311	14609	14179	-65.0	-44.7	-76.1		094	16.9	18.4
125	15397	15764	15250	-72.6	-53.1	-85.5		091	18.9	20.2
100	16688	17131	16522	-77.2	-59.9	-90.5		087	18.9	19.7
80	17983	18504	17806	-73.2	-58.0	-86.1		087	17.4	17.9
70	18778	19329	18587	-69.1	-53.0	-83.9		089	16.1	16.6
60	19710	20288	19498	-64.7	-48.0	-80.1		092	15.0	15.5
50	20840	21397	20596	-60.0	-48.7	-75.3		091	14.5	15.2
40	22237	22795	21929	-56.4	-42.1	-70.1		088	16.2	16.6
30										
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
542	5210	5740	4820				103	16540	-78.4

NORMALS OF RADIOSONDE DATA

MONTH : OCTOBER TIME : 1730 IST STATION : MUMBAI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1006	1009	1004	30.8	35.4	23.2	22.8	308	2.5	3.2
1000	67	91	49	30.5	35.2	23.2	22.1	311	3.0	3.8
950	504	545	476	27.2	35.6	20.8	16.7	326	3.4	5.3
925	757	782	747	26.2	30.8	19.2	15.9	354	2.5	4.8
900	999	1028	976	24.3	33.0	18.0	12.7	009	2.1	4.5
850	1496	1527	1473	20.9	29.6	14.4	8.9	049	2.5	4.9
800	2017	2052	1993	17.1	28.8	8.0	5.4	067	3.1	5.6
750	2562	2600	2533	13.3	23.0	3.0	2.3	073	3.2	6.1
700	3140	3179	3112	9.8	19.4	0.0	-1.8	070	2.9	5.9
650	3753	3794	3719	6.8	15.8	-3.5	-5.3	059	2.2	5.7
600	4404	4443	4371	3.8	12.6	-5.1	-8.5	042	1.6	5.4
550	5115	5152	5081	0.3	9.4	-6.9	-11.6	027	1.4	5.6
500	5864	5900	5827	-3.8	4.8	-13.1	-15.7	005	1.3	5.9
450	6691	6744	6655	-8.7	3.4	-17.0	-21.0	337	1.3	6.3
400	7593	7650	7545	-14.5	-2.9	-22.7	-26.3	308	1.5	6.6
350	8592	8661	8540	-21.4	-8.1	-31.0	-32.7	273	2.0	7.0
300	9712	9807	9629	-29.6	-12.7	-39.9	-40.1	247	3.0	7.8
250	10985	11108	10881	-39.6	-21.7	-51.1	-48.8	224	4.1	9.1
200	12472	12628	12343	-51.6	-36.3	-65.1		203	5.3	10.9
175	13324	13512	13190	-58.5	-42.5	-74.1		189	5.6	11.7
150	14277	14496	14122	-65.8	-49.3	-79.0		173	5.3	11.7
125	15359	15623	15206	-72.9	-57.9	-85.9		149	4.5	10.9
100	16649	16970	16484	-77.8	-65.0	-92.1		112	6.0	9.7
80	17928	18250	17737	-74.5	-54.7	-88.0		093	6.6	8.4
70	18716	19043	18474	-70.1	-50.0	-85.0		090	6.9	8.2
60	19640	19996	19397	-65.5	-46.0	-79.0		094	7.5	8.5
50	20766	21130	20490	-61.2	-47.0	-74.0		093	8.2	8.9
40	22163	22556	21881	-57.5	-40.1	-67.3		092	10.5	11.2
30										
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
549	5130	5730	4540				103	16520	-79.1

NORMALS OF RADIOSONDE DATA

MONTH : NOVEMBER TIME : 1730 IST STATION : MUMBAI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1008	1010	1006	30.5	36.0	23.0	18.9	319	2.4	3.0
1000	85	105	63	30.0	35.0	18.0	18.0	324	3.3	4.0
950	520	549	491	26.8	35.8	17.0	12.4	343	3.0	4.7
925	767	781	735	25.7	34.8	17.6	11.0	008	2.6	4.0
900	1014	1033	996	23.3	33.2	14.8	9.2	036	2.2	4.1
850	1508	1526	1493	19.5	27.8	10.2	6.6	073	2.8	4.6
800	2026	2042	2010	15.7	24.2	9.0	3.2	084	3.3	5.4
750	2570	2592	2553	12.7	21.6	5.4	-0.7	081	3.0	5.7
700	3146	3168	3125	9.9	19.0	1.0	-4.5	073	2.1	5.7
650	3761	3783	3733	7.0	15.4	-2.1	-7.8	054	1.4	5.8
600	4411	4439	4385	3.7	12.2	-4.5	-11.0	354	0.9	6.3
550	5121	5165	5097	-0.2	7.2	-8.5	-14.4	310	1.8	6.9
500	5868	5914	5826	-4.8	4.6	-12.9	-18.8	292	3.0	7.9
450	6691	6744	6650	-10.2	-1.7	-17.7	-23.8	282	4.7	9.0
400	7587	7653	7533	-16.2	-9.0	-23.9	-29.5	275	6.6	10.5
350	8580	8660	8513	-23.4	-14.5	-32.5	-36.0	268	9.0	12.4
300	9690	9791	9618	-31.5	-21.9	-42.1	-43.6	259	11.7	14.5
250	10953	11085	10862	-41.3	-30.1	-52.9	-52.0	248	14.3	17.2
200	12431	12608	12315	-52.8	-40.5	-65.1		240	15.8	18.7
175	13279	13489	13148	-59.3	-46.1	-71.1		240	15.5	18.3
150	14226	14494	14087	-66.1	-52.9	-79.3		241	13.6	16.2
125	15308	15674	15159	-72.4	-58.1	-86.0		246	10.0	12.8
100	16599	17058	16413	-77.1	-61.5	-94.0		243	4.4	9.2
80	17879	18445	17623	-76.0	-62.1	-92.0		143	1.1	7.0
70	18655	19295	18357	-72.6	-57.9	-90.0		099	1.8	6.1
60	19578	20251	19247	-67.7	-52.1	-82.0		089	1.9	5.7
50	20681	21404	20331	-62.6	-47.5	-75.0		092	2.5	5.9
40	22060	22530	21665	-58.5	-45.0	-70.0		093	3.4	6.0
30										
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
553	5060	5720	4610				100	16620	-78.4

NORMALS OF RADIOSONDE DATA

MONTH : DECEMBER TIME : 1730 IST STATION : MUMBAI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1010	1011	1008	29.0	33.4	20.8	16.5	318	2.5	2.9
1000	100	113	81	28.5	36.0	21.0	15.3	322	3.7	4.3
950	533	563	495	25.3	32.0	17.0	9.6	341	2.8	4.3
925	782	795	737	24.2	29.6	16.4	8.0	018	2.3	3.9
900	1024	1040	1005	21.9	28.4	10.0	7.1	043	1.7	3.9
850	1516	1534	1497	18.2	24.4	8.0	4.2	083	2.3	4.6
800	2032	2051	2013	14.9	24.0	7.4	0.2	095	2.5	5.2
750	2576	2589	2545	12.4	19.6	2.4	-4.1	092	1.3	5.3
700	3150	3169	3123	9.8	17.4	1.2	-7.3	307	0.5	5.6
650	3763	3789	3741	6.6	15.4	-1.7	-10.1	280	2.1	6.2
600	4413	4443	4378	2.9	12.4	-4.7	-12.6	273	3.9	7.4
550	5117	5150	5080	-1.4	8.2	-9.9	-16.0	269	5.7	8.7
500	5864	5909	5818	-6.3	3.6	-14.9	-20.0	266	7.7	10.5
450	6679	6737	6628	-11.8	-1.5	-22.7	-24.9	265	10.0	12.5
400	7571	7640	7502	-17.8	-7.7	-28.9	-30.0	264	12.7	15.0
350	8557	8639	8480	-24.8	-15.1	-37.3	-36.5	261	15.9	18.1
300	9662	9763	9567	-32.8	-22.9	-46.9	-43.7	258	19.1	21.7
250	10919	11040	10808	-42.4	-31.3	-54.3	-51.8	254	22.2	25.3
200	12391	12561	12250	-53.6	-40.7	-65.3		250	23.8	27.0
175	13239	13441	13084	-59.8	-43.9	-71.9		250	23.5	26.3
150	14190	14429	13997	-65.6	-48.5	-77.7		252	22.0	24.3
125	15288	15560	15077	-70.4	-46.3	-84.0		256	18.2	20.1
100	16597	16910	16371	-75.1	-57.9	-87.5		258	11.5	14.0
80	17891	18237	17642	-75.3	-63.9	-89.5		264	5.8	9.5
70	18663	19034	18405	-72.9	-59.5	-89.5		256	3.3	7.9
60	19564	19933	19288	-68.9	-53.5	-84.5		266	1.5	6.7
50	20660	21088	20328	-64.0	-50.3	-80.3		264	2.1	6.7
40	22036	22480	21659	-59.4	-45.7	-75.3		267	0.4	5.7
30										
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
566	4890	5410	4470				097	16810	-76.8

NORMALS OF RADIOSONDE DATA

MONTH : JANUARY TIME : 1730 IST STATION : NAGPUR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	978	980	976	26.5	33.0	15.4	10.8	087	0.4	1.6
1000	112	129	100							
950	541	574	512	24.3	31.0	14.8	9.0	097	0.8	3.5
925	791	809	780	21.9	31.4	11.0	7.6	084	0.4	3.0
900	1032	1052	1016	20.2	29.4	9.6	6.5	245	0.4	3.3
850	1522	1542	1501	16.0	25.2	7.0	3.9	273	2.0	4.3
800	2034	2054	2013	12.3	23.8	4.0	0.8	280	3.8	5.7
750	2565	2589	2537	9.3	20.0	1.0	-3.7	282	5.7	7.4
700	3140	3169	3114	6.5	17.4	-4.5	-8.6	280	7.6	9.2
650	3745	3782	3720	3.5	13.6	-5.1	-13.6	278	9.7	11.2
600	4390	4430	4360	0.2	10.2	-8.1	-17.6	276	12.0	13.4
550	5087	5136	5046	-3.8	5.6	-12.7	-21.9	275	14.3	15.6
500	5828	5878	5776	-8.4	0.6	-19.0	-26.4	273	17.0	18.4
450	6636	6712	6557	-13.7	-1.9	-23.7	-30.4	272	19.8	21.3
400	7523	7592	7440	-19.7	-8.5	-31.9	-35.1	271	23.2	24.8
350	8502	8578	8401	-26.1	-14.7	-41.1	-40.7	270	26.3	28.1
300	9602	9700	9487	-33.7	-22.1	-51.9	-47.2	268	29.7	31.5
250	10857	10974	10735	-42.7	-31.3	-59.1	-54.3	264	31.6	33.7
200	12328	12464	12199	-53.5	-43.1	-65.5		261	32.0	33.9
175	13174	13314	13038	-59.5	-48.1	-72.3		259	31.5	33.3
150	14125	14266	13984	-65.3	-52.0	-78.1		259	29.2	30.8
125	15223	15368	15067	-70.9	-55.0	-86.1		261	24.7	26.3
100	16526	16682	16364	-75.4	-64.0	-88.5		263	18.3	19.8
80	17814	17999	17531	-75.7	-62.0	-87.3		267	12.0	13.5
70	18594	18825	18300	-73.5	-56.1	-87.1		269	8.8	11.3
60	19501	19748	19326	-69.3	-52.3	-81.3		273	6.2	9.9
50	20592	20869	20422	-64.8	-52.7	-77.1		272	4.9	8.4
40	21960	22297	21647	-60.8	-47.1	-75.5		262	3.1	7.3
30	23756	24150	23552	-57.5	-46.3	-70.5		252	2.9	7.3
25	24897	25300	24721	-55.7	-45.5	-67.7		252	3.6	8.0
20	26319	26712	26131	-54.0	-43.5	-65.1				
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
600	4390	5010	3700				098	16710	-77.4

NORMALS OF RADIOSONDE DATA

MONTH : FEBRUARY TIME : 1730 IST STATION : NAGPUR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	975	978	971	29.7	36.6	16.8	9.4	304	0.2	2.0
1000	91	114	62							
950	528	558	478	27.6	35.6	16.0	7.8	255	0.5	4.2
925	776	789	766	24.7	32.6	14.8	6.5	257	0.7	4.0
900	1022	1039	988	23.2	35.0	11.0	5.8	257	1.2	4.0
850	1516	1531	1482	18.7	28.2	10.2	3.8	260	2.4	4.4
800	2032	2047	1999	14.3	24.0	5.2	1.5	265	3.7	5.5
750	2562	2587	2517	10.1	20.0	2.0	-1.8	270	5.7	7.3
700	3142	3164	3110	6.5	16.0	-1.7	-6.3	273	7.8	9.5
650	3744	3781	3709	3.2	13.2	-6.1	-11.1	275	10.0	11.6
600	4390	4422	4361	-0.1	9.4	-9.9	-16.0	275	12.5	14.1
550	5088	5135	5054	-4.1	4.6	-12.9	-20.7	275	14.9	16.5
500	5827	5872	5800	-8.6	2.2	-18.7	-25.5	274	17.4	19.0
450	6636	6694	6600	-13.8	-4.0	-28.1	-30.0	274	20.2	22.0
400	7521	7584	7477	-19.7	-8.7	-33.7	-35.1	273	23.2	25.1
350	8501	8590	8453	-26.1	-13.9	-40.9	-40.4	272	26.5	28.6
300	9600	9700	9528	-33.6	-22.7	-46.5	-46.9	269	29.3	31.8
250	10854	10977	10765	-42.6	-31.1	-56.1		267	31.3	34.2
200	12329	12473	12220	-52.9	-38.5	-64.5		265	31.0	33.6
175	13178	13335	13052	-58.7	-45.3	-72.5		265	30.2	32.5
150	14132	14302	13999	-64.8	-51.7	-79.1		267	27.7	29.6
125	15228	15417	14869	-70.6	-56.9	-86.5		267	24.4	26.2
100	16534	16740	16090	-75.3	-61.0	-87.9		265	18.3	19.8
80	17817	18027	17324	-76.1	-65.1	-88.5		267	13.3	14.6
70	18593	18829	18180	-73.7	-60.3	-86.1		270	10.4	11.8
60	19493	19731	19000	-69.8	-54.5	-84.7		268	7.7	10.0
50	20591	20808	20374	-65.0	-54.1	-76.3		270	5.8	9.2
40	21965	22263	21713	-60.4	-47.1	-71.1		262	4.5	8.8
30	23779	24120	23484	-56.9	-43.5	-71.0		244	2.8	8.0
25	24950	25200	24634	-54.8	-38.3	-65.5				
20	26362	26646	26052	-53.0	-36.3	-62.3				
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
605	4330	4840	3900				096	16820	-77.5

NORMALS OF RADIOSONDE DATA

MONTH : MARCH TIME : 1730 IST STATION : NAGPUR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	973	975	971	34.7	41.6	17.2	8.0	291	0.6	2.2
1000	64	79	41							
950	509	536	476	32.6	39.2	19.4	7.3	285	1.4	4.5
925	760	772	738	30.1	38.6	18.0	5.8	289	1.3	4.3
900	1009	1022	989	28.0	36.6	16.0	5.3	273	1.8	4.3
850	1511	1529	1492	23.5	31.8	13.0	3.4	269	2.6	4.5
800	2035	2059	2018	18.7	28.0	9.0	1.5	268	3.5	5.1
750	2568	2598	2526	13.8	23.6	5.0	-0.8	272	4.7	6.2
700	3158	3192	3142	8.9	18.0	0.6	-3.5	274	6.2	7.7
650	3759	3793	3730	4.3	15.0	-3.5	-7.4	278	8.0	9.5
600	4413	4462	4390	0.2	9.2	-7.1	-12.5	280	9.4	11.0
550	5109	5137	5072	-3.8	5.2	-13.3	-18.1	280	11.3	12.9
500	5851	5912	5820	-8.3	2.8	-19.0	-23.5	278	13.3	14.9
450	6662	6722	6627	-13.4	-2.5	-24.0	-28.8	276	15.6	17.4
400	7547	7629	7503	-19.6	-7.9	-30.7	-34.3	275	17.8	19.7
350	8527	8630	8492	-26.4	-14.3	-35.9	-40.3	274	20.7	22.9
300	9626	9718	9572	-33.9	-21.5	-45.9	-47.1	272	24.1	26.5
250	10880	10980	10813	-42.4	-28.5	-54.9	-54.2	268	26.5	29.2
200	12358	12481	12256	-52.3	-38.3	-64.5		265	27.8	30.2
175	13212	13350	13090	-57.8	-44.7	-72.0		264	26.8	28.9
150	14167	14318	14035	-63.7	-52.7	-75.1		265	24.6	26.6
125	15267	15447	15123	-69.6	-58.9	-81.1		267	20.3	22.3
100	16578	16773	16427	-74.6	-64.0	-88.1		267	14.9	16.6
80	17867	18106	17711	-75.4	-64.1	-86.5		272	8.8	11.2
70	18648	18914	18510	-73.1	-60.1	-83.7		277	6.0	9.0
60	19559	19852	19413	-69.2	-57.0	-79.3		278	3.9	7.8
50	20661	20978	20516	-63.7	-51.1	-77.1		275	2.4	6.9
40	22051	22410	21896	-58.4	-45.1	-70.1		249	1.4	6.3
30	23875	24291	23700	-54.2	-39.3	-65.7		243	1.9	7.5
25	25042	25494	24750	-52.1	-37.9	-62.3		255	2.6	7.5
20	26485	26830	26241	-49.8	-33.5	-61.1				
15	28371	28728	28010	-46.7	-31.1	-57.3				
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
596	4460	4910	4080				096	16870	-76.7

NORMALS OF RADIOSONDE DATA

MONTH : APRIL TIME : 1730 IST STATION : NAGPUR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	969	972	968	38.9	45.0	21.4	8.7	283	1.2	2.5
1000	27	50	7							
950	481	506	454	37.0	43.0	21.2	8.0	280	2.5	4.8
925	737	750	718	34.4	41.4	21.0	5.9	274	2.0	4.5
900	985	1001	965	32.4	40.6	18.8	5.8	278	2.8	4.7
850	1494	1510	1477	27.7	37.2	13.2	4.1	278	3.2	4.7
800	2025	2043	2009	22.8	33.8	11.0	2.5	279	3.6	5.0
750	2563	2595	2521	17.7	29.2	6.4	0.7	279	4.2	5.4
700	3164	3187	3147	12.2	23.0	2.4	-1.5	281	4.7	5.9
650	3768	3802	3742	6.7	18.2	-6.0	-4.1	283	5.7	6.9
600	4429	4458	4406	1.4	11.0	-7.9	-8.0	284	7.0	8.3
550	5127	5162	5088	-3.2	7.8	-11.9	-13.8	285	8.0	9.5
500	5872	5915	5827	-7.5	5.6	-16.3	-20.7	283	9.2	11.0
450	6686	6748	6627	-12.5	0.6	-22.7	-26.5	279	10.9	12.9
400	7575	7644	7507	-18.4	-3.9	-28.3	-31.8	275	13.5	15.7
350	8559	8636	8475	-25.2	-10.5	-36.1	-37.6	273	16.4	18.9
300	9661	9766	9568	-32.7	-18.9	-45.3	-44.6	269	20.0	22.7
250	10922	11049	10820	-41.4	-29.5	-55.1	-52.9	265	22.9	26.0
200	12406	12568	12297	-51.6	-41.3	-66.9		261	23.8	26.8
175	13261	13437	13148	-57.2	-45.5	-71.3		262	23.1	25.6
150	14221	14410	14107	-63.1	-50.1	-79.7		262	20.5	22.6
125	15323	15569	15183	-69.4	-59.5	-84.3		263	16.1	18.3
100	16632	16906	16467	-74.7	-64.0	-88.1		263	9.3	12.6
80	17924	18261	17740	-75.7	-57.9	-86.0		278	3.5	8.6
70	18703	19003	18504	-73.5	-61.0	-85.9		303	1.1	7.0
60	19611	19931	19335	-68.9	-49.9	-81.9		050	1.4	6.3
50	20707	21058	20413	-63.3	-46.5	-74.1		060	1.3	5.9
40	22098	22477	21791	-57.8	-42.7	-72.1		085	1.0	6.0
30	23943	24353	23603	-53.2	-40.1	-64.9		151	0.4	6.1
25	25130	25538	24816	-50.5	-35.9	-60.5		199	0.3	5.9
20	26589	26985	26393	-47.7	-29.5	-59.7		260	1.6	7.3
15										
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FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
583	4650	5200	4140				094	17030	-76.9

NORMALS OF RADIOSONDE DATA

MONTH : MAY TIME : 1730 IST STATION : NAGPUR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	966	970	964	40.2	46.4	22.0	10.7	308	1.6	3.2
1000	10	38	0							
950	452	492	409	38.6	45.0	21.4	10.3	303	3.1	5.7
925	708	718	692	36.1	44.0	20.6	9.5	295	3.2	5.7
900	960	990	938	34.1	44.0	19.4	8.5	302	3.1	5.5
850	1472	1496	1452	29.4	39.4	13.6	6.9	301	3.4	5.3
800	2007	2025	1990	24.5	33.8	12.2	5.4	302	3.7	5.4
750	2548	2578	2510	19.5	28.8	10.6	3.7	303	4.1	5.6
700	3154	3175	3134	14.0	24.4	5.6	1.6	304	4.3	5.9
650	3762	3791	3731	8.5	19.6	-0.5	-1.2	304	4.7	6.4
600	4427	4456	4406	3.1	14.4	-6.3	-5.1	304	5.1	6.9
550	5130	5165	5076	-1.6	9.0	-10.5	-10.2	306	5.6	7.5
500	5878	5912	5851	-5.8	2.2	-15.3	-16.5	305	6.0	8.2
450	6701	6734	6654	-10.2	-1.5	-20.1	-22.1	299	6.5	9.1
400	7596	7634	7552	-15.5	-6.5	-28.7	-27.5	289	7.5	10.5
350	8591	8647	8529	-22.0	-12.7	-35.5	-34.0	277	8.5	11.8
300	9710	9780	9628	-29.6	-18.9	-44.9	-40.8	267	10.1	13.2
250	10987	11086	10885	-38.8	-28.1	-53.7	-49.3	257	11.1	14.2
200	12483	12604	12355	-49.9	-40.0	-64.5		250	10.7	14.2
175	13347	13485	13210	-56.4	-46.0	-67.7		246	9.1	13.2
150	14307	14468	14159	-63.6	-52.0	-74.7		237	7.2	12.1
125	15404	15595	15241	-70.7	-58.0	-85.0		212	4.1	10.5
100	16703	16916	16497	-76.6	-65.5	-89.0		128	3.5	9.3
80	17988	18240	17762	-77.1	-64.5	-90.0		095	6.7	9.4
70	18769	19034	18552	-74.0	-55.7	-85.1		091	7.7	9.7
60	19677	19938	19429	-68.3	-54.7	-80.1		093	7.8	9.1
50	20784	21087	20453	-61.9	-48.5	-74.0		092	7.3	8.6
40	22181	22515	21825	-56.5	-44.5	-69.0		093	7.8	8.9
30	24017	24425	23617	-52.0	-36.7	-65.1		087	8.1	9.4
25	25186	25593	24622	-49.7	-38.5	-60.7		084	8.5	9.7
20	26641	27034	26025	-47.1	-36.3	-59.3		081	8.9	10.6
15	28541	28956	27869	-44.6	-32.9	-55.3				
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FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
565	4900	5480	4590				095	17050	-78.7

NORMALS OF RADIOSONDE DATA

MONTH : JUNE TIME : 1730 IST STATION : NAGPUR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	964	966	962	34.2	46.0	23.0	19.2	280	1.9	3.6
1000	19	34	0							
950	427	455	387	33.2	44.8	21.6	18.6	277	3.8	6.3
925	681	698	668	31.9	43.2	19.4	18.0	278	3.9	6.5
900	930	950	915	29.6	41.0	17.6	16.4	282	4.3	6.6
850	1437	1459	1420	25.6	36.8	13.0	14.4	289	4.5	6.6
800	1966	1992	1949	21.5	36.2	11.0	12.3	296	4.2	6.6
750	2514	2548	2483	17.2	27.0	8.0	9.7	304	3.9	6.6
700	3106	3137	3081	13.0	20.6	5.2	6.3	311	3.6	6.6
650	3724	3762	3700	8.8	19.0	2.0	2.3	318	3.4	6.6
600	4382	4414	4356	4.7	13.0	-3.1	-1.7	320	3.2	6.5
550	5098	5125	5064	0.8	9.2	-7.9	-5.7	320	2.9	6.1
500	5846	5881	5824	-3.1	6.2	-11.9	-10.4	316	2.5	5.9
450	6684	6723	6657	-7.2	1.8	-19.3	-15.4	318	1.8	5.9
400	7585	7630	7546	-12.1	-3.5	-26.5	-21.3	347	1.1	6.0
350	8595	8643	8557	-18.2	-10.1	-27.5	-27.4	060	1.4	6.3
300	9731	9798	9682	-26.0	-16.9	-36.5	-35.1	082	2.7	6.9
250	11025	11111	10958	-35.7	-27.3	-48.1	-44.2	092	4.8	8.3
200	12539	12635	12451	-47.9	-39.9	-59.1		093	7.8	11.0
175	13406	13524	13294	-55.0	-45.1	-66.1		092	9.9	13.0
150	14371	14496	14234	-63.0	-50.1	-73.9		091	12.5	15.1
125	15472	15628	15309	-71.3	-56.0	-81.9		088	15.6	17.7
100	16763	16969	16545	-78.2	-63.5	-90.1		085	18.8	19.9
80	18035	18272	17775	-78.6	-53.1	-89.9		088	19.1	19.7
70	18813	19048	18523	-75.0	-49.1	-89.7		089	18.3	18.8
60	19716	19947	19374	-68.5	-45.1	-84.3		092	16.0	16.5
50	20835	21088	20517	-62.0	-48.1	-76.0		088	14.9	15.4
40	22235	22507	21822	-57.3	-43.5	-69.5		086	15.2	15.6
30	24097	24420	23770	-53.0	-38.1	-64.3		085	17.6	18.0
25	25276	25625	24968	-50.3	-38.5	-62.7		084	19.1	19.6
20	26747	27264	26197	-48.1	-33.7	-58.1				
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FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
540	5250	5860	4840				094	17140	-80.5

NORMALS OF RADIOSONDE DATA

MONTH : JULY TIME : 1730 IST STATION : NAGPUR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	965	966	962	29.4	39.2	21.8	23.0	266	2.4	3.2
1000	8	20	0							
950	431	462	394	28.4	38.0	21.4	22.3	267	5.2	6.5
925	678	689	655	26.9	36.8	19.2	20.9	271	5.7	7.1
900	930	948	915	25.1	34.8	18.0	19.7	272	6.3	7.6
850	1429	1448	1415	21.6	30.2	12.0	17.1	279	7.0	8.5
800	1953	1973	1936	18.3	28.4	12.2	14.6	280	7.3	8.8
750	2500	2524	2469	14.9	23.0	8.6	11.5	282	6.9	8.6
700	3084	3109	3063	11.7	19.8	4.0	7.9	282	6.0	8.0
650	3703	3726	3676	8.6	16.2	0.0	3.9	288	5.0	7.4
600	4360	4389	4323	5.3	12.0	-3.5	0.1	293	3.9	6.8
550	5079	5114	5042	1.7	13.8	-7.7	-3.8	299	2.6	6.1
500	5829	5863	5793	-2.1	8.0	-10.5	-8.2	321	1.3	5.6
450	6665	6710	6616	-6.5	5.4	-16.3	-13.7	043	1.1	5.3
400	7573	7615	7525	-11.6	-4.5	-22.0	-19.7	074	2.8	5.8
350	8583	8628	8525	-18.0	-9.7	-27.5	-26.7	083	5.1	7.0
300	9721	9776	9645	-25.9	-14.5	-38.0	-34.6	086	8.1	9.1
250	11016	11098	10923	-35.6	-26.3	-48.0	-43.7	086	11.5	12.4
200	12532	12652	12413	-47.9	-38.3	-60.1		085	16.5	17.3
175	13398	13528	13265	-55.3	-45.5	-69.1		083	19.5	20.5
150	14363	14501	14213	-63.4	-53.7	-74.1		082	22.5	23.5
125	15461	15626	15286	-71.9	-57.3	-85.1		081	25.6	26.6
100	16756	16970	16544	-77.9	-66.7	-89.1		081	29.1	29.8
80	18042	18295	17804	-75.9	-58.0	-86.5		086	26.9	27.4
70	18829	19093	18592	-71.4	-56.0	-85.0		088	23.7	24.0
60	19743	20024	19461	-66.0	-46.0	-78.3		088	21.1	21.6
50	20864	21166	20578	-61.2	-47.5	-75.0		088	21.4	21.7
40	22267	22566	21961	-57.1	-40.9	-68.0		087	21.8	22.2
30	24101	24356	23837	-53.1	-42.1	-65.5		087	25.3	25.6
25	25288	25580	25066	-51.0	-39.1	-67.5		087	26.4	26.7
20	26740	27014	26040	-48.7	-35.9	-58.5				
15										
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FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
527	5410	5940	5050				099	16840	-79.3

NORMALS OF RADIOSONDE DATA

MONTH : AUGUST TIME : 1730 IST STATION : NAGPUR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	966	968	964	28.4	34.4	22.0	22.8	274	2.4	3.1
1000	8	18	0							
950	442	472	400	27.4	38.8	20.6	22.2	276	5.5	6.8
925	695	705	672	26.1	32.8	19.0	20.4	282	6.1	7.2
900	938	954	916	24.2	30.8	17.8	19.5	284	6.6	7.9
850	1436	1454	1415	20.8	27.4	14.0	17.1	291	6.9	8.5
800	1958	1980	1936	17.7	26.4	10.2	14.4	292	6.6	8.5
750	2506	2531	2469	14.6	25.0	8.4	11.4	293	5.9	8.1
700	3089	3117	3061	11.5	19.0	6.4	7.7	295	5.0	7.4
650	3708	3735	3679	8.6	19.0	2.0	3.7	302	4.1	6.9
600	4364	4401	4330	5.3	14.0	-1.7	-0.6	308	3.1	6.3
550	5082	5115	5043	1.7	7.8	-8.1	-4.5	321	2.0	6.0
500	5834	5878	5793	-2.3	4.6	-14.3	-8.8	008	1.4	5.9
450	6670	6715	6626	-6.6	0.2	-15.5	-13.8	059	2.0	5.8
400	7577	7629	7527	-11.9	-4.5	-21.5	-19.9	076	3.9	6.6
350	8587	8646	8523	-18.2	-8.3	-28.9	-27.2	081	6.0	7.8
300	9722	9787	9653	-26.1	-17.5	-37.7	-35.0	083	8.6	9.7
250	11016	11085	10935	-35.9	-27.7	-45.7	-44.0	086	11.8	12.6
200	12526	12609	12422	-48.4	-38.3	-59.9		084	16.1	17.0
175	13391	13499	13278	-55.8	-45.3	-66.3		082	18.7	19.9
150	14354	14482	14231	-64.0	-52.1	-74.5		081	21.4	22.7
125	15445	15576	15294	-72.5	-54.9	-84.5		081	24.4	25.6
100	16739	16865	16545	-77.8	-60.1	-88.9		083	27.4	28.1
80	18026	18173	17803	-75.0	-59.1	-88.1		087	24.4	24.7
70	18821	18973	18554	-70.4	-54.9	-84.0		088	22.0	22.4
60	19737	19912	19421	-65.4	-47.5	-81.0		089	20.2	20.6
50	20861	21043	20547	-61.3	-48.7	-73.0		090	20.6	21.0
40	22265	22468	21814	-57.2	-41.5	-69.7		090	21.8	22.1
30	24125	24333	23655	-53.3	-42.7	-63.7		089	24.1	24.5
25	25297	25534	24800	-51.5	-36.9	-62.1		087	25.5	25.8
20	26775	27036	26458	-49.3	-35.7	-60.1				
15										
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7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
528	5400	5700	5050				102	16670	-79.1

NORMALS OF RADIOSONDE DATA

MONTH : SEPTEMBER TIME : 1730 IST STATION : NAGPUR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	969	971	968	29.3	36.4	21.6	22.1	298	1.2	2.5
1000	32	52	17							
950	472	501	441	28.1	35.0	17.6	20.9	298	2.7	5.4
925	719	739	701	26.3	33.0	19.0	19.4	294	2.9	5.4
900	966	988	948	25.0	33.4	17.8	18.1	308	3.3	5.8
850	1465	1489	1444	21.4	32.6	14.2	15.5	315	3.7	6.2
800	1988	2012	1970	17.8	28.4	12.0	12.4	320	3.7	6.5
750	2530	2560	2503	14.3	22.6	7.2	8.5	321	3.7	6.6
700	3117	3144	3100	10.9	18.6	4.6	4.4	320	3.4	6.3
650	3732	3759	3710	7.6	16.2	1.4	0.5	314	2.9	5.9
600	4387	4419	4367	4.4	13.8	-2.3	-3.3	305	2.2	5.6
550	5099	5131	5069	1.0	8.8	-6.3	-7.2	295	1.4	5.3
500	5853	5892	5824	-3.0	5.2	-11.1	-11.7	293	0.6	5.1
450	6685	6728	6650	-7.6	3.8	-15.5	-16.5	096	0.3	5.1
400	7590	7635	7546	-13.0	-4.3	-21.1	-22.4	095	1.2	5.2
350	8595	8643	8541	-19.6	-12.1	-26.1	-29.2	097	2.4	5.6
300	9725	9771	9654	-27.6	-19.5	-37.1	-37.1	097	3.6	6.2
250	11010	11062	10923	-37.6	-27.5	-46.1	-46.1	097	5.8	7.9
200	12509	12583	12403	-50.2	-39.5	-64.5		096	9.1	11.1
175	13368	13449	13248	-57.5	-45.1	-67.9		095	10.9	12.8
150	14324	14418	14188	-65.4	-52.9	-75.1		093	12.8	14.8
125	15409	15521	15254	-73.4	-60.9	-85.1		091	14.5	15.9
100	16694	16836	16509	-78.4	-64.7	-89.3		089	16.1	16.9
80	17974	18130	17760	-74.9	-56.1	-87.5		089	15.7	16.2
70	18767	18947	18560	-70.2	-51.9	-83.5		094	14.6	15.0
60	19692	19868	19454	-65.2	-49.7	-80.0		092	13.8	14.2
50	20818	20985	20550	-61.0	-45.9	-76.0		090	14.7	15.2
40	22235	22471	21854	-57.2	-40.9	-67.7		088	15.4	15.9
30	24078	24421	23676	-53.5	-41.7	-63.7		089	17.4	17.8
25	25265	25632	24720	-51.1	-36.9	-63.9				
20	26744	27128	26486	-49.2	-35.9	-64.3				
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
538	5270	5610	4880				101	16670	-79.7

NORMALS OF RADIOSONDE DATA

MONTH : OCTOBER TIME : 1730 IST STATION : NAGPUR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	973	977	970	29.5	36.0	20.6	18.0	041	1.2	2.1
1000	72	106	42							
950	508	555	449	28.0	34.0	18.0	15.9	045	2.5	4.4
925	758	791	734	26.0	34.0	18.2	14.8	052	2.7	4.2
900	1005	1038	978	24.4	33.0	15.6	12.7	041	2.8	4.4
850	1503	1536	1477	20.4	29.2	12.0	10.0	030	3.1	4.8
800	2023	2056	1997	16.3	26.2	7.4	6.7	019	3.5	5.6
750	2558	2601	2521	12.4	22.8	3.2	3.0	011	3.6	6.2
700	3142	3177	3113	8.9	18.2	-1.1	-0.9	002	3.1	6.1
650	3753	3788	3733	5.9	16.4	-4.9	-4.5	340	2.2	5.7
600	4404	4435	4371	3.1	12.8	-6.5	-8.4	306	1.9	5.7
550	5110	5139	5055	-0.4	11.0	-9.7	-11.6	282	2.2	6.0
500	5861	5893	5823	-4.5	4.6	-13.5	-15.7	275	2.9	6.6
450	6683	6718	6620	-9.5	-1.3	-18.3	-20.7	271	3.7	7.3
400	7583	7621	7531	-15.3	-6.5	-25.3	-26.5	263	4.7	8.1
350	8578	8617	8500	-22.1	-12.1	-35.5	-32.9	256	5.8	9.0
300	9695	9742	9610	-30.1	-19.3	-45.7	-40.5	248	7.3	10.0
250	10968	11028	10865	-40.0	-29.9	-54.5	-49.0	241	8.2	11.3
200	12454	12536	12317	-52.0	-41.5	-64.0		227	8.3	12.3
175	13307	13398	13146	-59.0	-48.7	-72.1		220	8.1	12.4
150	14255	14361	14079	-66.4	-56.7	-78.5		210	7.2	11.9
125	15335	15442	15146	-73.8	-60.7	-85.9		197	5.3	10.3
100	16622	16748	16398	-78.4	-64.3	-90.1		149	3.4	7.9
80	17904	18046	17657	-75.1	-58.9	-89.9		101	4.9	7.3
70	18697	18868	18449	-70.7	-55.1	-90.0		093	5.4	6.8
60	19614	19800	19344	-66.5	-53.0	-81.0		092	6.3	7.4
50	20731	20956	20431	-62.4	-42.1	-83.5		090	6.8	8.0
40	22118	22376	21785	-58.7	-44.1	-70.0		087	8.2	9.0
30	23947	24238	23538	-55.2	-41.9	-65.0		091	10.2	10.8
25	25118	25397	24650	-53.2	-38.9	-63.0		087	10.6	11.3
20	26579	26871	26442	-50.9	-36.9	-60.1				
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
557	5020	5380	4420				102	16540	-79.7

NORMALS OF RADIOSONDE DATA

MONTH : NOVEMBER TIME : 1730 IST STATION : NAGPUR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	977	979	974	27.0	33.0	19.0	13.8	046	1.3	1.8
1000	104	123	81							
950	533	564	497	25.3	32.0	17.0	11.3	056	3.0	4.0
925	782	799	762	23.3	28.8	14.4	9.3	056	2.6	3.5
900	1027	1044	1012	21.6	29.0	13.2	8.4	048	2.8	4.0
850	1519	1537	1507	17.5	27.8	10.0	5.5	029	2.6	4.3
800	2033	2054	2018	13.9	25.0	7.4	1.9	012	2.9	5.0
750	2568	2589	2534	11.0	21.2	2.6	-2.3	354	2.9	5.4
700	3147	3169	3131	8.4	17.2	1.2	-5.9	332	2.8	5.9
650	3756	3784	3722	5.6	14.4	-2.5	-9.2	309	3.2	6.3
600	4405	4428	4385	2.3	10.6	-5.3	-13.3	298	4.2	7.1
550	5109	5141	5074	-1.7	7.8	-10.5	-17.4	288	5.5	8.2
500	5854	5885	5827	-6.3	3.2	-15.7	-21.8	284	7.2	9.6
450	6670	6711	6620	-11.7	-2.9	-20.7	-26.3	280	9.2	11.6
400	7562	7620	7513	-17.7	-8.1	-27.9	-31.9	276	11.4	13.8
350	8546	8623	8487	-24.6	-15.1	-34.0	-38.2	269	14.0	16.1
300	9653	9745	9583	-32.6	-21.9	-44.0	-44.8	263	16.9	18.8
250	10914	11026	10839	-42.1	-31.0	-55.0		256	19.6	21.5
200	12388	12518	12298	-53.6	-42.7	-69.5		249	21.1	23.0
175	13232	13376	13128	-60.2	-49.1	-72.3		247	20.0	21.9
150	14176	14333	14040	-67.0	-55.9	-80.1		249	17.9	19.9
125	15259	15429	15097	-73.4	-61.1	-88.9		252	13.6	15.4
100	16546	16745	16340	-78.0	-65.1	-89.9		254	8.1	10.7
80	17824	18038	17582	-77.1	-61.1	-89.9		261	2.1	7.0
70	18605	18830	18373	-73.7	-56.9	-86.9		296	0.8	5.8
60	19510	19751	19297	-68.9	-53.3	-80.3		009	0.5	5.4
50	20614	20864	20321	-64.2	-45.3	-76.0		079	1.2	5.2
40	21989	22275	21642	-60.5	-48.9	-70.7		088	1.8	5.5
30	23773	24083	23448	-57.2	-43.5	-66.3				
25	24930	25225	24595	-54.8	-41.3	-63.7				
20	26357	26746	25991	-52.5	-42.1	-66.5				
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
572	4790	5280	4290				100	16590	-79.3

NORMALS OF RADIOSONDE DATA

MONTH : DECEMBER TIME : 1730 IST STATION : NAGPUR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	979	980	976	25.3	31.0	17.0	11.1	058	0.8	1.3
1000	121	136	100							
950	548	577	514	23.4	33.4	15.0	8.7	069	2.0	3.3
925	798	809	789	21.2	26.2	14.0	5.9	059	1.7	2.9
900	1038	1052	1022	19.5	29.2	11.0	5.9	040	1.5	3.3
850	1526	1548	1512	15.6	26.0	7.0	2.6	349	1.6	3.9
800	2038	2061	2026	12.6	24.8	4.4	-1.5	325	2.5	4.9
750	2574	2600	2556	10.2	20.8	3.0	-5.9	310	3.5	5.9
700	3147	3166	3131	7.8	18.4	0.2	-9.6	294	4.5	6.8
650	3756	3789	3729	4.8	16.8	-5.9	-13.3	286	6.0	8.0
600	4402	4422	4377	1.3	13.6	-8.1	-16.4	280	8.1	10.1
550	5102	5135	5073	-2.9	9.8	-12.3	-20.1	279	10.0	11.8
500	5845	5880	5821	-7.7	4.4	-18.5	-23.8	276	12.2	13.8
450	6653	6710	6614	-13.1	-0.3	-23.5	-28.4	274	14.6	16.3
400	7543	7595	7507	-19.3	-5.9	-32.9	-33.1	273	17.3	19.0
350	8523	8583	8475	-26.2	-14.7	-37.7	-38.8	270	20.8	22.6
300	9622	9700	9560	-34.1	-23.1	-46.1	-45.5	268	23.9	26.0
250	10873	10962	10793	-43.6	-32.1	-57.7	-53.4	261	27.8	30.2
200	12340	12448	12234	-54.6	-42.9	-70.0		257	29.2	31.6
175	13184	13299	13073	-60.4	-51.3	-72.1		255	28.7	31.0
150	14131	14269	14020	-66.1	-56.1	-78.1		256	26.5	28.3
125	15221	15377	15110	-71.1	-61.7	-86.1		257	22.3	23.6
100	16525	16698	16414	-75.7	-64.9	-87.9		260	15.7	17.4
80	17811	18032	17700	-76.2	-56.7	-87.9		268	8.4	10.9
70	18584	18810	18451	-74.1	-53.9	-84.9		272	5.7	8.5
60	19488	19773	19367	-70.1	-53.9	-82.9		278	3.8	7.1
50	20574	20869	20314	-65.4	-51.0	-80.7		284	1.9	6.3
40	21938	22268	21786	-61.3	-50.1	-71.1		266	0.8	6.4
30	23733	24211	23449	-57.8	-44.1	-69.0		261	0.7	6.2
25	24876	25370	24436	-56.0	-46.7	-67.1				
20	26311	27080	25850	-53.7	-40.7	-63.5				
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
584	4610	5040	4170				096	16790	-77.5

NORMALS OF RADIOSONDE DATA

MONTH : JANUARY TIME : 1730 IST STATION : NEW DELHI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	983	985	981	17.9	26.4	10.0	7.1	306	2.2	3.3
1000	126	143	110							
950	563	581	547	15.3	24.6	7.0	4.7	303	3.7	5.6
925	791	806	779	13.6	22.0	6.6	4.1	310	3.1	5.0
900	1019	1038	1000	12.0	22.0	4.0	0.5	308	3.3	5.3
850	1496	1516	1473	9.4	19.4	0.0	-3.7	298	3.7	5.7
800	1996	2019	1968	6.7	17.8	-4.9	-6.0	287	4.5	6.4
750	2522	2550	2491	3.8	15.0	-7.1	-8.7	279	5.8	7.6
700	3080	3119	3044	.6	11.8	-10.0	-11.7	277	7.6	9.3
650	3670	3720	3629	-2.9	7.2	-13.9	-15.0	274	10.0	11.6
600	4300	4358	4254	-6.8	2.8	-17.5	-18.5	274	12.9	14.4
550	4973	5044	4923	-11.3	-1.9	-22.0	-21.9	273	16.1	17.5
500	5699	5779	5644	-16.2	-5.3	-27.5	-26.2	273	19.7	21.1
450	6482	6577	6425	-21.7	-8.7	-32.7	-31.0	272	24.0	25.6
400	7342	7447	7282	-27.7	-12.1	-39.0	-36.3	272	28.8	30.5
350	8289	8408	8219	-34.1	-18.1	-46.0	-42.2	272	34.0	36.1
300	9354	9489	9273	-40.9	-25.3	-53.5	-48.9	271	40.3	42.6
250	10575	10737	10486	-47.9	-33.9	-62.3		269	46.9	49.3
200	12024	12233	11931	-54.7	-41.7	-70.1		268	50.1	52.2
175	12874	13092	12771	-58.0	-45.3	-76.1		267	49.0	50.7
150	13837	14060	13712	-61.7	-49.9	-73.9		267	45.6	47.1
125	14956	15170	14799	-65.7	-52.9	-77.5		267	40.4	41.6
100	16299	16508	16121	-69.0	-56.7	-80.3		268	32.4	33.3
80	17630	17838	17415	-69.1	-59.0	-81.1		268	23.1	24.0
70	18429	18648	18203	-68.2	-56.7	-80.1		269	17.8	19.0
60	19361	19574	19103	-66.0	-53.3	-78.3		269	13.1	14.9
50	20476	20701	20196	-63.1	-48.5	-75.5		271	9.8	12.7
40	21868	22123	21554	-59.6	-41.7	-74.1		268	7.5	11.3
30	23684	24014	23328	-56.0	-38.7	-69.5		267	8.4	12.1
25	24851	25235	24488	-54.0	-36.1	-66.3		267	8.8	12.3
20	26279	26720	25958	-52.3	-40.1	-62.7				
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
692	3180	4000	2730	216	11600	-57.8	103	16290	-70.7

