GOVERNMENT OF INDIA
MINISTRY OF EARTH SCIENCES
INDIA METEOROLOGICAL DEPARTMENT

Monthly Normals of Radiosonde and Radiowind

for Indian stations (1971- 2000)

OBSERVATION TIME
0530 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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Additional Director General of Meteorology (Research)
INDIA METEOROLOGICAL DEPARTMENT
Pune
2010

P R E F A C E

Climate has great influence on our lives by affecting 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 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 ADGM (R), 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 0000 UTC (0530 IST). This publication has been prepared under the overall guidance of Dr. H. R. Hatwar, ADGM (R) and 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, O/o ADGM (R), IMD, Pune. The group comprises of Shri. S. C. Buchunde., Shri N. D. Sabale, Smt Hasina Nisar and Smt V. P. Jadhav. I appreciate the help rendered by entire team of officers and Shri Abraham Philipose for carrying out the DTP work.

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
July 2010

Ajit Tyagi
Director General of Meteorology

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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 0000 UTC (0530 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).

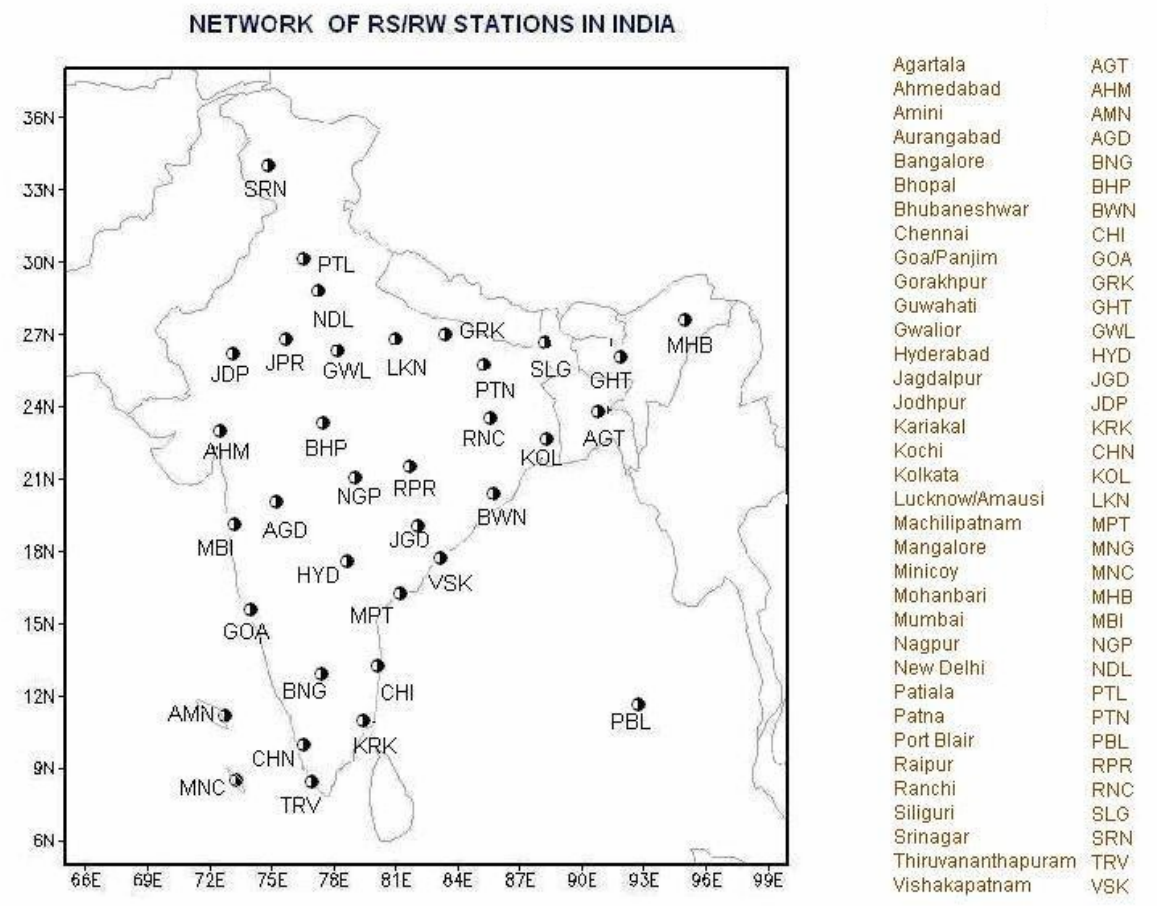
Vr = Mean resultant wind velocity in mps (vector mean).