NORMALS OF RADIOSONDE DATA

MONTH : FEBRUARY TIME : 1730 IST STATION : NEW DELHI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	981	984	977	21.0	31.0	10.4	7.7	304	2.3	3.7
1000	106	130	71							
950	547	569	516	18.3	29.0	8.8	5.5	300	3.8	6.0
925	777	795	766	16.4	27.4	7.4	6.3	304	3.3	5.3
900	1008	1032	979	14.4	26.2	4.0	1.9	301	3.5	5.7
850	1488	1515	1462	11.1	23.0	-2.0	-1.9	292	4.0	6.2
800	1991	2022	1969	8.1	20.0	-7.0	-4.9	284	5.0	7.1
750	2520	2553	2496	4.7	16.8	-8.0	-8.1	280	6.4	8.3
700	3079	3116	3051	1.2	14.4	-9.0	-11.0	277	8.4	10.1
650	3670	3709	3640	-2.6	11.6	-13.0	-14.3	275	10.6	12.2
600	4302	4351	4267	-6.6	6.0	-18.0	-18.1	274	13.3	14.8
550	4975	5029	4927	-11.0	1.6	-22.0	-22.2	274	16.2	17.7
500	5701	5764	5657	-15.9	-3.7	-27.0	-26.2	274	19.6	21.3
450	6486	6553	6437	-21.3	-7.7	-34.0	-30.5	273	23.4	25.1
400	7346	7417	7293	-27.3	-14.3	-38.0	-36.3	273	27.9	29.8
350	8295	8375	8231	-33.7	-18.0	-46.0	-42.5	272	33.2	35.5
300	9362	9458	9287	-40.4	-24.0	-55.0		272	39.2	41.8
250	10586	10713	10501	-47.1	-33.9	-60.0		271	45.5	48.5
200	12043	12199	11929	-53.3	-38.5	-70.3		270	48.9	51.5
175	12899	13057	12770	-56.6	-42.1	-75.3		269	47.5	49.6
150	13867	14009	13728	-60.7	-47.1	-76.9		269	45.5	47.2
125	14989	15109	14839	-65.0	-52.9	-78.1		269	39.7	41.2
100	16336	16450	16168	-68.7	-58.1	-81.3		269	31.4	32.5
80	17676	17825	17500	-69.2	-54.3	-86.1		270	21.8	23.1
70	18477	18617	18292	-68.1	-54.1	-79.5		270	16.6	18.0
60	19409	19555	19218	-65.9	-51.5	-77.7		270	12.0	14.0
50	20529	20673	20304	-62.3	-48.3	-74.1		267	9.3	11.4
40	21926	22095	21707	-58.7	-45.9	-70.1		267	7.6	10.1
30	23753	23963	23475	-55.1	-39.7	-68.7		264	8.3	11.7
25	24932	25178	24654	-53.2	-38.3	-67.9		264	6.6	11.0
20	26370	26711	26062	-51.4	-39.1	-67.3				
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
685	3270	3860	2870	227	11310	-55.5	100	16420	-70.4

NORMALS OF RADIOSONDE DATA

MONTH : MARCH TIME : 1730 IST STATION : NEW DELHI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	978	980	975	26.9	37.4	14.0	9.4	310	2.7	4.0
1000	77	96	51							
950	526	543	500	24.4	35.6	11.8	7.7	305	4.6	6.7
925	760	775	730	22.2	34.0	13.0	8.9	308	4.4	6.0
900	997	1013	979	20.2	32.0	6.0	4.8	305	4.2	6.3
850	1486	1505	1473	16.2	26.4	1.0	1.5	294	5.0	6.9
800	1998	2022	1981	12.3	23.0	-2.7	-1.7	287	6.1	7.8
750	2534	2564	2511	8.4	17.2	-5.7	-4.8	282	7.4	9.1
700	3100	3137	3073	4.3	13.4	-7.5	-8.2	278	8.8	10.5
650	3698	3742	3662	.1	9.0	-11.7	-11.5	276	10.6	12.1
600	4335	4385	4294	-4.1	4.6	-14.9	-15.4	275	12.6	14.0
550	5015	5072	4968	-8.7	-0.3	-19.0	-19.3	275	14.9	16.3
500	5747	5812	5697	-13.8	-4.9	-24.0	-23.6	274	17.5	19.0
450	6539	6612	6482	-19.4	-9.0	-30.0	-28.2	274	20.5	22.1
400	7405	7489	7346	-25.7	-13.5	-38.5	-34.1	273	24.0	25.8
350	8359	8453	8294	-32.6	-18.1	-46.9	-40.5	273	27.9	29.9
300	9430	9532	9358	-40.2	-23.1	-53.7	-47.0	273	32.3	34.8
250	10653	10768	10567	-48.0	-32.3	-63.1		272	37.0	39.9
200	12103	12252	12009	-54.2	-41.1	-68.3		270	40.5	43.0
175	12954	13114	12858	-57.0	-45.9	-69.3		270	40.3	42.5
150	13924	14077	13823	-60.6	-48.5	-73.5		269	37.7	39.5
125	15047	15196	14923	-64.9	-50.1	-75.7		269	33.0	34.4
100	16397	16565	16270	-68.9	-52.9	-80.1		270	25.9	27.1
80	17729	17935	17573	-69.8	-56.5	-80.7		272	17.9	19.0
70	18530	18747	18380	-68.7	-56.0	-80.1		275	12.7	14.3
60	19460	19690	19276	-66.2	-52.5	-79.7		275	8.6	10.8
50	20574	20835	20422	-62.7	-49.7	-75.5		276	5.3	8.5
40	21963	22253	21784	-58.5	-46.5	-72.5		265	3.9	7.7
30	23793	24080	23581	-54.1	-37.5	-68.5		266	4.5	8.7
25	24962	25252	24700	-52.1	-40.0	-65.0		267	5.9	8.9
20	26410	26653	26110	-50.0	-37.3	-60.3				
15	28294	28538	27853	-47.9	-35.3	-58.9				
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
648	3730	4230	3340	219	11580	-57.2	100	16460	-70.8

NORMALS OF RADIOSONDE DATA

MONTH : APRIL TIME : 1730 IST STATION : NEW DELHI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	973	976	971	34.2	43.0	20.0	9.2	307	3.0	4.1
1000	29	51	1							
950	490	509	468	31.9	41.6	15.0	8.3	302	5.3	7.0
925	734	748	705	29.7	39.0	17.4	9.2	311	4.2	5.9
900	972	989	953	27.4	40.0	15.6	6.1	306	5.0	6.6
850	1473	1492	1457	22.7	35.0	11.2	3.9	299	5.2	6.7
800	1996	2018	1975	18.0	28.4	6.2	1.5	291	5.8	7.1
750	2542	2569	2514	13.2	23.6	1.8	-1.1	286	6.6	7.9
700	3118	3148	3079	8.4	18.0	-3.1	-4.4	283	7.7	9.2
650	3725	3759	3682	3.6	12.8	-6.3	-8.3	281	9.0	10.5
600	4370	4406	4319	-1.0	8.0	-11.0	-12.6	280	10.5	12.1
550	5057	5100	5000	-5.7	3.0	-16.0	-17.7	280	11.8	13.4
500	5798	5852	5735	-10.8	-0.7	-20.0	-22.5	280	13.3	14.9
450	6599	6656	6529	-16.5	-9.7	-29.0	-27.3	280	15.1	16.7
400	7475	7546	7400	-23.0	-13.0	-33.0	-32.5	277	17.2	19.1
350	8438	8516	8358	-30.3	-18.5	-40.3	-38.6	276	20.0	22.2
300	9518	9616	9432	-38.2	-26.9	-47.9	-45.1	275	23.6	26.2
250	10751	10875	10655	-46.4	-34.3	-57.9		273	28.0	30.7
200	12210	12370	12100	-53.3	-39.1	-66.0		272	31.9	34.6
175	13064	13237	12946	-56.5	-44.1	-71.5		271	31.9	34.3
150	14034	14209	13914	-60.4	-46.5	-73.1		270	29.6	31.5
125	15159	15320	15053	-65.1	-52.1	-76.1		270	25.0	26.6
100	16502	16639	16373	-69.7	-55.7	-80.0		271	18.3	19.7
80	17829	17967	17698	-70.8	-56.5	-82.1		274	10.2	12.7
70	18621	18785	18485	-69.4	-56.5	-82.0		279	6.1	9.8
60	19553	19744	19407	-66.4	-49.5	-77.5		282	2.9	7.8
50	20675	20871	20498	-62.0	-43.3	-77.1		285	1.8	7.0
40	22078	22278	21848	-57.1	-40.9	-73.7		286	1.2	6.2
30	23917	24128	23579	-51.9	-36.1	-68.1		277	2.7	6.9
25	25110	25341	24682	-49.5	-38.5	-66.1		272	3.1	6.7
20	26571	26795	26269	-47.2	-36.9	-62.9		269	5.3	8.3
15	28462	28850	28114	-44.7	-34.5	-60.9				
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
611	4230	4740	3760	212	11830	-56.5	097	16760	-71.7

NORMALS OF RADIOSONDE DATA

MONTH : MAY TIME : 1730 IST STATION : NEW DELHI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	969	974	966	37.3	45.0	23.0	12.5	302	2.5	4.3
1000	16	40	0							
950	455	498	430	35.5	47.6	21.8	12.0	298	4.7	7.0
925	697	713	676	33.9	45.6	23.6	12.1	303	3.8	6.2
900	944	978	923	31.0	43.2	17.6	10.0	303	4.5	6.6
850	1451	1478	1433	26.5	39.2	14.0	7.6	297	4.9	6.7
800	1981	2001	1966	21.8	35.0	10.2	5.1	292	5.7	7.1
750	2534	2560	2517	16.9	30.2	4.6	2.4	289	6.8	7.9
700	3118	3151	3098	11.8	24.8	0.8	-1.0	288	8.0	9.1
650	3732	3771	3707	6.7	21.0	-3.5	-5.2	289	9.0	10.3
600	4384	4430	4355	1.7	15.2	-9.3	-10.4	291	9.9	11.4
550	5078	5130	5042	-3.1	9.2	-14.5	-15.2	292	10.6	12.2
500	5826	5885	5781	-7.9	4.0	-18.1	-20.2	291	11.4	13.0
450	6636	6700	6583	-13.2	-2.7	-23.7	-25.2	289	12.6	14.4
400	7524	7593	7464	-19.3	-7.9	-30.9	-30.1	286	14.3	16.3
350	8503	8582	8433	-26.1	-11.7	-38.9	-36.4	282	16.4	18.8
300	9603	9700	9516	-33.5	-20.9	-47.1	-43.0	277	19.1	21.8
250	10862	10980	10757	-41.6	-29.7	-56.5		272	22.1	24.9
200	12346	12485	12203	-50.7	-40.3	-64.7		269	23.7	26.3
175	13207	13354	13051	-55.7	-46.7	-68.1		267	23.5	25.7
150	14178	14333	14013	-61.1	-51.3	-73.7		267	20.9	22.9
125	15293	15459	15108	-67.0	-55.7	-79.9		265	16.9	18.9
100	16622	16803	16416	-72.0	-59.7	-89.9		264	10.7	13.3
80	17934	18085	17706	-72.8	-56.0	-86.5		254	4.0	8.3
70	18725	18877	18482	-70.6	-55.9	-83.9		216	1.2	7.2
60	19649	19835	19418	-66.0	-52.5	-78.0		108	2.0	6.5
50	20769	21003	20556	-60.5	-45.5	-77.0		091	2.8	6.5
40	22179	22472	21970	-55.3	-39.9	-74.0		089	3.1	6.2
30	24036	24348	23666	-50.5	-39.1	-71.0		089	2.6	6.1
25	25232	25562	24864	-48.1	-35.1	-69.0		071	1.7	6.1
20	26726	27047	26439	-45.6	-35.5	-67.3		042	1.4	6.2
15	28670	28925	28387	-42.9	-32.9	-53.7				
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
580	4650	5220	4240	190	12670	-59.2	096	16930	-74.0

NORMALS OF RADIOSONDE DATA

MONTH : JUNE TIME : 1730 IST STATION : NEW DELHI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	965	968	963	36.6	45.0	23.0	18.7	300	1.7	4.0
1000	47	75	21							
950	419	443	394	35.2	44.0	22.8	17.8	301	2.8	6.2
925	665	684	651	32.9	42.0	21.0	18.1	325	2.6	5.9
900	909	929	886	31.0	40.4	20.4	15.4	311	2.9	6.2
850	1418	1437	1396	26.7	36.0	16.0	13.4	306	3.6	6.2
800	1949	1967	1928	22.4	31.6	14.0	10.8	302	4.5	6.6
750	2505	2528	2481	18.1	26.2	10.0	7.7	299	5.7	7.4
700	3093	3119	3067	13.7	23.0	6.0	3.5	302	6.6	8.3
650	3712	3744	3686	9.2	19.0	2.0	-1.8	305	7.2	8.9
600	4371	4407	4347	4.7	14.0	-4.1	-6.4	308	7.5	9.4
550	5074	5115	5045	0.4	8.6	-8.9	-10.7	306	7.3	9.5
500	5833	5880	5799	-3.7	5.2	-14.5	-14.2	300	6.9	9.4
450	6659	6713	6617	-7.7	2.0	-20.9	-18.2	291	7.2	10.1
400	7568	7627	7518	-12.6	-3.7	-27.9	-23.1	284	8.2	11.4
350	8574	8640	8508	-18.7	-9.7	-32.5	-28.6	278	9.2	12.6
300	9710	9785	9622	-26.2	-17.9	-42.5	-34.8	272	10.0	13.4
250	11005	11096	10889	-35.6	-25.3	-53.5	-42.1	265	10.2	13.6
200	12520	12634	12372	-47.2	-36.7	-61.7		261	9.5	13.3
175	13392	13519	13222	-53.9	-41.5	-65.1		259	8.7	12.8
150	14365	14510	14173	-61.2	-48.1	-73.5		256	6.7	11.9
125	15476	15658	15239	-68.6	-55.5	-80.9		253	3.9	10.2
100	16792	17001	16517	-75.1	-62.3	-87.0		147	0.8	8.5
80	18082	18336	17787	-75.5	-53.1	-88.1		105	5.1	8.6
70	18860	19128	18552	-72.3	-52.1	-88.7		097	7.1	9.0
60	19777	20065	19455	-66.7	-46.3	-86.1		093	8.7	9.9
50	20894	21208	20563	-61.1	-43.3	-76.5		089	10.5	11.0
40	22295	22665	21942	-56.1	-41.1	-72.3		093	11.2	11.7
30	24146	24557	23812	-51.4	-38.0	-63.7		090	11.9	12.4
25	25341	25778	24985	-49.1	-35.5	-61.5		087	11.8	12.4
20	26816	27382	26596	-47.0	-31.7	-61.1		085	12.8	13.3
15	28721	29408	28452	-45.1	-33.1	-58.1				
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
542	5200	5830	4740				093	17250	-77.5

NORMALS OF RADIOSONDE DATA

MONTH : JULY TIME : 1730 IST STATION : NEW DELHI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	966	967	964	32.3	42.4	23.2	24.1	292	0.3	3.3
1000	42	55	27							
950	418	442	403	31.1	41.2	23.0	23.1	281	0.6	5.3
925	658	670	647	29.1	36.8	21.4	22.5	057	0.3	4.8
900	903	919	887	27.4	38.2	18.8	20.5	324	0.3	5.4
850	1408	1425	1390	23.8	33.2	16.6	17.9	303	0.8	5.8
800	1936	1954	1917	20.3	30.0	14.0	15.1	296	1.4	6.3
750	2490	2510	2469	16.9	24.2	10.0	11.7	302	1.8	6.6
700	3077	3097	3059	13.6	20.2	7.6	7.7	313	2.1	6.5
650	3697	3721	3676	10.1	17.0	4.2	2.9	326	2.3	6.6
600	4361	4385	4341	6.6	16.0	0.4	-1.8	333	2.2	6.7
550	5070	5098	5048	2.8	10.2	-5.1	-5.7	330	1.8	6.4
500	5838	5868	5817	-1.1	5.8	-8.7	-9.6	314	1.3	6.3
450	6671	6706	6645	-5.3	3.8	-14.5	-14.6	279	1.0	6.4
400	7590	7633	7561	-10.3	-2.1	-18.3	-19.6	250	0.9	6.6
350	8605	8655	8568	-16.5	-9.7	-25.3	-25.8	221	1.0	6.8
300	9750	9806	9695	-24.2	-15.7	-35.1	-32.9	191	0.9	7.0
250	11056	11124	10979	-33.9	-24.9	-45.5	-41.5	162	1.7	7.4
200	12582	12670	12480	-46.1	-35.9	-58.1	-52.1	139	2.6	8.4
175	13456	13555	13337	-53.4	-41.7	-66.1		121	3.3	8.9
150	14429	14542	14292	-61.5	-50.7	-74.5		106	4.4	9.5
125	15538	15660	15379	-69.7	-56.5	-81.1		091	6.9	10.6
100	16848	16972	16655	-76.0	-65.3	-88.3		087	10.6	12.4
80	18132	18285	17926	-75.9	-61.0	-87.5		090	13.2	14.1
70	18911	19099	18687	-72.1	-55.7	-84.9		089	14.0	14.6
60	19835	20032	19591	-66.6	-52.9	-78.9		087	14.8	15.2
50	20955	21179	20695	-61.3	-46.3	-74.5		088	15.8	16.2
40	22356	22647	22086	-56.3	-45.7	-65.3		090	16.5	16.9
30	24205	24508	23959	-52.0	-41.9	-60.7		089	17.6	18.0
25	25397	25713	25108	-49.8	-36.3	-57.3		088	18.7	19.3
20	26865	27259	26677	-47.6	-37.1	-56.3		087	19.8	20.2
15	28757	29163	28571	-45.3	-37.1	-54.1				
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
514	5610	6040	5180				096	17100	-78.0

NORMALS OF RADIOSONDE DATA

MONTH : AUGUST TIME : 1730 IST STATION : NEW DELHI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	968	969	966	31.1	40.4	23.4	24.1	303	0.4	3.1
1000	22	40	8							
950	436	453	416	29.8	39.2	22.4	23.2	299	0.8	5.2
925	680	686	672	28.0	34.0	20.8	21.8	318	0.5	4.9
900	920	935	903	26.2	36.2	18.2	20.6	359	0.5	5.2
850	1423	1439	1408	22.7	30.8	15.8	18.0	356	0.4	5.8
800	1949	1969	1934	19.5	27.0	12.0	14.8	338	0.7	6.0
750	2500	2526	2483	16.3	23.4	10.0	10.8	344	1.2	6.4
700	3088	3115	3071	13.2	20.2	7.0	6.8	351	1.7	6.4
650	3708	3741	3688	9.9	15.4	3.6	2.4	360	1.9	6.3
600	4371	4409	4350	6.4	12.4	-0.5	-1.8	009	1.8	6.0
550	5080	5126	5056	2.7	9.8	-7.1	-5.7	009	1.3	5.7
500	5848	5898	5815	-1.1	7.0	-9.1	-9.6	005	0.6	5.7
450	6680	6739	6639	-5.5	5.0	-13.3	-14.2	333	0.3	5.8
400	7598	7660	7552	-10.8	-2.3	-20.7	-19.9	274	0.2	5.9
350	8610	8681	8554	-17.1	-9.1	-28.1	-26.4	191	0.6	6.2
300	9753	9828	9675	-25.0	-17.7	-37.1	-33.6	166	1.1	6.6
250	11054	11137	10948	-34.8	-23.1	-48.5	-42.5	157	1.8	7.1
200	12572	12665	12431	-47.2	-33.9	-62.1		131	2.5	7.9
175	13442	13545	13284	-54.6	-37.3	-70.1		119	3.3	8.3
150	14411	14525	14231	-62.7	-42.1	-78.5		104	4.5	9.1
125	15513	15647	15302	-70.7	-49.1	-83.5		092	6.8	9.8
100	16816	16977	16573	-76.6	-59.7	-87.3		093	10.1	11.8
80	18102	18273	17835	-74.9	-59.7	-85.1		094	12.5	13.5
70	18884	19058	18610	-70.5	-54.0	-81.5		090	12.9	13.8
60	19810	19999	19524	-65.6	-52.7	-77.9		088	13.8	14.5
50	20932	21127	20652	-60.5	-47.3	-76.1		090	15.1	15.7
40	22337	22531	22041	-56.2	-42.5	-66.9		092	15.5	16.5
30	24191	24420	23887	-52.0	-39.0	-63.0		090	16.2	16.7
25	25377	25643	24994	-50.2	-38.9	-60.0		087	17.7	18.4
20	26853	27200	26624	-48.0	-34.9	-58.3				
15	28728	28986	28484	-46.4	-37.1	-66.9				
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
514	5620	6100	5170				099	16910	-78.0

NORMALS OF RADIOSONDE DATA

MONTH : SEPTEMBER TIME : 1730 IST STATION : NEW DELHI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	972	973	970	31.3	37.4	22.0	20.6	314	1.5	3.5
1000	16	31	1							
950	475	490	461	29.7	37.8	20.6	19.3	313	2.9	5.9
925	713	727	705	27.5	34.6	21.0	18.8	345	2.1	5.2
900	957	971	940	25.9	33.4	19.0	17.0	327	2.7	5.7
850	1459	1472	1442	22.0	28.0	15.2	14.5	317	3.0	6.1
800	1983	1997	1966	18.3	26.0	11.6	10.7	311	3.5	6.6
750	2531	2547	2516	14.7	20.8	9.0	5.7	314	3.8	6.7
700	3113	3129	3099	11.1	18.6	4.0	0.6	317	4.0	6.8
650	3727	3744	3712	7.3	14.0	-5.1	-3.2	319	3.7	6.6
600	4383	4404	4363	3.6	11.4	-7.3	-7.0	314	3.4	6.4
550	5085	5109	5057	0.1	7.8	-9.5	-10.1	302	3.2	6.6
500	5844	5873	5808	-3.6	3.4	-14.3	-13.7	283	3.8	7.1
450	6668	6704	6621	-8.1	-1.7	-19.9	-18.5	271	5.3	8.0
400	7576	7616	7518	-13.5	-6.7	-23.9	-23.8	262	6.8	9.1
350	8578	8626	8500	-20.1	-12.3	-30.9	-30.2	257	8.3	10.5
300	9706	9763	9606	-28.0	-19.3	-37.3	-37.2	254	9.7	11.7
250	10991	11061	10865	-37.7	-26.7	-47.9	-44.9	251	10.5	12.7
200	12492	12580	12354	-49.7	-37.3	-61.5		249	10.4	13.1
175	13353	13451	13193	-56.6	-42.7	-68.7		247	9.5	12.6
150	14315	14431	14135	-64.1	-49.9	-77.0		246	7.7	11.3
125	15411	15565	15215	-71.4	-57.1	-84.9		239	4.6	9.4
100	16708	16884	16460	-76.2	-65.0	-85.5		181	1.7	7.3
80	17995	18200	17716	-73.6	-56.1	-89.0		110	3.8	7.1
70	18783	19004	18504	-69.1	-51.1	-82.0		100	5.0	7.3
60	19718	19957	19431	-63.8	-46.1	-75.5		096	6.0	7.5
50	20850	21107	20535	-59.4	-40.9	-73.1		092	7.9	8.7
40	22261	22541	21927	-55.8	-41.1	-68.9		092	9.3	10.1
30	24110	24448	23778	-52.2	-36.9	-64.9		091	9.8	10.6
25	25299	25615	24896	-50.4	-38.1	-62.9		088	10.4	11.5
20	26756	27157	26238	-48.5	-37.7	-61.1		085	11.6	12.4
15	28662	29203	28116	-46.3	-37.5	-56.3				
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
549	5100	5550	4560				100	16700	-77.7

NORMALS OF RADIOSONDE DATA

MONTH : OCTOBER TIME : 1730 IST STATION : NEW DELHI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	977	981	975	29.6	36.0	18.0	12.9	318	2.1	3.1
1000	68	109	45							
950	523	559	498	27.7	34.0	13.4	11.0	321	3.8	5.4
925	762	792	745	25.6	30.8	15.4	11.3	333	3.4	4.7
900	1000	1029	977	23.8	30.8	13.6	8.7	323	3.7	5.2
850	1496	1520	1472	19.6	27.0	11.2	6.0	314	4.0	5.4
800	2015	2033	1990	15.5	26.4	7.4	2.1	307	4.7	5.9
750	2556	2573	2533	11.6	19.2	2.8	-2.6	304	5.2	6.5
700	3130	3147	3105	7.6	15.2	-0.5	-6.5	303	5.4	7.0
650	3736	3753	3710	3.7	12.0	-4.5	-10.2	300	5.8	7.4
600	4381	4401	4349	0.0	9.4	-8.7	-13.9	295	6.6	8.1
550	5072	5101	5039	-4.0	10.2	-12.5	-17.2	288	7.9	9.4
500	5819	5856	5784	-8.5	0.8	-18.1	-21.8	282	9.8	11.4
450	6627	6673	6588	-13.7	-3.1	-24.3	-25.5	277	12.5	14.3
400	7514	7577	7467	-19.6	-8.3	-32.1	-29.7	273	15.8	17.8
350	8492	8566	8432	-26.2	-15.1	-40.5		269	19.5	21.5
300	9593	9698	9505	-33.5	-22.3	-46.1		265	23.4	25.5
250	10849	10981	10736	-42.2	-30.7	-55.1		262	27.0	28.9
200	12326	12484	12193	-52.3	-40.5	-64.3		261	29.2	30.9
175	13179	13349	13028	-58.0	-46.3	-70.1		260	28.0	29.4
150	14137	14313	13976	-64.0	-50.3	-76.7		260	25.4	26.7
125	15238	15410	15063	-69.7	-54.1	-82.5		260	21.0	22.3
100	16553	16715	16367	-73.3	-57.7	-85.0		260	13.9	15.5
80	17861	18076	17671	-71.3	-58.1	-85.1		261	6.8	9.0
70	18657	18891	18456	-67.9	-54.1	-80.5		263	3.7	7.1
60	19590	19834	19387	-63.9	-50.1	-77.3		256	1.2	6.2
50	20718	20984	20500	-60.0	-46.9	-73.1		085	0.4	5.3
40	22123	22444	21905	-56.5	-42.9	-68.1		105	1.2	5.9
30	23971	24348	23732	-52.6	-39.9	-64.1		098	1.2	6.2
25	25148	25418	24894	-50.9	-42.9	-62.1		097	0.6	6.5
20	26591	26764	26329	-49.6	-40.9	-60.3		327	0.9	6.8
15	28487	28678	28106	-48.2	-39.5	-57.1				
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
599	4400	5040	3910				105	16300	-74.5

NORMALS OF RADIOSONDE DATA

MONTH : NOVEMBER TIME : 1730 IST STATION : NEW DELHI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	981	983	979	24.4	31.0	14.0	8.4	313	2.3	2.9
1000	107	125	90							
950	554	572	537	22.4	30.6	14.0	6.4	310	3.7	5.2
925	787	806	777	20.6	28.0	13.2	6.7	319	3.2	4.5
900	1022	1038	1004	18.5	25.8	11.0	3.9	315	3.6	4.8
850	1509	1525	1488	14.8	22.0	6.0	0.2	310	4.1	5.2
800	2018	2033	1994	11.5	20.0	2.0	-3.6	307	4.6	6.0
750	2554	2568	2525	8.3	19.0	-1.7	-7.0	302	5.1	6.6
700	3120	3135	3086	5.0	15.6	-6.1	-10.7	298	5.9	7.4
650	3719	3739	3679	1.6	12.0	-11.7	-14.9	293	7.2	8.7
600	4360	4384	4313	-2.2	7.0	-15.7	-17.6	288	9.0	10.5
550	5045	5069	4988	-6.6	2.2	-18.0	-21.6	284	11.3	12.8
500	5784	5820	5718	-11.5	-2.1	-22.1	-25.1	280	14.2	15.8
450	6582	6620	6504	-17.2	-8.1	-26.9	-29.0	277	17.6	19.3
400	7456	7511	7368	-23.5	-12.1	-33.0	-33.6	276	21.6	23.5
350	8418	8479	8318	-30.5	-17.9	-41.1	-39.1	273	25.9	28.0
300	9499	9579	9381	-37.9	-25.9	-48.7		272	30.8	33.0
250	10733	10834	10599	-46.0	-35.5	-59.9		269	35.7	38.1
200	12190	12316	12039	-54.7	-41.3	-66.1		266	38.8	41.0
175	13037	13174	12868	-59.2	-44.1	-70.9		266	37.9	39.9
150	13994	14138	13801	-63.5	-48.3	-78.5		266	35.8	37.4
125	15101	15253	14880	-68.0	-54.5	-85.9		267	31.5	32.8
100	16429	16577	16141	-71.4	-57.7	-86.7		269	23.0	24.3
80	17750	17882	17392	-71.1	-56.3	-84.1		271	13.8	15.8
70	18547	18688	18151	-69.3	-55.1	-80.3		273	9.9	11.9
60	19474	19635	19039	-66.2	-51.9	-76.7		277	7.0	9.6
50	20592	20764	20112	-62.2	-44.9	-76.5		276	4.8	8.5
40	21987	22207	21464	-58.3	-44.9	-73.0		269	4.0	7.8
30	23825	24192	23218	-54.3	-41.3	-68.0		264	5.0	9.1
25	25003	25550	24408	-52.5	-38.5	-66.0		264	5.4	8.9
20	26428	26774	25874	-50.8	-41.9	-62.5				
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
629	3990	4460	3440	187	12680	-60.2	104	16290	-72.7

NORMALS OF RADIOSONDE DATA

MONTH : DECEMBER TIME : 1730 IST STATION : NEW DELHI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	984	985	981	19.2	25.6	8.0	7.0	306	2.3	3.1
1000	131	145	108							
950	569	583	549	17.1	24.0	6.4	4.6	303	3.9	5.2
925	800	809	792	15.8	22.0	6.6	3.9	313	3.5	4.5
900	1029	1043	1009	13.9	22.0	4.6	0.5	312	3.7	5.2
850	1509	1525	1489	11.4	19.4	3.0	-3.8	309	4.1	5.8
800	2013	2031	1992	9.0	17.8	-0.9	-6.9	301	4.7	6.4
750	2544	2565	2521	6.2	15.8	-3.9	-9.4	294	5.6	7.2
700	3106	3136	3083	3.0	12.2	-6.9	-12.2	288	6.8	8.5
650	3701	3738	3675	-0.5	7.8	-10.5	-15.5	283	8.6	10.3
600	4337	4384	4304	-4.5	4.2	-14.7	-19.0	280	10.9	12.5
550	5016	5068	4978	-9.0	0.0	-18.3	-22.9	278	13.7	15.2
500	5748	5817	5704	-14.0	-5.1	-24.5	-26.9	276	17.2	18.7
450	6539	6610	6489	-19.5	-9.9	-30.5	-30.9	274	20.9	22.7
400	7404	7498	7346	-25.8	-14.0	-39.0	-35.8	273	24.8	26.6
350	8358	8453	8296	-32.6	-21.0	-44.1	-42.1	272	29.3	31.2
300	9428	9545	9350	-40.1	-26.5	-50.3	-48.6	271	34.6	36.7
250	10651	10781	10555	-48.2	-33.9	-61.3		269	40.7	43.2
200	12095	12239	11971	-56.1	-43.5	-69.9		267	44.5	46.8
175	12938	13090	12802	-59.5	-49.1	-72.1		267	43.5	45.4
150	13896	14053	13754	-62.8	-52.7	-74.0		267	41.0	42.6
125	15010	15165	14869	-66.2	-54.9	-76.3		267	36.6	38.0
100	16351	16507	16218	-69.4	-57.3	-80.0		267	30.2	31.2
80	17679	17823	17558	-69.5	-56.9	-80.9		268	20.8	21.9
70	18479	18623	18366	-68.4	-54.3	-80.1		269	16.4	17.4
60	19412	19537	19302	-66.1	-52.9	-77.7		271	12.0	13.2
50	20525	20659	20409	-63.1	-50.7	-74.3		270	9.5	11.4
40	21906	22069	21784	-59.5	-46.5	-72.9		270	7.5	10.0
30	23728	23969	23537	-55.8	-43.5	-71.9		265	7.4	10.5
25	24899	25209	24725	-53.9	-40.1	-67.7		267	8.6	11.3
20	26332	26598	26137	-52.0	-39.3	-64.5				
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
659	3600	4240	3140	193	12370	-61.1	104	16200	-70.9

NORMALS OF RADIOSONDE DATA

MONTH : JANUARY TIME : 1730 IST STATION : PATIALA

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	986	988	983	17.3	25.0	10.0	9.7	313	1.4	2.3
1000	126	139	112							
950	560	577	549	14.8	28.4	7.6	4.9	313	3.3	5.4
925	780	789	772	13.3	26.8	5.8	2.3	310	3.4	6.2
900	1017	1034	1002	11.8	24.4	3.8	-1.0	312	3.1	5.9
850	1493	1513	1476	9.1	21.8	1.0	-5.1	311	2.3	5.9
800	1992	2021	1974	6.2	20.2	-2.1	-7.3	292	1.7	5.7
750	2517	2546	2497	3.0	18.4	-5.1	-9.9	273	1.6	5.8
700	3073	3106	3051	-0.4	15.0	-9.1	-12.7	259	2.7	6.3
650	3661	3701	3637	-4.2	11.2	-14.1	-15.5	263	4.6	7.6
600	4288	4332	4260	-8.2	6.4	-17.7	-18.8	267	7.1	9.8
550	4956	5009	4923	-12.6	1.2	-21.7	-22.8	268	10.3	12.7
500	5679	5737	5638	-17.5	-3.3	-26.3	-26.9	271	14.5	16.5
450	6461	6527	6408	-22.8	-9.5	-33.1	-31.3	272	18.5	20.6
400	7315	7392	7249	-28.8	-12.7	-39.3	-36.6	272	23.5	25.6
350	8259	8347	8174	-35.3	-17.3	-46.7	-42.1	272	28.8	31.0
300	9320	9419	9214	-42.1	-25.5	-57.9		272	34.3	36.9
250	10536	10683	10412	-48.7	-31.7	-61.3		271	41.4	44.0
200	11984	12168	11877	-53.8	-40.3	-68.1		270	44.5	46.7
175	12838	13031	12725	-56.2	-44.1	-71.5		270	43.7	45.8
150	13804	14002	13689	-58.6	-46.1	-73.1		270	43.0	44.8
125	14934	15137	14808	-61.7	-48.1	-77.5		270	37.7	39.2
100	16306	16607	16107	-64.3	-49.5	-79.0		268	30.7	31.9
80	17676	18062	17460	-64.7	-52.7	-76.5		270	22.5	23.8
70	18497	18946	18269	-63.7	-52.5	-74.9				
60	19448	19908	19188	-61.7	-51.5	-76.1				
50	20585	21044	20242	-59.0	-48.5	-71.7				
40	22010	22449	21787	-55.5	-37.9	-67.7				
30										
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
706	3020	3540	2540	223	11330	-56.2	103	16270	-65.8

NORMALS OF RADIOSONDE DATA

MONTH : FEBRUARY TIME : 1730 IST STATION : PATIALA

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	984	987	982	20.0	27.0	11.0	10.6	314	1.7	2.8
1000	106	137	92							
950	545	572	530	17.4	26.8	9.0	6.4	311	3.4	5.9
925	768	794	754	16.1	25.2	8.0	4.7	308	3.5	6.4
900	1005	1030	991	13.8	24.4	5.0	1.3	308	3.2	6.4
850	1484	1508	1466	10.6	24.4	2.0	-3.2	305	2.8	6.3
800	1986	2014	1962	7.4	20.2	-2.9	-6.1	293	2.5	6.3
750	2513	2547	2482	3.9	19.0	-7.0	-9.0	278	2.6	6.6
700	3071	3116	3033	0.2	16.0	-9.9	-11.1	271	3.4	7.2
650	3661	3716	3615	-3.8	10.0	-14.5	-14.6	269	5.1	8.2
600	4288	4354	4232	-8.0	7.0	-18.7	-17.7	273	7.7	10.3
550	4959	5037	4895	-12.4	1.8	-24.1	-21.8	273	10.8	13.0
500	5681	5768	5606	-17.4	-2.1	-28.1	-26.2	274	13.9	16.1
450	6462	6562	6375	-22.8	-7.9	-34.1	-31.3	274	17.7	20.0
400	7318	7429	7219	-28.8	-14.7	-39.1	-36.2	274	22.2	24.7
350	8261	8385	8155	-35.4	-19.7	-46.9	-41.4	275	27.5	30.1
300	9320	9455	9215	-42.5	-25.1	-52.7		274	33.6	36.4
250	10532	10677	10405	-49.1	-31.9	-63.0		273	40.0	42.9
200	11980	12133	11827	-53.2	-39.5	-68.5		271	43.7	46.6
175	12835	12983	12670	-55.3	-42.9	-68.5		273	43.2	46.0
150	13813	13954	13634	-57.9	-48.7	-71.1		271	40.8	43.5
125	14949	15104	14778	-61.0	-52.5	-71.3		270	33.6	35.6
100	16315	16481	16140	-64.0	-53.1	-76.0		270	27.7	28.9
80	17689	17863	17471	-64.6	-52.1	-76.1				
70	18504	18688	18259	-64.1	-47.9	-76.9				
60	19452	19630	19216	-62.6	-52.3	-76.0				
50	20585	20775	20319	-59.8	-47.9	-72.0				
40	22004	22199	21645	-56.2	-40.5	-67.9				
30	23851	24041	23390	-52.7	-43.3	-65.0				
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
698	3100	3920	2570	234	11030	-54.7	099	16560	-65.8

NORMALS OF RADIOSONDE DATA

MONTH : MARCH TIME : 1730 IST STATION : PATIALA

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	981	983	978	24.9	35.0	12.8	13.0	314	1.7	3.1
1000	78	100	49							
950	523	541	503	21.9	32.0	11.4	9.0	313	3.5	6.4
925	751	763	732	20.8	31.2	10.4	7.0	306	4.6	7.1
900	990	1004	969	18.0	29.6	8.8	4.4	307	3.6	6.9
850	1476	1492	1456	14.4	26.8	1.4	0.4	299	3.5	7.0
800	1985	1998	1967	10.8	22.0	1.6	-3.5	292	3.5	6.9
750	2519	2534	2499	7.0	17.4	-2.1	-6.6	281	3.9	7.3
700	3082	3105	3057	3.0	12.8	-6.9	-9.4	274	4.9	8.0
650	3677	3706	3646	-1.2	9.8	-11.7	-12.9	274	6.3	8.9
600	4311	4345	4280	-5.7	6.6	-16.5	-16.4	272	8.5	10.8
550	4987	5030	4952	-10.3	1.2	-20.5	-20.2	272	10.9	12.9
500	5715	5764	5676	-15.3	-4.1	-26.7	-24.5	273	13.9	15.8
450	6503	6558	6456	-20.7	-10.9	-33.3	-29.2	273	17.6	19.4
400	7363	7425	7306	-27.0	-17.7	-39.7	-34.7	273	21.6	23.5
350	8312	8382	8240	-33.7	-21.1	-46.5	-40.8	274	26.5	28.7
300	9377	9463	9294	-41.0	-26.1	-53.1		274	31.5	34.2
250	10595	10704	10505	-48.4	-27.5	-60.0		273	37.7	40.9
200	12037	12147	11946	-54.1	-39.9	-69.1		271	42.1	44.9
175	12888	13016	12798	-55.9	-43.9	-69.5		271	42.1	44.5
150	13861	14046	13756	-58.4	-46.7	-70.1		272	39.1	41.1
125	14994	15260	14712	-61.6	-49.7	-73.3		270	34.9	36.4
100	16361	16653	15995	-64.5	-51.1	-78.0		270	25.8	27.5
80	17720	17928	17549	-65.7	-56.7	-80.0		270	18.4	19.3
70	18533	18748	18316	-64.9	-47.5	-81.9				
60	19478	19700	19259	-63.0	-50.5	-82.7				
50	20607	20818	20290	-59.6	-45.9	-77.7				
40	22023	22182	21749	-56.0	-37.9	-72.1				
30										
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
664	3500	3980	3130	228	11270	-55.6	101	16530	-66.7

NORMALS OF RADIOSONDE DATA

MONTH : APRIL TIME : 1730 IST STATION : PATIALA

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	976	978	973	33.5	43.4	16.0	12.5	313	2.1	3.2
1000	31	51	0							
950	489	511	465	30.8	43.2	17.4	9.2	317	4.3	6.4
925	728	749	704	28.9	41.4	11.6	7.0	311	4.5	7.1
900	970	992	948	26.2	38.6	12.2	6.1	310	4.6	6.8
850	1470	1493	1451	21.8	34.0	8.2	3.3	304	4.7	6.7
800	1991	2016	1965	17.4	29.4	5.0	0.2	300	4.9	6.7
750	2536	2565	2500	12.9	25.6	1.4	-3.0	297	5.2	7.1
700	3111	3145	3069	8.2	17.0	-2.9	-6.8	295	5.8	7.9
650	3716	3754	3669	3.6	13.0	-7.7	-10.3	293	6.5	8.7
600	4361	4401	4306	-1.1	7.8	-12.5	-14.4	288	7.7	9.9
550	5048	5093	4982	-5.9	3.0	-16.7	-18.3	286	9.1	11.2
500	5788	5842	5718	-11.1	-1.1	-22.3	-22.7	284	10.7	12.8
450	6588	6651	6512	-16.8	-8.3	-29.9	-28.3	282	12.7	15.0
400	7464	7536	7375	-23.2	-14.3	-36.5	-32.5	282	15.7	17.9
350	8428	8511	8317	-30.3	-18.9	-44.3	-38.8	279	18.7	21.0
300	9509	9604	9386	-38.1	-25.1	-53.1		278	22.9	25.5
250	10743	10855	10603	-46.3	-30.9	-59.1		275	26.3	29.2
200	12201	12357	12027	-52.9	-35.7	-66.3		274	29.7	32.2
175	13057	13265	12874	-55.3	-38.7	-71.7		272	29.5	31.6
150	14032	14265	13823	-57.9	-41.5	-72.1		272	28.4	30.3
125	15175	15432	14948	-61.8	-49.1	-74.9		273	24.6	26.3
100	16538	16826	16302	-66.0	-54.3	-83.5		273	18.3	20.2
80	17891	18171	17638	-67.3	-54.9	-81.3		275	11.4	13.8
70	18700	18987	18490	-66.0	-54.5	-79.1		278	7.5	10.7
60	19639	19929	19423	-63.7	-51.7	-76.5		282	4.4	8.7
50	20774	21046	20577	-60.0	-49.1	-70.1		287	2.0	7.2
40	22189	22502	21927	-55.2	-42.9	-64.3		291	2.6	7.8
30	24068	24427	23662	-50.3	-37.5	-60.0				
25	25267	25697	24766	-47.9	-34.5	-59.3				
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
612	4200	4710	3700	209	11920	-56.1	097	16820	-68.2

NORMALS OF RADIOSONDE DATA

MONTH : MAY TIME : 1730 IST STATION : PATIALA

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	972	976	969	37.5	46.4	21.2	15.2	315	1.7	3.1
1000	17	38	0							
950	453	495	430	35.1	48.8	20.4	12.5	314	2.9	5.7
925	692	703	674	33.3	45.2	20.0	10.6	306	3.5	6.5
900	941	975	921	30.4	43.0	16.0	9.6	303	3.3	6.2
850	1448	1476	1428	25.9	39.2	12.2	7.0	297	3.8	6.3
800	1977	2000	1959	21.4	35.4	9.0	4.3	295	4.5	6.4
750	2529	2564	2510	16.7	32.8	5.2	1.2	294	5.3	7.1
700	3113	3154	3095	12.0	29.8	1.2	-2.5	296	6.2	8.0
650	3727	3775	3698	7.0	21.2	-6.9	-6.4	296	7.0	8.9
600	4379	4433	4344	2.0	18.6	-7.9	-10.8	294	8.1	10.1
550	5074	5135	5026	-2.9	13.4	-15.1	-15.7	293	9.0	11.0
500	5823	5889	5773	-8.0	7.0	-23.3	-20.8	292	10.1	12.0
450	6633	6722	6570	-13.3	0.0	-31.1	-25.0	290	11.5	13.5
400	7521	7626	7452	-19.2	-2.5	-29.7	-30.4	287	13.4	15.7
350	8501	8632	8413	-25.8	-7.1	-37.9		285	15.9	18.3
300	9604	9770	9502	-33.2	-10.1	-47.7		281	18.6	21.7
250	10863	11077	10740	-41.2	-20.3	-55.3		278	21.9	25.2
200	12353	12608	12203	-49.6	-33.1	-63.7		274	24.2	26.9
175	13220	13506	13045	-53.6	-39.9	-67.1		272	24.3	26.8
150	14203	14507	14011	-58.1	-46.7	-70.7		270	22.4	24.8
125	15335	15628	15094	-63.2	-49.1	-76.1		268	18.8	20.8
100	16687	16997	16401	-68.2	-54.7	-81.0		264	12.5	15.1
80	18019	18343	17670	-69.0	-47.7	-84.0		263	6.5	10.1
70	18819	19147	18456	-67.3	-52.3	-82.0		254	3.5	8.2
60	19758	20108	19363	-63.7	-45.7	-85.0		232	1.2	7.5
50	20902	21243	20487	-58.6	-42.3	-76.1		124	1.0	6.6
40	22327	22707	21953	-53.3	-35.9	-70.1		102	2.2	6.0
30	24206	24586	23672	-48.3	-37.1	-68.9		095	1.2	5.9
25	25410	25827	25009	-46.0	-33.5	-68.3		003	0.8	5.9
20	26896	27395	26613	-44.4	-33.7	-68.9				
15										
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7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
579	4660	5440	4130				095	17080	-70.4

NORMALS OF RADIOSONDE DATA

MONTH : JUNE TIME : 1730 IST STATION : PATIALA

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	968	971	966	37.0	44.4	23.4	20.3	311	1.1	2.8
1000	47	66	29							
950	417	433	401	35.0	43.8	21.4	18.1	311	1.9	5.3
925	658	672	635	32.1	43.0	20.4	16.0	299	2.9	6.0
900	906	918	887	30.6	41.0	17.0	14.6	299	2.5	5.7
850	1414	1427	1398	26.6	38.4	15.4	11.8	296	3.3	5.7
800	1946	1959	1932	22.7	34.6	11.8	8.7	300	4.5	6.2
750	2502	2523	2482	18.6	28.8	8.2	5.2	306	5.5	7.1
700	3090	3118	3064	14.3	24.0	2.8	1.0	310	6.4	8.0
650	3710	3747	3678	9.8	20.2	-3.1	-3.5	313	7.2	8.9
600	4370	4413	4325	5.2	14.8	-7.3	-8.2	314	7.6	9.4
550	5072	5125	5018	0.6	10.8	-9.9	-12.6	312	7.7	9.5
500	5831	5894	5767	-3.8	6.2	-14.9	-15.8	303	7.5	9.6
450	6655	6729	6581	-8.2	2.0	-21.5	-19.1	293	8.2	10.6
400	7562	7649	7480	-13.0	-2.9	-29.0	-23.7	284	10.2	13.0
350	8569	8675	8474	-18.7	-8.1	-34.3		280	12.1	15.3
300	9704	9834	9608	-25.8	-13.3	-42.9		276	14.2	17.4
250	10999	11144	10888	-34.8	-24.5	-53.1		272	14.9	18.2
200	12524	12707	12392	-45.7	-34.3	-60.3		266	14.7	17.8
175	13402	13596	13254	-52.1	-40.7	-64.9		265	14.1	17.0
150	14386	14621	14216	-58.8	-46.1	-71.0		266	12.7	15.8
125	15504	15770	15317	-66.0	-52.1	-78.7		266	9.7	13.4
100	16842	17135	16573	-71.8	-58.7	-80.5		262	4.2	9.7
80	18159	18480	17903	-72.0	-56.1	-84.1		144	2.3	7.5
70	18953	19294	18716	-68.7	-50.1	-80.0		110	4.4	7.5
60	19891	20240	19676	-64.0	-48.1	-79.0		094	6.6	8.3
50	21021	21382	20801	-58.5	-44.1	-74.0		090	8.5	9.7
40	22451	22861	22188	-53.0	-37.5	-63.9		092	9.7	10.5
30	24313	24719	24010	-48.4	-35.3	-58.5		091	8.7	9.5
25	25509	25929	25184	-46.2	-32.3	-55.7		084	9.0	10.1
20	26970	27428	26820	-44.3	-28.9	-51.9				
15										
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FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
541	5220	5820	4480				095	17220	-73.8

NORMALS OF RADIOSONDE DATA

MONTH : JULY TIME : 1730 IST STATION : PATIALA

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	968	970	966	32.4	42.2	24.0	25.3	069	0.2	1.8
1000	42	61	28							
950	417	433	398	31.3	41.0	23.2	23.8	098	0.6	4.1
925	653	665	638	29.4	39.4	21.0	21.5	166	0.4	4.4
900	902	917	887	27.8	39.8	20.8	20.6	173	0.5	4.5
850	1407	1423	1390	24.5	34.2	17.2	17.6	244	0.7	5.1
800	1937	1953	1918	21.3	31.8	14.2	13.9	279	1.0	5.6
750	2492	2511	2468	18.0	29.0	11.2	10.4	305	1.5	6.2
700	3080	3100	3058	14.6	25.8	7.8	6.5	318	2.1	6.3
650	3703	3727	3679	10.9	22.4	4.0	2.2	322	2.5	6.4
600	4367	4397	4345	7.3	18.2	-1.9	-2.0	319	2.5	6.4
550	5078	5113	5051	3.5	14.6	-5.1	-6.4	315	2.3	6.2
500	5846	5895	5813	-0.5	10.8	-10.7	-10.1	296	2.1	6.2
450	6682	6738	6642	-4.6	8.4	-15.1	-14.3	275	2.8	6.5
400	7602	7650	7559	-9.5	-0.5	-22.0	-19.4	268	3.8	7.5
350	8623	8685	8573	-15.5	-6.7	-25.0	-25.1	264	4.3	8.1
300	9772	9854	9712	-22.9	-13.3	-35.0	-32.2	256	4.7	8.7
250	11085	11190	11001	-32.1	-20.7	-47.0	-40.4	243	4.6	9.2
200	12622	12762	12517	-44.1	-25.7	-62.0		235	3.9	9.5
175	13510	13665	13399	-51.0	-35.3	-71.0		230	3.2	9.6
150	14497	14675	14373	-58.6	-41.5	-77.0		215	2.1	9.5
125	15625	15813	15272	-66.2	-50.1	-79.0		117	1.6	9.3
100	16950	17135	16793	-72.7	-59.3	-81.5		093	5.6	9.7
80	18259	18453	18094	-72.9	-50.9	-85.5		095	9.2	11.0
70	19050	19241	18870	-69.7	-44.7	-82.3		093	10.4	11.4
60	19979	20225	19774	-64.9	-46.5	-78.9		089	12.3	12.9
50	21112	21365	20956	-59.3	-41.9	-76.3		090	13.9	14.4
40	22525	22795	22341	-54.5	-42.3	-70.7		091	14.7	15.1
30	24385	24664	24272	-49.9	-38.5	-63.7		092	14.9	15.2
25	25570	25946	25424	-47.9	-39.3	-62.3		091	15.5	15.8
20	27036	27442	26917	-46.0	-35.1	-60.3		088	17.7	18.1
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
506	5730	6340	5180				096	17280	-74.6

NORMALS OF RADIOSONDE DATA

MONTH : AUGUST TIME : 1730 IST STATION : PATIALA

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	970	972	969	31.4	38.6	21.8	25.8	328	0.2	1.6
1000	23	39	7							
950	435	454	415	29.9	37.4	18.8	24.0	345	0.5	4.0
925	673	681	659	28.0	34.4	18.8	20.9	281	0.7	4.6
900	918	937	899	26.5	35.0	19.0	20.6	289	0.7	4.2
850	1421	1444	1400	23.4	32.8	15.0	17.4	290	1.0	4.8
800	1949	1975	1926	20.4	32.2	10.6	13.8	310	1.4	5.4
750	2503	2535	2474	17.3	28.2	8.0	10.0	319	1.7	5.6
700	3090	3127	3059	14.0	24.4	0.0	5.9	329	1.9	5.6
650	3711	3756	3677	10.6	21.0	2.4	2.0	328	2.0	5.6
600	4375	4427	4339	7.0	17.8	-3.5	-2.3	322	1.8	5.5
550	5086	5148	5048	3.3	13.2	-9.7	-6.5	312	1.5	5.5
500	5854	5925	5811	-0.6	9.4	-8.7	-11.1	283	1.8	5.7
450	6689	6770	6646	-4.8	8.4	-13.3	-15.5	268	2.8	6.3
400	7607	7697	7559	-10.0	-0.5	-18.9	-20.4	263	3.8	7.0
350	8627	8724	8573	-15.9	-5.1	-24.9	-25.9	260	4.5	7.7
300	9772	9882	9713	-23.4	-10.1	-33.3	-32.7	251	5.0	8.4
250	11082	11207	11009	-32.7	-20.1	-45.1	-40.6	242	5.4	8.7
200	12614	12763	12494	-44.8	-31.3	-58.5		238	5.1	9.0
175	13493	13659	13352	-51.9	-39.1	-65.1		231	4.5	9.0
150	14479	14658	14309	-59.4	-46.9	-74.0		224	3.2	8.7
125	15606	15797	15419	-67.0	-54.9	-77.9		177	1.3	7.8
100	16936	17154	16799	-72.6	-51.9	-82.7		108	4.2	7.7
80	18241	18469	18074	-71.8	-51.3	-81.5		101	7.4	9.0
70	19037	19276	18849	-68.2	-46.3	-80.1		098	8.3	9.4
60	19977	20224	19768	-63.5	-42.9	-76.0		091	9.9	10.8
50	21113	21360	20914	-58.5	-41.1	-72.0		090	10.9	12.0
40	22533	22803	22310	-54.0	-38.3	-67.1		093	12.8	13.7
30	24390	24666	24148	-50.2	-36.5	-69.9		095	13.4	14.2
25	25589	25871	25293	-48.5	-37.7	-57.3		089	14.2	14.8
20	27074	27381	26795	-46.5	-34.5	-57.1				
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
508	5720	6370	5290				097	17120	-74.4

NORMALS OF RADIOSONDE DATA

MONTH : SEPTEMBER TIME : 1730 IST STATION : PATIALA

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	974	976	973	31.2	36.2	20.0	23.7	313	1.1	1.8
1000	14	30	0							
950	472	487	455	29.6	35.2	20.8	20.9	313	2.7	4.5
925	710	722	698	27.8	34.4	20.4	17.1	304	2.8	4.9
900	954	967	939	26.0	34.0	18.4	16.7	308	3.3	5.1
850	1455	1468	1441	22.4	29.4	15.8	12.9	310	3.7	5.6
800	1979	1991	1963	19.2	28.0	12.0	7.6	313	4.0	6.0
750	2530	2542	2510	15.6	23.6	8.2	3.1	315	4.0	6.1
700	3113	3124	3093	11.9	20.0	3.6	-0.8	317	4.0	6.3
650	3728	3745	3705	7.9	15.2	-1.7	-4.6	315	3.4	6.2
600	4384	4405	4357	3.9	12.2	-5.7	-7.8	307	3.0	6.2
550	5086	5112	5055	0.0	7.2	-11.1	-11.4	296	3.0	6.1
500	5844	5878	5807	-4.0	3.8	-12.9	-15.4	281	4.2	7.0
450	6668	6710	6628	-8.4	0.6	-19.1	-18.6	272	5.9	8.5
400	7575	7626	7526	-13.6	-3.5	-28.7	-22.9	268	8.2	10.4
350	8578	8643	8513	-19.9	-10.1	-37.1		264	10.4	12.2
300	9707	9784	9618	-27.3	-16.1	-40.3		261	12.5	14.1
250	10997	11088	10891	-36.3	-24.1	-51.3		259	13.6	15.1
200	12506	12622	12378	-47.9	-38.9	-64.7		257	13.8	15.4
175	13378	13505	13288	-54.4	-45.3	-66.3		258	13.4	14.9
150	14345	14518	14248	-61.2	-50.1	-74.1		260	12.0	13.8
125	15456	15657	15344	-68.0	-55.7	-78.1		257	9.2	11.5
100	16775	16981	16574	-72.8	-60.1	-81.5		251	5.1	8.2
80	18081	18335	17803	-71.0	-51.9	-79.7		200	2.1	6.2
70	18883	19151	18618	-67.0	-49.9	-82.3		134	1.4	5.7
60	19819	20123	19576	-62.3	-47.1	-71.1		099	2.6	5.8
50	20964	21327	20736	-57.6	-42.3	-67.7		095	4.4	6.4
40	22381	22797	22143	-53.7	-44.7	-64.7		096	5.9	6.8
30	24244	24696	23880	-49.8	-40.1	-62.1		096	6.6	7.8
25	25447	25968	25204	-48.2	-39.7	-71.1				
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
548	5120	5620	4610				101	16730	-73.9

NORMALS OF RADIOSONDE DATA

MONTH : OCTOBER TIME : 1730 IST STATION : PATIALA

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	980	983	978	29.6	39.4	16.4	16.9	316	1.0	1.5
1000	67	104	47							
950	521	553	506	27.3	35.6	18.2	11.7	322	3.1	4.4
925	755	786	744	25.9	34.0	16.6	7.7	317	3.6	5.0
900	998	1023	982	23.2	31.2	12.6	8.0	314	3.5	4.9
850	1492	1514	1475	19.2	28.8	10.2	4.3	311	4.0	5.3
800	2010	2029	1990	15.5	24.8	4.6	-0.6	312	4.3	5.7
750	2552	2569	2530	11.8	21.4	3.2	-4.8	310	4.1	6.0
700	3126	3143	3102	7.8	17.2	-1.1	-8.5	310	3.9	6.3
650	3731	3752	3703	3.8	12.6	-5.1	-11.8	310	3.9	6.2
600	4376	4403	4345	-0.4	9.6	-9.1	-15.7	300	4.7	6.7
550	5066	5101	5036	-4.8	5.4	-15.1	-20.1	293	5.8	7.6
500	5809	5853	5765	-9.6	2.0	-19.7		286	8.0	9.6
450	6614	6667	6560	-14.9	-1.5	-25.1		282	10.9	12.6
400	7496	7554	7447	-20.8	-4.5	-30.9		279	14.7	16.3
350	8471	8537	8412	-27.3	-12.1	-38.9		276	18.4	20.3
300	9566	9643	9491	-34.3	-21.3	-46.9		273	23.3	25.2
250	10821	10924	10714	-42.2	-30.5	-55.9		269	27.4	29.3
200	12303	12435	12158	-51.0	-38.3	-63.3		266	30.2	31.7
175	13161	13314	13005	-56.0	-42.5	-73.7		265	29.4	31.0
150	14129	14331	13974	-61.1	-47.3	-73.0		264	26.9	28.0
125	15245	15518	15095	-65.9	-52.3	-77.0		263	22.8	23.7
100	16582	16931	16467	-68.9	-55.1	-83.1		265	16.3	17.3
80	17915	18207	17797	-67.8	-51.5	-77.5		263	9.6	11.3
70	18722	19078	18579	-65.1	-48.3	-74.1		268	7.5	9.4
60	19667	20059	19524	-61.8	-44.9	-74.1		272	4.9	7.7
50	20806	21241	20657	-58.1	-40.7	-73.1		286	2.7	7.2
40	22229	22713	21957	-54.0	-37.3	-71.3		277	1.6	6.0
30	24078	24372	23801	-50.8	-37.3	-67.5		263	2.1	7.8
25	25250	25812	24912	-49.7	-40.5	-65.1				
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
603	4340	4920	3940				107	16250	-70.2

NORMALS OF RADIOSONDE DATA

MONTH : NOVEMBER TIME : 1730 IST STATION : PATIALA

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	984	986	982	24.6	32.4	9.6	12.1	317	1.1	1.4
1000	103	116	94							
950	549	563	536	22.3	32.2	7.0	6.5	322	3.6	4.7
925	780	792	771	20.9	28.8	13.2	2.8	317	3.7	5.2
900	1017	1030	1002	18.4	31.6	8.2	2.4	317	4.0	5.2
850	1503	1517	1485	14.8	27.2	2.2	-1.9	315	3.6	5.2
800	2013	2028	1991	11.5	25.8	0.2	-5.7	313	3.5	5.5
750	2548	2566	2521	8.2	21.2	-4.3	-8.7	312	3.2	5.7
700	3114	3135	3082	4.7	16.4	-5.9	-11.5	303	3.1	5.9
650	3714	3740	3676	0.9	12.2	-10.3	-14.8	294	3.9	6.5
600	4352	4385	4308	-3.2	9.6	-14.5	-17.3	289	5.6	7.8
550	5035	5076	4984	-7.6	5.6	-19.1	-21.5	284	8.0	9.9
500	5770	5818	5710	-12.5	1.0	-22.9	-26.1	281	11.3	12.9
450	6567	6625	6498	-18.0	-5.9	-28.1		279	15.0	16.6
400	7438	7504	7365	-24.2	-12.3	-35.5		277	19.5	21.3
350	8399	8475	8319	-31.0	-18.1	-42.9		276	23.5	25.5
300	9477	9563	9398	-38.5	-22.7	-52.1		274	28.7	30.8
250	10711	10803	10620	-46.2	-33.5	-58.9		271	33.0	35.4
200	12169	12297	12049	-53.9	-40.1	-67.7		269	36.9	38.8
175	13022	13153	12874	-57.4	-44.3	-72.1		268	36.0	37.6
150	13989	14232	13868	-60.8	-48.3	-72.1		268	34.6	35.7
125	15108	15336	14978	-64.6	-53.5	-77.0		268	31.2	32.2
100	16450	16693	16334	-67.6	-56.9	-78.0		271	23.4	24.3
80	17787	18108	17684	-67.7	-54.1	-78.0		272	15.1	16.2
70	18589	18940	18490	-66.3	-52.9	-81.0		272	11.6	13.0
60	19527	19919	19416	-64.3	-48.1	-79.0		279	7.7	9.7
50	20655	21105	20494	-60.9	-44.3	-71.9		281	5.8	8.2
40	22043	22558	21844	-56.9	-44.1	-67.3		287	3.7	7.8
30	23874	24102	23650	-52.8	-44.1	-62.5				
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
640	3850	4320	3370				104	16350	-69.0

NORMALS OF RADIOSONDE DATA

MONTH : DECEMBER TIME : 1730 IST STATION : PATIALA

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	986	992	985	19.4	26.2	9.6	10.1	312	1.3	1.6
1000	129	183	110							
950	568	624	546	17.0	24.6	7.2	4.3	315	3.7	4.9
925	793	802	787	15.7	28.0	5.2	0.8	316	4.1	5.3
900	1027	1087	1006	14.0	26.2	4.0	-1.2	317	3.7	5.4
850	1507	1570	1484	11.3	23.4	-0.3	-5.2	321	3.1	5.6
800	2011	2035	1987	8.7	20.2	-1.7	-8.1	314	2.8	5.7
750	2541	2619	2515	5.8	16.8	-3.0	-10.7	302	2.8	5.9
700	3103	3190	3073	2.4	14.0	-8.0	-12.8	291	3.4	6.5
650	3696	3794	3660	-1.4	8.2	-11.3	-15.7	283	4.8	7.3
600	4330	4435	4291	-5.6	4.2	-17.0	-19.0	280	6.9	9.0
550	5007	5119	4952	-10.1	0.2	-22.0	-22.6	277	9.4	11.4
500	5735	5856	5676	-15.1	-4.1	-28.0	-27.0	277	12.9	14.7
450	6523	6649	6446	-20.7	-9.3	-35.0	-31.3	276	16.6	18.6
400	7384	7514	7301	-26.9	-15.1	-37.3	-36.4	275	21.1	23.2
350	8334	8474	8239	-33.9	-20.5	-45.7	-41.7	273	25.4	27.8
300	9399	9561	9284	-41.4	-26.7	-56.7		273	30.4	32.7
250	10616	10800	10486	-49.2	-31.9	-63.3		271	36.4	38.9
200	12061	12261	11916	-55.8	-37.1	-69.0		270	40.5	42.8
175	12906	13099	12765	-58.3	-41.3	-70.1		270	41.2	43.3
150	13864	14059	13712	-61.0	-48.5	-75.0		270	38.0	39.6
125	14991	15164	14827	-63.7	-49.1	-78.0		271	34.4	35.8
100	16349	16532	16197	-66.5	-55.3	-81.3		270	28.5	29.6
80	17697	17869	17539	-67.2	-55.7	-77.1		272	21.8	22.9
70	18506	18693	18356	-66.4	-55.1	-77.7		275	17.9	19.0
60	19444	19643	19259	-64.6	-53.0	-80.1		275	14.7	15.9
50	20569	20805	20365	-61.8	-49.1	-73.7		277	11.8	13.8
40	21960	22234	21728	-58.5	-44.9	-74.7				
30	23798	24114	23502	-54.3	-43.1	-67.1				
25										
20										
15										
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7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
669	3470	4240	2770	206	11930	-58.1	104	16260	-68.4

NORMALS OF RADIOSONDE DATA

MONTH : JANUARY TIME : 1730 IST STATION : PATNA

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1010	1012	1008	19.5	27.0	11.2	12.0	289	0.8	1.2
1000	136	153	120	18.8	25.6	11.0	10.5	299	1.7	2.9
950	561	587	521	15.7	25.8	8.2	5.7	290	3.4	4.8
925	794	812	781	13.8	24.0	6.2	4.4	287	4.0	5.6
900	1032	1051	1015	12.9	23.6	5.4	1.2	291	4.6	5.9
850	1511	1530	1495	10.8	20.4	2.0	-4.3	295	6.0	7.3
800	2014	2034	1998	8.8	18.2	1.0	-6.5	296	8.1	9.2
750	2546	2567	2528	6.5	17.6	-1.5	-8.8	295	10.6	11.5
700	3109	3133	3088	3.7	14.4	-3.9	-11.0	293	12.6	13.4
650	3706	3734	3678	0.3	11.2	-8.3	-14.2	290	14.5	15.4
600	4344	4375	4316	-3.5	7.6	-12.5	-17.5	287	17.2	18.2
550	5032	5070	5000	-7.7	4.0	-17.3		284	20.3	21.5
500	5762	5806	5717	-12.3	-0.5	-22.3		282	24.0	25.5
450	6565	6641	6510	-17.3	-3.9	-27.9		280	28.6	30.3
400	7432	7510	7363	-23.1	-8.1	-34.3		278	34.0	35.9
350	8398	8493	8315	-29.4	-15.9	-40.7		276	39.1	41.1
300	9485	9617	9395	-36.3	-24.5	-50.1		275	43.8	46.4
250	10731	10893	10634	-44.2	-32.9	-56.7		272	45.2	47.8
200	12196	12390	12093	-53.5	-40.1	-67.5				
175	13053	13253	12942	-58.5	-45.5	-69.5				
150	14015	14219	13897	-63.2	-52.1	-73.9				
125	15122	15332	14917	-68.5	-60.1	-79.9				
100	16445	16652	16275	-72.8	-61.3	-96.5				
80	17764	17964	17522	-72.5	-60.3	-81.7				
70	18560	18754	18291	-70.1	-58.1	-78.7				
60	19502	19698	19204	-65.9	-52.1	-79.9				
50	20633	20835	20359	-61.1	-49.9	-72.3				
40										
30										
25										
20										
15										
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FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
648	3750	4300	3160				100	16500	-74.2

NORMALS OF RADIOSONDE DATA

MONTH : FEBRUARY TIME : 1730 IST STATION : PATNA

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1007	1009	1006	23.7	30.0	15.0	12.9	284	1.1	1.7
1000	116	128	99	23.1	29.8	13.8	12.1	288	1.8	2.7
950	552	577	522	19.2	26.4	11.0	6.9	291	3.9	5.3
925	787	795	773	16.8	24.0	9.6	6.4	286	4.6	5.7
900	1022	1041	1007	15.8	23.8	8.4	3.5	289	5.4	6.5
850	1505	1527	1488	12.9	22.0	4.8	-0.8	290	7.4	8.1
800	2012	2036	1990	10.0	19.8	2.0	-4.4	290	9.3	10.1
750	2544	2573	2519	7.0	16.4	-1.9	-7.6	289	11.2	12.0
700	3109	3143	3074	3.6	13.2	-6.1	-10.7	288	12.9	13.9
650	3706	3746	3676	0.0	9.4	-9.9	-13.1	288	14.9	15.8
600	4343	4388	4300	-3.9	5.0	-16.9	-17.4	286	17.3	18.4
550	5028	5079	4986	-8.0	3.0	-22.3	-19.9	286	20.4	21.6
500	5758	5811	5714	-12.7	-2.3	-27.7		284	24.1	25.5
450	6557	6629	6511	-17.9	-7.1	-34.7		283	28.6	30.1
400	7425	7496	7374	-23.6	-10.1	-41.3		282	33.0	34.9
350	8389	8491	8333	-29.7	-15.1	-44.9		280	37.7	40.0
300	9474	9596	9404	-36.6	-22.9	-51.5		278	41.0	43.6
250	10719	10869	10631	-43.8	-32.1	-57.5		275	42.2	45.7
200	12194	12372	12090	-52.3	-40.1	-64.3				
175	13053	13238	12927	-56.7	-42.5	-70.1				
150	14021	14212	13851	-61.7	-49.5	-74.7				
125	15141	15330	14938	-66.7	-56.3	-81.1				
100	16480	16667	16289	-71.2	-60.1	-80.9				
80	17808	17994	17584	-72.0	-58.9	-81.1				
70	18595	18791	18351	-70.4	-58.1	-81.9				
60	19527	19730	19249	-66.3	-54.1	-77.5				
50	20650	20867	20366	-61.7	-51.1	-73.3				
40	22076	22275	21733	-57.7	-45.5	-69.5				
30										
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
649	3730	4140	3280				097	16730	-73.4

NORMALS OF RADIOSONDE DATA

MONTH : MARCH TIME : 1730 IST STATION : PATNA

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1003	1005	999	29.5	37.0	18.0	13.5	285	1.8	2.6
1000	80	101	43	28.4	35.4	19.6	12.7	289	2.1	3.0
950	525	544	499	24.9	35.4	16.0	8.0	290	5.3	6.6
925	762	777	734	22.9	33.0	14.4	7.3	283	7.5	8.1
900	1004	1020	975	21.2	30.6	11.4	5.3	286	6.9	7.8
850	1494	1506	1468	17.4	25.4	9.0	2.3	285	8.4	9.2
800	2009	2019	1978	13.8	21.4	5.8	-0.8	286	10.6	11.3
750	2545	2560	2514	10.3	17.8	1.2	-4.5	287	12.8	13.5
700	3118	3132	3077	6.5	14.4	-2.3	-7.8	288	14.5	15.3
650	3719	3738	3672	2.7	11.2	-5.9	-11.6	289	16.1	16.9
600	4364	4385	4302	-1.4	7.8	-9.3	-15.6	289	17.3	18.2
550	5055	5088	4984	-5.9	3.2	-14.3	-19.2	288	18.9	19.7
500	5792	5821	5716	-10.8	-0.9	-18.5	-22.8	286	20.9	21.9
450	6595	6629	6516	-16.0	-7.5	-28.1	-27.5	286	23.4	24.5
400	7471	7513	7397	-22.0	-10.9	-32.3		284	26.6	28.1
350	8439	8490	8379	-28.8	-13.9	-40.5		282	28.9	31.0
300	9527	9591	9451	-36.4	-22.1	-49.3		282	32.4	34.8
250	10769	10855	10674	-44.7	-29.9	-59.3		282	33.7	36.7
200	12233	12346	12111	-52.8	-39.1	-66.9				
175	13092	13206	12958	-56.6	-44.9	-69.5				
150	14062	14191	13919	-61.1	-50.3	-72.1				
125	15185	15329	15029	-66.2	-52.5	-78.3				
100	16522	16669	16355	-70.8	-55.1	-79.7				
80	17848	17997	17675	-71.6	-60.7	-82.1				
70	18645	18795	18458	-69.7	-55.7	-80.7				
60	19576	19722	19311	-65.7	-53.1	-77.5				
50	20691	20841	20411	-60.9	-46.7	-72.3				
40	22103	22272	21854	-56.7	-43.1	-69.7				
30										
25										
20										
15										
10										
7										

0				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
617	4150	4470	3480				097	16760	-72.7

NORMALS OF RADIOSONDE DATA

MONTH : APRIL TIME : 1730 IST STATION : PATNA

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	999	1002	995	34.7	42.2	22.6	14.1	314	1.1	3.2
1000	40	69	6	32.8	38.2	23.4	13.1	333	1.0	3.3
950	496	515	446	30.7	43.6	21.0	9.9	312	4.1	7.5
925	741	753	702	28.4	42.4	19.8	8.7	302	5.0	7.2
900	981	1000	939	26.9	40.8	18.6	7.5	293	5.8	8.0
850	1482	1496	1440	22.9	37.6	14.4	4.6	284	7.6	8.6
800	2005	2016	1965	18.6	33.0	8.2	1.4	283	9.4	10.1
750	2548	2564	2517	14.2	27.6	5.4	-2.0	284	11.1	11.9
700	3131	3139	3097	9.7	21.4	1.8	-5.6	286	12.7	13.6
650	3732	3749	3706	5.2	17.8	-3.3	-9.6	287	14.2	14.9
600	4388	4405	4357	0.8	13.2	-8.3	-14.1	288	14.8	15.5
550	5084	5105	5051	-3.9	7.8	-12.7	-18.0	288	15.8	16.7
500	5826	5860	5795	-8.9	-0.3	-19.1	-22.6	288	16.3	17.3
450	6635	6684	6594	-14.3	-3.9	-26.1	-26.8	285	18.1	19.2
400	7516	7569	7466	-20.5	-8.7	-33.5		283	20.3	21.7
350	8490	8573	8425	-27.2	-16.1	-41.5		280	23.4	25.5
300	9589	9709	9492	-34.6	-22.5	-48.1		276	26.3	28.8
250	10839	10972	10713	-42.8	-30.5	-56.9		273	29.7	32.6
200	12314	12497	12142	-51.6	-39.1	-67.5				
175	13176	13375	12991	-56.4	-44.7	-71.1				
150	14143	14359	13942	-61.5	-50.1	-74.1				
125	15260	15485	15042	-67.2	-56.1	-78.1				
100	16586	16834	16354	-72.3	-60.5	-83.7				
80	17904	18178	17651	-72.8	-57.7	-82.3				
70	18695	19015	18440	-70.5	-53.1	-82.1				
60	19625	19980	19361	-65.9	-52.3	-78.7				
50	20752	21132	20486	-60.3	-46.7	-73.5				
40	22164	22590	21881	-55.2	-44.1	-66.3				
30	24042	24497	23712	-50.6	-35.7	-63.5				
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
591	4520	5050	4010				095	16930	-74.3

NORMALS OF RADIOSONDE DATA

MONTH : MAY TIME : 1730 IST STATION : PATNA

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	995	998	992	35.6	45.2	23.6	19.1	058	1.3	3.1
1000	11	43	0							
950	468	507	434	31.6	43.0	21.6	15.3	021	2.1	6.3
925	710	717	672	30.2	40.2	20.4	14.5	322	2.2	6.0
900	956	989	930	28.1	36.8	18.0	12.7	314	1.9	6.2
850	1461	1492	1435	24.5	33.4	14.4	9.6	287	4.6	7.0
800	1988	2018	1964	20.7	30.6	9.4	5.9	286	7.3	8.6
750	2537	2570	2516	16.5	27.4	5.2	2.6	288	9.1	10.3
700	3124	3156	3100	12.2	22.4	1.6	-1.4	289	10.6	11.8
650	3735	3773	3708	7.7	19.2	-2.9	-6.2	292	12.0	13.1
600	4394	4430	4377	3.3	11.4	-7.5	-10.6	293	12.3	13.4
550	5100	5140	5075	-0.8	7.8	-10.5	-15.0	293	12.3	13.5
500	5847	5879	5819	-5.3	4.8	-16.1	-19.1	292	12.4	13.7
450	6673	6731	6637	-10.1	0.0	-21.9	-23.3	288	12.8	14.3
400	7566	7621	7518	-15.6	-3.9	-28.3	-28.1	281	14.4	16.1
350	8564	8624	8509	-21.7	-9.7	-34.7		273	16.1	18.1
300	9683	9780	9618	-28.9	-16.7	-41.7		269	18.2	20.3
250	10963	11083	10857	-37.7	-24.7	-50.1		264	19.2	21.2
200	12468	12614	12354	-48.5	-38.1	-60.3		260	17.8	20.1
175	13337	13508	13209	-54.6	-44.1	-66.1		260	15.3	17.8
150	14305	14491	14160	-61.2	-51.3	-71.9		262	12.4	15.6
125	15422	15616	15264	-68.0	-58.1	-78.1				
100	16742	16991	16572	-74.0	-57.5	-82.5				
80	18043	18295	17873	-74.2	-57.7	-85.3				
70	18834	19081	18677	-71.3	-53.1	-86.7				
60	19757	20025	19581	-65.7	-50.7	-85.5				
50	20884	21160	20671	-59.8	-40.1	-83.7				
40	22312	22617	22058	-54.6	-40.1	-77.1				
30	24165	24520	23643	-50.0	-35.7	-67.9				
25	25335	25746	24750	-48.0	-36.1	-63.7				
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
558	4980	5510	4530				095	17060	-75.8

NORMALS OF RADIOSONDE DATA

MONTH : JUNE TIME : 1730 IST STATION : PATNA

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	992	994	990	34.1	46.0	23.6	23.8	076	1.8	2.8
1000	18	37	1							
950	441	464	407	30.8	44.8	20.4	20.7	070	3.3	6.1
925	682	697	666	29.1	43.4	19.0	19.2	078	2.5	6.2
900	926	941	910	27.5	41.2	17.4	18.4	081	1.8	6.4
850	1431	1444	1413	24.1	37.2	15.6	15.5	286	0.2	6.6
800	1958	1971	1941	20.6	31.8	12.8	12.1	286	1.9	7.3
750	2513	2529	2496	17.0	26.6	9.4	8.8	291	3.2	8.2
700	3098	3115	3082	13.4	23.4	6.0	5.0	298	4.0	8.8
650	3718	3743	3697	9.8	17.0	3.0	1.0	300	4.6	9.1
600	4380	4397	4363	6.1	14.8	-2.1	-3.2	302	4.4	8.7
550	5095	5142	5070	2.4	10.6	-6.1	-7.1	299	4.4	8.4
500	5853	5888	5831	-1.6	5.4	-10.9	-11.0	297	3.8	8.1
450	6691	6762	6662	-6.0	3.0	-15.3	-15.7	294	3.8	8.2
400	7600	7646	7566	-10.9	-3.1	-21.7	-20.2	277	3.7	8.3
350	8614	8677	8561	-16.8	-7.5	-26.3	-26.7	266	3.5	8.5
300	9757	9834	9711	-24.5	-15.7	-34.1	-34.2	247	2.9	8.4
250	11061	11155	10994	-34.1	-24.5	-43.1		214	2.6	8.8
200	12582	12699	12489	-46.3	-34.5	-56.5		175	2.9	9.9
175	13458	13592	13354	-53.6	-44.3	-66.1		159	3.1	10.1
150	14432	14576	14322	-61.5	-49.9	-74.3		140	4.3	11.1
125	15541	15693	15414	-69.7	-58.3	-79.5		124	6.2	11.3
100	16849	17015	16680	-76.3	-65.5	-86.9				
80	18137	18329	18029	-76.5	-55.9	-86.9				
70	18912	19132	18799	-72.4	-50.1	-84.5				
60	19836	20077	19695	-66.5	-46.1	-78.1				
50	20943	21173	20764	-60.6	-43.1	-79.3				
40	22345	22635	22141	-56.1	-38.5	-65.3				
30	24186	24490	23941	-51.5	-38.9	-59.9				
25	25346	25718	25106	-49.5	-36.5	-57.7				
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
520	5550	6140	5230				094	17190	-78.4

NORMALS OF RADIOSONDE DATA

MONTH : JULY TIME : 1730 IST STATION : PATNA

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	993	995	991	30.6	38.0	24.4	26.0	087	1.3	2.1
1000	15	29	3							
950	439	462	422	28.0	40.4	21.0	23.1	097	3.1	5.9
925	676	687	663	26.5	40.6	20.2	21.5	104	3.2	6.4
900	923	940	908	25.1	40.0	18.8	20.7	114	2.7	6.6
850	1424	1440	1408	22.1	35.6	14.6	18.1	130	2.1	7.1
800	1949	1967	1929	19.3	31.6	13.6	15.0	138	1.6	7.2
750	2504	2516	2476	16.5	26.6	10.2	11.8	137	1.3	7.3
700	3088	3104	3052	13.6	22.2	5.8	8.2	122	1.2	7.3
650	3711	3734	3664	10.5	18.6	2.8	4.4	109	1.2	7.3
600	4374	4392	4315	7.3	14.4	-0.1	0.6	096	1.3	7.1
550	5094	5138	5012	3.6	10.8	-4.7	-3.3	097	1.6	7.0
500	5854	5881	5764	-0.4	7.0	-8.3	-7.8	097	2.1	6.7
450	6695	6747	6580	-4.8	4.6	-13.1	-13.0	095	2.5	6.7
400	7608	7655	7475	-9.9	-1.3	-17.5	-18.6	096	3.4	6.7
350	8622	8686	8474	-16.1	-8.1	-25.1	-25.4	092	4.3	7.1
300	9771	9846	9601	-23.8	-15.5	-35.5	-32.6	092	5.7	8.0
250	11077	11174	10890	-33.8	-24.5	-46.9	-42.1	096	7.6	9.6
200	12600	12725	12392	-46.5	-37.5	-61.5		095	9.4	11.1
175	13477	13608	13252	-53.9	-43.5	-69.9		094	10.9	12.6
150	14449	14589	14210	-62.1	-51.3	-77.5		091	12.7	14.6
125	15558	15707	15294	-70.5	-60.3	-85.3		090	14.9	16.5
100	16861	17028	16557	-76.6	-64.9	-86.7		091	18.9	19.5
80	18163	18396	17800	-74.8	-55.5	-85.9				
70	18951	19150	18837	-70.2	-53.1	-80.9				
60	19881	20236	19736	-65.0	-46.7	-78.5				
50	21010	21240	20834	-59.6	-44.1	-71.9				
40	22409	22645	22220	-55.7	-44.1	-70.3				
30	24262	24497	24037	-51.7	-39.9	-63.3				
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
505	5780	6280	4650				098	16990	-78.1

NORMALS OF RADIOSONDE DATA

MONTH : AUGUST TIME : 1730 IST STATION : PATNA

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	994	996	993	30.4	36.6	24.0	26.0	089	1.3	2.0
1000	6	18	0							
950	452	469	426	27.6	36.4	19.4	22.3	100	3.1	5.8
925	695	705	682	25.7	30.4	17.4	20.6	107	3.3	5.9
900	938	954	928	24.6	30.0	17.2	19.9	116	3.1	6.6
850	1438	1457	1428	21.7	29.2	14.0	17.1	129	3.2	6.9
800	1962	1982	1951	18.8	24.6	11.8	13.9	134	3.2	7.1
750	2517	2540	2498	16.0	26.6	8.6	10.8	133	3.3	6.9
700	3098	3120	3083	13.1	22.0	6.6	7.2	125	3.1	6.8
650	3721	3752	3701	10.2	18.2	2.4	3.0	120	3.4	6.6
600	4381	4407	4359	6.8	15.4	0.6	-0.9	115	3.4	6.3
550	5101	5143	5072	3.1	11.2	-4.5	-4.8	111	3.2	6.2
500	5859	5892	5828	-0.9	7.4	-7.7	-9.0	109	3.0	6.2
450	6701	6750	6667	-5.4	2.4	-12.3	-14.0	103	3.5	6.0
400	7611	7650	7568	-10.5	-2.9	-17.9	-19.5	099	3.8	6.1
350	8625	8659	8564	-16.8	-9.3	-25.5	-26.2	095	4.4	6.3
300	9769	9818	9709	-24.6	-15.1	-34.5	-33.4	091	6.0	7.7
250	11072	11136	11001	-34.6	-26.3	-47.3	-42.6	088	7.2	8.9
200	12591	12674	12499	-47.2	-36.9	-59.7		088	9.1	10.8
175	13462	13551	13360	-54.7	-43.5	-68.1		089	10.1	11.8
150	14432	14531	14313	-62.8	-50.5	-77.1		088	11.6	13.4
125	15531	15640	15407	-71.1	-58.1	-84.1		090	13.7	15.2
100	16831	16950	16670	-76.9	-66.1	-87.5		092	16.3	17.2
80	18121	18260	17949	-73.7	-58.1	-85.3		098	17.7	18.1
70	18911	19075	18742	-68.9	-54.1	-82.7				
60	19846	20027	19681	-64.3	-51.1	-74.5				
50	20974	21179	20785	-59.7	-47.1	-71.9				
40	22392	22605	22208	-56.1	-41.1	-70.1				
30	24203	24491	24031	-53.0	-38.9	-64.9				
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
510	5680	5990	5370				100	16830	-78.1

NORMALS OF RADIOSONDE DATA

MONTH : SEPTEMBER TIME : 1730 IST STATION : PATNA

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	998	999	996	29.5	37.0	20.4	25.6	091	1.1	1.9
1000	35	43	21	29.1	37.0	22.4	24.5	082	0.9	1.9
950	483	503	454	26.4	33.0	14.8	21.1	100	2.4	5.6
925	724	734	712	24.3	31.0	13.4	18.9	104	2.7	6.3
900	966	979	952	23.4	29.8	12.2	18.2	116	2.1	6.3
850	1464	1478	1450	20.4	27.2	10.2	14.7	129	1.8	6.6
800	1986	2002	1972	17.6	28.4	8.6	11.4	142	1.6	6.6
750	2536	2553	2521	14.7	21.2	6.0	8.1	147	1.5	6.4
700	3116	3138	3102	11.7	18.2	4.6	4.3	137	1.3	6.2
650	3734	3756	3719	8.6	15.4	1.2	0.4	140	0.8	5.9
600	4392	4416	4373	5.3	12.4	-3.9	-3.4	139	0.6	5.7
550	5106	5150	5080	1.5	10.0	-8.5	-7.1	219	0.4	5.9
500	5861	5896	5827	-2.8	5.2	-9.9	-11.6	245	1.2	6.1
450	6694	6745	6650	-7.4	0.0	-15.3	-16.4	256	1.7	6.2
400	7598	7651	7549	-12.7	-4.1	-21.1	-22.2	260	2.7	6.7
350	8602	8672	8533	-19.0	-10.1	-28.1	-29.0	252	3.2	7.4
300	9738	9819	9667	-26.9	-19.1	-37.1	-35.5	242	3.5	8.1
250	11028	11127	10944	-36.9	-26.9	-48.5		236	3.5	9.0
200	12533	12650	12436	-49.5	-39.1	-60.1		224	2.8	8.8
175	13397	13532	13287	-56.8	-45.5	-66.5		222	2.4	9.1
150	14358	14512	14191	-64.7	-53.7	-74.7		176	1.5	8.9
125	15449	15629	15269	-72.5	-62.5	-84.1		118	3.0	8.5
100	16742	16944	16547	-77.1	-66.1	-86.5		106	6.5	9.0
80	18042	18262	17793	-73.4	-53.3	-83.9				
70	18820	19063	18574	-68.6	-51.1	-79.3				
60	19762	20020	19480	-63.7	-50.1	-76.1				
50	20895	21174	20588	-59.3	-47.3	-70.5				
40	22316	22602	21984	-55.7	-43.3	-67.3				
30										
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
532	5360	5800	4930				105	16510	-78.2

NORMALS OF RADIOSONDE DATA

MONTH : OCTOBER TIME : 1730 IST STATION : PATNA

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1003	1006	1001	28.3	33.2	22.4	22.8	348	0.1	0.8
1000	83	108	56	28.0	32.8	22.4	21.4	309	0.3	1.4
950	527	556	479	25.1	31.6	18.4	15.0	302	1.0	3.3
925	771	790	747	23.3	29.8	17.0	14.0	302	1.3	3.2
900	1009	1028	987	21.6	29.8	13.0	12.1	305	1.3	3.7
850	1502	1518	1482	18.3	24.8	11.6	8.0	299	1.7	4.1
800	2020	2036	1998	15.2	22.6	7.2	3.3	294	2.1	4.8
750	2562	2584	2541	12.2	23.4	4.8	-0.8	292	2.3	5.3
700	3138	3156	3114	9.1	18.0	-1.1	-4.3	295	2.9	5.6
650	3747	3772	3721	5.8	15.0	-3.9	-7.4	292	3.9	6.2
600	4399	4424	4370	2.4	10.0	-6.3	-10.3	287	5.5	7.4
550	5105	5150	5061	-1.5	6.0	-11.1	-13.0	281	7.4	8.9
500	5849	5885	5799	-6.0	2.0	-16.7	-16.2	276	9.7	11.0
450	6672	6736	6600	-10.9	-1.9	-22.1	-20.3	271	12.1	13.3
400	7563	7615	7481	-16.5	-7.1	-28.7	-26.0	267	15.0	16.2
350	8555	8609	8446	-23.0	-11.5	-36.1		264	17.1	18.6
300	9668	9753	9533	-30.8	-20.3	-44.7		262	19.3	20.7
250	10939	11050	10770	-40.3	-27.9	-51.9		257	19.8	21.2
200	12421	12571	12220	-52.1	-37.3	-64.5		257	20.2	21.7
175	13273	13448	13061	-58.7	-43.1	-69.3		256	19.5	21.0
150	14228	14425	14003	-65.4	-49.3	-79.3		256	17.3	18.7
125	15317	15548	15097	-72.3	-61.5	-84.1		256	12.7	14.4
100	16616	16879	16412	-75.9	-65.5	-85.9		245	6.5	9.7
80	17919	18215	17724	-72.1	-55.5	-83.9				
70	18716	19036	18522	-68.1	-51.5	-80.1				
60	19653	19996	19441	-63.7	-50.1	-75.5				
50	20790	21150	20554	-59.7	-46.1	-69.9				
40	22212	22592	21939	-55.6	-40.9	-66.1				
30	24076	24471	23748	-52.1	-42.1	-62.9				
25	25271	25679	24895	-50.5	-41.1	-61.1				
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
568	4840	5230	4010				106	16290	-77.1

NORMALS OF RADIOSONDE DATA

MONTH : NOVEMBER TIME : 1730 IST STATION : PATNA

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1007	1010	1005	24.4	30.2	19.0	17.4	289	0.1	0.4
1000	117	140	98	24.4	29.8	15.4	15.9	314	0.8	1.6
950	554	585	519	22.2	31.2	13.6	8.7	305	2.0	3.5
925	793	815	778	19.9	28.0	11.0	7.3	296	2.4	3.8
900	1032	1054	1014	18.5	27.2	8.8	5.7	300	2.5	4.0
850	1519	1539	1502	15.0	24.2	4.0	2.0	297	2.9	4.6
800	2029	2049	2011	12.3	22.0	2.4	-2.6	297	3.5	5.5
750	2566	2594	2543	9.8	19.8	1.4	-7.1	295	4.4	6.7
700	3137	3161	3111	7.1	16.8	0.0	-10.4	295	5.8	7.9
650	3741	3770	3713	4.1	13.4	-3.9	-14.1	293	7.4	9.0
600	4389	4430	4356	0.4	9.8	-10.3	-15.8	290	9.9	11.3
550	5084	5137	5046	-3.9	6.8	-15.3		286	12.2	13.5
500	5826	5893	5782	-8.8	2.0	-21.5		282	14.6	16.0
450	6638	6720	6572	-14.2	-3.7	-26.9		281	17.2	18.8
400	7517	7622	7435	-20.4	-8.5	-32.5		278	20.8	22.6
350	8491	8609	8390	-27.0	-15.1	-40.9		274	25.3	27.2
300	9586	9726	9460	-34.4	-23.1	-48.7		269	31.0	33.2
250	10839	10996	10689	-43.0	-29.3	-53.1		264	35.5	37.4
200	12310	12466	12150	-53.3	-41.1	-65.3		264	35.2	37.1
175	13168	13342	12995	-58.8	-46.1	-67.7				
150	14124	14308	13961	-64.6	-50.1	-74.3				
125	15222	15417	15024	-69.8	-52.7	-80.7				
100	16537	16773	16328	-74.1	-59.1	-82.1				
80	17834	18095	17595	-73.4	-61.3	-81.9				
70	18620	18901	18374	-70.4	-56.1	-79.5				
60	19547	19822	19285	-65.8	-52.1	-78.1				
50	20662	20946	20384	-61.1	-46.1	-77.9				
40	22070	22350	21756	-56.8	-40.1	-72.7				
30	23917	24323	23544	-53.5	-40.1	-67.7				
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
596	4450	5230	3790				103	16430	-75.1