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

D = Mean resultant wind direction in degrees.

n = Total number of observations.

Annexure-2


NETWORK OF RS/RW STATIONS IN INDIA
36N
33N
30N
27N
24N
21N
18N
15N
12N
9N
6N
66E
69E
72E
75E
78E
81E
84E
87E
90E
93E
96E
99E
SRN
PTL
NDL
GRK
MHB
JDP
JPR
GWL
LKN
SLG
GHT
PTN
RNC
AGT
AHM
BHP
KOL
NGP
RPR
BWN
AGD
MBI
JGD
HYD
VSK
MPT
GOA
BNG
CHI
AMN
PBL
KRK
CHN
MNC
TRV
Agartala AGT
Ahmedabad AHM
Amini AMN
Aurangabad AGD
Bangalore BNG
Bhopal BHP
Bhubaneshwar BWN
Chennai CHI
Goa/Panjim GOA
Gorakhpur GRK
Guwahati GHT
Gwalior GWL
Hyderabad HYD
Jagdalpur JGD
Jodhpur JDP
Kariakal KRK
Kochi CHN
Kolkata KOL
Lucknow/Amausi LKN
Machilipatnam MPT
Mangalore MNG
Minicoy MNC
Mohanbari MHB
Mumbai MBI
Nagpur NGP
New Delhi NDL
Patiala PTL
Patna PTN
Port Blair PBL
Raipur RPR
Ranchi RNC
Siliguri SLG
Srinagar SRN
Thiruvananthapuram TRV
Vishakapatnam VSK

Annexure-3

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

S.No.	Station	LAT °N (deg min)	LONG °E (deg min)	Elevation amsl(m)	Data Availability
1	Agartala	23 53	91 15	0016	1978-2000
2	Ahmedabad	23 04	72 38	0055	1971-2000
3	Amini	11 07	72 44	0004	1977-2000
4	Aurangabad	19 51	75 24	0579	1979-2000
5	Bangaluru	12 58	77 35	0921	1971-2000
6	Bhopal	23 17	77 21	0523	1983-2000
7	Bhubaneshwar	20 15	85 50	0046	1971-2000
8	Chennai	13 00	80 11	0016	1971-2000
9	Goa	15 29	73 49	0060	1971-2000
10	Gorakhpur	26 45	83 22	0077	1981-2000
11	Guwahati	26 06	91 35	0054	1971-2000
12	Gwalior	26 14	78 15	0207	1978-2000
13	Hyderabad	17 27	78 28	0545	1971-2000
14	Jagdalpur	19 05	82 02	0553	1979-2000
15	Jodhpur	26 18	73 01	0224	1971-2000
16	Karaikal	10 55	79 50	0007	1978-2000
17	Kochi	09 57	76 16	0003	1971-2000
18	Kolkata	22 39	88 27	0006	1971-2000
19	Lucknow	26 45	80 53	0128	1971-2000
20	Machilipatnam	16 12	81 09	0003	1982-2000
21	Mangalore	12 57	50 31	0031	1975-2000
22	Minicoy	08 18	73 09	0002	1971-2000
23	Mohanbari	27 29	95 01	0111	1978-2000
24	Mumbai	19 07	72 51	0014	1971-2000
25	Nagpur	21 06	79 03	0310	1971-2000
26	New Delhi	28 35	77 12	0216	1971-2000
27	Patiala	30 20	76 28	0251	1977-2000
28	Patna	25 36	85 06	0060	1983-2000
29	Port Blair	11 40	92 43	0079	1971-2000
30	Raipur	21 14	81 39	0625	1979-2000
31	Ranchi	23 26	85 24	0646	1978-2000
32	Siliguri	26 40	88 22	0123	1983-2000
33	Srinagar	34 05	74 50	1587	1972-2000
34	Thiruvanathapuram	08 29	76 57	0064	1971-2000
35	Vishakhapatnam	17 43	83 14	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 .