NORMALS OF RADIOSONDE DATA

MONTH : DECEMBER TIME : 1730 IST STATION : PATNA

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1010	1012	1007	20.4	27.0	11.0	14.1	298	0.4	0.7
1000	139	175	116	20.4	28.4	12.4	12.1	304	1.4	2.3
950	571	592	525	17.9	30.0	8.2	6.8	294	2.7	3.9
925	806	822	786	15.7	27.8	7.4	5.4	288	3.2	3.9
900	1041	1087	1018	14.6	26.0	6.6	3.0	291	3.2	4.5
850	1521	1578	1497	12.0	26.6	4.4	-2.5	292	3.8	5.2
800	2027	2090	2001	10.0	26.8	2.2	-6.9	293	4.9	6.4
750	2560	2610	2534	7.9	25.0	-1.5	-9.4	297	6.9	8.3
700	3127	3199	3101	5.5	20.4	-3.7	-12.7	295	9.2	10.3
650	3727	3812	3704	2.4	14.6	-6.7	-15.6	292	11.4	12.3
600	4371	4444	4340	-1.5	9.0	-13.1		290	13.5	14.7
550	5060	5120	5019	-6.0	4.8	-17.9		286	15.9	16.9
500	5796	5873	5751	-11.0	0.4	-22.5		284	18.7	20.0
450	6599	6700	6544	-16.5	-5.5	-28.7		280	22.7	23.9
400	7473	7573	7410	-22.6	-12.1	-35.7		279	26.4	27.8
350	8438	8545	8365	-29.4	-19.1	-42.1		276	30.9	32.4
300	9524	9650	9441	-37.2	-24.5	-49.7		274	35.7	37.8
250	10763	10905	10670	-45.9	-34.1	-55.7		270	38.0	40.2
200	12222	12405	12115	-55.1	-46.1	-66.5		270	38.1	40.2
175	13073	13284	12947	-59.7	-49.3	-74.9				
150	14029	14280	13885	-64.4	-53.3	-80.9				
125	15131	15442	14990	-69.0	-56.9	-85.5				
100	16449	16843	16313	-73.1	-59.9	-81.7				
80	17762	18230	17595	-72.9	-58.7	-82.5				
70	18555	19062	18332	-70.2	-55.9	-85.5				
60	19483	20026	19316	-66.4	-52.7	-82.9				
50	20598	21181	20384	-61.9	-50.9	-77.7				
40	21998	22229	21733	-57.6	-44.1	-71.1				
30										
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
621	4110	4760	3610				101	16450	-74.4

NORMALS OF RADIOSONDE DATA

MONTH : JANUARY TIME : 1730 IST STATION : PORT BLAIR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1002	1004	1000	26.3	29.2	22.0	20.9	049	2.1	2.3
1000	95	117	76	26.2	28.8	22.0	20.7	051	2.3	2.5
950	541	566	495	22.5	29.0	17.0	17.8	053	5.4	5.9
925	776	797	759	21.3	27.8	16.0	16.5	060	5.4	5.8
900	1014	1036	996	19.3	26.8	12.0	13.8	067	4.8	5.6
850	1504	1523	1482	16.7	23.8	10.2	8.7	084	4.0	5.2
800	2019	2038	1995	14.4	21.2	6.8	3.7	091	3.3	4.9
750	2561	2584	2534	12.2	19.0	4.8	-1.6	087	2.5	4.6
700	3137	3159	3109	9.6	16.6	3.0	-5.2	085	1.9	4.4
650	3750	3789	3724	6.5	13.8	-4.7	-8.0	084	1.6	4.6
600	4400	4431	4373	3.0	10.4	-6.0	-11.7	084	1.6	4.9
550	5100	5147	5064	-1.0	8.6	-9.0	-14.5	082	1.6	5.5
500	5854	5910	5820	-5.5	4.2	-12.0	-18.5	075	1.3	6.0
450	6673	6739	6637	-10.4	-2.5	-19.0	-22.6	087	0.8	6.9
400	7572	7653	7533	-16.1	-8.7	-22.9		211	0.4	7.5
350	8564	8658	8523	-23.1	-14.5	-30.3		249	1.8	7.9
300	9677	9789	9634	-31.7	-22.9	-40.1		240	3.4	8.6
250	10940	11076	10890	-41.9	-31.9	-49.3		229	5.4	9.8
200	12410	12580	12335	-54.5	-43.1	-64.1		218	7.3	11.8
175	13251	13443	13169	-61.5	-50.5	-70.7		213	7.7	12.6
150	14191	14408	14092	-68.8	-53.1	-80.3		205	7.6	13.1
125	15266	15514	15126	-75.8	-61.5	-87.3		192	5.4	12.3
100	16540	16845	16365	-80.7	-66.3	-92.1		148	2.8	9.7
80	17799	18120	17566	-78.6	-62.7	-92.0		121	2.1	7.0
70	18569	18915	18325	-74.3	-59.1	-89.0		167	0.7	6.3
60	19488	19816	19216	-69.7	-55.3	-80.0		220	1.0	6.4
50	20595	20946	20279	-65.0	-52.3	-79.0		147	1.3	8.4
40	21976	22390	21559	-60.9	-44.1	-78.5		098	3.9	10.2
30										
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
562	4930	5650	4650				100	16580	-82.4

NORMALS OF RADIOSONDE DATA

MONTH : FEBRUARY TIME : 1730 IST STATION : PORT BLAIR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1001	1003	998	27.1	29.6	23.0	21.3	048	1.3	1.4
1000	90	112	61	26.9	29.4	22.6	21.2	050	1.4	1.5
950	537	562	497	23.2	30.2	15.0	17.5	052	4.1	4.7
925	773	795	759	22.1	28.2	15.4	16.3	059	3.7	4.6
900	1011	1036	979	20.1	29.0	13.4	12.5	061	3.4	4.5
850	1502	1530	1471	17.3	24.4	9.0	7.4	079	3.1	4.6
800	2018	2046	1987	14.7	24.4	7.4	3.1	089	2.9	4.6
750	2560	2590	2528	12.1	20.0	5.0	-1.3	094	2.0	4.5
700	3136	3165	3105	9.4	19.0	3.0	-4.7	093	1.2	4.6
650	3749	3786	3713	6.2	15.2	-1.0	-7.4	074	0.9	4.5
600	4398	4426	4373	2.7	12.8	-5.0	-10.2	075	0.7	4.9
550	5097	5145	5073	-1.3	8.8	-8.1	-14.0	052	0.6	5.6
500	5850	5888	5824	-5.7	0.8	-12.1	-17.6	080	0.5	6.1
450	6669	6716	6636	-10.5	-4.1	-18.3	-22.1	058	0.1	6.8
400	7567	7620	7528	-16.3	-7.9	-25.1	-28.3	272	0.7	7.8
350	8558	8618	8513	-23.3	-15.5	-32.9		255	1.9	8.6
300	9670	9750	9616	-31.8	-23.0	-41.5		230	3.2	9.1
250	10933	11030	10864	-42.1	-32.3	-51.3		221	5.3	10.0
200	12405	12529	12323	-54.6	-43.5	-63.9		208	6.7	11.8
175	13245	13384	13151	-61.6	-49.3	-73.3		199	7.3	12.6
150	14183	14336	14079	-68.7	-55.7	-79.0		189	7.4	13.3
125	15257	15431	15133	-75.6	-63.9	-87.0		173	4.9	11.5
100	16531	16732	16372	-80.5	-67.5	-90.5		140	2.4	9.4
80	17798	18040	17621	-78.1	-60.7	-90.9		172	1.5	8.1
70	18574	18822	18374	-74.3	-60.1	-84.3		242	2.1	7.6
60	19489	19745	19264	-69.5	-54.5	-82.1		257	1.9	8.0
50	20591	20868	20341	-65.0	-51.1	-77.9		226	1.3	9.3
40	21975	22256	21611	-60.8	-48.1	-73.5		189	0.6	10.6
30										
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
565	4870	5300	4500				099	16600	-82.1

NORMALS OF RADIOSONDE DATA

MONTH : MARCH TIME : 1730 IST STATION : PORT BLAIR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1000	1002	997	28.2	31.2	22.0	22.2	061	0.6	0.8
1000	82	96	56	27.9	30.8	22.2	22.1	064	0.7	0.9
950	531	546	506	24.4	33.0	19.0	18.8	060	2.5	3.6
925	764	779	743	23.2	28.2	18.0	16.4	070	2.0	3.8
900	1007	1018	984	21.4	29.6	16.2	14.2	056	2.4	3.7
850	1501	1514	1478	18.7	29.0	13.4	8.7	071	2.9	4.4
800	2019	2035	1996	15.8	24.2	10.0	3.7	081	3.3	4.9
750	2562	2581	2540	12.7	20.8	6.0	-0.6	083	3.2	5.1
700	3140	3162	3119	9.6	19.0	5.0	-4.5	080	2.7	4.9
650	3752	3780	3730	6.3	15.2	1.8	-7.8	074	2.0	4.7
600	4403	4433	4381	2.8	9.8	-3.0	-10.7	071	1.7	4.9
550	5103	5142	5078	-1.1	5.6	-6.3	-13.8	081	1.4	5.1
500	5857	5898	5830	-5.4	1.6	-12.0	-18.0	083	1.0	5.6
450	6676	6725	6647	-10.2	-3.5	-16.9	-22.0	090	0.1	6.3
400	7576	7635	7549	-15.9	-8.9	-23.9	-27.6	245	1.4	7.0
350	8569	8639	8535	-22.9	-15.5	-31.9	-33.5	245	3.0	8.2
300	9684	9772	9645	-31.1	-22.1	-39.7		241	5.1	9.5
250	10951	11051	10900	-41.3	-30.3	-49.5		233	6.8	10.7
200	12427	12552	12355	-53.6	-42.5	-62.0		225	7.8	12.0
175	13269	13409	13185	-60.8	-49.5	-70.0		221	7.8	12.8
150	14212	14367	14106	-67.9	-55.3	-80.0		212	6.3	12.5
125	15287	15465	15140	-75.0	-59.9	-89.0		199	3.8	11.0
100	16561	16755	16381	-80.5	-69.9	-92.0		136	2.2	8.7
80	17822	18059	17586	-78.2	-61.9	-90.9		109	1.6	7.4
70	18590	18841	18309	-74.3	-58.1	-88.5		150	0.6	7.1
60	19501	19767	19169	-69.5	-54.3	-85.7		236	1.3	8.7
50	20612	20885	20204	-64.9	-48.9	-77.7		260	0.4	9.9
40	22004	22268	21703	-60.4	-45.5	-71.1		086	1.8	10.8
30	23815	24066	23342	-55.8	-45.1	-68.7		106	3.9	10.3
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
563	4920	5330	4600				099	16620	-82.1

NORMALS OF RADIOSONDE DATA

MONTH : APRIL TIME : 1730 IST STATION : PORT BLAIR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	999	1000	997	29.1	32.0	23.0	23.4	213	0.1	0.9
1000	69	81	55	29.1	31.4	23.0	23.4	052	0.1	0.9
950	519	536	497	25.4	32.6	20.6	20.9	081	0.6	3.3
925	758	770	743	24.0	31.0	19.2	19.9	012	0.7	3.3
900	997	1012	984	22.2	29.0	17.6	17.5	042	0.8	3.2
850	1493	1508	1479	19.4	25.6	13.0	12.4	070	1.6	3.5
800	2013	2029	1997	16.6	23.0	11.0	7.4	082	2.3	4.2
750	2558	2579	2539	13.4	20.6	7.2	3.0	085	2.6	4.6
700	3137	3160	3121	10.1	16.6	4.4	-1.4	084	2.4	4.7
650	3750	3777	3730	6.7	12.4	0.6	-5.2	085	1.9	4.5
600	4403	4434	4384	3.2	10.4	-3.3	-8.9	086	1.6	4.7
550	5104	5138	5083	-0.6	6.4	-6.9	-12.4	089	1.3	5.0
500	5859	5899	5837	-4.9	2.8	-18.5	-16.3	092	1.3	5.5
450	6680	6726	6646	-9.8	-3.5	-15.5	-20.8	101	1.1	5.8
400	7582	7641	7546	-15.3	-9.1	-22.1	-25.7	125	0.8	6.4
350	8578	8649	8529	-22.1	-15.1	-30.1	-31.4	225	1.0	6.9
300	9696	9788	9638	-30.3	-23.3	-39.9	-38.4	237	2.8	7.7
250	10966	11084	10887	-40.6	-32.1	-50.7		227	4.5	8.6
200	12448	12600	12335	-53.0	-44.3	-63.1		216	5.7	9.9
175	13296	13472	13158	-60.1	-51.7	-72.1		210	5.2	10.1
150	14241	14438	14069	-67.6	-57.7	-78.7		198	4.1	9.9
125	15319	15534	15083	-74.9	-62.9	-85.7		169	2.3	8.9
100	16593	16830	16291	-80.6	-71.3	-91.0		108	3.0	8.4
80	17865	18137	17498	-78.6	-66.0	-90.5		098	3.5	7.8
70	18638	18913	18342	-74.7	-62.0	-85.7		102	2.2	7.7
60	19545	19829	19213	-69.6	-57.7	-80.7		122	0.9	7.5
50	20649	20949	20287	-64.6	-52.1	-76.3		123	1.5	8.2
40	22038	22346	21849	-60.2	-48.3	-70.0		108	3.9	9.5
30	23843	24186	23672	-54.7	-42.1	-67.1		093	8.7	12.2
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
558	4990	5460	4720				098	16720	-82.1

NORMALS OF RADIOSONDE DATA

MONTH : MAY TIME : 1730 IST STATION : PORT BLAIR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	997	999	996	28.1	31.6	22.0	24.3	232	1.9	2.5
1000	56	73	39							
950	507	524	490	25.0	29.4	19.2	21.6	240	4.4	6.2
925	747	752	729	23.7	28.6	19.6	20.7	246	5.0	7.1
900	984	1002	966	22.0	27.4	16.4	18.5	247	4.7	6.8
850	1479	1497	1460	19.2	25.4	13.8	15.0	247	4.0	6.4
800	1999	2016	1978	16.3	26.4	10.0	11.3	247	3.3	6.1
750	2544	2563	2523	13.4	22.2	6.8	7.2	248	2.7	6.1
700	3125	3143	3104	10.3	19.8	1.0	3.0	250	2.4	6.2
650	3739	3762	3715	6.8	16.0	0.2	-1.1	254	2.2	6.2
600	4393	4418	4368	3.2	11.2	-2.7	-5.2	248	2.2	6.1
550	5094	5128	5064	-0.6	7.8	-6.1	-9.0	237	2.1	6.1
500	5852	5892	5823	-4.6	4.6	-10.1	-13.0	225	1.6	6.0
450	6673	6719	6638	-9.1	0.2	-16.1	-17.5	203	1.4	6.1
400	7579	7643	7541	-14.5	-5.9	-21.3	-22.9	169	1.3	6.0
350	8579	8655	8526	-21.2	-13.1	-29.9	-29.3	141	1.9	6.0
300	9701	9797	9632	-29.3	-20.1	-39.3	-37.2	126	2.7	6.6
250	10977	11112	10885	-39.5	-28.1	-49.9	-45.9	115	4.1	7.9
200	12464	12634	12341	-52.3	-39.3	-63.1		100	5.8	10.1
175	13314	13491	13174	-59.8	-48.1	-71.7		096	7.4	11.3
150	14257	14453	14080	-67.7	-54.3	-80.1		095	9.3	12.6
125	15329	15527	15126	-75.5	-64.9	-87.1		095	11.4	13.8
100	16605	16825	16382	-80.9	-70.1	-93.0		092	12.4	13.9
80	17872	18189	17591	-78.7	-59.1	-88.0		088	9.6	11.6
70	18639	19006	18328	-74.6	-55.7	-87.9		091	7.7	10.4
60	19549	19946	19285	-69.0	-47.3	-81.1		090	5.7	9.1
50	20663	21078	20390	-64.3	-46.7	-77.0		090	6.8	9.7
40	22048	22526	21685	-59.3	-46.5	-73.0		089	9.8	12.1
30										
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
556	5010	5530	4600				100	16740	-82.5

NORMALS OF RADIOSONDE DATA

MONTH : JUNE TIME : 1730 IST STATION : PORT BLAIR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	997	998	995	27.4	30.6	22.4	24.3	228	4.5	4.8
1000	50	62	36							
950	500	516	484	24.5	30.2	19.0	21.8	235	9.1	9.6
925	739	751	732	23.1	28.4	17.8	20.2	239	8.7	9.6
900	977	993	957	21.6	28.0	15.8	18.5	242	10.3	11.0
850	1472	1489	1450	18.8	25.2	12.2	15.0	246	9.7	10.6
800	1992	2010	1968	16.1	23.0	10.2	11.3	250	8.9	9.9
750	2536	2556	2510	13.3	20.8	7.4	7.5	252	8.1	9.3
700	3116	3135	3089	10.1	19.0	2.4	3.4	252	7.5	8.8
650	3730	3752	3704	6.7	17.0	1.0	-0.7	250	6.7	8.4
600	4384	4412	4353	3.1	12.8	-2.3	-4.4	248	5.9	7.9
550	5086	5120	5046	-0.7	8.0	-6.0	-8.4	245	5.1	7.4
500	5842	5877	5809	-4.8	1.8	-10.9	-12.4	244	4.1	7.2
450	6664	6701	6627	-9.4	-2.9	-17.1	-16.8	233	2.5	6.7
400	7568	7614	7530	-14.7	-7.1	-20.9	-22.0	186	1.1	6.1
350	8568	8622	8524	-21.4	-14.7	-27.5	-28.5	102	3.0	6.8
300	9688	9758	9640	-29.5	-21.0	-36.3	-36.4	081	6.7	9.1
250	10965	11058	10900	-39.7	-31.3	-47.9	-45.7	073	11.1	12.8
200	12450	12565	12364	-52.5	-42.1	-60.0		071	16.2	17.6
175	13299	13410	13194	-59.9	-48.9	-69.3		071	18.8	20.1
150	14246	14358	14132	-67.7	-58.9	-79.9		074	22.7	23.9
125	15320	15440	15183	-75.7	-64.7	-87.1		079	26.2	27.4
100	16594	16720	16431	-79.7	-69.1	-92.0		084	26.0	26.9
80	17870	18042	17680	-76.0	-59.7	-86.1		085	18.7	19.7
70	18649	18843	18429	-72.4	-57.9	-84.5		088	14.3	15.4
60	19571	19789	19352	-68.3	-56.5	-79.0		089	12.8	14.2
50	20682	20933	20412	-64.1	-51.3	-74.0		091	12.3	13.8
40	22078	22349	21683	-59.0	-47.5	-69.1		089	14.4	15.4
30										
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
559	4960	5480	4610				105	16340	-81.3

NORMALS OF RADIOSONDE DATA

MONTH : JULY TIME : 1730 IST STATION : PORT BLAIR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	997	998	995	27.1	29.6	22.0	24.1	228	3.9	4.1
1000	53	65	38							
950	502	516	481	24.2	30.0	18.4	21.5	236	8.9	9.4
925	737	745	733	22.9	28.6	17.4	19.7	239	9.9	10.6
900	978	994	964	21.4	27.8	14.4	18.3	243	10.0	10.7
850	1473	1488	1458	18.6	24.8	13.0	14.7	247	9.4	10.2
800	1992	2008	1977	15.9	22.0	10.2	11.2	250	8.5	9.5
750	2536	2556	2516	13.0	19.0	7.0	7.6	252	7.5	8.7
700	3116	3139	3101	9.9	16.4	4.0	3.7	254	6.9	8.2
650	3729	3756	3709	6.5	12.6	0.4	-0.3	254	6.0	7.6
600	4382	4416	4361	2.9	9.2	-3.3	-3.8	252	5.1	7.1
550	5084	5124	5056	-0.9	5.8	-7.1	-7.8	249	4.2	6.8
500	5840	5890	5812	-4.9	1.0	-11.9	-12.3	241	3.0	6.6
450	6661	6717	6625	-9.6	-1.1	-15.3	-16.9	218	1.7	6.3
400	7564	7630	7525	-15.0	-5.7	-20.7	-22.0	131	1.5	6.2
350	8561	8638	8518	-21.7	-13.1	-28.3	-28.5	089	4.1	7.1
300	9683	9773	9629	-29.7	-22.5	-38.3	-36.2	075	8.1	9.8
250	10956	11064	10884	-40.0	-31.5	-52.3	-45.8	071	12.8	14.1
200	12441	12568	12341	-52.8	-43.1	-67.7		070	18.2	19.2
175	13289	13441	13166	-60.1	-50.1	-75.3		071	20.7	21.8
150	14233	14405	14076	-68.0	-57.1	-78.1		074	24.7	25.8
125	15304	15468	15091	-75.7	-61.9	-85.3		078	29.1	30.0
100	16581	16744	16342	-78.5	-64.7	-89.5		082	26.8	27.6
80	17874	18098	17602	-72.7	-61.9	-90.3		087	19.9	20.5
70	18678	18912	18422	-69.5	-58.9	-80.0		090	17.6	18.2
60	19605	19866	19337	-66.2	-52.7	-79.0		091	16.3	17.0
50	20722	21013	20448	-62.6	-46.7	-78.1		091	16.4	17.1
40	22126	22416	21851	-58.7	-47.7	-67.9		092	16.5	17.3
30	23971	24275	23670	-54.7	-44.7	-61.1		089	19.2	20.0
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
561	4920	5450	4560				107	16180	-80.5

NORMALS OF RADIOSONDE DATA

MONTH : AUGUST TIME : 1730 IST STATION : PORT BLAIR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	998	999	996	26.9	29.4	22.0	23.9	229	4.3	4.6
1000	56	66	40							
950	504	517	477	24.0	29.0	15.0	21.5	239	9.4	9.9
925	745	752	734	22.7	27.0	17.6	19.7	244	9.8	10.8
900	981	992	962	21.2	28.0	13.2	18.2	246	10.6	11.2
850	1475	1488	1456	18.4	25.0	10.8	14.8	251	9.9	10.7
800	1994	2008	1974	15.6	22.8	9.4	11.3	254	9.0	9.9
750	2538	2555	2519	12.7	20.6	6.4	7.6	257	8.1	9.1
700	3117	3136	3094	9.6	17.6	3.6	3.4	258	7.3	8.6
650	3729	3750	3704	6.2	14.0	0.6	-0.9	257	6.5	8.1
600	4382	4409	4358	2.7	9.0	-2.5	-4.7	257	5.4	7.4
550	5083	5113	5054	-1.0	4.2	-7.1	-8.5	254	4.3	6.9
500	5839	5875	5810	-5.1	-0.3	-11.0	-12.6	251	3.1	6.7
450	6660	6700	6624	-9.7	-3.9	-17.0	-17.0	246	1.5	6.3
400	7563	7610	7522	-15.1	-8.0	-22.9	-22.0	119	1.0	6.2
350	8560	8616	8510	-21.7	-12.7	-30.5	-28.3	092	4.2	7.2
300	9681	9748	9618	-29.8	-22.0	-38.1	-36.4	078	8.5	10.5
250	10955	11035	10875	-40.1	-28.9	-49.3	-45.7	072	13.4	14.7
200	12438	12542	12337	-52.9	-43.7	-63.0		070	18.5	19.7
175	13287	13402	13172	-60.3	-49.9	-73.0		072	21.7	22.7
150	14232	14362	14100	-68.1	-57.5	-80.0		077	24.9	26.0
125	15307	15434	15136	-75.6	-65.9	-87.0		080	28.3	29.3
100	16592	16736	16392	-77.8	-66.3	-95.0		083	26.1	26.8
80	17884	18054	17640	-72.5	-57.7	-89.0		086	18.8	19.6
70	18672	18854	18371	-69.5	-58.1	-84.9		090	17.0	17.8
60	19607	19770	19310	-66.5	-54.1	-77.0		092	16.8	17.5
50	20722	20959	20428	-63.4	-52.9	-73.0		091	17.3	18.1
40	22112	22396	21764	-60.1	-53.3	-68.5		087	17.8	18.4
30										
25										
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15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
563	4890	5260	4560				108	16170	-80.2

NORMALS OF RADIOSONDE DATA

MONTH : SEPTEMBER TIME : 1730 IST STATION : PORT BLAIR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	998	1001	997	26.5	30.0	22.8	23.7	238	2.5	2.8
1000	64	84	49	26.2	29.4	22.8	23.6	235	1.6	1.9
950	513	534	498	23.7	28.2	19.0	21.0	246	6.3	7.3
925	750	767	732	22.3	25.8	17.6	19.6	252	6.8	8.1
900	988	1009	972	20.9	27.0	16.6	17.8	250	6.6	7.9
850	1481	1503	1467	18.2	23.0	13.0	14.4	253	5.9	7.4
800	2000	2022	1987	15.5	22.6	10.6	11.1	253	5.2	6.8
750	2543	2566	2531	12.6	19.4	7.2	7.5	253	4.4	6.4
700	3123	3145	3107	9.5	16.6	4.0	3.6	255	3.7	6.2
650	3734	3757	3717	6.2	14.6	-2.1	-0.2	254	3.0	6.0
600	4387	4415	4369	2.6	9.6	-2.5	-3.8	251	2.0	5.7
550	5086	5118	5063	-1.1	5.8	-6.0	-7.5	240	1.1	5.6
500	5843	5879	5816	-5.2	2.2	-10.5	-11.8	162	0.5	5.5
450	6663	6702	6632	-9.8	-3.1	-16.0	-16.6	107	1.5	5.6
400	7566	7615	7526	-15.2	-5.9	-21.1	-22.4	094	3.0	5.9
350	8563	8618	8513	-22.0	-11.5	-28.9	-29.4	090	5.1	6.9
300	9683	9751	9623	-30.3	-21.0	-38.1	-37.7	086	7.6	8.9
250	10954	11041	10875	-40.6	-28.9	-49.5	-46.8	082	10.8	11.9
200	12435	12539	12332	-53.5	-43.5	-64.1		081	14.6	15.8
175	13280	13401	13160	-61.0	-50.7	-71.5		082	17.2	18.4
150	14219	14377	14076	-68.9	-58.1	-80.3		084	19.6	20.8
125	15286	15458	15113	-76.4	-65.3	-87.1		086	22.1	23.0
100	16561	16779	16360	-78.8	-65.5	-95.0		088	20.3	21.0
80	17852	18135	17621	-73.6	-61.7	-86.0		088	14.6	15.2
70	18643	18934	18370	-70.2	-59.5	-81.1		091	12.9	13.4
60	19572	19882	19257	-67.5	-53.5	-77.5		091	13.0	13.8
50	20680	21020	20340	-64.3	-51.5	-77.0		090	13.5	14.2
40	22068	22385	21692	-60.4	-51.3	-69.0		092	15.1	16.0
30										
25										
20										
15										
10										
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FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
564	4880	5240	4540				109	16090	-80.9

NORMALS OF RADIOSONDE DATA

MONTH : OCTOBER TIME : 1730 IST STATION : PORT BLAIR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	999	1002	997	26.6	29.4	23.0	23.6	221	0.7	1.6
1000	73	95	58	26.8	29.0	22.8	23.4	160	0.2	1.3
950	521	548	505	23.7	29.8	20.0	20.6	219	1.6	5.1
925	756	782	744	22.2	28.2	18.2	18.9	217	1.5	5.2
900	996	1023	978	20.7	27.2	13.2	17.4	218	1.6	5.6
850	1490	1519	1470	18.0	25.8	13.6	14.0	209	1.4	5.6
800	2007	2039	1986	15.2	23.6	10.0	10.7	193	1.2	5.5
750	2551	2585	2528	12.4	21.0	6.8	6.9	174	1.1	5.4
700	3129	3163	3104	9.4	18.6	4.4	3.0	156	0.9	5.3
650	3741	3777	3713	6.1	13.0	0.0	-0.9	126	1.0	5.4
600	4393	4429	4365	2.5	10.6	-4.0	-4.5	102	1.5	5.6
550	5093	5126	5057	-1.3	6.6	-8.0	-8.4	095	2.3	5.7
500	5848	5884	5818	-5.5	1.8	-12.5	-12.8	093	2.8	5.8
450	6667	6705	6634	-10.1	-2.9	-17.9	-17.6	092	3.4	5.8
400	7568	7614	7535	-15.6	-8.7	-24.7	-23.8	093	4.1	6.1
350	8563	8620	8520	-22.4	-12.9	-33.1	-30.5	095	4.8	6.6
300	9681	9748	9625	-30.7	-19.7	-40.1	-38.4	095	5.7	7.2
250	10950	11029	10880	-41.1	-26.5	-52.3	-47.3	096	7.3	9.0
200	12425	12528	12330	-54.0	-41.7	-65.1		096	9.6	11.4
175	13268	13388	13160	-61.5	-48.1	-75.3		096	10.7	12.6
150	14208	14353	14080	-69.2	-55.9	-83.5		095	12.8	14.6
125	15273	15415	15122	-76.7	-64.9	-87.0		098	14.1	15.7
100	16537	16696	16363	-80.6	-68.7	-91.0		095	13.2	14.8
80	17807	17986	17613	-75.7	-61.9	-89.0		094	9.2	10.7
70	18586	18809	18316	-72.0	-58.9	-85.0		092	8.1	9.7
60	19502	19700	19228	-68.6	-54.3	-83.0		091	8.2	10.1
50	20612	20827	20322	-64.2	-51.5	-77.0		095	8.8	11.2
40	22009	22394	21699	-59.5	-44.3	-71.0				
30										
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15										
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FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
566	4850	5240	4490				105	16290	-82.1

NORMALS OF RADIOSONDE DATA

MONTH : NOVEMBER TIME : 1730 IST STATION : PORT BLAIR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1000	1002	999	26.6	28.8	23.0	22.9	088	1.4	2.2
1000	82	100	59	26.4	28.6	23.0	22.7	081	1.8	2.3
950	530	551	506	23.3	28.4	17.4	19.9	087	3.8	6.1
925	767	781	743	22.1	27.0	17.6	18.0	086	4.3	6.5
900	1004	1021	984	20.2	26.2	12.2	16.5	096	4.2	6.5
850	1497	1513	1476	17.4	23.4	11.0	12.7	103	4.1	6.4
800	2013	2032	1992	14.7	21.0	9.8	8.9	106	3.9	6.2
750	2555	2577	2533	12.1	19.8	6.8	5.0	106	3.6	5.9
700	3133	3155	3112	9.1	15.4	3.4	1.0	104	3.3	5.8
650	3743	3768	3720	5.8	11.8	0.8	-2.7	102	3.3	5.7
600	4395	4420	4372	2.3	8.6	-2.9	-6.1	099	3.5	5.9
550	5094	5122	5068	-1.4	5.0	-7.0	-9.8	098	3.9	6.1
500	5848	5875	5823	-5.7	1.4	-13.0	-13.9	095	4.2	6.6
450	6666	6704	6632	-10.4	-2.7	-17.0	-18.8	096	4.4	6.9
400	7566	7606	7529	-16.1	-7.7	-23.0	-24.1	098	4.5	7.1
350	8559	8610	8510	-22.8	-14.5	-31.7	-30.9	101	4.5	7.0
300	9675	9736	9621	-31.2	-22.1	-37.9	-38.6	108	4.1	7.3
250	10941	11013	10880	-41.5	-31.9	-49.7		126	4.0	7.8
200	12416	12520	12336	-54.3	-43.7	-63.3		134	5.0	9.1
175	13257	13382	13161	-61.6	-49.1	-70.1		130	5.8	9.8
150	14196	14345	14064	-69.4	-56.7	-79.9		125	6.7	10.5
125	15271	15448	15079	-77.0	-66.0	-87.7		116	6.8	10.4
100	16533	16702	16292	-82.0	-69.7	-92.3		104	7.2	9.8
80	17792	18085	17510	-77.8	-61.3	-89.0		103	5.5	8.2
70	18569	18885	18176	-73.5	-58.1	-86.9		099	4.7	7.5
60	19481	19819	19048	-69.5	-53.5	-83.1		097	4.0	7.5
50	20592	22457	20199	-65.2	-49.1	-77.9		093	4.1	8.4
40										
30										
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
568	4830	5190	4550				102	16430	-83.5

NORMALS OF RADIOSONDE DATA

MONTH : DECEMBER TIME : 1730 IST STATION : PORT BLAIR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1002	1003	1000	26.4	28.6	21.6	21.6	059	2.6	3.0
1000	94	122	78	26.3	28.4	22.0	21.4	060	2.8	3.1
950	541	575	526	22.8	31.0	17.2	18.8	066	6.0	6.8
925	776	787	766	21.4	27.2	15.2	17.6	064	5.8	6.6
900	1014	1045	999	19.6	28.0	12.8	15.5	075	5.8	6.8
850	1505	1539	1489	16.8	24.6	8.0	11.3	085	5.2	6.3
800	2021	2057	2004	14.5	22.4	5.8	6.5	090	4.3	5.8
750	2563	2601	2541	12.2	20.0	4.8	2.0	092	3.6	5.4
700	3140	3177	3121	9.4	18.8	2.4	-1.9	093	3.2	5.2
650	3751	3785	3728	6.2	14.2	0.2	-5.4	090	3.3	5.3
600	4403	4430	4380	2.7	12.0	-4.0	-8.9	088	3.4	5.6
550	5102	5136	5074	-1.2	8.0	-9.0	-12.6	087	3.5	6.0
500	5857	5894	5830	-5.7	3.4	-12.7	-16.6	088	3.5	6.4
450	6674	6721	6639	-10.5	-1.1	-16.1	-21.2	092	3.3	6.7
400	7574	7626	7527	-16.3	-6.3	-23.1	-26.4	097	2.9	6.7
350	8566	8624	8504	-23.2	-11.3	-31.0	-32.2	121	2.0	6.9
300	9679	9743	9604	-31.5	-19.3	-39.5	-38.8	170	2.3	7.2
250	10943	11018	10846	-42.0	-28.3	-51.1		190	4.2	8.5
200	12416	12506	12287	-54.7	-40.3	-73.0		191	6.4	10.8
175	13258	13345	13115	-61.8	-47.1	-72.0		187	6.7	11.1
150	14196	14304	14026	-69.2	-53.1	-78.9		181	6.4	11.6
125	15263	15624	15054	-76.8	-61.1	-87.0		168	5.0	10.2
100	16534	16941	16282	-81.6	-69.9	-93.0		134	4.0	9.0
80	17799	18004	17515	-78.7	-59.3	-89.7		113	3.2	7.3
70	18573	18881	18265	-75.2	-59.3	-86.9		121	2.2	6.9
60	19477	19867	19148	-70.2	-51.5	-80.7		173	1.0	7.1
50	20575	20955	20226	-65.5	-47.1	-76.5		137	1.4	7.7
40										
30										
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
565	4890	5340	4530				100	16530	-83.4

NORMALS OF RADIOSONDE DATA

MONTH : JANUARY TIME : 1730 IST STATION : RAIPUR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	959	981	942	23.4	31.8	13.8	10.5	011	1.5	2.2
1000	116	142	94							
950	545	573	501	22.6	30.4	13.4	10.6	003	1.8	3.3
925	787	808	772	20.6	29.6	10.6	8.2	343	1.7	3.4
900	1029	1050	1015	18.7	28.2	6.0	6.5	325	1.8	4.0
850	1516	1538	1502	14.9	25.8	3.0	3.4	294	3.0	4.7
800	2026	2045	2012	11.6	23.0	1.8	-0.3	288	4.7	6.3
750	2559	2579	2545	8.8	18.2	0.6	-3.6	286	6.9	8.4
700	3130	3149	3115	6.0	17.0	-2.7	-6.8	283	9.2	10.6
650	3727	3748	3709	3.0	15.2	-6.1	-10.6	280	11.4	12.7
600	4377	4394	4357	-0.3	11.0	-8.5	-14.2	277	13.8	15.1
550	5072	5092	5044	-4.1	6.6	-11.9	-18.6	275	17.0	18.4
500	5814	5841	5787	-8.6	0.8	-17.5	-23.4	274	20.0	21.5
450	6621	6664	6596	-13.9	-4.5	-23.9	-28.0	273	22.9	24.6
400	7507	7559	7479	-19.7	-9.9	-31.5	-32.5	273	26.3	28.1
350	8484	8542	8446	-26.2	-13.9	-39.1	-38.6	272	30.2	32.1
300	9585	9687	9537	-33.5	-22.3	-48.5	-44.4	269	33.8	35.9
250	10842	10973	10750	-42.3	-32.1	-59.7		264	35.3	37.6
200	12317	12478	12218	-52.9	-40.3	-68.9		258	36.1	38.4
175	13164	13344	13042	-58.8	-50.1	-72.9		256	34.2	36.7
150	14117	14369	13997	-64.5	-55.1	-75.1		257	33.1	35.5
125	15223	15483	15059	-69.9	-54.7	-81.3		259	30.2	32.5
100	16522	16768	16417	-74.6	-61.5	-85.7		260	24.6	27.5
80	17814	18079	17606	-74.8	-62.1	-86.9		272	14.0	17.2
70	18595	18914	18354	-72.6	-57.7	-85.3		268	13.2	19.2
60	19511	19813	19272	-68.4	-55.3	-78.7		286	6.9	15.5
50	20611	20958	20366	-63.2	-50.1	-74.7		280	6.5	12.3
40	22001	22367	21730	-59.0	-44.9	-70.5		328	1.5	13.3
30	23838	24245	23450	-55.2	-41.9	-67.7				
25	24984	25422	24621	-53.6	-39.5	-64.7				
20	26448	26934	26056	-51.4	-36.9	-59.5				
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
608	4290	4780	3970				098	16690	-76.5

NORMALS OF RADIOSONDE DATA

MONTH : FEBRUARY TIME : 1730 IST STATION : RAIPUR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	956	978	941	26.5	35.0	14.8	9.9	347	0.3	1.9
1000	95	125	72							
950	528	560	503	26.2	33.4	17.6	11.0	322	1.4	3.5
925	770	800	749	23.9	31.6	15.8	9.0	311	1.7	3.8
900	1018	1040	997	21.6	32.0	12.6	6.8	303	1.9	4.6
850	1510	1531	1487	17.5	31.8	9.2	4.5	280	3.1	4.8
800	2024	2044	2000	13.4	26.8	5.6	2.0	272	4.7	6.0
750	2556	2587	2525	9.6	26.2	1.2	-1.4	273	7.0	8.4
700	3131	3159	3105	6.1	23.2	-3.1	-5.9	275	9.3	10.7
650	3724	3769	3688	2.7	17.6	-5.1	-10.3	276	11.5	13.1
600	4377	4412	4346	-0.6	11.0	-10.1	-15.0	277	14.5	16.0
550	5072	5116	5032	-4.4	6.0	-13.7	-19.2	275	17.5	19.1
500	5813	5854	5770	-8.9	1.6	-17.9	-23.8	275	20.1	21.9
450	6620	6681	6557	-14.0	-3.7	-23.3	-28.3	274	23.3	24.9
400	7504	7547	7438	-19.8	-4.9	-30.5	-33.3	273	26.2	28.0
350	8483	8541	8399	-26.2	-11.1	-35.7	-37.8	273	29.4	31.6
300	9583	9660	9492	-33.2	-18.5	-45.1		271	32.9	35.4
250	10841	10942	10727	-41.7	-24.9	-55.7		268	36.0	39.3
200	12321	12455	12177	-52.1	-39.9	-63.7		267	36.5	39.3
175	13173	13311	13017	-57.7	-43.5	-70.5		269	35.3	38.2
150	14140	14368	13956	-63.2	-47.5	-75.7		268	32.3	35.0
125	15246	15449	15043	-69.1	-54.9	-80.7		267	27.7	30.7
100	16552	16803	16335	-73.7	-54.1	-84.7		267	22.9	26.9
80	17861	18144	17694	-73.8	-59.5	-86.1		267	17.2	20.9
70	18636	18965	18393	-71.3	-53.5	-82.7		267	14.0	18.2
60	19563	19900	19364	-67.1	-51.1	-79.3		275	9.4	15.0
50	20680	21053	20474	-62.4	-48.5	-80.7		269	8.5	13.0
40	22059	22655	21850	-58.5	-46.3	-77.7		256	2.8	10.9
30	23850	24510	23634	-56.0	-45.3	-70.3		066	2.0	9.4
25	24990	25660	24779	-54.4	-44.1	-65.5				
20	26429	27155	26208	-51.8	-41.1	-61.3				
15	28293	29037	28030	-49.8	-40.9	-56.5				
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
611	4240	4650	3680				098	16760	-75.8

NORMALS OF RADIOSONDE DATA

MONTH : MARCH TIME : 1730 IST STATION : RAIPUR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	952	976	930	31.0	41.2	17.0	9.8	343	1.0	2.9
1000	64	82	30							
950	507	531	487	31.7	40.2	19.2	9.9	297	1.9	4.0
925	753	771	727	29.1	39.4	18.4	7.9	298	2.5	4.3
900	1003	1015	972	26.4	37.4	13.6	6.4	305	2.9	5.3
850	1502	1514	1476	22.2	37.8	8.0	4.3	291	4.0	5.7
800	2024	2039	2001	17.6	31.4	7.4	2.3	281	5.0	6.4
750	2561	2581	2525	12.9	26.2	3.2	-0.2	276	6.5	7.8
700	3145	3162	3123	8.3	20.2	-1.9	-3.3	276	8.4	9.8
650	3741	3771	3696	4.0	13.2	-4.7	-7.1	277	10.6	12.0
600	4397	4422	4368	0.2	10.2	-10.1	-12.0	279	12.4	14.0
550	5092	5122	5054	-3.7	6.0	-15.5	-16.9	279	14.5	16.1
500	5835	5871	5800	-8.3	4.6	-19.7	-21.7	278	16.5	18.2
450	6644	6698	6587	-13.5	0.4	-23.9	-26.1	276	19.2	21.4
400	7531	7594	7486	-19.4	-6.9	-33.1	-31.5	275	21.7	23.9
350	8512	8583	8467	-26.1	-11.7	-37.9	-38.1	274	24.6	27.1
300	9612	9724	9543	-33.3	-16.9	-46.3	-44.1	272	28.5	31.4
250	10869	11004	10785	-42.0	-24.9	-54.9		270	32.0	35.4
200	12346	12523	12246	-51.7	-38.3	-66.1		270	32.8	35.8
175	13194	13393	13097	-57.3	-41.5	-71.1		269	31.9	34.4
150	14149	14376	14073	-62.9	-45.5	-74.3		272	30.7	32.9
125	15249	15508	15100	-68.7	-57.1	-79.1		272	25.7	27.9
100	16574	16867	16479	-72.7	-61.3	-85.9		274	19.3	21.8
80	17873	18216	17764	-73.1	-53.5	-84.9		275	11.9	15.1
70	18666	19070	18532	-71.0	-49.9	-84.5		279	8.8	14.2
60	19583	19967	19435	-66.6	-47.5	-81.7		275	4.7	10.6
50	20692	21031	20529	-61.5	-44.1	-76.1		273	2.2	8.5
40	22091	22322	21908	-56.9	-41.1	-69.9		141	1.1	8.4
30	23926	24203	23718	-52.9	-37.7	-67.1		253	3.4	10.0
25	25084	25440	24790	-50.8	-38.1	-64.7		257	4.6	10.5
20	26490	26965	26227	-49.6	-37.1	-63.1		263	3.6	11.4
15	28396	28857	28080	-46.8	-34.7	-59.5				
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FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
597	4440	4850	4060				099	16660	-75.2

NORMALS OF RADIOSONDE DATA

MONTH : APRIL TIME : 1730 IST STATION : RAIPUR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	949	973	925	35.5	44.2	20.4	10.1	313	0.7	2.3
1000	28	50	6							
950	474	504	434	35.7	43.2	22.8	11.7	265	1.4	4.7
925	725	744	705	33.4	41.6	20.6	10.2	278	2.1	4.9
900	978	994	954	31.2	40.0	18.2	7.0	299	2.9	5.6
850	1485	1503	1467	26.7	35.8	15.4	4.8	294	3.9	5.8
800	2016	2035	2002	22.1	30.6	12.4	3.1	291	4.5	6.0
750	2561	2587	2527	17.1	30.2	8.4	1.1	289	5.5	6.7
700	3153	3175	3131	11.7	20.8	3.8	-1.0	285	6.3	7.6
650	3752	3787	3700	6.3	17.0	-1.5	-3.8	284	7.5	8.8
600	4416	4444	4384	1.2	9.2	-8.7	-7.9	283	8.6	10.1
550	5109	5144	5048	-3.4	4.6	-11.1	-12.9	282	10.3	11.7
500	5857	5897	5814	-7.8	2.4	-16.3	-19.0	281	11.8	13.5
450	6666	6717	6614	-12.7	-2.3	-21.5	-24.2	279	13.9	15.8
400	7558	7632	7492	-18.7	-8.9	-29.3	-29.8	275	16.5	18.7
350	8538	8619	8460	-25.4	-14.5	-37.7	-35.7	271	19.5	22.1
300	9643	9749	9549	-32.7	-20.1	-45.3	-42.4	268	23.1	26.2
250	10902	11032	10791	-41.4	-27.9	-54.5	-49.7	262	26.9	30.6
200	12378	12541	12251	-51.6	-41.3	-63.5		259	28.4	31.5
175	13236	13397	13100	-56.9	-46.1	-68.9		258	27.8	30.5
150	14199	14367	14060	-62.5	-49.9	-72.9		258	24.4	26.6
125	15305	15540	15158	-68.5	-57.1	-78.5		260	18.6	21.3
100	16616	17133	16473	-74.1	-60.9	-83.5		263	12.0	16.0
80	17908	18474	17699	-74.9	-60.5	-84.5		272	2.7	10.7
70	18694	19257	18472	-72.5	-58.1	-82.5		037	1.2	8.6
60	19605	19911	19367	-67.6	-51.1	-80.9		092	1.3	8.8
50	20709	21043	20473	-62.0	-44.5	-81.1		079	3.4	8.0
40	22117	22463	21861	-56.7	-40.7	-78.3		098	2.1	7.9
30	23950	24483	23682	-52.2	-35.1	-75.5		093	3.6	7.4
25	25113	25558	24867	-50.1	-35.1	-73.9		098	4.8	7.1
20	26577	27110	26146	-47.6	-34.3	-71.3		067	3.7	8.0
15	28449	28993	27683	-45.8	-30.9	-68.3				
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
587	4600	5210	4130				093	17080	-76.8