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	Bangalore	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
		November - December	83 – 84

C O N T E N T S

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
		November - December	251 – 252

C O N T E N T S

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
		November - December	299 – 300
26	New Delhi	January - February	301 – 302
		March - April	303 – 304
		May - June	305 – 306
		July - August	307 – 308
		September - October	309 – 310
		November - December	311 – 312
27	Patiala	January - February	313 – 314
		March - April	315 – 316
		May - June	317 – 318
		July - August	319 – 320
		September - October	321 – 322
		November - December	323 – 324
28	Patna	January - February	325 – 326
		March - April	327 – 328
		May - June	329 – 330
		July - August	331 – 332
		September - October	333 – 334
		November - December	335 – 336

C O N T E N T S

SN	STATION	MONTH	PAGE
29	Port Blair	January - February	337 – 338
		March - April	339 – 340
		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	Thiruvanathapuram	January - February	397 – 398
		March - April	399 – 400
		May - June	401 – 402
		July - August	403 – 404
		September - October	405 – 406
		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
		November - December	419 – 420

NORMALS OF RADIOSONDE DATA

MONTH : JANUARY TIME : 0530 IST STATION : AGARTALA

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1013	1015	1012	11.3	24.8	4.8	10.3	017	0.0	0.1
1000	128	148	113	13.1	21.0	6.0	10.1	007	1.4	2.4
950	553	584	527	15.9	24.8	5.8	8.2	351	1.7	3.3
925	788	811	777	14.8	23.6	6.4	6.6	328	1.8	3.2
900	1023	1042	1007	13.5	22.4	4.2	4.1	316	2.0	3.8
850	1502	1522	1482	10.8	18.2	1.6	-0.9	294	3.1	4.8
800	2006	2027	1983	8.5	16.4	0.0	-5.0	284	5.0	6.6
750	2536	2562	2516	6.3	18.0	-5.1	-8.0	283	7.3	9.0
700	3100	3128	3075	4.1	16.4	-3.9	-10.4	280	9.7	11.1
650	3699	3734	3671	1.3	14.6	-8.5	-12.9	277	12.1	13.4
600	4342	4380	4311	-2.0	11.0	-12.7	-15.3	275	14.7	16.1
550	5041	5096	4995	-5.9	7.2	-17.3	-19.6	274	17.3	18.6
500	5769	5831	5729	-10.4	3.2	-20.7		272	20.4	22.0
450	6577	6651	6531	-15.4	-1.9	-25.9		271	23.2	25.3
400	7456	7541	7398	-21.0	-6.9	-32.7		270	26.0	28.1
350	8433	8530	8381	-27.2	-13.3	-42.7		268	29.2	31.4
300	9527	9663	9459	-34.3	-20.7	-50.3		268	31.5	33.9
250	10783	10949	10690	-42.7	-29.5	-56.5		269	33.6	36.0
200	12262	12605	12138	-52.6	-40.3	-64.9		268	36.6	38.5
175	13114	13335	12979	-58.0	-45.7	-72.1				
150	14071	14309	13938	-63.6	-46.3	-74.5				
125	15182	15428	15043	-69.8	-57.1	-80.9				
100	16483	16728	16332	-74.4	-56.5	-84.1				
80	17783	18045	17580	-73.8	-54.7	-85.7				
70	18581	18870	18380	-71.1	-47.1	-84.3				
60	19491	19848	19323	-66.5	-44.7	-84.1				
50										
40										
30										
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
633	3930	4750	3300				100	16570	-75.9

NORMALS OF RADIOSONDE DATA

MONTH : FEBRUARY TIME : 0530 IST STATION : AGARTALA

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1011	1013	1007	14.3	25.0	5.0	13.1	147	0.1	0.4
1000	113	131	80	15.8	24.8	7.6	12.7	007	0.6	2.7
950	542	571	499	18.2	27.0	10.8	9.8	320	1.1	3.9
925	780	795	765	17.3	24.6	10.2	9.0	293	1.6	3.9
900	1015	1037	982	15.7	23.6	8.4	6.1	291	2.5	4.6
850	1498	1521	1465	12.7	21.8	5.4	2.3	285	4.4	5.9
800	2005	2038	1971	9.7	19.8	1.8	-1.2	281	6.1	7.4
750	2534	2568	2489	6.8	17.6	-0.7	-4.4	282	8.3	9.6
700	3101	3138	3069	3.8	15.2	-4.5	-7.4	280	10.6	11.8
650	3696	3743	3652	0.7	12.0	-8.1	-10.4	278	12.8	14.0
600	4340	4384	4299	-2.4	9.0	-11.3	-14.0	275	15.1	16.3
550	5036	5079	4981	-6.3	5.0	-16.3	-17.6	273	17.6	18.8
500	5764	5811	5719	-10.8	3.6	-21.1	-21.1	272	20.0	21.4
450	6571	6644	6523	-15.9	-4.3	-27.9	-26.0	271	23.0	24.8
400	7444	7516	7405	-21.6	-9.7	-33.1		269	26.5	28.4
350	8421	8515	8368	-27.7	-15.5	-40.7		268	28.7	31.0
300	9511	9620	9450	-34.4	-22.1	-50.5		268	32.4	35.1
250	10764	10892	10667	-42.7	-28.5	-55.7		269	34.5	38.0
200	12238	12381	12151	-52.3	-39.3	-64.7		271	35.4	38.4
175	13096	13256	13003	-57.4	-43.9	-66.7				
150	14058	14245	13955	-62.8	-49.5	-72.1				
125	15164	15388	15009	-68.2	-55.1	-79.9				
100	16485	16741	16340	-73.0	-61.7	-85.1				
80	17784	18062	17596	-73.3	-59.3	-86.9				
70	18575	18893	18405	-71.3	-59.1	-84.1				
60	19493	19830	19314	-67.6	-51.1	-82.5				
50	20602	20961	20406	-62.6	-50.3	-78.3				
40										
30										
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
640	3840	4550	3200				97	16720	-74.6

NORMALS OF RADIOSONDE DATA

MONTH : MARCH TIME : 0530 IST STATION : AGARTALA

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1009	1011	1005	19.9	26.8	9.8	18.2	182	0.8	1.2
1000	92	106	74	20.6	27.2	11.0	17.6	203	1.3	3.2
950	528	550	494	21.7	30.2	12.8	14.2	237	2.8	5.2
925	769	780	746	20.9	29.2	14.4	13.1	240	3.8	5.5
900	1006	1019	989	19.5	28.6	9.6	10.2	260	4.2	5.9
850	1496	1512	1480	16.4	27.4	6.2	6.2	267	5.6	7.0
800	2009	2028	1994	13.0	24.0	2.8	2.7	272	7.3	8.4
750	2541	2563	2511	9.4	22.8	1.0	-0.8	274	9.4	10.5
700	3116	3136	3101	5.9	20.6	-2.1	-4.8	277	11.6	12.6
650	3714	3739	3681	2.3	12.6	-6.3	-9.0	278	13.4	14.4
600	4362	4388	4337	-1.2	8.4	-10.3	-13.1	277	15.0	16.1
550	5062	5098	5015	-5.0	7.4	-15.3	-16.8	277	16.8	17.9
500	5794	5836	5740	-9.5	2.2	-19.3	-21.0	275	18.9	20.2
450	6602	6652	6526	-14.7	-2.3	-28.1	-25.6	274	21.1	22.4
400	7482	7545	7385	-20.6	-9.3	-31.9	-30.7	272	23.8	25.2
350	8462	8538	8331	-27.1	-13.1	-39.9		271	25.6	27.2
300	9554	9658	9405	-34.3	-19.7	-46.5		269	28.1	29.9
250	10807	10946	10666	-42.6	-28.1	-54.5		266	31.1	33.4
200	12286	12448	12169	-51.4	-40.1	-62.7		263	32.1	34.5
175	13139	13313	13032	-56.3	-45.1	-68.7		264	31.1	33.2
150	14104	14276	14001	-61.6	-48.1	-74.1				
125	15213	15400	15068	-67.2	-53.1	-85.3				
100	16542	16759	16404	-72.3	-59.1	-83.9				
80	17846	18085	17647	-72.7	-60.1	-83.5				
70	18638	18865	18447	-70.5	-59.3	-83.5				
60	19558	19786	19355	-66.2	-51.5	-81.9				
50	20679	20932	20454	-60.7	-45.1	-77.1				
40	22063	22326	21792	-55.7	-42.1	-70.9				
30										
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
615	4170	4640	3530				100	16820	-74.3