NORMALS OF RADIOSONDE DATA

MONTH : MAY TIME : 1730 IST STATION : RAIPUR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	946	968	931	36.8	46.0	17.0	14.0	300	0.8	2.1
1000	15	41	0							
950	446	474	416	37.7	44.2	24.4	15.2	268	2.7	5.5
925	695	712	666	35.2	43.6	22.8	13.5	279	3.1	6.0
900	953	989	929	32.7	41.6	17.6	10.7	299	3.1	5.9
850	1463	1492	1442	28.4	38.8	15.2	8.4	300	4.0	6.1
800	1996	2017	1977	23.8	34.6	11.4	6.5	303	4.6	6.4
750	2544	2569	2518	18.9	30.4	7.2	4.8	305	5.1	6.8
700	3141	3157	3121	13.8	25.0	3.0	2.5	306	5.6	7.4
650	3745	3779	3702	8.4	19.6	-1.5	-0.9	304	6.2	8.1
600	4415	4438	4390	3.2	14.0	-4.9	-4.9	303	6.9	8.8
550	5115	5144	5083	-1.3	8.6	-12.1	-9.9	301	7.6	9.4
500	5867	5896	5834	-5.5	4.4	-18.7	-15.1	296	8.2	10.2
450	6687	6725	6636	-9.7	0.8	-23.5	-20.1	288	9.2	11.6
400	7589	7640	7547	-14.9	-3.3	-25.9	-24.4	279	10.2	12.9
350	8585	8645	8541	-21.1	-7.9	-33.1	-30.6	270	11.7	14.4
300	9711	9818	9650	-28.4	-15.5	-40.9	-38.1	260	13.4	16.4
250	10993	11138	10916	-37.5	-25.1	-49.1	-44.7	254	14.9	17.8
200	12494	12653	12396	-48.8	-38.9	-61.3		246	14.6	17.8
175	13355	13496	13247	-55.2	-43.5	-69.9		242	13.1	17.2
150	14321	14483	14199	-62.0	-48.1	-77.9		238	10.5	15.6
125	15422	15707	15290	-68.9	-53.5	-84.5		227	6.1	13.2
100	16735	17049	16587	-74.6	-61.3	-85.7		148	2.8	11.2
80	18018	18339	17873	-75.2	-58.7	-89.5		096	6.5	10.1
70	18796	19190	18647	-72.1	-55.7	-84.9		091	8.7	10.0
60	19714	20117	19566	-66.7	-46.9	-81.5		096	7.9	8.8
50	20838	21291	20675	-60.4	-47.9	-76.3		097	7.6	8.6
40	22249	22609	22054	-55.2	-44.7	-69.9		088	8.1	9.0
30	24108	24520	23811	-50.6	-36.3	-65.9		087	9.0	9.5
25	25270	25679	24970	-48.6	-29.7	-63.3		088	9.1	10.1
20	26726	27357	26410	-46.7	-35.1	-60.9		079	9.6	11.4
15	28622	29095	28296	-43.9	-33.5	-58.9		084	12.1	13.7
10	31346	31853	30907	-42.2	-33.3	-53.7				
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
564	4910	5640	4420				095	17030	-77.1

NORMALS OF RADIOSONDE DATA

MONTH : JUNE TIME : 1730 IST STATION : RAIPUR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	943	967	928	32.3	45.2	22.0	20.0	275	0.9	2.4
1000	26	43	8							
950	419	446	391	32.5	43.2	23.0	21.2	258	3.5	6.1
925	670	686	659	30.7	41.2	19.8	18.9	258	3.9	6.8
900	920	933	894	29.0	39.4	19.2	17.6	280	3.2	6.5
850	1426	1445	1393	25.5	36.2	15.2	15.1	292	4.0	6.9
800	1955	1981	1918	21.6	31.8	13.0	12.8	309	4.5	7.1
750	2507	2540	2477	17.6	27.2	8.8	10.3	318	4.6	7.3
700	3097	3130	3052	13.4	22.4	6.0	7.2	323	4.6	7.3
650	3709	3744	3671	9.3	19.0	1.6	3.4	322	4.6	7.4
600	4376	4409	4321	5.3	15.2	-2.9	-0.6	318	4.5	7.6
550	5092	5133	5050	1.5	12.0	-7.9	-4.5	314	4.1	7.3
500	5846	5889	5793	-2.3	8.8	-13.9	-8.6	309	3.5	7.0
450	6680	6738	6630	-6.1	2.4	-14.7	-13.4	309	2.3	6.8
400	7590	7649	7543	-11.1	-1.5	-19.7	-19.1	303	1.7	6.7
350	8603	8672	8543	-17.1	-7.7	-26.5	-25.0	005	0.4	6.6
300	9746	9846	9684	-24.8	-12.7	-35.7	-32.7	099	1.6	7.3
250	11047	11154	10955	-34.6	-24.1	-47.3	-42.0	106	3.6	8.6
200	12566	12691	12433	-47.0	-37.7	-60.3	-53.2	108	7.4	11.5
175	13434	13580	13276	-54.4	-45.3	-67.1	-60.6	101	10.0	13.5
150	14405	14579	14232	-62.3	-52.1	-72.7		098	12.5	15.6
125	15505	15725	15308	-70.7	-59.7	-82.1		091	15.1	17.5
100	16792	17001	16611	-77.6	-66.7	-87.1		089	18.1	19.8
80	18062	18326	17894	-77.3	-59.9	-88.3		089	19.2	19.9
70	18846	19165	18673	-73.5	-53.9	-85.7		094	18.0	18.6
60	19752	20114	19594	-66.9	-49.3	-82.3		089	16.7	17.4
50	20865	21280	20686	-61.3	-45.5	-78.3		086	16.6	17.2
40	22252	22731	22049	-57.3	-45.7	-76.5		088	16.8	17.4
30	24070	24649	23875	-53.0	-38.1	-68.9		087	19.5	20.0
25	25260	25850	25018	-50.9	-34.5	-65.1		082	19.9	20.4
20	26674	27415	26385	-48.7	-31.1	-63.9		080	22.9	23.6
15	28542	29088	28242	-47.2	-37.5	-62.5				
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
530	5380	6190	4790				095	17080	-79.6

NORMALS OF RADIOSONDE DATA

MONTH : JULY TIME : 1730 IST STATION : RAIPUR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	943	966	929	27.8	37.0	21.4	23.3	251	1.3	2.2
1000	15	34	0							
950	419	449	390	27.8	35.4	22.6	23.2	250	5.0	6.6
925	669	688	660	26.5	34.0	20.0	21.9	254	5.8	7.2
900	919	938	904	25.1	33.2	15.2	21.0	259	4.3	6.4
850	1419	1469	1405	22.0	29.8	12.8	18.2	275	4.9	7.4
800	1944	1996	1932	19.0	28.2	10.6	15.5	287	4.7	7.5
750	2497	2517	2485	15.8	23.2	6.6	12.5	289	4.1	7.1
700	3079	3132	3068	12.6	19.6	3.0	9.2	291	3.4	6.7
650	3694	3750	3673	9.5	17.0	0.2	5.4	292	2.8	6.3
600	4360	4417	4347	6.2	14.4	-2.7	1.3	297	2.2	5.8
550	5080	5129	5055	2.6	9.6	-7.9	-2.8	314	1.0	5.5
500	5835	5894	5815	-1.2	6.0	-11.7	-7.3	003	0.6	5.4
450	6672	6724	6640	-5.5	1.8	-14.1	-12.4	070	1.3	5.4
400	7585	7647	7555	-10.6	-2.7	-20.1	-18.3	080	2.8	5.8
350	8599	8662	8556	-16.8	-7.9	-28.1	-24.9	085	4.9	7.0
300	9744	9820	9689	-24.4	-14.1	-38.1	-33.0	086	7.7	8.9
250	11045	11148	10969	-34.2	-23.9	-48.9	-41.9	086	11.9	12.7
200	12564	12703	12456	-46.8	-37.3	-58.7	-53.7	085	16.6	17.4
175	13438	13589	13312	-54.2	-42.9	-69.1	-59.6	083	18.9	19.8
150	14402	14559	14256	-62.5	-50.3	-76.7		081	22.2	23.1
125	15500	15713	15330	-71.0	-58.9	-82.1		079	25.2	26.5
100	16802	17172	16651	-77.2	-67.1	-85.7		079	28.3	29.2
80	18080	18516	17927	-74.8	-62.9	-85.1		086	27.3	27.8
70	18869	19315	18687	-70.6	-57.1	-82.5		087	25.0	25.4
60	19789	20134	19596	-64.3	-50.9	-73.9		087	21.6	22.1
50	20922	21297	20704	-59.5	-45.7	-71.5		088	22.0	22.3
40	22334	22759	22058	-55.6	-43.1	-66.7		086	22.9	24.1
30	24195	24674	23824	-51.0	-39.1	-62.1		088	25.6	26.1
25	25349	25885	24983	-49.2	-36.1	-61.3		088	28.3	29.0
20	26827	27416	26473	-47.4	-36.1	-59.5		087	31.6	32.1
15	28717	29520	28365	-45.3	-33.1	-56.7				
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
515	5600	6170	5270				101	16790	-79.1

NORMALS OF RADIOSONDE DATA

MONTH : AUGUST TIME : 1730 IST STATION : RAIPUR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	943	968	929	27.2	33.4	22.2	23.5	252	0.8	2.0
1000	7	21	0							
950	428	462	400	27.2	32.0	21.6	23.3	249	3.6	5.4
925	685	700	674	25.8	32.2	18.2	21.9	258	3.9	6.4
900	927	943	907	24.5	32.0	17.0	21.2	271	2.8	6.0
850	1426	1444	1405	21.4	28.8	11.4	18.5	291	3.1	6.9
800	1950	1972	1927	18.4	26.8	8.8	15.5	301	2.9	7.1
750	2503	2522	2486	15.5	23.6	6.2	12.4	312	2.4	6.8
700	3084	3108	3058	12.6	21.8	3.4	8.7	321	1.8	6.7
650	3700	3728	3670	9.6	17.4	0.2	4.7	345	1.1	6.6
600	4364	4392	4339	6.4	15.4	-3.7	0.6	018	1.0	6.5
550	5084	5117	5058	2.9	11.4	-7.1	-3.5	072	1.5	6.3
500	5841	5884	5801	-1.0	6.8	-10.3	-7.7	085	2.0	6.1
450	6677	6726	6628	-5.3	2.8	-14.5	-12.5	083	3.1	6.5
400	7592	7654	7543	-10.5	-1.9	-20.1	-18.6	083	4.0	6.6
350	8605	8666	8550	-16.6	-3.9	-26.3	-25.6	085	5.8	7.6
300	9752	9838	9702	-24.3	-15.3	-40.3	-32.8	085	7.8	8.8
250	11055	11170	10999	-34.0	-25.7	-46.7	-41.8	088	11.0	11.9
200	12579	12738	12502	-46.5	-37.9	-58.7	-54.0	086	14.9	16.0
175	13455	13628	13350	-53.8	-44.1	-65.5		081	16.4	17.8
150	14420	14599	14295	-62.1	-51.1	-74.5		078	19.1	20.8
125	15523	15731	15378	-70.6	-57.1	-80.5		076	23.0	23.9
100	16817	17054	16668	-76.5	-57.1	-87.9		081	27.3	28.0
80	18100	18392	17950	-73.8	-59.3	-85.7		085	24.5	25.0
70	18887	19270	18710	-69.5	-51.1	-85.7		086	21.8	22.4
60	19808	20196	19595	-64.4	-50.9	-81.9		087	23.0	23.4
50	20927	21308	20713	-59.9	-45.5	-76.7		087	19.1	20.4
40	22329	22905	22083	-56.3	-42.5	-65.7		086	22.5	23.3
30	24169	24775	23894	-52.1	-39.1	-68.1				
25	25322	25730	25035	-50.3	-37.9	-64.1				
20	26783	27239	26531	-48.7	-40.1	-56.9				
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
513	5640	6260	5150				102	16730	-78.6

NORMALS OF RADIOSONDE DATA

MONTH : SEPTEMBER TIME : 1730 IST STATION : RAIPUR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	947	972	933	27.6	33.0	21.4	22.5	292	0.3	1.3
1000	25	60	5							
950	460	499	432	27.7	32.0	21.6	22.1	277	2.0	4.5
925	707	730	688	25.9	33.0	19.0	20.4	281	2.3	4.9
900	958	995	936	24.5	31.4	14.0	19.5	313	2.1	5.0
850	1456	1496	1434	21.1	29.4	11.8	16.4	320	2.7	5.7
800	1979	2020	1956	17.8	26.4	9.2	13.1	325	2.9	6.0
750	2527	2575	2507	14.5	23.2	4.4	9.3	327	2.8	5.9
700	3108	3153	3087	11.3	19.8	1.8	5.5	324	2.4	5.9
650	3719	3762	3692	8.1	17.2	-0.7	1.5	307	1.8	5.5
600	4379	4427	4352	4.9	13.2	-5.5	-1.7	292	1.5	5.3
550	5096	5152	5063	1.5	9.4	-7.3	-5.4	273	1.4	5.5
500	5848	5907	5809	-2.4	5.4	-12.9	-9.8	276	0.9	5.3
450	6679	6763	6646	-6.9	1.0	-14.3	-14.9	216	0.5	5.2
400	7589	7663	7539	-12.2	-3.5	-20.3	-20.9	148	0.6	5.3
350	8595	8678	8531	-18.6	-8.9	-25.9	-27.1	120	1.3	5.7
300	9732	9841	9672	-26.4	-15.3	-36.9	-34.5	113	2.0	6.3
250	11026	11155	10961	-36.1	-27.3	-47.1	-43.0	108	3.5	7.3
200	12532	12693	12440	-48.8	-38.5	-60.3	-54.9	112	5.6	9.4
175	13397	13579	13288	-56.1	-45.1	-66.1		106	7.4	11.2
150	14358	14556	14241	-64.0	-51.5	-74.9		099	8.6	12.1
125	15454	15710	15322	-71.9	-60.1	-81.5		092	10.6	12.9
100	16728	17040	16597	-78.1	-67.1	-87.5		088	12.8	14.0
80	18010	18407	17867	-74.2	-60.9	-83.7		088	12.9	13.7
70	18808	19048	18665	-69.3	-56.3	-81.1		095	12.5	13.1
60	19733	19961	19576	-64.3	-50.1	-72.9		088	11.4	12.5
50	20897	21263	20629	-60.4	-44.7	-86.3		089	13.1	13.6
40	22274	22597	22028	-56.1	-42.5	-64.7		088	13.5	14.3
30	24117	24474	23862	-52.7	-36.9	-61.3		083	15.7	16.1
25	25288	25550	25038	-51.2	-35.1	-60.1		083	18.8	19.4
20	26755	27171	26386	-48.9	-35.7	-57.9		079	20.7	21.6
15	28664	29022	28274	-46.8	-38.5	-55.1				
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
531	5380	6070	5000				101	16690	-79.4

NORMALS OF RADIOSONDE DATA

MONTH : OCTOBER TIME : 1730 IST STATION : RAIPUR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	952	978	938	27.2	34.0	20.0	18.4	020	1.3	2.3
1000	72	97	44							
950	504	549	459	27.2	32.2	21.2	18.1	045	3.2	4.7
925	751	780	734	25.5	31.2	18.8	15.7	035	2.9	4.5
900	1001	1026	978	23.8	33.4	14.6	13.6	011	2.8	4.7
850	1497	1521	1474	20.1	29.4	13.8	10.5	007	3.2	5.2
800	2017	2039	1993	16.2	26.6	7.0	7.1	002	3.1	5.5
750	2558	2591	2536	12.5	23.8	5.0	3.2	354	3.1	5.9
700	3137	3163	3113	9.3	19.6	1.8	0.2	334	2.6	5.9
650	3742	3772	3716	6.4	17.4	-5.3	-3.4	307	2.7	6.1
600	4400	4437	4373	3.5	15.0	-6.3	-5.9	285	3.2	6.4
550	5110	5150	5077	0.0	11.8	-10.5	-9.5	275	4.1	7.2
500	5859	5905	5826	-4.1	8.0	-12.1	-13.6	270	5.2	8.0
450	6685	6734	6651	-8.9	3.6	-18.1	-18.5	265	6.3	9.0
400	7585	7639	7542	-14.5	-3.5	-24.7	-24.1	262	7.2	10.0
350	8583	8648	8524	-21.1	-6.9	-32.5	-30.0	255	8.7	11.3
300	9707	9800	9638	-28.9	-17.9	-40.5	-37.7	250	10.5	12.6
250	10987	11107	10895	-38.7	-26.5	-52.9	-47.2	243	11.6	14.0
200	12475	12588	12364	-51.0	-38.7	-62.3		237	11.7	14.6
175	13328	13483	13215	-58.1	-46.9	-69.9		231	11.2	14.6
150	14282	14455	14168	-65.4	-53.9	-76.1		226	9.3	12.8
125	15362	15614	15233	-72.8	-61.9	-83.5		218	6.2	10.4
100	16643	16930	16515	-77.3	-62.7	-88.9		156	2.3	7.6
80	17939	18144	17754	-73.5	-59.9	-84.1		104	4.4	7.0
70	18736	18970	18530	-69.3	-57.1	-83.7		092	5.1	7.1
60	19658	19850	19396	-64.8	-52.5	-75.3		091	7.1	7.8
50	20783	20994	20478	-61.0	-48.1	-71.3		088	7.9	8.6
40	22198	22449	21840	-57.2	-43.7	-67.5		083	9.1	9.8
30	24007	24314	23623	-54.3	-36.9	-64.3		082	10.0	11.3
25	25174	25519	24927	-52.2	-39.7	-62.3		079	10.6	11.4
20	26606	26939	26171	-50.8	-40.1	-59.9				
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
551	5100	5550	4560				105	16430	-78.5

NORMALS OF RADIOSONDE DATA

MONTH : NOVEMBER TIME : 1730 IST STATION : RAIPUR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	955	980	941	25.1	31.4	15.2	13.5	061	0.6	2.7
1000	102	125	81							
950	533	560	500	25.1	29.8	18.6	12.3	035	3.5	4.3
925	775	793	760	23.1	31.2	13.6	10.5	029	2.7	4.0
900	1023	1045	1003	21.1	29.6	10.8	8.7	012	2.7	4.2
850	1514	1541	1493	17.2	25.8	8.8	5.7	004	2.8	4.3
800	2029	2059	2005	13.6	22.6	6.8	2.9	351	2.9	4.6
750	2567	2600	2536	10.7	19.6	1.8	-1.4	329	3.2	5.1
700	3141	3177	3114	8.3	18.0	-0.7	-4.2	307	3.8	6.0
650	3746	3784	3714	5.5	15.0	-5.1	-7.1	291	5.1	7.2
600	4399	4437	4371	2.3	10.4	-5.9	-10.9	284	6.4	8.4
550	5104	5155	5058	-1.5	6.0	-11.7	-14.5	282	8.0	10.0
500	5849	5894	5815	-6.1	2.4	-16.9	-18.0	279	9.9	11.9
450	6664	6715	6618	-11.2	-1.9	-23.1	-21.7	275	12.3	14.3
400	7559	7639	7512	-17.2	-6.9	-27.9	-26.5	273	15.1	17.2
350	8548	8623	8490	-23.9	-12.9	-33.1	-33.0	267	17.8	19.9
300	9655	9775	9572	-31.6	-18.7	-41.5	-39.3	263	21.8	23.7
250	10919	11074	10817	-40.9	-27.1	-50.7		257	24.8	27.0
200	12402	12596	12285	-52.4	-40.1	-63.7		250	25.7	28.3
175	13254	13465	13125	-58.8	-45.1	-71.5		251	25.5	28.0
150	14201	14443	14065	-65.5	-50.1	-78.7		252	23.3	25.7
125	15284	15594	15144	-72.2	-55.1	-82.7		256	18.1	20.1
100	16569	16926	16455	-76.5	-60.9	-86.1		260	9.9	13.5
80	17856	18240	17732	-75.3	-63.7	-86.1		254	2.8	9.4
70	18643	19048	18509	-71.8	-55.3	-82.1		257	1.4	7.5
60	19553	19962	19415	-67.2	-53.9	-77.7		269	0.9	7.5
50	20670	21093	20515	-62.5	-49.1	-74.3		107	0.5	7.0
40	22056	22524	21869	-58.6	-39.9	-72.1		090	2.1	7.2
30	23869	24417	23665	-55.0	-36.1	-64.3		133	3.0	7.4
25	25018	25667	24773	-53.5	-34.1	-62.5		111	2.0	7.3
20	26463	27202	26196	-50.9	-31.1	-60.3		113	2.8	8.6
15	28319	28940	28096	-49.0	-40.1	-56.1				
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
570	4800	5620	4320				103	16470	-77.7

NORMALS OF RADIOSONDE DATA

MONTH : DECEMBER TIME : 1730 IST STATION : RAIPUR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	960	981	942	22.7	28.4	13.8	10.4	012	2.2	2.8
1000	126	170	103							
950	555	600	500	22.2	27.4	14.0	9.0	026	2.8	3.5
925	797	822	740	20.3	25.8	12.6	6.7	012	2.4	3.3
900	1038	1088	1017	18.4	25.6	10.8	5.5	355	2.1	3.8
850	1525	1584	1501	14.7	25.0	7.8	2.3	334	2.3	4.0
800	2035	2104	2010	12.0	23.4	4.2	-1.8	316	3.3	5.1
750	2571	2670	2550	9.8	21.0	2.2	-5.0	305	4.8	6.5
700	3142	3215	3128	7.4	19.2	-2.5	-8.1	294	6.1	7.9
650	3743	3850	3720	4.5	15.4	-6.1	-11.3	288	7.5	9.2
600	4395	4469	4372	1.1	12.0	-9.3	-14.3	283	9.1	10.7
550	5093	5200	5052	-3.1	8.4	-14.3	-18.3	281	11.3	12.8
500	5836	5913	5795	-7.9	2.4	-21.7	-21.4	278	13.8	15.2
450	6645	6800	6587	-13.2	-3.1	-25.7	-25.2	274	16.5	18.0
400	7533	7611	7475	-19.3	-8.9	-32.3	-30.2	272	19.1	20.7
350	8513	8680	8441	-26.2	-14.7	-40.7	-36.8	269	22.8	24.5
300	9612	9707	9522	-34.0	-22.9	-44.1	-42.8	267	26.3	28.4
250	10865	10979	10752	-43.2	-32.3	-52.9		261	29.4	32.0
200	12332	12453	12195	-54.0	-43.9	-63.5		255	31.0	33.9
175	13177	13340	13026	-59.6	-50.1	-67.9		253	29.0	31.6
150	14122	14304	13974	-65.3	-54.3	-74.5		254	27.8	30.5
125	15211	15615	15035	-70.6	-58.1	-80.5		258	23.6	25.6
100	16520	16735	16299	-74.9	-62.1	-83.1		265	16.0	18.3
80	17817	18064	17613	-74.9	-60.3	-85.7		269	10.1	13.7
70	18606	18897	18391	-72.4	-54.5	-82.9		273	7.9	12.8
60	19520	19833	19298	-68.6	-51.3	-82.3		295	4.5	11.2
50	20627	20977	20403	-64.1	-49.3	-78.1		287	3.5	9.7
40	22011	22403	21773	-60.1	-45.9	-71.9		335	1.1	9.5
30	23827	24272	23574	-55.9	-40.7	-66.7		158	1.3	10.1
25	24986	25446	24731	-53.7	-37.1	-64.7		145	1.5	10.0
20	26388	26954	26133	-51.7	-41.5	-64.7		246	4.0	10.9
15	28248	28904	27685	-49.8	-39.1	-63.5				
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
589	4550	5190	3910				099	16620	-76.3

NORMALS OF RADIOSONDE DATA

MONTH : JANUARY TIME : 1730 IST STATION : RANCHI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	945	948	939	19.4	25.4	12.0	8.5	318	1.4	1.9
1000	130	154	104							
950	560	592	522							
925	790	811	778	18.1	24.6	10.6	7.3	318	2.7	4.3
900	1037	1056	1014	16.3	25.8	8.0	4.8	313	3.5	4.6
850	1519	1539	1496	12.7	25.0	2.4	2.0	296	4.7	5.6
800	2026	2046	2001	9.5	23.0	-2.3	-1.5	292	6.8	7.9
750	2553	2570	2527	7.0	21.2	-4.1	-5.2	290	9.4	10.6
700	3122	3147	3096	4.3	18.2	-6.5	-8.5	288	11.3	12.6
650	3720	3747	3694	1.4	11.8	-10.3	-12.4	284	14.0	15.0
600	4363	4396	4333	-1.6	8.2	-13.1	-15.3	280	16.3	17.4
550	5057	5106	5021	-5.6	4.8	-16.1	-19.2	277	19.3	20.4
500	5791	5835	5749	-10.2	1.2	-19.5		275	22.5	23.9
450	6597	6645	6546	-15.4	-3.1	-25.1		274	25.6	27.1
400	7475	7540	7412	-21.2	-7.5	-32.7		271	28.9	30.8
350	8448	8524	8372	-27.5	-17.7	-40.5		270	33.2	35.6
300	9541	9632	9461	-34.5	-21.5	-48.9		270	37.2	40.0
250	10793	10900	10724	-43.1	-30.1	-56.1		267	41.4	43.8
200	12265	12379	12153	-53.4	-42.9	-62.9				
175	13119	13232	12980	-58.7	-49.1	-71.1				
150	14074	14192	13911	-64.5	-54.1	-82.1				
125	15163	15335	14991	-69.7	-59.1	-80.1				
100	16479	16654	16353	-74.3	-63.1	-83.9				
80	17769	17973	17515	-74.6	-62.7	-87.3				
70	18549	18760	18399	-71.9	-57.1	-81.1				
60	19472	19684	19297	-68.3	-52.1	-77.3				
50	20574	20897	20388	-63.9	-49.7	-74.1				
40	21953	22337	21794	-60.2	-46.5	-68.5				
30										
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
631	3970	4520	3400				096	16760	-76.4

NORMALS OF RADIOSONDE DATA

MONTH : FEBRUARY TIME : 1730 IST STATION : RANCHI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	943	947	938	22.6	30.4	12.0	8.8	313	1.6	2.3
1000	109	142	84							
950	548	580	516							
925	779	791	766	21.5	28.2	13.6	8.3	310	3.1	4.3
900	1026	1052	1004	19.5	28.8	7.6	5.1	308	4.1	5.4
850	1514	1536	1489	15.3	25.0	3.8	2.7	294	4.9	5.9
800	2024	2049	1997	11.2	21.6	0.2	0.3	283	6.6	7.5
750	2552	2584	2527	7.5	18.0	-4.9	-3.3	281	9.2	10.2
700	3123	3156	3090	4.2	14.6	-10.3	-6.9	283	11.8	12.8
650	3718	3753	3685	0.9	12.4	-10.1	-10.6	282	14.1	15.2
600	4361	4399	4325	-2.5	7.6	-14.1	-15.0	282	16.9	18.1
550	5051	5108	5009	-6.4	3.6	-18.1	-18.4	280	20.1	21.3
500	5787	5836	5749	-10.8	-0.1	-21.5	-22.9	278	23.0	24.5
450	6590	6645	6549	-16.0	-6.1	-27.3		277	25.7	27.3
400	7469	7536	7416	-21.7	-11.9	-31.1		275	30.0	31.7
350	8440	8513	8382	-28.1	-16.7	-40.3		274	33.7	36.0
300	9532	9614	9468	-35.0	-25.7	-50.7		273	38.3	41.4
250	10784	10890	10711	-43.3	-31.9	-59.9		268	41.7	45.9
200	12258	12390	12128	-52.8	-39.1	-69.5				
175	13108	13229	13012	-58.1	-48.9	-70.7				
150	14068	14199	13906	-63.7	-53.7	-78.3				
125	15166	15260	15011	-68.8	-58.5	-80.7				
100	16494	16597	16357	-73.7	-64.1	-83.5				
80	17795	17897	17629	-74.7	-57.5	-83.9				
70	18577	18688	18422	-73.0	-51.5	-82.5				
60	19491	19606	19319	-68.9	-47.5	-80.1				
50	20598	20839	20399	-64.3	-43.5	-78.1				
40	21975	22164	21795	-60.3	-47.9	-74.1				
30										
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
638	3880	4440	3410				096	16800	-75.6

NORMALS OF RADIOSONDE DATA

MONTH : MARCH TIME : 1730 IST STATION : RANCHI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	940	943	934	27.5	36.8	15.0	9.1	308	2.5	3.2
1000	76	97	32							
950	520	542	471							
925	753	775	728	27.0	34.6	15.8	8.7	307	4.7	5.6
900	1007	1022	974	24.4	34.8	14.0	5.6	303	4.9	6.3
850	1503	1518	1473	20.2	31.4	9.8	2.9	296	5.8	6.9
800	2021	2039	1992	15.7	25.6	7.2	0.9	286	6.7	7.6
750	2557	2583	2535	11.2	20.8	2.6	-1.7	281	8.6	9.7
700	3136	3159	3112	6.9	17.6	-2.9	-5.1	282	10.9	12.0
650	3735	3767	3717	2.8	13.0	-6.9	-8.1	284	13.3	14.4
600	4382	4414	4360	-1.1	8.8	-10.3	-12.5	284	15.8	17.0
550	5076	5107	5051	-5.1	4.0	-14.7	-16.8	284	17.6	18.9
500	5813	5852	5789	-9.7	1.8	-19.7	-22.3	283	19.9	21.3
450	6620	6663	6593	-14.9	-0.9	-26.3	-27.2	281	21.9	23.5
400	7501	7547	7468	-21.0	-4.5	-34.1	-31.6	279	24.5	26.5
350	8478	8539	8431	-27.7	-11.7	-40.9		279	26.2	28.5
300	9571	9654	9511	-34.9	-20.1	-48.3		277	29.8	32.4
250	10822	10920	10738	-43.4	-30.5	-61.9		275	34.0	36.8
200	12300	12404	12189	-52.5	-39.1	-72.5		272	36.2	38.5
175	13153	13271	13031	-57.4	-39.1	-75.5		273	33.7	35.5
150	14116	14282	14009	-62.8	-43.9	-77.1				
125	15221	15420	15130	-68.5	-48.1	-77.9				
100	16526	16711	16345	-73.7	-62.9	-83.5				
80	17817	18038	17681	-74.7	-64.5	-82.3				
70	18600	18853	18429	-72.5	-55.3	-81.3				
60	19521	19775	19418	-68.8	-56.5	-80.9				
50	20621	20937	20498	-63.3	-49.5	-72.9				
40	22009	22302	21856	-58.4	-44.3	-75.1				
30	23828	24184	23629	-54.3	-40.9	-72.5				
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
613	4220	4580	3830				097	16740	-75.5

NORMALS OF RADIOSONDE DATA

MONTH : APRIL TIME : 1730 IST STATION : RANCHI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	937	940	931	31.7	43.0	18.4	11.3	305	1.9	3.3
1000	42	70	0							
950	499	540	464							
925	735	751	705	31.1	39.2	20.6	11.8	298	3.1	5.0
900	987	1015	952	28.9	41.8	17.6	7.6	303	4.3	6.8
850	1491	1518	1461	24.6	36.2	14.0	4.7	299	5.4	7.1
800	2018	2044	1991	20.1	31.8	9.8	2.7	296	6.1	7.4
750	2560	2583	2544	15.3	27.6	6.2	0.8	291	7.0	8.1
700	3147	3173	3128	10.2	22.4	2.0	-1.9	287	8.2	9.4
650	3751	3778	3714	4.9	18.2	-4.0	-5.1	286	9.8	10.9
600	4404	4429	4373	0.2	10.8	-8.1	-9.2	286	11.8	13.1
550	5098	5127	5058	-4.2	4.2	-12.1	-14.6	289	13.5	14.8
500	5841	5868	5791	-8.6	-1.1	-20.9	-19.9	287	15.1	16.6
450	6650	6688	6593	-13.7	-5.9	-23.1	-25.0	284	17.1	18.7
400	7537	7582	7464	-19.6	-9.5	-42.1	-29.8	280	19.1	21.1
350	8516	8576	8428	-26.3	-16.3	-37.5		278	22.2	24.5
300	9614	9687	9506	-33.6	-18.7	-44.3		272	25.7	28.3
250	10873	10962	10744	-42.1	-27.0	-54.7		267	29.3	33.2
200	12350	12462	12211	-51.8	-40.5	-63.3		266	28.6	32.5
175	13208	13334	13069	-57.1	-42.5	-69.7		265	26.9	29.6
150	14171	14311	14038	-63.1	-46.1	-72.5		268	22.1	24.6
125	15274	15424	15123	-68.8	-52.5	-79.1		268	17.4	19.9
100	16590	16805	16424	-73.8	-57.3	-83.0				
80	17883	18117	17680	-74.2	-59.1	-84.9				
70	18665	18933	18446	-71.5	-55.1	-83.1				
60	19593	19865	19359	-67.2	-49.3	-79.5				
50	20714	21024	20491	-61.4	-42.5	-75.7				
40	22108	22447	21781	-56.8	-39.3	-72.1				
30	23944	24164	23734	-51.9	-34.5	-72.3				
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
596	4450	4930	4000				096	16880	-75.9

NORMALS OF RADIOSONDE DATA

MONTH : MAY TIME : 1730 IST STATION : RANCHI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	934	940	929	32.5	40.0	20.0	15.4	310	0.8	3.2
1000	17	53	0							
950	471	531	440							
925	700	732	684	32.1	39.8	22.4	16.3	291	1.0	4.2
900	963	1004	930	30.0	40.2	19.0	11.6	311	2.1	6.0
850	1469	1507	1436	25.9	35.4	14.0	8.6	314	3.5	6.2
800	1999	2033	1965	21.7	30.2	10.6	6.0	310	4.9	7.0
750	2546	2577	2516	17.0	32.2	5.8	3.8	310	6.5	7.8
700	3137	3173	3100	12.0	29.0	0.4	0.9	305	7.5	8.9
650	3745	3774	3710	7.0	19.0	-2.9	-2.5	302	8.8	10.3
600	4403	4447	4365	2.2	12.4	-9.1	-6.6	298	9.9	11.5
550	5104	5145	5066	-2.0	6.8	-12.1	-11.3	298	10.5	12.2
500	5853	5909	5815	-5.8	3.0	-15.1	-16.4	296	11.1	13.1
450	6673	6720	6631	-10.0	-1.0	-20.9	-20.7	291	11.2	13.5
400	7571	7636	7518	-15.3	-4.7	-26.1	-25.4	283	12.3	14.8
350	8566	8636	8507	-21.6	-8.5	-31.9	-31.4	275	13.7	16.3
300	9688	9790	9619	-29.2	-16.1	-40.9		265	14.8	17.7
250	10968	11096	10883	-38.4	-25.3	-48.5		257	15.9	18.8
200	12465	12639	12312	-49.7	-34.9	-61.7		248	14.6	17.7
175	13328	13511	13135	-56.2	-43.5	-68.5		247	13.2	16.6
150	14292	14478	14023	-63.0	-50.1	-75.7		241	10.5	14.2
125	15400	15645	15225	-69.9	-58.1	-80.7		235	5.5	11.7
100	16705	16996	16499	-75.7	-64.3	-85.9		191	2.0	9.3
80	17987	18240	17759	-76.4	-66.5	-86.3		106	5.2	9.7
70	18768	19045	18502	-73.2	-58.9	-82.9		107	6.5	9.4
60	19680	19989	19406	-67.7	-52.9	-78.5				
50	20796	21144	20540	-61.3	-45.1	-78.9				
40	22209	22582	21842	-55.9	-43.7	-71.3				
30										
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
573	4770	5530	4350				095	17050	-78.0

NORMALS OF RADIOSONDE DATA

MONTH : JUNE TIME : 1730 IST STATION : RANCHI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	931	934	925	29.3	40.8	21.6	21.3	215	0.2	2.8
1000	14	30	0							
950	440	466	411							
925	674	694	651	29.4	39.4	21.8	21.1	226	1.1	3.4
900	928	953	902	27.5	41.0	20.0	18.4	264	1.0	5.9
850	1432	1452	1403	24.2	38.0	17.0	15.4	305	1.9	6.3
800	1959	1979	1929	20.6	32.6	10.6	12.8	314	2.9	6.8
750	2511	2532	2495	16.8	27.6	7.4	9.9	315	3.7	7.4
700	3098	3123	3068	12.9	22.6	5.8	6.5	316	4.4	8.0
650	3715	3753	3697	8.9	19.2	1.2	2.5	312	4.7	8.4
600	4375	4414	4353	5.1	15.4	-3.1	-1.6	309	4.6	8.5
550	5088	5132	5064	1.5	11.2	-8.1	-5.7	307	4.0	8.3
500	5843	5897	5820	-2.5	6.0	-13.1	-10.2	301	3.3	8.2
450	6677	6734	6644	-6.7	3.4	-13.9	-14.5	295	2.4	7.7
400	7586	7648	7555	-11.7	-2.9	-19.5	-20.0	288	2.0	7.6
350	8595	8664	8558	-17.9	-8.3	-26.1	-26.1	277	1.4	7.7
300	9734	9805	9680	-25.7	-18.3	-35.9	-33.9	246	0.6	8.6
250	11029	11109	10963	-35.4	-22.7	-47.5	-42.5	143	1.6	8.8
200	12545	12635	12459	-47.8	-38.7	-57.9		121	3.9	10.8
175	13416	13524	13311	-55.1	-47.1	-65.9		117	5.2	11.0
150	14381	14517	14256	-63.2	-53.9	-74.1		103	6.5	12.1
125	15478	15633	15345	-71.5	-51.1	-85.5		091	8.9	12.6
100	16770	16926	16618	-78.0	-61.1	-90.9		088	12.1	14.5
80	18040	18315	17774	-76.6	-53.9	-88.5		097	14.0	15.3
70	18814	19125	18540	-73.0	-49.5	-87.7		094	14.2	14.9
60	19721	20178	19452	-67.6	-51.3	-84.3		092	14.5	15.3
50	20830	21197	20567	-61.7	-44.3	-79.7		090	14.5	15.2
40	22228	22608	21974	-56.8	-40.5	-77.3				
30	24081	24507	23825	-52.2	-38.9	-75.5				
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
533	5350	5870	4920				096	17020	-79.8

NORMALS OF RADIOSONDE DATA

MONTH : JULY TIME : 1730 IST STATION : RANCHI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	931	935	925	26.7	35.0	20.0	23.3	204	0.5	2.4
1000	13	28	0							
950	441	472	405							
925	668	691	657	26.3	32.0	20.6	22.8	219	1.3	3.2
900	925	949	901	24.7	33.0	17.8	21.2	233	1.4	5.5
850	1425	1450	1399	21.7	30.0	15.0	18.1	265	1.2	6.3
800	1949	1972	1922	18.7	25.0	11.6	15.2	282	1.2	6.5
750	2498	2517	2480	15.7	24.0	8.8	12.4	286	1.2	6.5
700	3083	3112	3054	12.7	25.2	6.0	8.9	282	0.9	6.4
650	3701	3730	3680	9.5	17.4	3.0	4.9	299	0.3	6.3
600	4363	4392	4329	6.1	13.4	-1.7	1.1	062	0.5	6.3
550	5082	5119	5053	2.6	11.8	-4.7	-2.7	079	1.1	6.6
500	5838	5869	5800	-1.5	8.6	-8.7	-7.4	084	1.8	6.7
450	6674	6706	6637	-5.9	2.0	-13.9	-12.6	081	2.8	6.6
400	7585	7626	7532	-11.2	-3.3	-20.5	-18.6	086	3.5	6.9
350	8596	8642	8532	-17.4	-8.9	-29.7	-25.2	084	4.8	7.6
300	9739	9803	9651	-25.2	-17.7	-37.3	-32.9	087	6.9	8.8
250	11038	11119	10934	-35.0	-26.9	-51.7	-41.8	086	9.8	11.1
200	12556	12660	12421	-47.6	-37.5	-61.7		084	13.0	14.2
175	13418	13524	13269	-55.3	-42.9	-70.3		081	15.1	16.4
150	14381	14582	14220	-63.9	-47.1	-79.7		079	16.7	18.2
125	15484	15702	15307	-72.1	-54.3	-84.1		078	19.1	20.8
100	16783	17173	16575	-77.6	-62.1	-89.7		077	23.9	25.2
80	18068	18473	17901	-74.9	-59.1	-84.1		083	24.2	25.0
70	18855	19275	18709	-70.9	-55.9	-82.3		089	23.3	24.0
60	19785	20226	19681	-65.8	-52.1	-77.1				
50	20905	21363	20777	-60.8	-47.9	-73.9				
40	22288	22600	22183	-57.1	-46.5	-68.5				
30										
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
518	5550	5950	4740				101	16830	-78.2

NORMALS OF RADIOSONDE DATA

MONTH : AUGUST TIME : 1730 IST STATION : RANCHI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	932	936	928	26.5	32.4	17.0	23.5	152	0.4	2.3
1000	8	21	0							
950	450	482	420							
925	685	701	674	26.0	30.2	22.6	22.5	182	0.8	3.6
900	935	953	920	24.3	30.0	18.2	21.0	192	0.9	5.6
850	1434	1453	1418	21.2	34.0	15.4	18.0	195	0.6	6.1
800	1957	1977	1940	18.3	34.4	12.0	15.0	174	0.5	6.3
750	2507	2522	2490	15.3	32.8	6.6	11.8	157	0.7	6.3
700	3091	3112	3073	12.4	29.6	3.8	8.0	133	0.8	6.2
650	3709	3729	3689	9.3	24.8	1.0	4.0	114	1.1	6.3
600	4370	4399	4344	6.0	20.0	-1.9	-0.1	100	1.4	6.2
550	5086	5117	5053	2.3	15.0	-5.1	-4.3	094	1.8	6.3
500	5843	5880	5809	-1.8	6.0	-10.3	-8.7	085	2.3	6.3
450	6678	6716	6636	-6.3	3.4	-15.9	-14.0	081	3.2	6.6
400	7588	7644	7537	-11.6	-4.5	-23.3	-20.3	085	4.0	6.9
350	8597	8653	8535	-18.0	-8.9	-31.9	-26.6	082	5.0	7.6
300	9734	9814	9644	-25.9	-17.3	-39.3	-34.1	084	6.4	8.3
250	11030	11122	10916	-35.8	-27.3	-46.3	-43.3	086	9.0	10.7
200	12540	12659	12385	-48.5	-37.7	-62.1		082	11.7	13.1
175	13403	13532	13223	-56.2	-46.9	-72.1		080	13.5	15.1
150	14367	14508	14153	-64.4	-52.9	-79.9		079	15.1	16.9
125	15456	15648	15208	-73.0	-60.3	-86.3		077	17.0	18.8
100	16737	16958	16472	-78.4	-66.3	-87.7		079	20.4	21.4
80	18012	18220	17729	-75.1	-61.9	-88.3		088	20.2	21.1
70	18801	19113	18501	-70.7	-56.5	-82.5		090	19.1	20.0
60	19718	20077	19387	-65.4	-52.3	-81.9				
50	20847	21234	20508	-60.7	-49.5	-78.9				
40	22240	22429	21879	-57.4	-48.7	-75.1				
30										
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
521	5520	5880	5080				102	16640	-79.6

NORMALS OF RADIOSONDE DATA

MONTH : SEPTEMBER TIME : 1730 IST STATION : RANCHI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	936	939	931	26.2	33.4	20.0	22.5	136	0.3	1.9
1000	36	53	2							
950	482	500	441							
925	715	728	690	25.5	29.8	20.4	21.4	276	0.2	3.2
900	967	988	933	24.0	29.6	14.8	19.2	156	0.5	5.0
850	1464	1488	1431	20.8	31.0	14.4	16.2	173	0.2	5.6
800	1986	2010	1954	17.7	23.6	11.6	13.2	264	0.3	5.6
750	2530	2554	2504	14.5	22.0	9.0	9.3	261	0.6	5.7
700	3115	3136	3085	11.3	17.4	4.0	5.3	245	0.7	5.7
650	3728	3743	3704	8.1	18.0	0.4	1.2	240	0.6	5.7
600	4388	4407	4358	4.8	12.0	-1.9	-2.3	208	0.7	5.8
550	5102	5132	5067	1.2	9.4	-5.5	-6.5	212	0.8	5.6
500	5854	5878	5823	-2.9	6.0	-9.3	-11.0	219	0.8	5.7
450	6685	6717	6644	-7.5	0.6	-13.9	-16.3	215	0.7	5.8
400	7591	7635	7541	-13.0	-4.9	-21.1	-22.2	219	0.7	6.0
350	8594	8660	8534	-19.4	-10.5	-29.1	-28.5	196	0.6	6.1
300	9728	9798	9649	-27.3	-18.3	-34.7	-35.5	159	0.8	6.7
250	11016	11103	10906	-37.4	-29.5	-46.9		130	2.0	7.7
200	12516	12608	12374	-50.0	-41.3	-59.9		118	2.8	9.0
175	13374	13496	13212	-57.5	-48.7	-67.9		104	3.7	9.1
150	14326	14481	14145	-65.8	-54.9	-75.5		096	4.8	9.9
125	15408	15588	15206	-73.7	-63.5	-86.3		088	7.1	11.1
100	16690	16925	16472	-78.4	-69.3	-90.5		089	10.2	12.6
80	17976	18387	17728	-74.3	-63.5	-87.0				
70	18772	19191	18490	-70.0	-56.7	-87.5				
60	19692	20096	19389	-65.2	-54.3	-79.5				
50	20833	21214	20490	-60.2	-45.1	-70.5				
40	22237	22635	21850	-56.7	-45.7	-65.1				
30										
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
536	5310	5910	4990				103	16590	-79.7

NORMALS OF RADIOSONDE DATA

MONTH : OCTOBER TIME : 1730 IST STATION : RANCHI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	941	944	935	25.3	32.6	17.4	18.1	349	0.5	1.3
1000	86	112	52							
950	527	562	491							
925	760	790	739	24.4	31.0	18.0	17.1	009	1.3	3.1
900	1012	1035	982	22.6	31.2	13.4	13.3	351	1.8	4.1
850	1506	1531	1479	18.9	29.2	10.0	10.3	339	2.2	4.4
800	2024	2049	1998	15.2	27.0	8.0	6.8	320	2.4	4.9
750	2560	2587	2542	11.8	22.6	4.4	2.7	303	2.7	5.3
700	3141	3161	3119	8.8	19.0	2.2	-1.2	292	3.2	5.6
650	3748	3767	3731	5.7	17.4	-1.5	-4.3	281	4.1	6.3
600	4401	4423	4381	2.5	11.2	-4.5	-8.2	274	5.3	7.3
550	5109	5152	5079	-1.1	7.2	-9.7	-12.0	274	6.3	8.2
500	5854	5882	5827	-5.3	2.2	-14.5	-15.3	270	7.4	9.2
450	6679	6722	6639	-10.1	-0.9	-20.5	-19.6	266	8.6	10.4
400	7574	7621	7522	-15.8	-7.5	-24.9	-25.4	263	10.3	12.0
350	8567	8623	8501	-22.5	-13.3	-30.9	-31.4	258	12.0	13.8
300	9683	9743	9597	-30.4	-20.9	-39.9		254	13.5	15.3
250	10955	11031	10843	-40.3	-28.7	-49.9		253	14.2	16.2
200	12438	12540	12299	-52.4	-39.5	-64.3		248	14.8	17.3
175	13288	13412	13126	-59.5	-45.1	-74.1		248	13.3	16.2
150	14237	14379	14063	-66.7	-51.1	-78.9		248	12.6	15.2
125	15315	15516	15120	-73.7	-57.1	-86.5		244	9.8	12.7
100	16606	16918	16376	-77.9	-64.5	-89.9		250	6.2	9.8
80	17892	18264	17681	-74.5	-57.7	-86.1				
70	18682	19090	18446	-70.4	-53.1	-84.1				
60	19598	19891	19354	-65.8	-47.1	-78.3				
50	20709	21161	20451	-61.7	-50.1	-73.3				
40	22108	22599	21803	-58.1	-46.7	-67.7				
30										
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
565	4890	5250	4310				104	16380	-79.3