NORMALS OF RADIOSONDE DATA

MONTH : APRIL TIME : 0530 IST STATION : AGARTALA

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1006	1009	1004	23.5	28.4	15.6	21.8	170	1.4	2.0
1000	71	94	51	23.6	29.0	16.2	21.5	171	2.1	3.2
950	510	541	480	23.9	31.0	16.0	19.2	195	4.4	6.3
925	756	773	739	23.1	30.4	15.6	17.2	210	4.7	5.9
900	994	1011	972	22.0	30.8	13.6	15.0	221	5.4	7.0
850	1489	1502	1465	19.5	31.2	9.6	10.6	240	6.2	7.6
800	2009	2021	1985	16.3	26.8	5.0	6.3	255	7.2	8.4
750	2544	2567	2512	12.5	24.0	-0.1	2.2	266	8.5	9.7
700	3129	3144	3104	8.4	22.2	-4.3	-1.5	273	10.1	11.4
650	3730	3751	3700	4.2	20.4	-7.1	-5.8	278	11.6	12.8
600	4384	4416	4356	0.3	12.2	-8.5	-10.0	277	12.8	14.0
550	5085	5123	5047	-3.5	8.8	-12.1	-14.9	276	13.7	15.1
500	5824	5867	5787	-7.8	4.0	-17.1	-19.3	274	14.9	16.3
450	6639	6696	6586	-12.8	-1.1	-22.9	-23.9	272	16.5	18.0
400	7525	7590	7459	-18.5	-6.9	-30.1	-28.6	270	18.4	20.2
350	8511	8591	8423	-25.1	-13.9	-36.7	-34.2	268	19.9	22.2
300	9614	9712	9503	-32.5	-21.1	-45.1	-41.2	265	22.4	24.7
250	10875	10991	10745	-41.4	-29.7	-52.7		264	25.5	27.7
200	12358	12501	12208	-51.2	-39.9	-68.1		261	26.1	28.1
175	13211	13370	13056	-56.4	-46.3	-65.1		263	25.8	27.6
150	14172	14342	14030	-62.0	-50.1	-71.1		266	25.5	27.0
125	15281	15501	15095	-67.7	-52.9	-79.5		266	20.8	22.6
100	16604	16874	16473	-72.4	-55.7	-87.5				
80	17900	18241	17771	-73.0	-54.5	-84.5				
70	18686	19109	18502	-70.5	-53.7	-81.7				
60	19602	20048	19431	-66.6	-49.9	-79.5				
50	20719	21154	20540	-61.3	-43.1	-74.7				
40	22116	22545	21948	-56.6	-38.9	-69.5				
30	23950	24477	23783	-52.0	-34.7	-66.3				
25	25129	25694	24919	-49.0	-34.1	-66.7				
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
594	4470	5020	3890				95	16910	-74.4

NORMALS OF RADIOSONDE DATA

MONTH : MAY TIME : 0530 IST STATION : AGARTALA

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1004	1006	1002	24.9	29.8	19.4	23.4	154	1.3	2.0
1000	49	73	34	24.9	30.0	19.6	23.2	160	1.6	2.4
950	489	511	454	24.7	31.8	17.2	21.6	183	4.5	6.0
925	732	744	720	24.1	30.6	16.4	20.4	191	4.6	6.0
900	975	995	957	22.7	30.4	14.8	18.4	205	5.1	6.8
850	1472	1490	1453	20.2	30.2	12.8	14.7	222	5.1	7.0
800	1994	2009	1974	17.4	27.2	10.2	10.6	241	5.4	7.3
750	2535	2560	2508	14.0	25.4	6.4	6.3	259	5.9	7.9
700	3122	3142	3100	10.2	19.2	3.4	2.2	271	7.0	8.9
650	3729	3757	3702	6.2	13.4	-1.1	-2.3	276	8.2	10.2
600	4386	4411	4365	2.4	10.2	-5.9	-6.9	277	8.6	10.7
550	5095	5127	5056	-1.3	7.4	-9.7	-10.8	275	8.7	10.9
500	5840	5867	5812	-5.1	3.8	-12.7	-14.9	272	9.1	11.3
450	6667	6708	6618	-9.6	-0.9	-18.1	-18.8	268	9.9	12.1
400	7564	7612	7528	-14.7	-6.1	-25.3	-23.8	264	10.8	13.2
350	8563	8629	8522	-21.0	-11.7	-33.3	-29.7	260	12.3	14.7
300	9688	9781	9645	-28.6	-19.7	-42.3	-36.5	256	14.0	16.2
250	10971	11090	10916	-37.9	-25.7	-52.3		254	15.2	17.6
200	12473	12619	12411	-49.2	-40.3	-63.9		251	15.8	18.4
175	13338	13511	13256	-55.6	-46.1	-67.1		251	15.6	17.9
150	14308	14512	14216	-62.3	-53.5	-74.3		252	13.9	16.5
125	15418	15653	15299	-69.2	-59.1	-82.3		252	11.5	14.4
100	16733	16955	16591	-74.5	-61.9	-84.1		251	7.9	12.5
80	18031	18241	17900	-74.4	-58.1	-83.9				
70	18817	19043	18694	-71.3	-50.1	-83.5				
60	19732	20062	19603	-66.1	-41.9	-78.1				
50	20854	21155	20690	-60.3	-43.9	-71.5				
40	22267	22464	22097	-54.8	-41.3	-64.7				
30	24131	24457	23908	-49.6	-35.1	-59.7				
25	25305	25686	25074	-47.0	-35.9	-56.7				
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
567	4850	5210	4630				96	16970	-76.3