NORMALS OF RADIOSONDE DATA

MONTH : NOVEMBER TIME : 1730 IST STATION : RANCHI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	944	947	938	22.4	28.0	14.0	13.1	336	0.8	1.3
1000	116	138	90							
950	555	577	520							
925	786	806	769	21.5	28.6	11.0	11.6	347	1.8	3.4
900	1032	1050	1005	19.6	29.2	11.4	7.9	343	2.7	4.2
850	1520	1540	1492	15.7	25.0	9.0	4.9	326	2.9	4.4
800	2032	2054	2001	12.1	21.0	4.2	1.3	307	3.4	5.0
750	2566	2596	2537	9.4	16.2	2.0	-2.9	299	4.6	6.1
700	3138	3163	3105	6.9	16.0	-0.3	-6.6	294	6.3	7.7
650	3742	3782	3710	4.3	12.2	-4.9	-9.7	287	7.8	9.2
600	4391	4424	4355	1.1	13.2	-9.1	-13.1	285	9.3	10.9
550	5092	5142	5047	-2.9	5.8	-13.1	-15.0	282	11.1	12.6
500	5835	5886	5789	-7.5	0.4	-16.1		278	13.2	14.7
450	6650	6740	6595	-12.7	-4.1	-21.7		277	15.4	16.9
400	7537	7629	7472	-18.7	-8.9	-28.9		274	18.2	20.0
350	8519	8633	8444	-25.4	-14.1	-35.9		272	21.4	23.3
300	9624	9762	9538	-33.1	-23.1	-47.3		267	25.4	27.1
250	10881	11060	10778	-42.4	-31.5	-62.1		265	27.7	29.8
200	12356	12560	12228	-53.8	-41.9	-76.5		261	28.5	31.0
175	13202	13419	13061	-60.1	-45.9	-78.1		262	26.9	29.3
150	14142	14369	13987	-66.7	-54.7	-78.7		260	24.8	27.3
125	15221	15659	15038	-72.4	-59.3	-83.1		261	21.5	23.6
100	16508	16998	16304	-76.4	-54.5	-85.5				
80	17792	18109	17532	-75.2	-57.1	-86.3				
70	18578	18967	18287	-71.9	-55.5	-83.1				
60	19496	19867	19219	-66.8	-52.5	-79.9				
50	20611	21018	20342	-62.0	-49.7	-73.5				
40	22006	22449	21736	-58.8	-49.9	-72.1				
30										
25										
20										
15										
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FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
587	4580	5480	4040				103	16360	-78.0

NORMALS OF RADIOSONDE DATA

MONTH : DECEMBER TIME : 1730 IST STATION : RANCHI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	945	950	940	19.3	24.0	9.6	9.7	325	1.1	1.5
1000	136	159	36							
950	569	598	520							
925	797	816	782	18.3	23.2	11.0	7.4	331	2.9	3.8
900	1042	1060	948	16.3	24.6	7.4	3.9	322	3.4	4.4
850	1524	1538	1438	12.7	24.4	4.8	0.5	306	4.2	5.1
800	2031	2047	1998	10.1	20.0	1.8	-3.7	300	5.8	6.7
750	2563	2583	2532	8.3	20.6	-0.5	-6.4	296	7.4	8.6
700	3133	3160	3098	6.2	18.0	-2.7	-9.8	293	9.2	10.3
650	3735	3757	3695	3.3	14.6	-8.1	-13.1	290	10.7	11.8
600	4381	4434	4358	-0.3	11.2	-11.1		285	12.3	13.7
550	5077	5124	5040	-4.4	6.8	-14.1		283	14.2	15.6
500	5815	5874	5778	-9.3	2.0	-18.5		281	17.0	18.4
450	6621	6673	6573	-14.7	-3.9	-24.1		276	20.4	22.1
400	7502	7575	7439	-20.7	-9.1	-32.1		274	23.4	25.1
350	8476	8555	8393	-27.5	-12.5	-41.1		270	26.6	28.7
300	9570	9657	9458	-35.5	-21.5	-50.3		269	30.4	32.6
250	10816	10911	10681	-44.6	-29.5	-57.9		265	33.9	36.3
200	12274	12360	12099	-55.3	-39.3	-65.5		260	36.4	38.5
175	13114	13206	12917	-60.9	-46.1	-70.1		259	34.7	36.4
150	14060	14167	13839	-66.2	-53.3	-75.0				
125	15152	15297	14948	-71.4	-59.5	-82.0				
100	16456	16686	16222	-75.7	-65.1	-84.3				
80	17741	17975	17498	-76.1	-63.3	-83.5				
70	18524	18765	18245	-73.7	-59.1	-84.1				
60	19427	19677	19138	-70.1	-54.3	-80.1				
50	20519	20878	20056	-65.4	-55.5	-74.9				
40										
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FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
609	4270	4820	3730				099	16540	-77.4

NORMALS OF RADIOSONDE DATA

MONTH : JANUARY TIME : 1730 IST STATION : SILIGURI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	999	1001	998	20.4	25.6	13.0	12.0	235	0.6	1.0
1000	109	125	95	20.3	24.6	13.0	11.4	230	0.7	1.1
950	525	552	481	17.1	26.2	7.0	8.5	235	1.7	2.6
925	757	778	713	15.0	25.0	7.2	7.1	235	1.3	2.3
900	1007	1022	996	13.4	26.0	5.8	5.4	234	1.2	2.3
850	1485	1499	1475	9.8	21.8	3.0	2.0	223	0.5	2.4
800	1985	2003	1973	6.5	16.8	-0.7	-1.5	292	0.1	2.8
750	2512	2526	2492	3.2	15.4	-4.1	-4.8	299	1.6	3.9
700	3067	3087	3048	0.5	15.8	-7.7	-9.1	290	5.4	6.9
650	3658	3676	3633	-1.9	13.0	-13.1	-14.0	286	9.8	11.1
600	4293	4325	4265	-4.6	7.6	-15.7	-17.9	284	14.1	14.9
550	4980	5019	4936	-8.4	2.8	-21.3	-21.4	284	16.8	17.6
500	5707	5739	5669	-13.0	-1.1	-25.9	-24.9	283	19.7	20.9
450	6504	6549	6453	-18.3	-3.1	-31.1	-29.6	281	21.8	23.6
400	7371	7432	7313	-24.4	-8.9	-37.5	-34.0	280	25.3	27.4
350	8332	8420	8261	-30.8	-17.7	-43.9		275	28.7	31.6
300	9410	9517	9328	-37.6	-22.9	-49.3		277	30.6	34.2
250	10647	10786	10521	-45.1	-33.3	-58.1		275	33.2	37.4
200	12118	12304	11942	-53.4	-42.3	-66.9		274	34.2	38.3
175	12978	13162	12765	-57.9	-47.7	-70.1		272	31.9	36.4
150	13938	14133	13688	-62.7	-50.9	-78.5		274	26.3	30.6
125	15059	15251	14894	-67.5	-58.5	-78.7		277	25.9	28.6
100	16383	16565	16226	-71.9	-62.3	-84.3		273	20.7	22.0
80	17707	17874	17539	-72.5	-60.7	-82.9		275	17.0	18.4
70	18495	18663	18335	-70.8	-58.9	-83.5		277	13.1	15.8
60	19402	19575	19236	-67.6	-54.9	-83.7		280	12.0	14.9
50	20514	20711	20330	-64.3	-51.5	-75.9		280	10.0	12.9
40	21886	22120	21654	-61.0	-48.1	-69.9		273	5.0	12.7
30	23688	23969	23414	-57.6	-43.9	-65.7				
25	24824	25142	24520	-56.0	-45.1	-63.9				
20	26241	26518	25946	-54.7	-48.1	-61.7				
15										
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FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
686	3250	3750	2800	204	12200	-57.7	093	16910	-74.5

NORMALS OF RADIOSONDE DATA

MONTH : FEBRUARY TIME : 1730 IST STATION : SILIGURI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	997	999	996	23.2	29.8	15.8	10.8	238	0.7	1.3
1000	89	107	76	22.7	28.0	15.4	12.8	229	0.6	1.4
950	514	542	483	19.5	31.4	12.2	9.3	236	2.0	3.4
925	747	771	723	17.1	26.2	10.6	8.1	235	1.9	3.3
900	992	1014	967	15.5	25.8	8.6	7.0	240	2.2	3.4
850	1473	1497	1444	11.6	21.0	5.0	4.1	252	2.3	3.7
800	1977	2007	1943	8.0	17.2	1.2	0.9	266	2.9	4.3
750	2506	2538	2472	4.7	11.0	-2.1	-2.3	276	4.9	6.0
700	3065	3103	3021	1.7	14.0	-5.7	-7.1	278	7.8	9.2
650	3658	3708	3602	-1.5	10.0	-11.1	-12.5	281	11.1	12.3
600	4292	4346	4234	-4.8	5.8	-15.3	-16.9	281	14.1	15.0
550	4980	5037	4916	-8.8	3.2	-19.5	-21.0	282	16.9	17.7
500	5704	5768	5634	-13.6	-0.5	-26.7	-24.0	281	19.7	20.8
450	6501	6576	6422	-19.0	-3.3	-31.9	-28.9	280	23.2	24.5
400	7365	7432	7274	-24.9	-12.3	-35.5	-33.0	280	27.4	29.2
350	8325	8392	8192	-31.1	-16.9	-42.5		278	31.6	33.7
300	9402	9471	9299	-37.5	-25.1	-49.7		275	35.4	37.9
250	10642	10719	10532	-44.3	-32.3	-60.1		272	38.8	42.1
200	12118	12204	12010	-52.4	-40.7	-66.7		271	41.2	44.7
175	12978	13070	12870	-56.6	-43.7	-66.5		271	40.0	43.4
150	13944	14055	13831	-61.5	-50.3	-71.1		273	35.9	38.0
125	15060	15171	14926	-66.7	-56.5	-76.7		278	33.6	36.0
100	16383	16501	16242	-72.2	-62.3	-85.5				
80	17680	17804	17529	-73.9	-62.3	-86.7				
70	18403	18592	18301	-72.1	-60.1	-81.7				
60	19378	19523	19191	-67.9	-56.3	-82.3				
50	20487	20607	20314	-63.2	-51.7	-70.5				
40	21871	22047	21460	-59.4	-45.9	-67.9				
30	23716	23897	23438	-56.4	-43.3	-64.9				
25	24872	25081	24621	-55.1	-42.3	-63.3				
20										
15										
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7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
671	3440	4110	2840	213	11850	-58.0	093	16830	-74.2

NORMALS OF RADIOSONDE DATA

MONTH : MARCH TIME : 1730 IST STATION : SILIGURI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	993	995	989	27.6	34.4	18.8	12.8	239	0.5	1.6
1000	53	78	19							
950	480	522	437	23.4	31.8	12.6	11.2	219	1.3	3.8
925	713	752	684	21.5	30.0	12.0	9.5	235	1.8	3.5
900	970	990	943	19.5	28.2	8.4	8.9	243	2.0	3.7
850	1458	1477	1434	15.4	24.8	4.4	6.8	255	3.2	4.3
800	1968	1986	1947	11.7	25.2	0.0	4.3	260	4.1	5.1
750	2501	2523	2477	7.9	16.4	-3.5	0.9	272	5.9	6.7
700	3069	3088	3052	4.4	13.6	-7.5	-3.4	280	8.4	9.3
650	3662	3689	3618	0.9	10.0	-11.9	-8.2	282	11.6	12.4
600	4308	4332	4277	-2.7	7.0	-16.3	-13.4	281	15.0	15.7
550	4997	5037	4953	-6.5	2.8	-20.9	-18.3	283	17.3	18.1
500	5733	5763	5683	-11.3	0.0	-25.7	-23.1	283	18.9	19.8
450	6533	6581	6475	-16.9	-6.5	-30.5	-27.8	283	20.7	21.9
400	7406	7446	7348	-23.2	-10.7	-35.3	-32.6	282	23.3	24.8
350	8372	8419	8318	-30.0	-14.7	-41.1	-38.7	281	27.4	29.3
300	9453	9508	9411	-37.3	-22.5	-52.3		279	29.8	32.3
250	10691	10751	10630	-45.1	-30.7	-58.5		275	33.0	35.7
200	12158	12235	12067	-52.9	-36.9	-66.3		271	33.1	35.2
175	13014	13095	12891	-56.9	-44.3	-66.1		272	30.9	32.6
150	13980	14063	13801	-61.9	-52.7	-73.9		273	28.0	29.3
125	15088	15181	14903	-66.9	-54.1	-82.1		269	25.6	26.6
100	16424	16520	16238	-71.8	-58.1	-89.9		271	21.5	22.8
80	17739	17845	17608	-73.6	-61.9	-92.1		275	17.5	20.0
70	18532	18679	18444	-71.6	-56.9	-87.7		278	12.2	16.0
60	19446	19597	19349	-67.7	-56.7	-81.5		270	10.0	14.8
50	20546	20673	20423	-63.1	-50.9	-78.9		273	8.2	13.1
40	21928	22075	21794	-59.9	-51.3	-76.7		266	8.1	13.2
30	23724	23955	23568	-56.9	-47.5	-76.3				
25	24870	25085	24748	-54.8	-45.1	-75.1				
20	26332	26881	25968	-52.8	-44.1	-74.3				
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
636	3860	4230	3380	207	11980	-58.0	096	16740	-74.2

NORMALS OF RADIOSONDE DATA

MONTH : APRIL TIME : 1730 IST STATION : SILIGURI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	990	994	987	30.0	37.4	19.4	18.5	100	0.5	1.8
1000	29	60	3							
950	462	507	422	26.2	34.0	15.6	16.2	113	1.2	3.8
925	706	737	680	24.5	32.0	13.8	14.3	179	0.9	3.9
900	955	982	932	22.6	32.4	11.6	13.9	189	0.7	4.0
850	1450	1474	1424	19.0	30.0	9.2	10.9	248	2.4	4.9
800	1966	1992	1936	15.4	27.2	6.4	7.6	258	4.4	6.0
750	2505	2537	2474	11.7	22.2	3.0	3.8	269	6.8	7.8
700	3082	3112	3051	7.9	18.0	0.4	-0.6	276	8.2	9.0
650	3683	3722	3640	4.0	14.4	-4.1	-5.0	281	9.4	10.2
600	4334	4369	4301	-0.1	10.0	-9.1	-10.1	282	11.8	12.4
550	5029	5061	4998	-4.4	5.6	-14.9	-15.7	281	13.7	14.4
500	5770	5808	5741	-9.1	2.6	-20.7	-21.5	282	14.6	15.6
450	6578	6618	6547	-14.7	-0.7	-24.9	-25.2	284	15.5	16.9
400	7459	7511	7425	-21.0	-3.3	-32.5	-30.1	284	17.0	18.7
350	8434	8515	8374	-28.0	-14.7	-40.9	-36.4	283	18.4	20.1
300	9524	9624	9458	-35.8	-23.3	-53.7		280	20.1	22.6
250	10772	10909	10683	-44.0	-31.7	-55.9		274	23.7	26.2
200	12242	12424	12128	-52.4	-39.5	-65.7		271	25.8	27.4
175	13094	13307	12973	-56.5	-44.5	-69.3		271	25.4	26.7
150	14063	14295	13951	-61.0	-49.5	-73.5		274	24.7	26.0
125	15178	15401	15091	-66.5	-55.1	-79.3		272	19.0	20.2
100	16514	16730	16356	-71.5	-59.1	-87.1		273	13.7	15.6
80	17823	18017	17648	-74.0	-61.1	-87.9		280	4.9	9.4
70	18612	18808	18455	-72.1	-59.1	-92.9		259	1.7	8.5
60	19525	19797	19252	-68.1	-56.1	-88.7		278	1.8	7.5
50	20642	21019	20319	-63.3	-50.1	-85.3		242	0.9	6.8
40	22024	22304	21698	-58.5	-46.1	-75.1		219	1.8	8.2
30	23850	24187	23434	-54.0	-42.1	-68.3		273	5.0	7.8
25	25025	25380	24563	-51.3	-39.3	-67.9		261	3.7	7.4
20	26494	26808	26030	-49.3	-37.7	-67.1		287	6.2	8.0
15	28327	28609	27709	-47.7	-38.7	-65.9				
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
599	4350	4820	3900	204	12100	-56.7	093	17010	-74.6

NORMALS OF RADIOSONDE DATA

MONTH : MAY TIME : 1730 IST STATION : SILIGURI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	988	991	987	30.2	36.4	21.2	22.8	092	0.9	1.4
1000	10	32	0							
950	449	473	425	26.9	33.4	16.8	20.2	102	2.2	3.3
925	686	710	664	24.7	31.4	15.4	19.3	105	1.7	3.0
900	939	957	907	23.3	34.0	13.8	17.9	112	1.6	3.1
850	1435	1452	1407	20.0	32.6	12.2	15.1	159	0.7	3.5
800	1956	1976	1930	16.9	29.8	9.6	11.6	256	2.1	4.7
750	2503	2528	2481	13.6	27.0	5.0	7.5	270	4.1	6.1
700	3080	3109	3062	10.1	24.6	1.2	3.0	274	5.6	7.3
650	3691	3726	3670	6.3	18.0	-2.3	-1.5	281	6.9	8.2
600	4344	4381	4316	2.4	14.4	-5.1	-5.6	284	7.4	8.8
550	5049	5086	5024	-1.5	10.0	-10.5	-10.6	283	8.9	9.9
500	5795	5841	5761	-5.9	4.2	-15.3	-16.1	282	9.7	10.8
450	6616	6663	6585	-10.8	-0.7	-20.5	-21.4	282	10.8	12.2
400	7508	7561	7468	-16.6	-6.3	-30.7	-27.2	281	12.0	13.7
350	8498	8557	8458	-23.0	-11.7	-33.1	-32.8	276	13.3	15.6
300	9612	9686	9567	-30.7	-19.7	-44.9	-40.1	272	15.7	18.0
250	10881	10972	10817	-39.8	-29.1	-55.5		268	18.2	20.3
200	12375	12484	12300	-50.5	-40.3	-64.1		264	18.9	21.2
175	13238	13362	13096	-56.2	-45.1	-72.7		263	18.0	20.2
150	14207	14359	14066	-62.5	-53.1	-80.7		265	16.5	18.5
125	15320	15493	15122	-68.8	-56.9	-89.3		270	13.4	15.9
100	16641	16820	16391	-74.8	-61.5	-87.1		269	8.1	11.8
80	17927	18151	17589	-76.2	-63.3	-89.1		243	1.2	7.7
70	18724	18974	18480	-73.8	-54.9	-87.5		131	1.1	6.9
60	19619	19889	19379	-69.5	-52.7	-82.7		134	2.6	6.9
50	20730	21053	20450	-63.2	-42.3	-79.9		093	2.5	6.4
40	22136	22510	21775	-57.9	-42.5	-71.5		096	4.1	5.6
30	23939	24396	23574	-53.9	-40.9	-69.7		102	2.4	5.5
25	25107	25639	24703	-51.6	-38.3	-70.1		101	3.4	5.5
20	26552	27189	26042	-49.3	-38.9	-71.1		077	3.5	6.2
15	28455	28884	27970	-46.2	-37.1	-54.1				
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
570	4770	5160	4440				096	17180	-77.2

NORMALS OF RADIOSONDE DATA

MONTH : JUNE TIME : 1730 IST STATION : SILIGURI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	985	986	983	30.1	37.0	23.8	25.1	076	0.8	1.3
1000	17	36	8							
950	421	442	380	27.5	39.0	18.6	23.0	092	2.3	3.3
925	667	679	635	25.3	32.4	17.6	21.4	097	2.4	3.3
900	914	926	893	24.5	33.4	15.6	20.7	106	2.5	3.7
850	1413	1428	1390	21.6	31.0	13.4	18.0	120	2.1	4.2
800	1937	1958	1916	18.7	29.6	11.2	15.0	134	1.5	4.9
750	2493	2526	2469	15.8	26.2	8.2	11.7	182	0.9	5.4
700	3071	3107	3047	12.6	22.6	5.6	8.1	240	0.9	5.6
650	3691	3729	3661	9.3	20.2	2.0	4.2	271	1.2	5.8
600	4349	4402	4326	5.9	16.0	-3.7	-0.3	275	2.0	5.9
550	5065	5129	5024	2.2	11.8	-6.5	-4.7	275	2.7	6.5
500	5820	5885	5786	-1.8	7.2	-10.9	-9.6	266	3.6	7.1
450	6658	6735	6606	-6.3	3.2	-18.9	-14.3	270	4.2	7.7
400	7563	7635	7519	-11.4	-2.9	-20.9	-19.7	266	4.9	8.0
350	8574	8651	8505	-17.7	-7.3	-25.1	-25.7	266	5.3	8.4
300	9714	9806	9654	-25.4	-14.5	-33.3	-33.3	265	5.8	9.2
250	11010	11112	10939	-35.3	-26.3	-46.5	-42.4	265	6.1	9.4
200	12524	12640	12445	-47.6	-36.9	-58.7		268	5.8	9.9
175	13389	13506	13309	-54.7	-43.9	-63.5		272	5.8	10.2
150	14356	14493	14271	-62.3	-51.1	-73.7		271	4.1	10.0
125	15457	15612	15327	-70.2	-59.1	-78.7		294	1.3	8.8
100	16752	16970	16529	-76.9	-68.1	-87.5		087	2.9	8.9
80	18029	18266	17804	-77.4	-60.3	-88.1		101	6.8	10.1
70	18811	19080	18597	-74.0	-59.9	-85.5		098	8.3	10.2
60	19717	19976	19504	-68.5	-51.1	-80.9		096	9.4	10.5
50	20823	21132	20696	-62.4	-48.1	-73.1		093	10.6	11.2
40	22213	22512	22090	-57.5	-43.9	-67.7		096	12.0	12.5
30	24025	24491	23660	-53.6	-43.1	-63.7		096	10.4	11.3
25	25203	25675	25092	-51.0	-39.7	-61.3		090	11.7	12.1
20	26687	27138	26552	-48.4	-36.7	-59.1				
15	28559	28894	28389	-46.4	-36.5	-54.5				
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
522	5490	5980	5090				095	17040	-78.2

NORMALS OF RADIOSONDE DATA

MONTH : JULY TIME : 1730 IST STATION : SILIGURI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	985	987	982	29.5	36.6	24.2	25.5	074	0.9	1.3
1000	18	29	3							
950	417	442	390	27.2	35.2	20.8	23.7	092	2.4	3.4
925	659	678	634	25.6	34.0	18.8	22.2	098	2.4	3.4
900	913	925	903	24.6	32.8	17.6	21.5	102	2.8	3.8
850	1412	1426	1399	21.8	30.8	12.0	18.9	112	3.0	4.4
800	1936	1954	1923	19.0	27.2	9.2	16.2	117	3.0	4.9
750	2492	2515	2466	16.2	24.6	5.6	13.0	120	2.7	5.3
700	3072	3100	3054	13.3	20.8	4.6	9.7	120	2.6	5.3
650	3694	3729	3663	10.3	21.0	2.0	6.1	116	2.4	5.4
600	4354	4393	4325	7.0	16.8	-1.7	2.3	123	2.0	5.3
550	5077	5121	5037	3.5	13.2	-5.9	-1.7	122	1.8	5.4
500	5833	5883	5794	-0.5	6.8	-9.7	-6.1	120	1.5	5.4
450	6679	6739	6623	-4.9	4.0	-14.5	-11.4	115	1.4	5.2
400	7586	7645	7525	-10.0	-0.9	-22.3	-17.0	102	1.3	4.8
350	8604	8668	8517	-16.3	-6.7	-29.3	-24.5	082	1.4	4.9
300	9750	9821	9639	-24.2	-15.5	-36.7	-32.7	075	2.1	5.5
250	11043	11129	10849	-34.3	-25.3	-47.1	-43.0	062	3.9	7.1
200	12579	12665	12393	-46.9	-38.3	-63.7		061	5.2	9.0
175	13451	13542	13231	-54.2	-43.7	-73.9		059	5.9	9.9
150	14415	14495	14162	-62.5	-50.9	-79.7		064	6.4	10.2
125	15525	15612	15203	-70.4	-59.1	-85.1		065	9.7	12.2
100	16838	16960	16558	-76.3	-60.1	-89.1		076	12.5	13.9
80	18124	18271	17935	-76.1	-61.9	-88.5		083	14.9	15.8
70	18916	19062	18683	-72.1	-53.9	-82.9		084	16.1	16.8
60	19817	19975	19579	-66.9	-49.9	-79.1		088	15.5	16.5
50	20935	21193	20700	-61.5	-45.7	-76.1		092	15.3	15.9
40	22328	22540	22101	-57.2	-40.1	-69.5				
30	24156	24449	23901	-53.5	-38.5	-64.1				
25	25327	25597	25071	-50.9	-39.1	-60.7				
20	26788	27192	26557	-48.9	-36.5	-56.5				
15	28683	29048	28273	-47.0	-33.5	-56.3				
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
508	5740	6170	5130				096	17090	-78.3

NORMALS OF RADIOSONDE DATA

MONTH : AUGUST TIME : 1730 IST STATION : SILIGURI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	987	988	985	30.0	35.8	22.8	24.9	081	0.5	1.0
1000	8	19	1							
950	430	462	393	27.4	37.6	20.8	23.4	098	1.7	3.0
925	675	698	640	25.6	33.8	18.8	21.7	098	1.9	3.1
900	926	947	907	24.4	36.0	17.6	20.9	110	2.0	3.5
850	1424	1454	1404	21.5	34.2	15.0	18.2	113	2.6	4.2
800	1948	1985	1924	18.6	30.8	12.2	15.3	115	2.9	4.9
750	2506	2547	2476	15.8	27.8	8.4	12.5	113	3.0	5.1
700	3082	3136	3052	12.9	24.8	5.8	8.9	111	2.9	5.3
650	3705	3762	3671	9.9	21.2	1.0	5.4	114	2.8	5.2
600	4364	4432	4323	6.6	17.2	-3.7	1.5	116	2.1	5.0
550	5085	5157	5035	3.0	12.8	-8.1	-2.5	114	1.5	4.8
500	5841	5918	5791	-0.9	8.0	-12.1	-7.0	115	1.5	4.8
450	6682	6758	6628	-5.4	4.0	-16.7	-12.0	113	1.4	4.5
400	7592	7667	7524	-10.6	-2.1	-21.9	-18.0	104	1.6	4.7
350	8608	8673	8539	-16.9	-9.5	-27.1	-25.0	084	1.8	4.7
300	9750	9832	9670	-24.8	-17.1	-37.5	-33.1	070	3.0	5.8
250	11053	11141	10954	-34.8	-26.1	-49.3	-42.5	064	3.9	7.0
200	12569	12661	12442	-47.7	-35.7	-61.3	-55.4	062	4.9	8.5
175	13439	13599	13283	-55.5	-45.1	-70.1		057	4.6	8.8
150	14403	14576	14256	-63.4	-52.5	-78.1		065	5.7	9.6
125	15501	15774	15317	-71.3	-58.1	-89.1		069	7.6	9.8
100	16802	17116	16609	-76.8	-61.3	-88.5		080	10.6	11.8
80	18084	18224	17862	-75.1	-57.5	-89.9		089	13.3	14.0
70	18881	19032	18632	-70.7	-51.1	-84.5		095	13.0	13.8
60	19789	19922	19517	-66.1	-49.7	-74.9		094	12.7	13.0
50	20897	21046	20602	-61.8	-44.1	-82.5		093	13.8	14.3
40	22288	22472	21994	-58.1	-46.1	-75.5		097	15.2	15.6
30	24109	24317	23828	-54.6	-44.1	-75.5		095	17.1	17.3
25	25253	25484	24932	-52.9	-41.5	-75.7		096	17.7	18.2
20	26728	26938	26457	-49.8	-37.1	-57.7				
15	28601	28807	28376	-48.2	-36.9	-55.5				
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
511	5660	5990	5300				099	16890	-77.7

NORMALS OF RADIOSONDE DATA

MONTH : SEPTEMBER TIME : 1730 IST STATION : SILIGURI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	990	991	989	29.1	35.4	21.4	25.0	096	0.6	1.1
1000	22	40	7							
950	456	482	429	26.6	35.8	16.6	22.3	106	1.6	3.0
925	697	718	669	24.7	32.4	15.4	20.3	106	1.6	2.9
900	952	967	940	23.6	33.2	13.8	19.9	113	1.9	3.5
850	1450	1597	1437	20.8	30.6	12.6	16.9	118	1.7	3.7
800	1971	1993	1958	17.9	27.8	7.2	14.0	122	1.7	4.2
750	2523	2546	2502	14.9	25.0	6.6	10.7	121	1.5	4.4
700	3101	3140	3081	11.9	22.8	5.0	7.0	126	1.2	4.5
650	3718	3750	3687	8.7	20.4	0.6	3.4	146	1.1	4.6
600	4376	4433	4349	5.3	16.6	-4.5	-0.8	220	0.8	5.1
550	5093	5150	5046	1.6	11.2	-8.7	-5.2	229	1.4	5.3
500	5846	5920	5808	-2.5	6.2	-9.9	-9.5	250	1.9	5.8
450	6682	6759	6622	-7.0	1.8	-13.5	-14.7	255	2.3	5.9
400	7585	7663	7534	-12.4	-3.7	-21.1	-20.0	259	2.7	6.0
350	8594	8667	8519	-18.9	-9.1	-29.9	-27.1	261	3.1	6.3
300	9726	9805	9661	-26.9	-16.5	-40.1	-35.4	263	3.6	7.6
250	11014	11096	10939	-37.1	-25.7	-52.1	-44.4	260	3.7	8.2
200	12521	12608	12404	-49.8	-40.1	-67.7		265	3.9	8.7
175	13374	13468	13245	-57.2	-47.5	-68.9		273	3.5	8.9
150	14332	14445	14110	-65.0	-55.7	-76.3		275	2.4	8.5
125	15422	15550	15182	-72.2	-51.3	-82.7		330	0.8	8.3
100	16715	16894	16479	-77.5	-67.7	-88.5		104	3.8	7.9
80	18000	18214	17789	-74.8	-60.7	-83.9		102	6.1	8.3
70	18787	19054	18635	-70.7	-55.1	-80.3		090	6.0	7.9
60	19710	19997	19473	-65.7	-49.9	-75.5		091	7.8	9.2
50	20832	21158	20685	-61.2	-44.3	-70.7		095	8.7	9.8
40	22215	22608	22055	-57.5	-44.9	-74.5		097	10.0	11.4
30	24056	24503	23884	-54.3	-46.1	-60.5		099	11.1	12.0
25	25240	25776	25037	-52.3	-43.5	-58.3				
20	26728	27239	26527	-50.2	-38.1	-56.1				
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
530	5380	5830	4940				102	16610	-78.2

NORMALS OF RADIOSONDE DATA

MONTH : OCTOBER TIME : 1730 IST STATION : SILIGURI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	994	998	992	28.4	33.0	21.2	21.9	209	0.1	0.7
1000	64	93	45							
950	490	543	469	25.4	36.2	17.4	18.1	208	0.8	2.2
925	729	774	702	23.5	30.8	15.8	16.8	209	0.8	1.9
900	989	1016	970	21.8	30.6	12.2	15.2	220	0.7	2.2
850	1481	1508	1463	18.4	27.8	9.0	11.7	215	0.4	2.5
800	1998	2023	1981	15.2	25.2	7.2	7.4	218	0.6	3.1
750	2540	2561	2519	11.8	26.2	4.6	3.4	245	0.5	3.4
700	3115	3133	3098	8.3	19.6	1.2	-0.4	283	1.2	4.1
650	3722	3745	3694	4.8	15.6	-2.9	-4.2	285	2.3	4.8
600	4372	4401	4349	1.1	9.8	-6.3	-8.0	276	4.9	6.8
550	5075	5107	5051	-2.6	6.6	-10.9	-12.3	271	7.7	9.0
500	5815	5847	5788	-6.8	1.6	-16.3	-15.9	269	10.0	11.1
450	6632	6676	6604	-11.7	-2.9	-22.3	-21.0	268	12.4	13.8
400	7524	7557	7489	-17.4	-7.9	-29.5	-27.0	266	14.3	15.9
350	8511	8563	8451	-23.9	-13.9	-37.7	-32.2	263	16.5	18.5
300	9622	9682	9546	-31.5	-21.1	-45.9		261	18.5	20.5
250	10887	10966	10785	-41.0	-26.1	-52.9		259	19.7	21.6
200	12371	12474	12238	-52.4	-41.1	-63.1		256	20.5	22.8
175	13216	13342	13079	-59.0	-46.5	-70.5		255	18.8	21.1
150	14160	14309	14025	-65.7	-54.1	-77.3		258	18.1	20.5
125	15245	15426	15129	-72.1	-60.7	-87.5		261	15.9	18.5
100	16542	16749	16449	-76.1	-61.5	-87.3		259	11.6	14.0
80	17828	18010	17705	-73.0	-60.5	-83.3		246	6.7	10.5
70	18632	18832	18523	-69.4	-56.7	-85.3		237	2.8	8.3
60	19545	19732	19447	-64.9	-52.5	-78.7		151	1.5	7.3
50	20657	20724	20569	-60.9	-47.9	-71.1		115	1.3	8.3
40	22050	22125	21954	-57.1	-42.9	-67.3		134	2.3	8.8
30	23869	24019	23784	-53.8	-40.7	-63.3				
25	25026	25193	24923	-51.9	-38.5	-62.1				
20	26453	26596	26289	-49.9	-33.1	-59.5				
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
585	4590	4940	4120				106	16250	-76.9

NORMALS OF RADIOSONDE DATA

MONTH : NOVEMBER TIME : 1730 IST STATION : SILIGURI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	997	1000	995	25.3	30.2	19.0	17.7	206	0.1	0.4
1000	93	117	80	24.8	28.4	17.6	16.1	231	0.2	0.4
950	520	549	482	22.1	31.6	13.0	12.7	218	0.8	2.0
925	759	781	718	20.2	29.4	12.6	10.7	216	0.7	1.8
900	1007	1030	996	18.3	29.2	9.2	9.5	226	0.8	2.2
850	1493	1515	1480	14.7	24.4	5.8	5.9	225	0.5	2.5
800	2001	2023	1984	11.3	26.4	3.6	1.7	226	0.4	3.1
750	2537	2561	2516	7.8	19.6	0.4	-1.5	290	0.9	3.6
700	3103	3126	3083	4.5	17.8	-2.1	-5.3	295	2.5	4.8
650	3702	3732	3678	1.4	14.4	-7.1	-10.1	287	5.5	7.2
600	4344	4380	4320	-1.8	8.2	-13.1	-14.4	285	8.8	10.1
550	5038	5079	4997	-5.4	5.6	-18.5	-18.9	283	11.7	12.8
500	5773	5822	5724	-10.2	0.0	-23.9	-23.2	282	14.6	15.9
450	6577	6633	6520	-15.5	-5.7	-28.3	-25.8	281	16.9	18.4
400	7457	7521	7379	-21.5	-11.5	-33.9	-30.2	278	20.1	21.8
350	8429	8494	8338	-28.4	-16.7	-41.5		275	23.8	25.4
300	9520	9604	9405	-35.7	-25.5	-49.9		273	27.0	29.0
250	10767	10862	10637	-44.4	-34.5	-56.7		270	28.6	30.6
200	12225	12327	12076	-54.8	-43.5	-67.7		266	30.0	32.1
175	13068	13192	12858	-60.5	-47.9	-73.1		267	29.6	31.6
150	14016	14196	13748	-66.1	-53.3	-78.1		269	29.1	30.7
125	15109	15301	14836	-70.9	-60.3	-84.9		269	24.9	26.5
100	16428	16768	16034	-74.9	-65.1	-89.7		268	20.3	22.0
80	17715	18087	17460	-74.9	-58.1	-86.1		267	13.5	17.6
70	18501	18878	18249	-72.4	-56.1	-85.3		267	11.0	16.2
60	19401	19788	19205	-68.6	-55.1	-79.9		276	10.6	15.3
50	20499	20822	20261	-64.1	-51.7	-77.3		278	9.9	14.7
40	21863	22234	21580	-60.2	-50.7	-68.7		289	6.4	13.3
30	23674	23994	23346	-57.2	-45.9	-63.7		270	9.8	14.3
25	24798	25117	24535	-57.0	-47.1	-64.3		280	9.4	14.4
20	26224	26643	25769	-55.9	-45.5	-63.1				
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
630	3970	4560	3350				101	16440	-76.3

NORMALS OF RADIOSONDE DATA

MONTH : DECEMBER TIME : 1730 IST STATION : SILIGURI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1000	1007	998	21.8	26.4	14.6	13.9	233	0.2	0.5
1000	115	179	96	21.7	26.4	14.8	13.3	227	0.3	0.7
950	537	565	514	18.9	41.8	8.4	9.0	231	1.1	2.1
925	772	791	734	16.8	38.6	7.4	6.9	244	1.0	2.0
900	1018	1075	997	15.2	35.6	6.4	6.0	236	0.8	2.0
850	1499	1554	1476	11.7	31.0	3.0	2.4	170	0.3	2.2
800	2002	2054	1978	8.3	25.4	0.0	-1.5	110	0.5	2.9
750	2533	2589	2505	5.2	21.8	-4.3	-5.1	331	0.6	3.6
700	3092	3142	3063	2.4	16.8	-8.3	-8.9	295	2.7	5.4
650	3689	3718	3658	0.0	18.0	-13.7	-13.9	287	6.9	8.8
600	4327	4364	4297	-2.6	14.4	-15.1	-18.2	286	10.7	12.0
550	5018	5056	4970	-6.7	6.0	-19.9	-21.2	285	13.9	15.2
500	5748	5779	5707	-11.7	1.8	-26.1	-23.8	287	16.8	18.0
450	6547	6586	6487	-17.3	-3.1	-31.3	-28.2	287	19.7	21.1
400	7424	7464	7392	-23.8	-9.9	-36.3		286	22.4	24.2
350	8386	8444	8296	-30.8	-20.1	-43.1		284	26.1	28.3
300	9461	9511	9375	-38.4	-24.7	-51.7		282	30.1	32.3
250	10697	10749	10569	-46.7	-32.5	-61.9		281	33.3	35.5
200	12147	12238	11954	-55.8	-44.5	-69.3		277	36.7	38.7
175	12994	13069	12894	-60.1	-45.3	-75.5		276	34.8	36.3
150	13940	14023	13800	-64.7	-50.3	-77.3		278	34.0	35.0
125	15044	15139	14957	-69.2	-55.9	-80.7		278	31.0	32.2
100	16373	16499	16272	-72.8	-57.7	-83.5		281	24.9	26.3
80	17680	17811	17528	-73.0	-58.3	-85.5		282	20.2	21.8
70	18471	18615	18268	-70.9	-61.7	-84.1		283	17.5	20.4
60	19383	19537	19137	-67.9	-58.3	-77.9		286	14.4	18.9
50	20493	20662	20395	-64.2	-52.1	-74.9		291	7.7	17.5
40	21869	22102	21660	-61.4	-48.9	-74.9		286	7.8	12.8
30	23676	23957	23512	-58.8	-45.7	-69.3				
25	24799	25104	24499	-57.6	-43.5	-69.1				
20										
15										
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FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
651	3700	4100	2990	181	12820	-62.6	103	16310	-74.2

NORMALS OF RADIOSONDE DATA

MONTH : JANUARY TIME : 1730 IST STATION : SRINAGAR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	844	847	841	4.9	16.0	-7.5	0.2	307	0.1	0.4
1000	180	236	143							
950	572	633	542							
925	793	822	765							
900	1058	1103	1028							
850	1527	1564	1501							
800	2018	2051	1996	1.8	11.4	-14.3	-3.6	333	0.0	1.9
750	2525	2574	2497	-1.1	10.8	-12.1	-7.1	135	1.0	2.2
700	3083	3118	3056	-3.7	8.4	-13.0	-11.0	145	2.2	3.4
650	3660	3703	3628	-7.0	7.2	-16.0	-14.9	156	3.9	5.3
600	4287	4325	4252	-11.3	1.2	-21.0	-18.7	173	4.9	6.7
550	4955	5004	4900	-16.1	-3.7	-26.0	-22.9	203	5.6	8.2
500	5660	5705	5610	-21.1	-7.5	-32.5	-27.6	230	7.9	11.0
450	6430	6487	6366	-26.6	-12.5	-38.5	-32.6	247	11.2	14.3
400	7271	7338	7197	-32.6	-17.5	-45.7	-38.5	255	15.0	18.3
350	8199	8280	8118	-39.3	-23.7	-53.1	-44.9	262	19.4	22.8
300	9241	9358	9127	-46.5	-30.3	-61.0	-51.8	265	24.4	27.8
250	10434	10582	10294	-52.6	-35.9	-68.0		267	28.9	32.6
200	11854	12031	11551	-55.9	-43.5	-70.1		268	34.1	37.4
175	12700	12906	12275	-56.4	-46.1	-70.0		268	31.9	35.1
150	13668	13891	13225	-58.1	-48.0	-72.0		275	34.2	36.8
125	14819	15194	14603	-60.0	-51.3	-72.0				
100	16204	16585	16014	-62.4	-54.0	-76.0				
80	17572	17856	17321	-62.9	-53.3	-73.0				
70	18406	18730	18132	-62.8	-54.1	-75.0				
60	19341	19651	19042	-61.9	-51.3	-75.0				
50	20461	20796	20068	-60.0	-46.1	-73.0				
40	21887	22213	21336	-58.2	-41.5	-73.0				
30										
25										
20										
15										
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7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
759	2430	2800	1940	242	10680	-57.1	093	16820	-64.8

NORMALS OF RADIOSONDE DATA

MONTH : FEBRUARY TIME : 1730 IST STATION : SRINAGAR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	842	846	839	7.4	16.8	-1.3	1.1	299	0.2	0.9
1000	152	185	122							
950	552	595	512							
925	770	800	741							
900	1038	1077	1002							
850	1511	1553	1472							
800	2006	2050	1965	4.0	13.8	-5.5	-2.1	270	0.4	2.4
750	2512	2554	2480	0.4	10.0	-8.0	-5.3	127	1.0	2.6
700	3077	3118	3033	-2.9	7.6	-11.0	-9.3	141	2.5	3.8
650	3652	3700	3616	-6.5	3.0	-15.0	-13.3	156	3.8	5.1
600	4282	4329	4239	-10.8	-1.0	-20.0	-17.4	173	4.5	6.4
550	4950	5010	4901	-15.6	-5.5	-26.0	-21.8	198	5.4	7.9
500	5658	5717	5605	-20.6	-8.9	-31.0	-26.9	228	7.3	10.7
450	6430	6493	6360	-26.1	-13.5	-37.1	-32.3	245	10.2	14.0
400	7273	7344	7201	-32.2	-20.1	-45.3	-38.4	252	13.7	17.5
350	8205	8293	8128	-38.9	-25.1	-52.0	-44.8	259	18.5	22.5
300	9248	9338	9152	-46.0	-31.7	-60.0	-51.0	261	23.4	27.4
250	10445	10552	10340	-52.0	-37.1	-66.0	-55.3	265	28.8	32.6
200	11879	12014	11750	-54.0	-41.1	-68.7		266	33.9	37.2
175	12735	12886	12576	-54.4	-43.1	-70.0		271	33.6	36.9
150	13710	13861	13548	-55.9	-41.3	-68.5		274	35.8	38.4
125	14870	14989	14730	-58.1	-46.7	-69.5				
100	16262	16495	16161	-60.6	-48.7	-71.0				
80	17636	17853	17399	-61.0	-48.1	-70.5				
70	18481	18790	18217	-61.2	-51.1	-74.1				
60	19428	19743	19145	-60.2	-49.5	-70.9				
50	20548	20660	20261	-58.1	-47.9	-70.9				
40	21981	22093	21666	-56.3	-40.1	-64.9				
30	23836	24060	23438	-53.7	-36.7	-62.0				
25										
20										
15										
10										
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FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
741	2620	3030	2120	246	10570	-55.5	091	16970	-62.4

NORMALS OF RADIOSONDE DATA

MONTH : MARCH TIME : 1730 IST STATION : SRINAGAR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	841	843	839	11.9	24.0	0.4	4.0	303	0.5	1.1
1000	119	151	90							
950	528	572	492							
925	748	766	730							
900	1020	1040	1000							
850	1501	1517	1485							
800	2005	2026	1985	8.6	20.0	-2.0	0.8	305	1.0	2.8
750	2518	2546	2494	4.7	16.2	-5.3	-2.4	132	0.7	2.9
700	3093	3132	3073	0.9	12.8	-9.1	-6.1	140	2.7	4.0
650	3673	3718	3639	-3.1	7.2	-13.5	-10.0	157	3.5	5.2
600	4314	4364	4289	-7.6	5.0	-18.1	-14.2	184	3.8	6.3
550	4987	5041	4929	-12.4	1.2	-23.1	-18.7	211	5.1	7.9
500	5707	5767	5661	-17.5	-4.3	-29.3	-23.9	237	7.0	10.3
450	6488	6556	6410	-23.0	-9.9	-39.9	-29.4	252	10.4	14.0
400	7344	7422	7278	-29.2	-11.3	-45.3	-35.3	258	13.6	17.2
350	8285	8372	8185	-36.2	-17.5	-53.5	-42.0	263	17.5	21.3
300	9342	9439	9236	-43.7	-25.1	-60.1	-49.0	266	23.2	27.1
250	10549	10667	10410	-51.4	-33.5	-64.1	-55.3	269	28.5	32.5
200	11977	12088	11800	-55.4	-40.5	-68.9		272	32.5	36.3
175	12826	12951	12631	-55.2	-43.9	-69.0		278	32.0	35.5
150	13805	13972	13577	-56.4	-44.3	-71.9		276	31.7	34.5
125	14951	15129	14732	-58.4	-45.9	-72.0		276	30.2	32.8
100	16330	16543	16070	-61.0	-45.9	-73.0				
80	17711	18184	17420	-61.9	-48.7	-76.0				
70	18558	19043	18234	-61.3	-45.3	-72.0				
60	19534	20038	19279	-60.0	-47.5	-70.0				
50	20681	21209	20401	-57.9	-44.9	-66.1				
40	22093	22460	21670	-54.7	-40.5	-64.1				
30	23972	24334	23595	-50.5	-32.7	-60.3				
25	25156	25520	24620	-48.6	-33.1	-61.1				
20	26630	27046	26091	-46.6	-30.1	-61.5				
15	28536	28696	28067	-45.3	-29.5	-62.1				
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
692	3190	3760	2840	230	11110	-56.8	090	17140	-63.6

NORMALS OF RADIOSONDE DATA

MONTH : APRIL TIME : 1730 IST STATION : SRINAGAR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	840	842	839	18.2	28.8	4.2	7.3	301	0.4	1.3
1000	78	105	33							
950	499	528	458							
925	723	742	689							
900	997	1016	974							
850	1489	1503	1471							
800	2004	2020	1986	14.7	25.2	-0.5	3.5	303	1.1	3.1
750	2523	2555	2500	10.5	22.8	-2.7	-0.1	160	0.2	2.8
700	3113	3135	3088	6.2	20.4	-6.5	-3.7	145	1.3	3.5
650	3701	3743	3671	1.6	14.4	-11.3	-6.9	169	1.7	4.3
600	4355	4385	4324	-3.2	10.8	-16.0	-10.7	208	2.1	5.4
550	5038	5076	5000	-8.3	9.0	-20.1	-15.3	235	3.2	6.8
500	5771	5814	5733	-13.5	2.2	-25.9	-20.8	250	4.9	8.8
450	6562	6607	6526	-19.2	-1.5	-35.1	-26.5	265	7.5	11.4
400	7431	7485	7387	-25.5	-3.0	-44.1	-32.9	269	10.3	14.1
350	8388	8456	8340	-32.7	-12.5	-51.0	-39.3	272	13.2	17.3
300	9457	9531	9402	-40.9	-20.1	-61.0	-46.8	274	16.6	20.9
250	10674	10766	10605	-49.6	-27.1	-61.1	-54.9	273	20.8	25.2
200	12111	12222	12017	-55.9	-38.1	-72.7		276	27.0	30.5
175	12956	13137	12845	-56.7	-44.5	-71.0		276	26.9	30.9
150	13925	14112	13806	-57.6	-45.3	-71.7		277	26.8	30.3
125	15073	15300	14913	-60.2	-49.1	-75.0		275	23.4	26.1
100	16438	16694	16232	-63.3	-50.7	-80.0		271	20.6	23.3
80	17792	18129	17523	-64.2	-42.5	-81.0				
70	18626	19040	18321	-63.1	-51.7	-80.0				
60	19574	19861	19222	-61.5	-48.3	-79.0				
50	20715	21002	20183	-58.4	-42.3	-73.0				
40	22137	22397	21598	-55.0	-36.9	-69.0				
30	24002	24132	23504	-52.3	-35.3	-65.9				
25	25180	25325	24600	-50.1	-37.5	-63.3				
20	26647	26857	25997	-47.4	-38.3	-60.3				
15	28553	28812	27802	-45.3	-35.1	-57.1				
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
636	3890	4320	3560	210	11810	-58.5	093	17050	-65.3

NORMALS OF RADIOSONDE DATA

MONTH : MAY TIME : 1730 IST STATION : SRINAGAR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	839	841	836	22.0	32.6	7.0	10.8	265	0.3	1.3
1000	42	79	0							
950	471	509	412							
925	694	713	643							
900	972	1001	930							
850	1471	1493	1437							
800	1993	2013	1968	18.8	29.4	4.2	6.9	287	0.5	3.1
750	2520	2549	2496	14.6	26.4	1.0	2.8	288	0.0	3.0
700	3119	3142	3098	10.2	22.0	-4.0	-0.8	206	0.4	3.5
650	3713	3760	3682	5.4	18.0	-6.1	-4.0	233	0.9	4.1
600	4376	4406	4345	0.3	13.2	-11.0	-7.7	245	1.9	5.2
550	5067	5111	5015	-4.9	8.6	-15.0	-12.3	257	3.0	6.6
500	5809	5865	5764	-10.1	5.0	-20.5	-17.6	269	4.5	8.0
450	6614	6675	6562	-15.6	0.4	-27.9	-23.4	273	6.7	10.2
400	7492	7587	7433	-21.9	-4.3	-35.1	-29.6	275	9.1	12.7
350	8461	8587	8405	-28.9	-10.3	-42.5	-36.4	275	11.8	15.2
300	9550	9710	9467	-36.7	-17.3	-53.1	-43.8	276	15.9	19.5
250	10791	11004	10689	-45.0	-26.5	-60.7	-50.2	274	20.5	24.2
200	12259	12535	12128	-51.7	-35.5	-65.7		275	25.2	29.1
175	13115	13454	12983	-54.7	-39.5	-71.0		273	25.3	29.0
150	14090	14277	13938	-57.4	-45.1	-72.0		269	26.0	28.8
125	15235	15520	15071	-61.3	-47.3	-78.0		273	20.6	23.2
100	16598	17179	16394	-65.7	-46.7	-80.0		269	17.5	20.7
80	17949	18269	17759	-67.2	-52.7	-80.0				
70	18770	19150	18577	-66.0	-53.7	-83.0				
60	19710	20105	19487	-63.3	-50.1	-73.7				
50	20842	21263	20552	-59.4	-44.5	-72.0				
40	22264	22675	21909	-55.8	-40.5	-69.0				
30	24134	24584	23490	-51.9	-37.7	-64.3				
25	25291	25900	24800	-50.1	-39.9	-63.1				
20	26765	27413	26519	-48.1	-36.5	-59.3				
15	28648	29401	28288	-45.5	-35.5	-56.5				
10	31385	32251	30896	-42.0	-31.7	-55.3				
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
600	4370	5300	4020	211	11910	-55.4	091	17230	-69.1

NORMALS OF RADIOSONDE DATA

MONTH : JUNE TIME : 1730 IST STATION : SRINAGAR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	834	836	831	26.7	36.0	12.0	14.2	302	0.3	1.1
1000	25	86	1							
950	416	464	353							
925	649	674	611							
900	920	947	872							
850	1425	1451	1385							
800	1956	1979	1923	23.6	34.8	8.0	10.5	313	0.7	3.0
750	2497	2527	2460	19.4	32.2	5.6	6.1	317	1.1	3.3
700	3100	3121	3077	14.8	29.8	0.8	2.4	298	1.8	3.7
650	3707	3732	3678	9.9	25.4	-2.1	-1.3	293	2.1	4.0
600	4378	4406	4343	4.7	19.8	-5.7	-5.2	291	2.5	4.9
550	5085	5129	5024	-0.6	13.4	-12.3	-10.0	299	2.9	5.6
500	5834	5870	5789	-6.0	7.4	-15.9	-15.2	293	4.2	7.0
450	6660	6718	6599	-11.2	3.2	-22.1	-20.5	287	6.2	8.9
400	7545	7600	7482	-16.5	-4.3	-28.5	-26.4	284	9.1	11.9
350	8542	8609	8463	-22.4	-7.7	-38.1	-32.3	279	12.9	15.7
300	9658	9756	9576	-29.1	-13.9	-44.1	-39.1	277	17.0	20.1
250	10942	11062	10840	-36.7	-22.5	-50.0	-46.5	275	21.1	24.2
200	12460	12622	12332	-45.8	-31.3	-58.7		276	22.9	26.4
175	13334	13553	13195	-51.3	-38.1	-63.0		272	21.0	23.9
150	14323	14498	14145	-57.0	-44.3	-71.0		274	21.6	24.0
125	15465	15685	15281	-63.5	-47.1	-80.0		277	14.4	17.5
100	16814	17112	16587	-68.9	-49.9	-86.0		277	9.3	13.6
80	18161	18570	17872	-69.1	-48.1	-85.0				
70	18979	19450	18683	-66.6	-45.7	-80.0				
60	19910	20403	19607	-62.8	-43.3	-76.0				
50	21036	21777	20600	-58.2	-42.1	-74.0				
40	22465	22719	22043	-53.6	-37.9	-67.0				
30	24337	24698	23900	-49.9	-40.1	-62.0				
25	25514	25890	25183	-48.0	-35.9	-62.0				
20	27063	27458	26823	-45.1	-33.7	-57.3				
15	28995	29442	28767	-42.9	-34.5	-56.1				
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
556	4980	5550	4450				098	17070	-70.9

NORMALS OF RADIOSONDE DATA

MONTH : JULY TIME : 1730 IST STATION : SRINAGAR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	832	834	829	27.8	35.4	15.2	18.2	271	0.1	0.9
1000	53	88	20							
950	386	432	353							
925	618	647	592							
900	893	919	864							
850	1402	1424	1374							
800	1935	1956	1908	25.0	32.6	12.2	14.8	328	0.5	2.7
750	2484	2515	2436	20.8	29.8	9.2	10.6	342	0.7	2.8
700	3086	3103	3059	16.3	26.8	5.0	6.8	315	1.1	3.1
650	3702	3730	3657	11.7	22.2	0.6	3.2	289	1.4	3.6
600	4372	4394	4342	7.1	18.0	-4.3	-1.1	275	1.2	3.7
550	5094	5142	5023	2.4	12.4	-7.7	-5.9	284	1.1	4.5
500	5844	5879	5800	-2.4	9.4	-12.7	-10.8	292	1.9	5.5
450	6685	6753	6619	-7.0	4.8	-18.0	-15.8	278	3.9	7.4
400	7584	7650	7520	-11.8	-2.1	-24.0	-21.3	275	6.6	9.7
350	8596	8668	8525	-17.6	-7.1	-31.3	-27.4	273	8.9	12.5
300	9734	9836	9652	-24.7	-13.5	-38.1	-34.0	270	11.2	14.8
250	11043	11169	10944	-33.5	-23.1	-48.5	-42.8	267	13.1	16.7
200	12577	12728	12437	-44.4	-30.1	-63.9	-52.7	265	14.2	18.1
175	13451	13623	13296	-51.1	-37.3	-68.1		265	12.8	16.7
150	14436	14681	14278	-58.2	-40.1	-75.0		271	11.6	15.5
125	15563	15883	15394	-65.3	-45.3	-79.0		271	5.9	11.9
100	16901	17299	16715	-70.4	-48.3	-87.0		271	1.1	9.7
80	18226	18683	18012	-68.9	-50.5	-85.0		080	5.3	8.0
70	19039	19545	18725	-65.9	-45.5	-83.0		086	7.7	10.2
60	19973	20532	19666	-62.1	-41.1	-79.0		092	9.2	10.9
50	21113	21760	20856	-57.3	-42.5	-76.0				
40	22546	23205	22161	-53.5	-38.5	-66.9				
30	24405	25090	23998	-50.1	-35.7	-64.7				
25	25599	26271	25174	-48.7	-38.1	-62.9				
20	27092	27810	26598	-46.1	-33.1	-61.5				
15	28996	29703	28515	-44.6	-32.1	-59.1				
10	31809	32433	31131	-41.1	-30.1	-56.9				
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
525	5480	6350	4900				098	17050	-72.6

NORMALS OF RADIOSONDE DATA

MONTH : AUGUST TIME : 1730 IST STATION : SRINAGAR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	833	835	831	27.2	34.4	14.4	18.1	222	0.1	0.8
1000	37	63	13							
950	396	423	373							
925	630	642	620							
900	908	928	885							
850	1416	1432	1391							
800	1948	1970	1924	24.5	32.8	10.8	14.6	319	0.2	2.5
750	2493	2519	2462	20.5	28.4	7.2	10.3	346	0.5	2.5
700	3097	3123	3070	16.2	25.4	3.8	6.6	318	1.0	2.9
650	3711	3738	3681	11.7	21.6	1.2	2.9	291	1.2	3.3
600	4383	4423	4346	7.1	18.8	-4.0	-1.3	252	1.1	3.5
550	5105	5157	5042	2.5	12.4	-8.0	-5.7	245	1.2	4.2
500	5855	5909	5805	-2.3	7.0	-11.1	-10.5	257	2.1	5.3
450	6694	6753	6629	-6.8	4.0	-16.7	-15.3	263	3.7	6.9
400	7596	7670	7531	-11.7	-0.9	-23.1	-20.8	264	6.2	9.4
350	8608	8676	8536	-17.6	-6.1	-29.0	-26.7	264	8.7	11.6
300	9750	9837	9670	-24.8	-13.9	-39.0	-34.3	262	11.1	13.9
250	11054	11166	10956	-33.8	-22.3	-48.9	-43.5	261	13.3	16.1
200	12582	12736	12457	-44.9	-33.1	-60.9	-53.0	259	14.7	18.1
175	13456	13651	13313	-51.6	-36.3	-67.1		257	14.4	17.5
150	14436	14683	14266	-58.8	-41.9	-75.5		261	14.0	17.2
125	15563	15828	15341	-65.8	-45.0	-80.1		263	8.9	13.4
100	16892	17293	16654	-70.3	-48.7	-85.0		252	5.0	11.1
80	18224	18628	18016	-68.3	-48.5	-87.0		138	2.1	7.3
70	19049	19450	18800	-65.2	-50.1	-82.0		072	2.3	7.5
60	19980	20442	19685	-61.4	-42.5	-81.0				
50	21129	21626	20780	-57.3	-39.1	-76.5				
40	22549	23113	22310	-53.0	-34.9	-74.7				
30	24407	25061	24045	-49.8	-34.5	-72.5				
25	25573	26280	25224	-48.8	-33.5	-69.9				
20	27028	27847	26451	-46.9	-37.1	-67.1				
15	28936	29839	28380	-45.4	-35.7	-63.1				
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
523	5510	6210	4980				102	16840	-71.6

NORMALS OF RADIOSONDE DATA

MONTH : SEPTEMBER TIME : 1730 IST STATION : SRINAGAR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	837	839	836	24.8	31.6	8.8	13.7	294	0.2	0.9
1000	13	36	0							
950	439	469	422							
925	667	688	656							
900	952	974	939							
850	1456	1476	1442							
800	1984	2003	1969	22.0	31.0	5.4	9.2	310	0.8	2.8
750	2517	2545	2490	17.9	26.8	5.0	4.6	324	0.8	2.9
700	3122	3140	3103	13.4	24.0	2.0	0.8	305	1.1	3.2
650	3726	3767	3703	8.7	22.8	-1.5	-2.5	276	1.2	3.6
600	4395	4424	4368	3.6	19.8	-6.3	-6.7	247	1.4	4.0
550	5100	5142	5043	-1.5	13.8	-13.0	-11.2	246	1.5	4.9
500	5846	5886	5803	-6.6	5.6	-19.0	-16.3	263	2.8	6.2
450	6667	6735	6602	-11.7	0.6	-24.0	-21.4	266	5.3	8.4
400	7557	7625	7487	-17.0	-5.3	-31.0	-26.4	266	8.8	11.6
350	8551	8627	8463	-23.1	-11.1	-37.0	-32.8	266	12.7	15.3
300	9666	9777	9565	-29.9	-17.5	-44.9	-39.7	264	17.4	20.0
250	10944	11085	10828	-38.0	-25.1	-52.9	-47.3	265	21.2	23.7
200	12449	12591	12326	-47.8	-35.3	-63.7		264	23.3	25.9
175	13312	13569	13180	-53.8	-39.1	-67.9		264	22.7	24.9
150	14281	14593	14130	-59.9	-44.9	-73.1		264	21.5	23.3
125	15395	15790	15188	-66.0	-50.1	-78.1		268	16.1	18.1
100	16721	17192	16485	-69.2	-50.9	-80.0		269	15.3	16.8
80	18051	18614	17755	-67.0	-48.7	-81.0				
70	18885	19505	18627	-63.9	-47.5	-79.0				
60	19798	20366	19604	-60.1	-45.5	-73.0				
50	20945	21341	20685	-56.2	-39.9	-70.0				
40	22356	22625	22100	-52.5	-39.3	-67.0				
30	24228	24598	23953	-50.0	-39.3	-62.0				
25	25368	25520	25170	-49.6	-39.1	-56.9				
20	26833	27066	26578	-47.8	-37.1	-55.1				
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
564	4890	5530	4400				106	16440	-70.6

NORMALS OF RADIOSONDE DATA

MONTH : OCTOBER TIME : 1730 IST STATION : SRINAGAR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	842	844	839	19.3	28.6	1.0	8.4	301	0.2	0.5
1000	86	117	54							
950	506	549	463							
925	727	744	695							
900	1011	1051	980							
850	1502	1524	1475							
800	2020	2038	1996	16.5	26.0	0.2	3.2	308	0.8	2.3
750	2538	2559	2511	12.5	22.8	-0.9	-1.5	240	0.2	2.5
700	3137	3153	3117	8.2	19.8	-5.9	-5.2	200	0.2	2.9
650	3723	3751	3694	3.3	16.4	-10.9	-8.4	202	1.0	3.7
600	4386	4414	4363	-1.7	11.8	-15.3	-12.2	206	1.7	4.5
550	5070	5108	5020	-7.0	6.4	-19.7	-16.6	225	2.3	5.5
500	5809	5853	5779	-12.4	4.4	-23.3	-22.0	252	3.8	7.1
450	6605	6666	6557	-17.9	-2.7	-30.0	-27.9	264	7.1	10.1
400	7478	7550	7438	-24.0	-7.9	-38.1	-33.5	268	11.0	13.8
350	8442	8523	8377	-30.8	-12.9	-43.0	-40.1	270	15.1	17.8
300	9522	9641	9439	-38.0	-19.7	-51.1	-46.3	269	19.7	22.3
250	10758	10912	10634	-45.4	-27.7	-59.7	-51.9	269	25.4	27.9
200	12221	12418	12042	-52.5	-36.3	-66.5		271	28.7	31.3
175	13069	13357	12875	-56.1	-40.5	-70.3		271	30.9	33.8
150	14024	14411	13827	-59.9	-43.1	-73.0		269	30.8	33.1
125	15156	15539	14929	-63.0	-51.9	-72.1				
100	16501	16735	16316	-65.0	-55.1	-78.0				
80	17849	18277	17668	-64.4	-53.5	-75.5				
70	18676	19305	18440	-63.1	-49.5	-74.0				
60	19612	19861	19440	-60.8	-51.1	-69.1				
50	20743	21039	20538	-58.0	-49.1	-68.1				
40	22167	22520	21955	-55.3	-43.7	-67.7				
30	24030	24473	23772	-52.7	-38.5	-66.7				
25	25152	25418	24913	-51.6	-40.1	-59.5				
20	26607	26912	26152	-50.1	-44.1	-57.1				
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
617	4150	4650	3770	194	12350	-59.6	102	16540	-66.8

NORMALS OF RADIOSONDE DATA

MONTH : NOVEMBER TIME : 1730 IST STATION : SRINAGAR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	844	846	842	13.2	22.6	0.4	4.1	307	0.2	0.4
1000	138	167	102							
950	547	575	504							
925	766	782	743							
900	1042	1065	1013							
850	1526	1544	1500							
800	2031	2046	2014	10.5	22.0	-1.9	-0.9	322	0.5	1.8
750	2544	2572	2514	7.0	17.6	-7.1	-5.3	145	0.4	2.0
700	3127	3147	3098	3.4	13.6	-8.3	-9.5	145	1.2	2.8
650	3707	3752	3675	-0.8	9.0	-13.1	-12.8	157	2.1	3.8
600	4357	4392	4315	-5.5	4.4	-15.3	-16.4	177	2.6	4.9
550	5033	5085	4955	-10.7	0.4	-22.5	-20.8	205	3.2	6.0
500	5760	5814	5700	-15.9	-4.3	-28.9	-25.9	241	5.3	8.6
450	6545	6616	6465	-21.5	-9.1	-34.7	-30.8	258	8.8	12.0
400	7405	7481	7324	-27.8	-15.3	-40.9	-36.3	263	13.3	16.2
350	8354	8438	8245	-34.7	-22.9	-47.9	-42.6	267	17.4	20.3
300	9414	9524	9291	-42.1	-30.1	-57.5	-49.4	269	22.2	25.5
250	10631	10764	10473	-49.4	-32.9	-63.1		270	27.1	30.4
200	12077	12219	11874	-55.2	-41.3	-69.9		273	29.5	32.8
175	12914	13130	12700	-57.7	-42.5	-68.5		275	30.3	33.1
150	13867	14171	13656	-59.8	-48.1	-72.0		271	33.7	35.5
125	15003	15336	14798	-62.2	-50.1	-73.1		270	30.2	32.7
100	16343	16753	16127	-64.2	-49.1	-76.0		274	23.6	25.3
80	17703	18160	17441	-64.0	-54.5	-76.0				
70	18557	18993	18299	-62.8	-52.1	-74.3				
60	19513	19934	19273	-61.1	-45.1	-75.5				
50	20645	21081	20335	-59.3	-43.5	-77.1				
40	22047	22563	21789	-56.0	-45.1	-68.0				
30	23862	24480	23562	-53.7	-41.9	-61.3				
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
662	3570	4110	3010	227	11240	-55.8	100	16520	-65.8

NORMALS OF RADIOSONDE DATA

MONTH : DECEMBER TIME : 1730 IST STATION : SRINAGAR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	845	848	843	6.8	16.4	-3.1	1.3	319	0.1	0.3
1000	184	231	154							
950	578	621	544							
925	796	812	779							
900	1069	1104	1055							
850	1542	1563	1527							
800	2037	2054	2020	4.4	14.2	-7.0	-3.4	060	0.1	1.8
750	2548	2590	2510	1.6	12.2	-10.0	-7.4	136	0.7	1.9
700	3112	3144	3083	-0.8	10.0	-13.0	-10.9	143	1.4	2.9
650	3695	3734	3655	-4.1	8.4	-15.0	-14.5	148	3.1	4.5
600	4328	4378	4275	-8.5	4.4	-18.0	-18.1	169	3.8	5.7
550	5002	5071	4926	-13.4	-0.9	-23.0	-22.2	205	4.9	7.6
500	5716	5789	5641	-18.5	-6.1	-31.0	-26.9	234	7.2	10.6
450	6494	6578	6408	-24.1	-7.9	-37.0	-31.6	249	10.7	14.0
400	7345	7458	7245	-30.4	-15.1	-46.1	-37.4	256	14.6	17.7
350	8281	8413	8153	-37.2	-20.5	-55.0	-44.1	261	18.9	21.9
300	9332	9485	9195	-44.8	-26.7	-59.0	-51.2	263	23.5	26.6
250	10532	10721	10372	-52.0	-33.9	-67.0		267	29.4	32.5
200	11959	12165	11769	-57.0	-38.3	-72.0		269	33.5	36.3
175	12786	12990	12603	-58.7	-45.1	-78.0		270	34.0	36.5
150	13738	13917	13544	-60.1	-48.1	-72.0		272	37.1	39.0
125	14887	15144	14657	-61.9	-49.1	-72.0				
100	16247	16667	16026	-63.4	-53.5	-74.0				
80	17594	17970	17403	-63.9	-56.3	-75.0				
70	18423	18860	18247	-63.8	-55.5	-74.5				
60	19355	19803	19170	-62.5	-53.9	-73.3				
50	20458	20865	20298	-60.3	-50.7	-75.7				
40	21819	22196	21659	-57.6	-50.9	-68.1				
30										
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
719	2910	3770	2000	226	11160	-58.4	097	16910	-65.3

NORMALS OF RADIOSONDE DATA

MONTH : JANUARY TIME : 1730 IST STATION : THIRUVANANTHAPURAM

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1002	1004	1000	29.6	33.2	23.0	21.7	248	1.9	2.3
1000	81	97	68	29.3	32.8	19.0	21.3	248	2.6	3.3
950	525	542	492	24.3	30.0	14.0	17.3	250	1.8	3.2
925	767	777	757	23.0	28.6	18.2	16.4	016	0.8	2.7
900	1005	1026	992	21.1	28.8	13.8	14.0	034	2.1	3.6
850	1498	1520	1481	17.9	25.4	10.8	10.4	046	4.7	5.3
800	2015	2041	1994	15.2	25.0	8.0	5.0	051	4.5	5.5
750	2556	2587	2533	13.0	22.8	5.0	-0.7	058	3.3	5.3
700	3136	3169	3111	10.3	20.0	3.8	-4.7	066	2.8	5.2
650	3743	3782	3713	7.0	19.0	0.6	-8.1	075	3.0	5.5
600	4402	4441	4369	3.3	12.4	-4.7	-11.2	076	3.7	6.0
550	5102	5139	5065	-0.5	7.2	-8.0	-14.7	075	4.2	6.8
500	5859	5900	5815	-4.9	6.0	-12.0	-18.7	074	4.3	7.5
450	6676	6719	6631	-9.7	-0.5	-19.0	-23.5	073	4.3	8.0
400	7581	7641	7524	-15.3	-7.3	-26.0	-29.4	071	3.1	8.2
350	8573	8633	8513	-22.3	-12.9	-32.9	-35.5	079	1.7	8.0
300	9694	9788	9620	-30.7	-20.7	-43.1	-43.3	166	1.8	8.3
250	10962	11075	10875	-40.9	-32.1	-52.5	-51.9	172	4.6	10.2
200	12441	12582	12336	-53.3	-40.9	-63.0		170	5.8	12.2
175	13289	13448	13172	-60.2	-46.9	-72.0		168	5.4	12.6
150	14235	14414	14101	-67.6	-52.7	-79.0		165	4.4	12.4
125	15314	15521	15174	-74.1	-59.3	-87.3		148	3.3	11.5
100	16597	16817	16444	-79.2	-66.1	-91.1		109	3.5	9.3
80	17872	18107	17694	-76.6	-61.1	-90.9		111	2.8	7.2
70	18654	18922	18440	-72.7	-56.1	-90.9		154	0.8	7.1
60	19565	19819	19357	-68.4	-53.1	-86.3		236	1.4	8.2
50	20671	20948	20453	-63.8	-47.1	-81.9		133	0.9	10.2
40	22052	22359	21800	-59.2	-43.3	-74.3		091	3.1	12.0
30	23878	24247	23576	-54.7	-39.5	-70.5		092	5.1	13.7
25	25038	25282	24752	-53.0	-40.5	-64.3		095	7.0	15.2
20	26460	26750	26142	-50.9	-41.1	-61.7		095	7.5	16.9
15	28306	28885	27960	-48.5	-37.3	-58.7				
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FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
556	5010	5500	4560				099	16690	-81.2

NORMALS OF RADIOSONDE DATA

MONTH : FEBRUARY TIME : 1730 IST STATION : THIRUVANANTHAPURAM

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1002	1003	998	30.0	34.0	23.2	22.0	249	2.6	3.1
1000	77	92	49	29.7	33.2	23.0	21.8	246	3.2	3.8
950	521	543	484	24.8	31.8	17.0	18.3	246	2.7	3.9
925	765	776	750	23.4	30.4	19.0	18.0	272	1.3	2.9
900	1003	1019	972	21.7	29.8	13.0	15.2	031	1.2	3.6
850	1497	1514	1464	18.7	27.2	11.0	12.1	047	4.8	5.6
800	2015	2034	1982	15.7	24.0	9.0	7.1	051	5.9	6.7
750	2557	2582	2523	13.3	22.0	7.6	0.6	057	4.8	6.3
700	3138	3164	3104	10.6	20.0	4.8	-4.1	064	3.4	5.8
650	3745	3775	3693	7.1	15.6	1.0	-8.0	072	2.7	5.8
600	4405	4441	4364	3.5	13.0	-4.0	-11.4	070	2.9	6.1
550	5105	5150	5059	-0.4	9.4	-7.9	-15.2	071	3.3	6.8
500	5861	5911	5811	-4.8	1.4	-12.9	-19.6	072	3.4	7.3
450	6678	6730	6626	-9.6	-2.3	-18.7	-24.1	065	3.3	7.9
400	7584	7656	7521	-15.2	-7.1	-24.3	-29.7	055	3.1	8.5
350	8576	8648	8513	-22.1	-11.9	-31.1	-35.8	063	1.7	8.9
300	9697	9797	9616	-30.5	-21.5	-38.3	-43.2	137	1.6	8.9
250	10967	11088	10875	-40.7	-29.5	-50.0	-51.6	157	3.3	9.9
200	12447	12601	12340	-53.0	-41.1	-65.0		155	4.9	12.0
175	13296	13478	13179	-59.8	-47.7	-69.7		151	4.8	12.5
150	14244	14450	14111	-67.2	-54.1	-79.1		143	4.1	12.1
125	15326	15556	15173	-73.7	-59.9	-86.7		123	3.3	11.0
100	16610	16860	16443	-78.6	-63.9	-89.7		101	2.6	8.5
80	17889	18146	17710	-76.2	-62.3	-89.7		113	1.4	7.3
70	18673	18958	18484	-72.8	-57.5	-87.5		233	1.7	7.4
60	19581	19829	19391	-68.4	-54.7	-84.3		258	3.0	9.0
50	20688	20944	20484	-63.8	-49.9	-79.5		258	2.2	10.0
40	22085	22342	21832	-59.3	-46.3	-72.7		151	0.3	11.4
30	23917	24219	23562	-54.5	-39.1	-69.7		095	3.7	14.0
25	25093	25378	24705	-52.2	-39.5	-63.3		098	5.1	15.0
20	26536	26946	26079	-49.8	-36.9	-60.3		100	6.6	17.4
15	28418	29047	27922	-47.1	-36.1	-56.7				
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FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
555	5030	5580	4650				099	16690	-80.4

NORMALS OF RADIOSONDE DATA

MONTH : MARCH TIME : 1730 IST STATION : THIRUVANANTHAPURAM

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1001	1002	997	30.7	41.0	22.4	22.7	255	2.9	3.7
1000	71	82	45	30.4	34.0	22.6	23.0	250	3.3	4.2
950	517	535	486	25.7	31.0	20.0	19.8	248	3.1	4.5
925	759	772	737	24.3	28.4	19.0	18.5	254	1.7	3.7
900	999	1013	978	22.6	28.8	15.8	16.6	063	0.6	3.8
850	1495	1509	1476	19.6	26.0	12.0	13.5	056	4.8	5.7
800	2015	2034	1997	16.4	24.2	8.8	9.1	056	7.4	8.1
750	2558	2584	2536	13.5	21.8	5.0	2.3	058	8.0	8.8
700	3139	3165	3115	10.7	21.0	1.8	-3.5	064	6.8	8.0
650	3745	3780	3707	7.4	15.0	-0.7	-7.9	073	5.1	6.7
600	4407	4446	4374	3.7	12.0	-3.1	-11.2	078	4.2	6.2
550	5107	5156	5072	-0.2	8.2	-8.0	-15.3	076	4.0	6.3
500	5864	5921	5823	-4.6	5.0	-14.0	-19.7	072	3.7	6.7
450	6682	6741	6638	-9.4	-1.7	-19.9	-24.2	065	2.9	7.3
400	7588	7670	7531	-15.2	-5.0	-26.1	-29.2	058	1.8	7.9
350	8578	8665	8515	-22.1	-11.9	-34.1	-35.9	255	0.1	8.4
300	9701	9816	9624	-30.3	-19.5	-43.3	-43.4	220	1.8	9.1
250	10972	11109	10881	-40.5	-27.1	-53.1	-51.8	213	3.6	10.4
200	12454	12621	12352	-52.6	-42.9	-65.3		207	4.5	11.8
175	13305	13487	13187	-59.3	-50.1	-70.9		205	4.2	12.1
150	14254	14451	14123	-66.7	-57.0	-78.0		209	2.8	11.6
125	15337	15540	15188	-73.4	-64.0	-87.1		176	1.4	10.2
100	16625	16843	16451	-78.9	-68.5	-90.1		106	2.8	8.6
80	17905	18147	17694	-76.2	-61.7	-90.1		107	2.4	7.2
70	18690	18974	18471	-72.2	-57.3	-87.0		228	0.6	7.3
60	19601	19864	19377	-67.9	-53.5	-84.5		258	2.1	8.7
50	20705	20984	20475	-63.0	-47.5	-80.5		264	2.0	9.6
40	22094	22379	21823	-58.7	-41.7	-75.3		062	0.7	10.8
30	23930	24243	23615	-53.7	-39.9	-64.7		089	5.1	12.4
25	25090	25406	24680	-51.7	-34.1	-62.3		094	7.9	14.8
20	26524	26993	26095	-49.4	-32.5	-62.1		096	9.5	17.1
15	28373	28893	27920	-47.4	-31.1	-59.1				
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FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
552	5070	5600	4720				099	16730	-80.7

NORMALS OF RADIOSONDE DATA

MONTH : APRIL TIME : 1730 IST STATION : THIRUVANANTHAPURAM

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1000	1001	999	30.3	34.0	22.0	24.5	276	3.2	4.2
1000	60	74	51	29.9	34.0	22.0	24.4	265	3.0	4.3
950	508	527	466	26.0	31.6	18.0	21.5	278	4.2	5.8
925	755	766	744	24.7	30.6	19.2	20.4	288	3.0	4.9
900	991	1007	978	23.1	30.8	16.0	18.5	303	2.0	4.6
850	1488	1506	1472	20.2	28.0	14.0	15.8	033	2.8	4.7
800	2010	2032	1990	17.3	26.4	9.6	11.9	051	5.1	6.1
750	2554	2587	2532	14.2	23.8	7.0	6.8	056	6.6	7.4
700	3137	3169	3109	10.9	21.4	3.2	1.1	060	6.6	7.7
650	3744	3786	3715	7.5	18.6	-3.0	-3.6	064	5.4	6.9
600	4405	4449	4371	3.7	14.2	-4.7	-7.7	069	3.9	6.1
550	5106	5159	5068	-0.1	9.6	-9.0	-11.7	075	3.3	6.0
500	5865	5918	5819	-4.3	4.4	-14.0	-16.0	075	3.1	6.2
450	6684	6748	6636	-9.1	-1.9	-20.0	-20.8	071	2.8	6.9
400	7592	7663	7530	-14.6	-7.3	-28.0	-26.2	069	2.0	7.3
350	8586	8659	8523	-21.3	-13.3	-30.9	-32.4	055	0.7	7.4
300	9713	9801	9631	-29.6	-21.3	-39.5	-39.5	215	0.9	7.6
250	10988	11091	10891	-39.7	-29.5	-49.9	-48.3	193	2.5	8.3
200	12477	12610	12361	-51.9	-40.5	-65.3		180	3.4	9.7
175	13330	13476	13197	-58.9	-46.1	-72.0		174	3.2	10.1
150	14282	14439	14136	-66.5	-51.5	-77.3		159	2.2	10.0
125	15365	15542	15216	-73.6	-61.5	-87.1		119	2.3	9.3
100	16648	16855	16479	-79.8	-66.7	-90.5		103	4.3	8.2
80	17917	18133	17724	-77.4	-62.1	-90.1		094	3.2	7.4
70	18702	18945	18495	-72.9	-59.3	-87.5		102	0.9	7.4
60	19612	19849	19417	-68.3	-49.5	-86.0		256	1.1	8.2
50	20725	20983	20503	-63.1	-42.5	-77.1		107	0.2	9.0
40	22114	22430	21881	-58.4	-37.7	-74.3		086	3.6	11.4
30	23953	24303	23707	-53.5	-37.7	-69.7		093	7.2	14.1
25	25092	25598	24827	-51.6	-36.5	-67.7		095	7.2	15.8
20	26542	27076	26187	-48.9	-34.9	-63.7		098	7.4	17.6
15										
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7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
552	5080	5610	4540				097	16870	-81.7

NORMALS OF RADIOSONDE DATA

MONTH : MAY TIME : 1730 IST STATION : THIRUVANANTHAPURAM

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	999	1000	998	29.9	34.0	23.0	24.9	291	4.4	5.0
1000	57	67	47	29.7	33.2	22.6	24.5	292	4.9	5.4
950	504	519	461	25.8	33.2	20.0	21.3	294	7.1	7.7
925	750	758	746	24.4	31.8	19.2	20.2	300	7.2	7.8
900	986	999	972	22.8	30.4	12.0	18.2	301	6.6	7.6
850	1482	1496	1465	20.0	27.8	13.0	15.1	313	5.3	6.7
800	2004	2018	1984	17.3	25.0	11.8	11.7	330	3.9	6.4
750	2550	2568	2526	14.4	21.6	7.0	7.1	001	2.8	6.5
700	3132	3152	3107	11.2	20.0	2.0	2.3	028	2.9	6.8
650	3742	3770	3719	7.5	16.0	2.0	-2.4	037	2.7	6.8
600	4402	4430	4370	3.7	11.0	-2.1	-6.6	034	1.9	6.4
550	5103	5134	5067	-0.2	7.2	-6.1	-10.5	007	1.0	5.9
500	5861	5902	5820	-4.2	5.0	-11.9	-14.5	355	0.7	5.9
450	6682	6722	6638	-8.7	4.0	-16.9	-19.1	010	0.7	6.0
400	7590	7652	7537	-14.1	-5.3	-21.1	-24.4	028	0.9	5.8
350	8586	8645	8531	-20.8	-11.1	-29.3	-30.6	055	1.1	5.6
300	9715	9810	9645	-29.0	-17.1	-37.5	-38.3	087	1.6	6.0
250	10992	11113	10908	-39.1	-28.1	-49.3	-47.5	095	3.3	7.1
200	12485	12634	12380	-51.4	-40.5	-64.1		099	6.8	9.9
175	13340	13508	13235	-58.5	-46.9	-74.1		097	9.6	12.4
150	14293	14478	14167	-66.4	-54.1	-82.5		095	11.9	14.3
125	15378	15579	15233	-73.8	-60.1	-86.9		094	13.4	15.4
100	16660	16892	16487	-79.4	-67.5	-91.5		094	12.3	13.8
80	17936	18167	17766	-76.4	-61.5	-90.1		091	8.0	10.0
70	18718	18971	18545	-72.2	-54.1	-88.3		091	5.0	7.9
60	19627	19872	19438	-67.5	-54.0	-83.3		096	3.5	7.8
50	20741	21021	20517	-62.3	-46.0	-79.7		089	5.1	9.5
40	22139	22489	21870	-57.6	-42.9	-73.1		092	7.9	12.8
30	23972	24383	23655	-52.7	-38.1	-70.1		094	11.6	16.0
25	25145	25675	24839	-50.5	-35.9	-67.1		093	13.9	18.4
20	26613	26926	26202	-47.8	-35.1	-58.9		092	14.6	19.3
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
552	5070	5580	4650				100	16710	-81.2

NORMALS OF RADIOSONDE DATA

MONTH : JUNE TIME : 1730 IST STATION : THIRUVANANTHAPURAM

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1000	1002	999	28.2	35.0	22.0	24.3	298	5.3	6.0
1000	63	78	55	27.9	32.2	20.0	24.0	299	6.2	6.7
950	507	529	472	24.2	33.0	16.8	20.5	296	9.8	10.4
925	750	765	739	22.9	27.6	17.6	19.5	298	10.7	11.2
900	987	1006	975	21.2	29.4	15.0	17.3	296	12.0	12.8
850	1481	1501	1468	18.4	26.4	12.0	14.0	295	12.7	13.4
800	2000	2021	1983	15.7	22.8	8.0	10.5	292	12.4	13.2
750	2543	2566	2521	13.1	23.0	5.4	6.3	288	11.6	12.6
700	3123	3146	3097	10.3	17.6	3.0	1.9	284	10.8	12.0
650	3731	3762	3691	7.1	14.2	-1.1	-2.2	280	9.4	10.8
600	4391	4420	4357	3.6	11.4	-4.9	-5.8	277	7.9	9.5
550	5092	5128	5052	-0.2	6.8	-8.1	-9.5	274	6.2	8.1
500	5851	5895	5805	-4.4	2.8	-12.9	-13.5	274	4.4	6.7
450	6671	6715	6620	-9.1	-0.5	-20.0	-18.0	277	2.6	5.8
400	7578	7644	7518	-14.6	-6.3	-22.5	-23.3	344	0.8	5.6
350	8572	8627	8509	-21.2	-11.3	-29.3	-30.2	061	2.9	6.2
300	9700	9793	9624	-29.2	-21.1	-38.1	-38.4	074	5.8	8.3
250	10976	11085	10886	-39.3	-27.9	-52.1	-47.9	082	11.0	12.8
200	12466	12596	12354	-51.5	-41.1	-64.7		081	19.6	20.7
175	13320	13465	13203	-58.6	-46.1	-74.5		080	24.6	25.7
150	14272	14437	14144	-66.4	-50.3	-79.9		082	28.8	29.7
125	15358	15553	15220	-73.6	-59.1	-87.3		086	30.8	31.7
100	16644	16887	16495	-78.1	-63.5	-91.7		088	24.5	25.4
80	17930	18187	17762	-74.4	-57.3	-91.3		087	15.9	16.8
70	18725	18996	18512	-70.4	-52.5	-93.3		087	12.1	13.3
60	19641	19914	19413	-66.6	-46.5	-86.5		087	10.5	11.8
50	20759	21054	20537	-62.5	-41.7	-80.7		088	10.6	12.3
40	22149	22488	21887	-58.3	-40.1	-79.3		094	13.0	15.0
30	23993	24390	23650	-52.9	-35.9	-70.9		093	16.3	17.9
25	25162	25461	24810	-50.6	-35.1	-72.5		094	17.5	19.1
20	26607	26914	26241	-48.6	-33.1	-69.3		092	18.7	20.3
15	28496	29047	27885	-46.3	-26.1	-65.7				
10										
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FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
553	5050	5610	4630				103	16490	-80.0

NORMALS OF RADIOSONDE DATA

MONTH : JULY TIME : 1730 IST STATION : THIRUVANANTHAPURAM

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1000	1002	998	27.9	31.4	22.0	23.7	308	5.9	6.4
1000	66	80	52	27.7	31.4	22.0	23.5	306	7.1	7.5
950	509	530	489	24.0	32.0	16.8	20.0	304	10.7	11.2
925	752	765	742	22.5	30.8	16.0	18.8	305	12.6	13.0
900	989	1005	974	20.8	29.8	11.0	16.9	303	13.0	13.5
850	1482	1499	1467	18.0	26.8	12.0	13.6	302	13.6	14.2
800	2000	2017	1982	15.4	24.0	9.2	10.1	299	13.2	13.8
750	2542	2563	2520	12.8	20.8	7.0	6.0	294	12.3	13.0
700	3122	3141	3095	10.0	19.0	4.0	1.7	288	11.0	11.8
650	3729	3758	3692	6.9	14.6	1.0	-2.0	284	9.2	10.2
600	4389	4417	4354	3.4	10.6	-3.0	-5.2	280	6.9	8.3
550	5089	5124	5049	-0.4	6.8	-6.1	-8.7	281	4.9	6.9
500	5847	5887	5804	-4.6	5.6	-11.3	-13.4	283	3.0	5.9
450	6666	6713	6621	-9.4	4.2	-20.0	-18.7	306	1.0	5.5
400	7573	7636	7518	-15.0	-5.3	-32.0	-24.6	079	2.1	5.8
350	8566	8622	8508	-21.7	-11.1	-29.5	-31.6	084	5.0	7.2
300	9690	9783	9618	-29.9	-19.1	-41.5	-39.7	088	8.6	10.2
250	10963	11080	10878	-40.0	-28.1	-54.3	-48.6	088	14.9	16.0
200	12446	12579	12341	-52.2	-42.0	-70.1		082	24.2	24.9
175	13298	13447	13167	-59.2	-47.5	-82.3		081	29.0	29.7
150	14246	14416	14091	-67.0	-55.5	-83.5		082	33.1	33.9
125	15329	15514	15144	-73.8	-63.9	-87.1		085	34.5	35.3
100	16618	16831	16425	-75.8	-59.3	-87.1		088	26.0	26.7
80	17926	18149	17750	-70.6	-54.5	-84.5		089	17.8	18.4
70	18734	18977	18558	-67.5	-50.5	-81.1		089	15.8	16.4
60	19664	19904	19471	-64.4	-48.5	-79.3		089	15.1	15.8
50	20791	21026	20562	-60.9	-44.1	-73.5		089	16.0	16.8
40	22191	22499	21922	-57.4	-38.5	-69.5		093	18.0	18.6
30	24035	24402	23708	-52.9	-38.1	-64.7		094	20.3	21.1
25	25204	25603	24863	-51.0	-35.5	-63.1		092	22.7	23.5
20	26672	27062	26275	-48.9	-37.5	-62.1		092	26.1	26.7
15	28577	28931	27931	-46.2	-35.1	-56.7				
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FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
555	5010	5480	4610				108	16190	-78.5

NORMALS OF RADIOSONDE DATA

MONTH : AUGUST TIME : 1730 IST STATION : THIRUVANANTHAPURAM

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1001	1003	999	27.9	31.0	17.0	23.5	307	5.9	6.4
1000	68	90	53	27.8	31.0	22.2	23.3	306	7.0	7.4
950	513	540	490	23.9	28.6	15.8	19.7	305	10.6	11.0
925	758	775	750	22.6	27.0	18.2	18.6	307	11.3	11.7
900	991	1014	968	20.8	28.0	12.0	16.5	307	12.3	12.8
850	1484	1508	1457	18.1	26.2	8.0	13.4	305	12.6	13.2
800	2003	2026	1974	15.4	24.0	7.0	10.0	300	12.1	12.7
750	2546	2572	2514	13.0	22.0	6.0	5.8	294	11.1	11.8
700	3125	3149	3088	10.3	19.8	2.6	1.5	288	10.0	10.8
650	3733	3765	3697	7.2	17.8	1.0	-2.3	282	8.3	9.3
600	4393	4421	4347	3.5	10.8	-5.1	-5.8	280	6.5	7.8
550	5093	5123	5043	-0.3	8.0	-10.5	-9.6	280	4.7	6.6
500	5852	5883	5797	-4.5	3.8	-14.0	-13.8	281	2.7	5.5
450	6671	6711	6613	-9.2	5.8	-21.0	-18.9	306	0.8	5.2
400	7577	7627	7512	-14.8	-6.5	-28.0	-24.9	078	2.0	5.4
350	8571	8620	8505	-21.6	-12.5	-35.0	-31.7	090	4.9	7.0
300	9694	9770	9612	-30.0	-20.5	-43.0	-39.9	096	9.2	10.4
250	10967	11057	10877	-40.1	-29.7	-50.1	-48.4	091	16.2	17.1
200	12452	12563	12344	-52.1	-40.1	-63.7		084	25.5	26.1
175	13306	13424	13179	-59.0	-48.5	-69.7		083	29.9	30.6
150	14256	14392	14115	-66.8	-54.5	-78.7		083	34.1	34.9
125	15336	15488	15182	-73.7	-62.1	-84.1		086	34.5	35.2
100	16627	16793	16471	-75.6	-55.9	-87.5		089	23.7	24.4
80	17933	18141	17773	-70.2	-55.1	-84.5		090	15.6	16.3
70	18738	18948	18559	-67.3	-54.1	-87.3		088	14.6	15.2
60	19672	19882	19479	-64.3	-49.5	-78.0		088	14.5	15.1
50	20801	21025	20579	-61.1	-42.3	-75.7		090	15.2	16.0
40	22205	22472	21948	-57.7	-41.9	-73.5		092	16.6	17.4
30	24017	24384	23784	-53.8	-38.5	-68.9		093	18.3	19.3
25	25171	25576	24924	-52.1	-35.1	-64.3		091	19.9	20.9
20	26606	27055	26323	-50.4	-39.1	-63.9		091	21.8	22.5
15	28445	28967	28202	-48.6	-36.7	-62.1				
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FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
553	5040	5400	4630				109	16170	-78.2

NORMALS OF RADIOSONDE DATA

MONTH : SEPTEMBER TIME : 1730 IST STATION : THIRUVANANTHAPURAM

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1000	1002	999	28.3	31.4	23.0	23.6	300	4.8	5.3
1000	67	81	57	28.1	30.6	23.0	23.5	299	5.9	6.3
950	512	526	482	24.3	29.2	15.6	19.4	299	8.3	8.8
925	757	768	748	22.9	29.0	19.0	18.2	302	8.8	9.3
900	991	1008	976	21.3	29.2	16.0	15.9	302	8.7	9.3
850	1485	1503	1466	18.5	27.2	12.0	12.9	302	8.2	9.0
800	2004	2023	1980	15.8	24.4	9.0	9.7	298	7.4	8.4
750	2547	2569	2514	13.0	21.4	4.0	5.9	292	6.8	8.1
700	3127	3149	3096	10.3	18.0	3.0	1.4	286	6.2	7.6
650	3735	3764	3695	7.1	14.4	-0.0	-2.5	283	5.3	6.9
600	4394	4423	4355	3.5	10.6	-5.9	-6.2	284	4.0	6.0
550	5095	5127	5050	-0.3	8.0	-9.7	-9.8	289	2.5	5.3
500	5853	5888	5807	-4.5	4.0	-13.0	-14.1	299	1.1	4.8
450	6672	6714	6623	-9.1	-1.1	-19.0	-18.9	063	0.9	5.0
400	7579	7629	7522	-14.6	-6.7	-26.9	-24.8	088	2.7	5.7
350	8573	8619	8514	-21.5	-12.9	-32.7	-31.5	096	5.1	6.8
300	9699	9770	9626	-29.8	-20.9	-43.5	-39.5	099	8.4	9.5
250	10972	11059	10890	-40.0	-30.0	-53.3	-48.8	094	13.8	14.6
200	12455	12564	12364	-52.4	-42.5	-68.9		088	20.5	21.2
175	13306	13423	13212	-59.4	-48.9	-71.3		086	24.3	25.0
150	14254	14380	14147	-67.2	-55.7	-79.9		087	27.3	28.2
125	15335	15486	15206	-73.9	-61.3	-85.5		090	26.0	26.8
100	16629	16790	16485	-75.7	-62.3	-89.5		091	17.7	18.4
80	17936	18140	17750	-71.0	-56.9	-86.3		090	12.4	13.2
70	18740	18966	18540	-67.8	-50.7	-83.9		089	11.5	12.5
60	19668	19911	19472	-64.9	-49.5	-81.1		089	11.5	12.6
50	20791	21048	20575	-61.6	-48.1	-73.3		092	12.7	13.7
40	22192	22501	21817	-58.0	-43.1	-70.3		094	14.2	15.6
30	24030	24401	23763	-53.6	-37.7	-72.1		093	16.4	18.2
25	25193	25836	24919	-51.5	-36.5	-63.5		093	17.1	19.2
20	26588	27103	26275	-50.0	-38.1	-59.5		093	19.8	21.6
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FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
553	5040	5490	4690				110	16080	-77.9

NORMALS OF RADIOSONDE DATA

MONTH : OCTOBER TIME : 1730 IST STATION : THIRUVANANTHAPURAM

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1001	1003	1000	27.9	31.2	22.0	23.8	287	2.7	3.4
1000	72	85	60	27.7	31.0	16.8	23.6	286	3.4	4.3
950	515	532	487	24.1	34.8	16.0	19.6	286	4.7	5.8
925	759	769	749	22.6	28.2	15.8	18.0	292	4.7	6.1
900	995	1011	981	21.2	30.2	14.0	16.5	295	4.2	5.9
850	1489	1504	1470	18.4	27.2	10.6	13.5	305	3.5	6.0
800	2007	2023	1984	15.7	24.8	9.0	10.0	310	3.0	6.0
750	2551	2570	2522	12.8	20.8	6.0	6.0	306	2.9	6.2
700	3129	3147	3097	9.9	18.6	2.4	2.1	296	2.9	6.2
650	3737	3760	3706	6.8	16.0	-1.0	-1.8	288	2.5	6.1
600	4396	4420	4357	3.2	12.0	-4.5	-5.4	285	1.7	5.8
550	5097	5119	5054	-0.5	6.2	-8.3	-9.2	298	0.7	5.5
500	5854	5888	5809	-4.5	3.0	-12.7	-13.6	060	0.5	5.3
450	6674	6697	6628	-9.2	-2.1	-19.3	-18.5	084	1.5	5.3
400	7581	7633	7530	-14.6	-7.1	-28.1	-24.1	094	2.7	5.6
350	8575	8620	8522	-21.5	-12.0	-30.9	-30.8	098	3.9	6.1
300	9699	9769	9636	-29.8	-20.5	-39.3	-39.0	098	6.0	7.7
250	10972	11054	10902	-40.2	-28.5	-49.7	-48.4	096	9.3	10.7
200	12455	12550	12373	-52.7	-39.5	-64.3		090	13.3	14.6
175	13304	13413	13215	-59.8	-49.1	-72.9		090	15.5	16.9
150	14251	14372	14154	-67.7	-56.5	-82.7		094	17.1	18.6
125	15329	15478	15225	-74.6	-63.1	-89.7		096	15.3	16.7
100	16610	16785	16503	-78.1	-58.5	-89.7		092	10.1	11.5
80	17893	18096	17780	-73.9	-49.1	-86.9		089	7.4	9.3
70	18689	18940	18549	-70.3	-54.5	-84.3		090	6.3	8.7
60	19611	19848	19436	-66.5	-50.5	-82.1		093	6.2	9.1
50	20724	20975	20518	-62.8	-45.5	-77.9		094	7.6	10.8
40	22114	22415	21878	-58.9	-41.9	-78.9		093	10.4	13.5
30	23932	24201	23578	-54.4	-36.3	-75.5		093	13.2	16.2
25	25091	25389	24725	-52.6	-34.5	-71.1		093	14.3	17.0
20	26540	27014	26288	-49.9	-33.3	-68.9		094	16.0	19.0
15	28420	28960	28172	-47.9	-36.9	-61.5				
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FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
555	5010	5450	4700				106	16310	-79.8

NORMALS OF RADIOSONDE DATA

MONTH : NOVEMBER TIME : 1730 IST STATION : THIRUVANANTHAPURAM

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1001	1003	1000	28.2	32.0	22.0	23.7	275	1.6	2.3
1000	74	87	61	28.0	31.2	19.0	23.3	274	2.3	3.2
950	517	533	489	24.2	30.6	17.0	19.4	275	2.3	3.9
925	758	766	750	22.7	29.8	15.2	18.1	302	1.6	3.8
900	997	1012	983	21.1	28.4	13.8	16.3	330	1.2	4.0
850	1491	1508	1476	18.3	26.2	11.0	13.2	022	2.1	4.9
800	2009	2029	1993	15.5	23.2	8.0	9.9	030	2.2	5.3
750	2551	2577	2532	12.7	21.6	5.6	5.7	024	1.6	5.4
700	3131	3156	3107	9.9	20.0	1.2	1.7	005	1.1	5.6
650	3738	3772	3714	6.7	18.2	-0.1	-2.0	017	0.7	5.6
600	4397	4427	4362	3.1	11.6	-3.9	-5.5	060	1.1	5.8
550	5097	5132	5057	-0.6	8.2	-8.5	-9.4	069	2.0	6.1
500	5854	5890	5806	-4.7	5.6	-13.3	-14.0	074	2.8	6.2
450	6673	6712	6620	-9.4	5.4	-22.0	-19.0	078	3.3	6.4
400	7580	7632	7519	-14.8	-6.7	-25.5	-24.5	083	3.6	6.6
350	8572	8622	8507	-21.7	-10.7	-33.9	-31.3	089	4.1	6.7
300	9696	9780	9619	-30.0	-21.1	-45.1	-39.3	103	4.9	7.2
250	10968	11071	10878	-40.4	-30.5	-58.9	-48.8	112	7.0	9.0
200	12449	12576	12349	-52.8	-40.9	-69.7		112	9.0	11.9
175	13298	13439	13188	-59.9	-50.9	-77.3		110	9.2	12.7
150	14244	14403	14127	-67.6	-55.9	-84.9		111	8.3	12.5
125	15322	15495	15191	-74.8	-62.5	-88.0		105	6.7	10.4
100	16602	16784	16456	-79.9	-58.1	-90.5		096	6.4	8.9
80	17875	18054	17697	-75.9	-59.5	-88.5		094	5.1	7.9
70	18661	18889	18465	-72.0	-58.1	-84.0		100	3.5	7.7
60	19574	19780	19367	-67.9	-52.1	-83.9		104	3.1	8.7
50	20686	20910	20466	-63.2	-46.7	-78.0		097	4.3	10.1
40	22068	22340	21819	-59.3	-43.1	-75.3		095	6.1	11.9
30	23888	24237	23561	-55.0	-38.7	-67.0		095	10.6	15.5
25	25045	25511	24717	-53.0	-36.9	-64.5		095	12.4	16.2
20	26461	26978	26170	-50.8	-37.1	-64.1		094	13.3	17.3
15	28295	28925	28024	-48.8	-36.7	-59.7				
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FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
556	5000	5390	4520				102	16520	-81.7

NORMALS OF RADIOSONDE DATA

MONTH : DECEMBER TIME : 1730 IST STATION : THIRUVANANTHAPURAM

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1002	1004	1000	29.2	32.6	23.2	22.7	260	1.3	1.9
1000	80	97	65	29.0	32.0	23.8	22.4	260	2.0	3.0
950	524	548	480	24.5	34.0	15.0	18.3	275	1.4	3.1
925	770	781	762	22.9	30.4	14.8	17.2	003	0.7	2.8
900	1005	1024	984	21.3	31.2	12.0	15.2	038	2.0	3.7
850	1498	1528	1476	18.1	27.6	9.4	12.1	051	3.9	5.0
800	2016	2053	1990	15.4	24.2	7.6	7.8	057	3.8	5.3
750	2558	2588	2528	12.9	21.2	3.0	3.6	064	3.2	5.3
700	3137	3185	3100	10.1	18.2	2.8	-0.4	072	3.0	5.4
650	3745	3781	3709	6.9	16.0	-2.5	-3.7	073	3.5	5.7
600	4403	4469	4357	3.3	12.4	-3.1	-7.4	075	3.9	6.0
550	5104	5190	5051	-0.6	10.6	-7.5	-11.3	078	4.5	6.7
500	5860	5945	5803	-4.8	6.2	-11.5	-15.8	077	4.9	7.1
450	6679	6760	6615	-9.5	3.4	-20.0	-20.7	078	4.8	7.3
400	7584	7635	7484	-15.2	-1.1	-23.1	-26.5	080	4.0	7.3
350	8576	8637	8496	-22.1	-8.3	-29.5	-32.9	094	2.8	7.4
300	9697	9771	9603	-30.4	-12.1	-42.0	-40.8	133	3.0	8.2
250	10968	11050	10857	-40.7	-20.3	-50.5	-50.3	150	5.1	10.0
200	12450	12683	12317	-53.0	-31.3	-67.7		164	6.2	12.0
175	13299	13551	13153	-59.9	-38.3	-72.7		172	5.7	12.3
150	14245	14520	14084	-67.4	-46.5	-78.5		187	4.4	11.6
125	15327	15626	15134	-74.1	-53.9	-86.1		193	2.8	10.3
100	16609	16925	16397	-79.7	-66.9	-90.7		110	2.9	8.4
80	17880	18238	17658	-76.7	-61.1	-90.1		099	4.8	8.0
70	18664	19070	18429	-72.3	-58.1	-88.5		105	2.7	7.7
60	19579	19998	19334	-68.0	-54.1	-84.0		123	1.4	8.5
50	20690	21151	20401	-63.3	-42.5	-81.1		110	2.5	10.3
40	22083	22588	21760	-59.0	-39.5	-82.1		100	4.8	12.5
30	23908	24475	23516	-53.9	-37.1	-75.5		093	6.4	14.9
25	25075	25718	24614	-51.7	-35.9	-73.1		093	6.3	15.6
20	26523	26845	26204	-49.6	-33.1	-68.5		095	7.4	16.7
15	28357	28677	27600	-47.7	-35.3	-64.9				
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7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
557	5000	5950	4540				098	16740	-81.7

NORMALS OF RADIOSONDE DATA

MONTH : JANUARY TIME : 1730 IST STATION : VISHAKHAPATNAM

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1007	1009	1004	25.5	29.0	19.6	19.6	115	1.9	3.3
1000	105	123	80	25.0	28.8	19.2	18.9	112	2.3	3.8
950	543	568	500	21.1	31.4	13.6	13.8	098	2.5	4.4
925	775	791	762	20.0	29.8	14.6	12.0	072	2.1	4.0
900	1019	1037	996	18.5	30.4	11.6	9.3	040	2.2	4.1
850	1507	1526	1483	15.8	26.2	8.4	5.1	359	3.0	4.9
800	2020	2044	1994	13.2	24.0	4.6	1.1	341	3.8	5.6
750	2558	2593	2533	10.6	22.0	3.0	-3.0	325	3.8	6.1
700	3132	3179	3105	8.0	20.0	-2.0	-7.6	303	4.3	6.7
650	3739	3800	3709	5.4	17.8	-4.3	-11.4	286	5.8	7.9
600	4389	4466	4355	2.2	14.2	-6.1	-14.8	279	7.6	9.5
550	5084	5179	5045	-1.9	9.8	-10.9	-18.2	277	9.4	11.2
500	5837	5958	5792	-6.5	5.0	-16.7	-22.4	276	11.2	13.0
450	6650	6791	6602	-11.6	-3.1	-22.0	-26.9	273	13.4	15.3
400	7546	7722	7491	-17.4	-8.0	-31.0	-31.9	272	15.7	17.6
350	8532	8747	8467	-24.0	-13.9	-34.0	-37.5	269	18.4	20.2
300	9643	9906	9575	-31.8	-20.3	-43.3	-44.8	265	20.8	22.5
250	10905	10971	10832	-41.6	-30.5	-52.0		259	22.0	23.9
200	12383	12467	12301	-53.1	-41.7	-65.0		254	21.7	23.8
175	13234	13331	13146	-59.5	-49.3	-67.9		251	19.9	22.2
150	14183	14306	14091	-66.3	-55.3	-76.1		250	17.9	20.4
125	15268	15421	15159	-72.8	-62.1	-80.5		250	14.4	17.4
100	16552	16728	16430	-78.7	-67.1	-87.9		255	10.3	13.4
80	17826	18036	17701	-76.3	-65.1	-86.1		265	6.3	9.5
70	18610	18839	18466	-73.0	-56.9	-84.0		266	5.5	9.1
60	19527	19776	19273	-68.8	-52.3	-80.0		275	3.8	7.3
50	20632	20931	20395	-63.9	-47.3	-74.7				
40	22009	22343	21794	-59.6	-45.1	-67.5				
30										
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
573	4750	6190	4190				099	16630	-80.4

NORMALS OF RADIOSONDE DATA

MONTH : FEBRUARY TIME : 1730 IST STATION : VISHAKHAPATNAM

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1005	1009	1001	27.2	31.0	18.0	21.5	182	2.3	3.7
1000	89	119	49	26.7	31.0	18.0	21.1	180	2.5	4.1
950	530	564	495	23.0	30.2	15.0	15.0	180	2.8	5.0
925	763	774	752	21.8	27.4	16.6	14.4	194	2.4	5.0
900	1009	1037	967	20.8	28.4	12.0	9.9	199	1.0	4.4
850	1500	1527	1457	17.9	29.0	10.0	6.6	318	1.5	4.7
800	2017	2042	1974	14.5	24.0	7.0	3.5	326	3.7	5.8
750	2555	2581	2515	11.0	19.0	3.2	-0.1	322	5.2	6.8
700	3130	3153	3089	7.8	16.6	0.0	-4.8	310	5.7	7.3
650	3737	3756	3698	4.8	15.0	-3.5	-8.9	294	6.4	8.3
600	4387	4412	4353	1.6	12.4	-5.3	-14.0	283	8.3	10.2
550	5079	5104	5049	-2.2	5.6	-8.1	-17.9	279	10.1	11.9
500	5834	5860	5806	-6.5	1.4	-14.0	-21.9	277	12.1	13.8
450	6646	6678	6610	-11.5	-1.5	-23.0	-25.8	275	14.0	15.9
400	7543	7580	7510	-17.3	-8.0	-27.0	-30.7	273	16.3	18.4
350	8529	8580	8488	-23.8	-14.9	-34.3	-36.9	272	18.9	21.0
300	9641	9703	9593	-31.7	-22.3	-40.5	-44.0	268	20.7	23.0
250	10906	10987	10848	-41.3	-30.3	-50.1		261	22.0	24.3
200	12386	12512	12305	-52.6	-39.1	-60.3		257	21.9	24.4
175	13235	13384	13140	-58.9	-47.7	-66.9		255	20.4	23.3
150	14185	14359	14083	-65.8	-51.9	-75.0		254	18.7	21.5
125	15275	15475	15170	-72.2	-60.3	-83.5		253	15.3	18.2
100	16562	16810	16457	-78.1	-66.1	-86.9		260	10.4	13.2
80	17839	18144	17717	-76.1	-61.1	-84.3		272	6.6	10.0
70	18618	18970	18476	-73.2	-55.5	-84.9		269	5.6	9.3
60	19531	19913	19344	-68.8	-53.1	-84.1		277	3.3	7.7
50	20640	21087	20437	-63.8	-48.9	-83.1				
40										
30										
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
579	4670	5090	4350				098	16720	-79.8

NORMALS OF RADIOSONDE DATA

MONTH : MARCH TIME : 1730 IST STATION : VISHAKHAPATNAM

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1003	1005	998	28.8	32.0	24.0	23.4	211	4.0	4.7
1000	69	92	31	28.4	31.0	24.0	22.8	210	4.1	4.9
950	513	544	474	25.6	34.4	19.0	15.6	216	5.2	6.3
925	748	764	722	25.6	31.2	19.4	11.8	212	4.1	5.4
900	997	1021	964	24.4	32.6	17.0	8.4	220	2.9	4.9
850	1495	1518	1464	21.5	31.0	12.0	5.1	275	0.8	4.1
800	2017	2039	1988	17.8	26.6	9.0	3.3	342	2.5	4.7
750	2561	2584	2537	13.6	21.0	6.2	1.1	340	4.6	6.2
700	3142	3164	3116	9.2	18.6	2.2	-2.1	334	5.8	7.3
650	3750	3771	3726	5.2	14.8	-2.1	-6.7	325	5.9	7.6
600	4400	4422	4376	1.7	10.4	-6.3	-12.5	309	5.8	7.9
550	5093	5122	5052	-2.1	8.0	-12.0	-17.4	293	6.8	8.9
500	5847	5876	5815	-6.5	2.2	-16.3	-22.0	284	8.6	10.6
450	6660	6694	6610	-11.6	-2.1	-19.0	-26.6	279	10.6	12.6
400	7557	7607	7507	-17.6	-7.5	-25.3	-32.0	275	12.6	14.9
350	8542	8612	8479	-24.4	-13.7	-35.5	-37.3	272	15.2	17.6
300	9651	9746	9577	-32.1	-21.3	-42.1	-43.5	266	18.1	20.5
250	10914	11036	10830	-41.3	-29.9	-54.1		262	20.3	22.7
200	12396	12549	12299	-52.1	-40.3	-63.3		257	20.7	22.9
175	13250	13406	13135	-58.2	-48.3	-67.5		258	19.7	22.0
150	14205	14378	14062	-64.8	-54.5	-74.1		258	17.7	20.3
125	15298	15487	15120	-71.4	-59.0	-86.3		257	13.5	16.4
100	16594	16805	16350	-77.5	-64.1	-87.5		258	8.8	12.4
80	17873	18124	17603	-76.0	-62.7	-86.1		267	4.3	9.0
70	18655	18914	18389	-73.0	-56.1	-86.1		273	3.5	7.8
60	19571	19860	19193	-68.4	-54.0	-84.5		275	2.7	7.3
50	20682	21006	20268	-63.1	-50.1	-76.7		265	1.7	7.0
40	22089	22441	21815	-57.9	-45.9	-68.3		091	0.5	6.1
30	23928	24330	23631	-53.7	-38.1	-62.5				
25	25100	25525	24803	-51.3	-36.7	-59.7				
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
578	4700	5140	4280				096	16860	-79.0

NORMALS OF RADIOSONDE DATA

MONTH : APRIL TIME : 1730 IST STATION : VISHAKHAPATNAM

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1000	1002	996	29.9	32.6	20.6	25.5	221	5.2	5.6
1000	44	63	12	29.5	32.6	23.0	24.9	221	5.0	5.5
950	492	517	440	26.6	35.0	20.0	20.2	227	7.1	7.6
925	730	744	706	26.3	32.4	20.4	17.5	231	5.5	6.2
900	976	996	951	26.0	35.0	17.0	13.6	242	4.5	5.7
850	1478	1497	1452	23.7	30.8	13.0	8.5	279	1.7	4.1
800	2004	2023	1977	20.1	28.0	10.6	5.2	346	1.8	4.1
750	2552	2576	2526	15.8	25.0	4.0	2.4	360	3.0	4.9
700	3136	3161	3107	11.0	19.0	2.8	-0.6	359	3.9	5.9
650	3749	3775	3718	6.3	18.4	-2.0	-4.1	353	4.5	6.7
600	4401	4431	4372	2.0	10.8	-5.0	-8.9	338	4.5	7.0
550	5095	5132	5068	-1.8	6.0	-11.0	-14.3	311	4.6	7.3
500	5851	5891	5812	-6.0	4.2	-14.0	-19.7	291	5.9	8.7
450	6666	6712	6620	-10.9	0.4	-20.0	-24.3	281	7.9	10.6
400	7564	7626	7506	-16.6	-5.7	-26.1	-29.1	275	10.3	12.7
350	8554	8633	8494	-23.3	-11.3	-32.1	-34.3	271	12.4	15.0
300	9669	9770	9595	-31.0	-18.9	-42.3	-41.5	267	15.1	17.7
250	10938	11067	10852	-40.5	-27.1	-57.3	-50.3	263	17.1	19.9
200	12424	12572	12325	-51.8	-37.7	-69.9		259	17.7	20.4
175	13278	13423	13164	-58.1	-45.1	-68.0		259	16.5	19.2
150	14234	14398	14095	-65.1	-51.9	-74.7		260	13.9	16.6
125	15327	15533	15209	-71.7	-60.1	-81.3		263	9.4	13.1
100	16623	16878	16460	-78.0	-67.0	-89.9		268	3.9	9.8
80	17899	18243	17715	-76.7	-64.1	-88.1		080	1.1	7.8
70	18677	19060	18472	-73.9	-56.1	-86.5		071	1.6	7.4
60	19585	19957	19349	-69.1	-52.1	-81.5		076	1.9	6.8
50	20696	21086	20345	-63.3	-45.9	-77.9		100	2.5	6.5
40	22091	22695	21827	-58.4	-42.1	-69.0		096	3.6	6.4
30	23936	24535	23713	-52.7	-39.5	-65.0				
25	25121	25474	24879	-50.1	-38.1	-60.5				
20	26602	26911	26208	-47.4	-33.1	-60.9				
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
573	4780	5340	4250				095	16890	-79.7

NORMALS OF RADIOSONDE DATA

MONTH : MAY TIME : 1730 IST STATION : VISHAKHAPATNAM

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	996	1000	992	31.0	36.2	22.8	26.6	218	4.3	5.1
1000	17	42	2	30.5	33.0	25.0	26.0	217	4.2	5.6
950	468	499	422	28.1	39.0	18.0	21.9	227	5.7	6.9
925	704	713	686	27.8	39.0	18.2	19.5	237	5.2	6.3
900	951	978	925	27.0	37.8	16.4	17.2	254	3.9	5.6
850	1455	1481	1427	24.6	34.2	13.4	12.5	300	2.8	4.7
800	1984	2011	1956	21.0	30.0	10.0	8.4	339	3.1	5.0
750	2534	2563	2508	16.8	25.6	6.0	4.6	357	3.6	5.7
700	3121	3148	3089	12.3	21.0	2.0	0.8	005	4.2	6.3
650	3735	3765	3701	7.5	19.4	-2.0	-2.9	003	4.6	7.0
600	4391	4421	4353	2.9	10.8	-5.0	-6.8	354	4.6	7.2
550	5088	5123	5046	-1.0	7.4	-10.7	-11.5	339	4.3	7.0
500	5846	5884	5803	-5.0	3.2	-12.1	-16.7	320	4.2	7.2
450	6666	6709	6620	-9.6	1.0	-21.0	-21.5	307	4.3	7.6
400	7570	7616	7520	-14.8	-3.1	-23.0	-26.4	293	4.5	8.2
350	8566	8625	8519	-21.2	-11.5	-29.5	-32.1	278	4.7	8.4
300	9691	9780	9640	-28.9	-18.3	-39.5	-39.3	263	5.1	9.0
250	10970	11092	10923	-38.7	-27.3	-51.1	-48.1	252	5.4	9.5
200	12463	12619	12412	-50.5	-38.5	-66.1		231	5.1	10.4
175	13321	13494	13260	-57.5	-41.9	-70.7		215	3.9	10.3
150	14278	14470	14208	-65.2	-49.7	-78.7		180	3.3	10.3
125	15369	15640	15275	-72.5	-55.1	-87.1		127	4.5	10.0
100	16656	16989	16558	-79.2	-61.5	-89.5		101	8.0	10.8
80	17923	18245	17823	-77.7	-60.1	-87.0		095	10.3	11.6
70	18699	19046	18582	-74.1	-54.1	-86.0		095	10.0	11.3
60	19601	19957	19485	-68.8	-54.7	-83.1		094	9.5	10.1
50	20708	21068	20557	-62.9	-50.7	-78.1		097	8.7	9.2
40	22112	22443	21750	-57.8	-42.5	-72.0		091	9.4	10.2
30	23947	24232	23582	-52.6	-39.1	-68.0		092	10.3	11.3
25	25120	25405	24430	-50.2	-34.1	-65.0				
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
562	4910	5440	4610				096	16900	-80.8

NORMALS OF RADIOSONDE DATA

MONTH : JUNE TIME : 1730 IST STATION : VISHAKHAPATNAM

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	993	996	990	30.9	38.0	23.8	26.0	227	4.1	4.9
1000	14	41	1							
950	440	470	390	28.3	37.4	20.2	22.2	237	5.7	6.8
925	679	691	669	27.2	37.6	19.8	20.6	244	5.6	6.9
900	923	939	893	26.0	35.8	18.0	18.9	262	5.2	6.7
850	1425	1442	1393	23.1	32.2	14.0	15.6	286	5.1	6.9
800	1951	1970	1917	19.7	28.2	10.8	12.4	296	5.2	7.3
750	2502	2524	2468	16.2	23.4	6.6	8.8	298	4.9	7.5
700	3087	3110	3048	12.3	19.2	4.4	5.0	299	4.4	7.6
650	3703	3735	3661	8.3	17.4	1.2	1.2	301	4.1	7.6
600	4362	4395	4317	4.4	12.0	-2.5	-2.5	301	4.0	7.5
550	5064	5100	5018	0.4	7.8	-7.0	-6.3	296	3.9	7.3
500	5826	5863	5771	-3.5	4.2	-11.0	-10.8	295	3.2	6.8
450	6650	6690	6589	-7.9	0.0	-15.7	-15.6	309	2.3	6.5
400	7561	7606	7502	-12.9	-4.5	-21.7	-21.3	354	1.3	6.2
350	8565	8622	8505	-19.2	-12.5	-28.5	-27.7	062	2.4	6.3
300	9699	9757	9639	-27.0	-18.5	-36.3	-35.0	081	4.8	7.4
250	10988	11065	10927	-36.9	-28.0	-45.9	-44.7	086	7.9	9.8
200	12493	12589	12415	-49.3	-39.1	-57.5	-55.4	086	12.3	13.7
175	13356	13452	13272	-56.5	-48.1	-66.0		086	15.0	16.3
150	14317	14424	14217	-64.7	-56.1	-76.1		085	18.1	19.3
125	15412	15544	15288	-72.5	-53.5	-86.1		085	21.6	22.8
100	16694	16862	16546	-79.3	-63.1	-90.7		086	23.0	23.9
80	17962	18177	17777	-76.8	-57.1	-90.1		086	21.5	21.9
70	18743	19026	18529	-72.5	-57.1	-86.0		089	19.2	19.7
60	19654	19976	19444	-67.3	-51.1	-81.3		092	17.1	17.5
50	20772	21145	20521	-61.6	-42.7	-79.1		093	16.0	16.5
40	22163	22540	21879	-57.1	-40.1	-76.1		088	16.4	16.8
30	24015	24452	23541	-51.2	-38.9	-64.7				
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
544	5150	5540	4820				097	16880	-81.1

NORMALS OF RADIOSONDE DATA

MONTH : JULY TIME : 1730 IST STATION : VISHAKHAPATNAM

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	994	996	992	29.6	38.6	24.0	25.4	232	4.3	4.9
1000	10	26	0							
950	442	473	404	26.7	35.6	20.0	22.0	243	6.4	7.1
925	675	683	666	25.3	33.4	19.0	20.2	252	7.1	7.9
900	924	946	905	24.0	31.0	17.8	19.1	263	6.7	7.7
850	1422	1446	1401	21.1	29.4	14.2	16.2	278	7.0	8.1
800	1946	1968	1925	18.0	28.0	11.2	13.2	284	7.3	8.6
750	2493	2516	2471	14.9	24.0	7.6	9.8	281	7.3	8.6
700	3078	3099	3052	11.5	20.0	3.0	6.1	278	6.9	8.5
650	3692	3714	3662	8.1	18.0	-0.5	2.4	274	6.3	8.1
600	4351	4382	4324	4.5	14.8	-4.3	-1.3	275	5.6	7.8
550	5053	5084	5022	0.8	9.8	-8.0	-5.1	275	4.2	7.2
500	5817	5847	5789	-3.1	4.0	-11.0	-9.7	282	2.6	6.5
450	6642	6678	6614	-7.6	2.4	-14.7	-14.9	317	1.0	6.0
400	7555	7593	7512	-12.8	-5.3	-22.0	-20.6	057	2.0	6.1
350	8558	8606	8508	-19.2	-10.5	-27.0	-27.2	077	4.6	7.1
300	9693	9754	9628	-27.1	-17.9	-38.0	-35.7	085	7.8	9.4
250	10983	11073	10901	-37.0	-28.1	-49.0	-45.3	086	12.6	13.5
200	12488	12597	12379	-49.2	-38.3	-60.0	-55.3	082	18.8	19.5
175	13351	13468	13225	-56.6	-45.3	-67.7		079	21.8	22.5
150	14311	14449	14168	-64.7	-54.3	-76.9		078	25.3	26.1
125	15403	15567	15230	-72.8	-57.3	-89.5		079	29.4	30.2
100	16693	16912	16495	-79.0	-66.1	-90.1		084	31.4	32.2
80	17981	18284	17784	-74.0	-59.1	-86.7		086	27.0	27.4
70	18773	19157	18567	-69.7	-52.7	-82.0		086	24.1	24.6
60	19701	20083	19486	-65.3	-48.1	-81.1		089	21.6	22.0
50	20821	21188	20583	-61.0	-38.1	-74.0		090	20.2	20.6
40	22243	22648	21820	-56.9	-38.1	-68.0		091	20.7	21.1
30	24091	24623	23842	-52.3	-36.3	-62.7				
25	25268	25868	24900	-50.6	-35.5	-60.5				
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
540	5200	5550	4850				101	16650	-80.4

NORMALS OF RADIOSONDE DATA

MONTH : AUGUST TIME : 1730 IST STATION : VISHAKHAPATNAM

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	995	996	993	29.5	35.6	23.6	25.5	234	3.9	4.5
1000	8	19	0							
950	445	463	405	26.6	35.4	19.6	21.9	245	5.8	6.7
925	687	698	679	25.0	31.0	17.8	20.0	254	5.9	7.0
900	928	943	910	23.8	32.0	15.6	19.1	265	6.1	7.2
850	1426	1443	1408	20.9	29.8	12.4	16.3	281	6.6	7.9
800	1949	1968	1929	17.8	26.0	10.2	13.3	285	6.9	8.3
750	2497	2522	2477	14.7	22.4	8.0	9.9	282	6.8	8.4
700	3080	3107	3057	11.5	18.8	4.4	6.5	277	6.4	8.1
650	3695	3727	3671	8.2	16.0	1.4	2.7	274	5.9	8.0
600	4354	4389	4323	4.7	12.8	-2.7	-1.2	276	5.0	7.6
550	5057	5097	5024	0.9	10.0	-7.1	-5.1	279	3.7	7.1
500	5820	5862	5782	-3.1	4.8	-10.1	-9.5	289	2.4	6.6
450	6647	6693	6609	-7.6	0.2	-17.7	-14.8	318	0.9	6.4
400	7558	7605	7518	-12.9	-5.9	-23.5	-20.6	063	1.8	6.5
350	8562	8623	8524	-19.3	-10.5	-29.5	-27.2	079	4.4	7.1
300	9696	9775	9655	-27.1	-18.9	-37.9	-35.6	086	7.4	9.0
250	10983	11087	10919	-37.1	-27.9	-47.1	-45.3	087	12.0	13.1
200	12486	12625	12390	-49.5	-39.1	-59.0	-55.8	083	17.3	18.1
175	13348	13505	13241	-56.7	-46.9	-68.0		081	20.5	21.3
150	14308	14486	14177	-64.9	-54.5	-76.0		078	23.5	24.4
125	15400	15599	15274	-72.8	-61.1	-86.1		080	26.9	27.7
100	16688	16937	16548	-78.7	-66.0	-89.9		084	28.4	29.2
80	17979	18265	17828	-73.4	-59.9	-89.9		086	24.8	25.2
70	18772	19068	18597	-69.7	-54.5	-86.1		086	22.4	22.7
60	19694	20017	19504	-66.1	-53.1	-82.5		090	21.1	21.4
50	20809	21131	20555	-62.1	-46.1	-78.1		090	20.2	20.6
40	22212	22601	21915	-58.6	-43.5	-73.5				
30	24053	24449	23813	-54.3	-37.1	-68.3				
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
538	5230	5660	4960				102	16590	-80.2

NORMALS OF RADIOSONDE DATA

MONTH : SEPTEMBER TIME : 1730 IST STATION : VISHAKHAPATNAM

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	998	1000	995	29.4	34.8	22.6	25.5	220	2.5	3.7
1000	23	43	4	29.6	32.0	26.0	25.4	203	2.3	3.6
950	469	498	427	26.1	33.0	20.0	21.8	229	3.2	5.4
925	706	717	694	24.6	29.8	19.6	20.0	241	3.3	5.8
900	953	972	934	23.3	30.2	14.2	18.5	260	2.4	5.2
850	1451	1469	1431	20.4	26.6	11.6	15.5	295	2.4	5.5
800	1972	1990	1951	17.3	28.2	9.0	12.3	310	2.8	6.0
750	2519	2535	2499	14.2	25.0	6.0	8.6	309	2.8	6.1
700	3101	3120	3080	10.9	18.2	3.0	4.7	301	2.4	6.0
650	3715	3733	3694	7.6	18.0	-0.3	0.7	286	1.8	5.8
600	4372	4392	4351	4.1	11.0	-3.3	-3.5	272	1.2	5.7
550	5074	5094	5044	0.3	6.4	-8.1	-7.7	266	0.6	5.6
500	5834	5857	5810	-3.8	2.4	-13.5	-12.4	100	0.2	5.6
450	6657	6683	6629	-8.5	-1.9	-18.5	-17.3	084	1.1	5.6
400	7566	7608	7534	-13.8	-6.9	-24.1	-23.2	084	2.4	5.9
350	8566	8622	8529	-20.5	-12.1	-31.7	-29.4	089	4.0	6.5
300	9693	9767	9640	-28.4	-20.5	-40.1	-37.5	090	5.9	7.6
250	10975	11069	10914	-38.4	-29.0	-49.1	-46.6	092	8.4	9.7
200	12471	12591	12401	-50.8	-33.0	-62.3	-57.5	090	12.2	13.3
175	13327	13473	13246	-58.1	-49.1	-70.0		087	14.4	15.5
150	14282	14449	14187	-66.1	-57.1	-78.0		085	16.7	17.8
125	15362	15571	15249	-73.9	-64.1	-86.9		084	19.0	20.0
100	16637	16922	16507	-79.5	-62.1	-88.5		087	20.2	20.8
80	17914	18236	17710	-74.1	-60.1	-90.0		088	17.2	17.7
70	18701	19037	18476	-70.3	-56.5	-83.0		090	16.5	17.1
60	19617	19954	19428	-66.7	-55.5	-74.7		096	14.7	15.2
50	20718	21086	20522	-62.7	-50.5	-72.0		095	14.4	14.9
40	22115	22523	21905	-58.7	-45.1	-67.1				
30										
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
545	5140	5530	4860				104	16460	-80.7

NORMALS OF RADIOSONDE DATA

MONTH : OCTOBER TIME : 1730 IST STATION : VISHAKHAPATNAM

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1002	1005	998	29.0	33.0	21.0	23.9	091	1.4	3.5
1000	58	88	31	28.7	32.0	21.0	23.4	090	1.9	3.6
950	504	540	449	25.4	34.0	17.8	19.3	078	2.5	5.2
925	741	770	722	24.1	30.2	18.6	17.2	068	3.3	5.7
900	985	1017	961	22.4	29.8	15.8	15.7	057	3.1	5.6
850	1481	1512	1456	19.3	26.0	12.6	12.1	045	3.5	6.1
800	2000	2031	1976	16.1	22.4	10.0	8.8	036	3.4	6.3
750	2543	2575	2508	13.0	22.0	6.4	5.2	035	2.8	5.9
700	3124	3153	3095	9.9	17.0	2.6	1.6	042	1.9	5.5
650	3735	3765	3706	6.8	14.2	0.2	-1.9	059	0.8	5.2
600	4390	4418	4360	3.5	10.4	-4.1	-5.8	126	0.5	5.1
550	5090	5118	5058	-0.2	8.0	-9.0	-9.8	148	0.6	5.2
500	5850	5877	5815	-4.3	3.4	-12.0	-14.4	148	0.6	5.4
450	6670	6701	6633	-9.2	0.6	-18.0	-19.2	156	0.6	5.7
400	7575	7618	7537	-14.7	-5.3	-24.0	-25.1	182	0.7	5.9
350	8571	8631	8532	-21.5	-13.1	-29.0	-31.0	180	1.1	6.2
300	9694	9772	9653	-29.5	-20.1	-37.5	-38.7	182	1.6	6.9
250	10968	11075	10932	-39.8	-30.5	-48.1	-48.1	175	2.5	8.0
200	12455	12586	12407	-52.1	-42.5	-64.3		160	3.9	9.7
175	13308	13449	13251	-59.1	-50.1	-68.5		152	4.6	10.4
150	14257	14426	14192	-66.9	-57.5	-76.1		139	5.6	11.3
125	15336	15540	15258	-74.2	-60.9	-82.1		121	6.5	11.0
100	16610	16854	16501	-79.9	-70.5	-92.0		105	8.1	10.7
80	17899	18173	17755	-74.8	-59.1	-83.5		100	7.4	9.5
70	18686	19018	18536	-70.9	-58.1	-81.0		099	7.4	8.8
60	19608	19923	19446	-66.7	-55.1	-82.0		098	7.4	8.2
50	20723	21059	20493	-62.5	-50.9	-73.0		093	8.7	9.5
40	22121	22554	21852	-58.7	-47.1	-69.3				
30										
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
552	5060	5520	4840				103	16480	-80.9

NORMALS OF RADIOSONDE DATA

MONTH : NOVEMBER TIME : 1730 IST STATION : VISHAKHAPATNAM

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1005	1008	1001	27.3	30.4	21.4	21.1	066	3.5	4.4
1000	86	112	53	27.0	30.2	21.2	20.5	069	3.8	4.5
950	528	552	489	23.4	32.2	17.4	15.8	063	5.4	6.2
925	762	776	740	22.1	31.0	17.0	14.2	057	5.6	6.4
900	1006	1027	979	20.4	31.4	14.0	11.9	048	5.5	6.4
850	1498	1518	1472	17.5	29.4	9.4	8.2	037	4.7	6.4
800	2014	2035	1991	14.7	25.2	6.0	4.6	027	3.6	5.9
750	2555	2577	2533	12.1	20.4	5.0	1.4	026	2.7	5.4
700	3133	3154	3112	9.4	17.4	2.4	-2.3	025	1.8	5.1
650	3743	3763	3722	6.5	16.8	-0.9	-5.3	012	1.1	5.1
600	4397	4418	4374	3.1	12.2	-3.9	-9.1	321	0.9	5.5
550	5094	5116	5069	-0.7	7.2	-7.5	-13.1	307	1.3	6.0
500	5852	5880	5827	-5.1	1.8	-11.7	-17.3	297	2.2	6.7
450	6670	6704	6642	-10.1	-1.7	-17.1	-22.1	287	3.4	7.7
400	7571	7616	7542	-15.9	-7.1	-22.7	-27.5	278	4.6	8.5
350	8561	8620	8526	-22.7	-13.7	-29.5	-33.5	265	6.2	9.6
300	9679	9754	9641	-30.7	-20.7	-39.1	-41.1	255	8.3	11.0
250	10947	11030	10902	-40.9	-30.1	-48.5	-50.5	242	10.1	12.5
200	12426	12562	12370	-52.9	-41.9	-61.3		229	11.5	14.4
175	13274	13462	13217	-59.8	-49.3	-72.0		226	11.4	14.3
150	14222	14443	14160	-67.3	-57.1	-77.1		227	10.0	13.3
125	15299	15543	15183	-74.1	-57.5	-81.1		229	7.2	11.2
100	16582	16857	16485	-79.7	-68.1	-90.0		221	3.0	8.5
80	17857	18147	17678	-75.9	-60.9	-84.1		184	0.8	7.2
70	18639	18954	18440	-72.3	-58.3	-81.7		117	0.3	6.4
60	19551	19889	19341	-68.1	-54.5	-81.1		094	1.3	5.5
50	20666	21064	20427	-63.2	-48.9	-76.7		087	3.3	6.5
40	22059	22583	21745	-59.1	-42.5	-72.7				
30										
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
559	4950	5270	4730				101	16560	-80.4

NORMALS OF RADIOSONDE DATA

MONTH : DECEMBER TIME : 1730 IST STATION : VISHAKHAPATNAM

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1007	1009	1004	25.7	29.0	22.0	18.6	078	3.2	3.8
1000	107	127	81	25.2	28.2	15.4	18.0	078	3.6	4.2
950	546	570	507	21.3	28.8	15.0	13.1	067	4.6	5.2
925	778	798	767	20.1	26.2	14.2	11.1	052	4.3	4.8
900	1021	1040	995	18.5	26.6	12.2	9.1	040	4.3	5.1
850	1510	1530	1484	16.1	26.8	9.8	4.4	017	4.0	5.3
800	2023	2046	1998	13.7	24.6	8.0	0.2	004	3.6	5.3
750	2563	2589	2538	11.4	21.0	4.0	-3.4	354	2.7	5.3
700	3138	3166	3110	9.0	19.0	0.0	-7.2	332	2.2	5.2
650	3747	3778	3720	6.0	15.2	-4.3	-10.1	306	2.6	5.8
600	4399	4432	4371	2.6	10.0	-5.0	-13.5	291	3.6	6.5
550	5095	5132	5070	-1.4	8.6	-9.0	-16.6	285	4.6	7.6
500	5850	5885	5826	-6.0	2.4	-15.0	-20.6	279	5.9	8.8
450	6665	6707	6637	-11.2	-2.3	-22.0	-24.4	274	7.6	10.3
400	7561	7607	7529	-17.2	-9.1	-28.0	-30.1	269	9.8	12.4
350	8547	8604	8507	-24.0	-14.1	-34.0	-35.7	267	12.2	14.6
300	9657	9717	9602	-32.0	-22.5	-42.1	-42.7	262	14.9	17.3
250	10919	10988	10851	-41.8	-33.9	-49.9	-51.7	253	17.3	19.9
200	12395	12487	12317	-53.4	-45.7	-63.3		245	18.3	20.9
175	13245	13342	13161	-59.9	-50.3	-69.5		243	17.7	20.3
150	14192	14301	14102	-66.9	-57.5	-76.1		243	16.2	18.7
125	15274	15469	15172	-73.2	-60.5	-83.1		247	12.4	14.6
100	16555	16764	16441	-79.1	-66.1	-89.3		251	6.3	10.4
80	17831	18077	17604	-76.6	-62.1	-88.1		256	2.1	8.0
70	18608	18788	18376	-73.5	-58.5	-87.1		299	1.8	7.1
60	19509	19688	19266	-69.7	-58.9	-81.0		354	1.0	6.2
50	20602	20885	20364	-64.6	-53.5	-74.3				
40	21984	22231	21759	-61.2	-51.5	-69.5				
30										
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
568	4840	5220	4450				099	16660	-80.5