NORMALS OF RADIOSONDE DATA

MONTH : JUNE TIME : 0530 IST STATION : AGARTALA

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1000	1002	997	26.1	29.8	20.8	24.7	160	2.1	2.4
1000	18	34	3	25.9	31.8	21.0	24.6	164	2.4	2.7
950	459	483	429	25.1	32.0	19.2	23.0	173	6.4	7.4
925	706	719	684	24.3	29.4	18.2	21.7	181	6.8	7.8
900	945	961	912	23.0	30.6	17.0	20.2	187	6.7	8.1
850	1443	1460	1407	20.6	28.6	13.4	17.3	197	5.9	7.7
800	1967	1986	1928	18.0	27.8	10.2	14.3	205	5.1	7.4
750	2514	2539	2468	15.1	22.4	6.8	10.9	214	4.3	7.4
700	3100	3121	3059	11.9	20.2	3.0	7.2	222	3.9	7.4
650	3714	3739	3665	8.5	18.0	-0.5	3.1	223	3.4	7.6
600	4376	4399	4334	5.1	14.8	-1.1	-0.9	223	3.1	7.5
550	5096	5135	5064	1.4	11.2	-6.1	-4.7	213	3.0	7.3
500	5846	5883	5808	-2.4	7.6	-9.3	-8.8	204	2.7	6.9
450	6683	6729	6646	-6.7	3.4	-14.3	-13.8	192	2.6	6.8
400	7590	7647	7552	-11.8	-1.3	-19.1	-19.6	189	2.8	6.9
350	8602	8661	8564	-17.9	-5.3	-26.7	-26.3	188	2.9	7.2
300	9739	9823	9687	-25.6	-14.9	-32.7	-33.9	175	2.6	7.7
250	11035	11133	10974	-35.2	-25.7	-45.7	-43.0	159	2.1	8.6
200	12549	12686	12476	-47.6	-36.9	-58.3		113	1.6	9.5
175	13414	13565	13333	-54.8	-45.1	-65.1		069	1.9	9.8
150	14381	14555	14297	-62.5	-50.9	-74.9		059	3.6	10.4
125	15485	15675	15338	-70.4	-56.7	-82.3		064	5.4	10.9
100	16791	17003	16618	-76.0	-61.3	-88.5		073	7.0	10.8
80	18082	18294	17920	-74.3	-57.9	-85.1		080	9.4	11.7
70	18884	19124	18692	-70.4	-52.5	-84.5				
60	19804	20076	19610	-65.4	-46.3	-79.5				
50	20922	21207	20695	-59.1	-45.5	-74.5				
40	22332	22761	22086	-54.0	-37.9	-66.9				
30	24173	24697	23867	-49.1	-35.1	-58.1				
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
531	5370	5770	5080				98	16920	-77.6

NORMALS OF RADIOSONDE DATA

MONTH : JULY TIME : 0530 IST STATION : AGARTALA

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1000	1002	997	25.9	28.2	23.0	24.6	165	2.4	2.7
1000	18	37	2	25.7	28.2	23.0	24.6	170	3.1	3.4
950	458	480	419	24.8	30.6	19.4	22.9	174	6.9	7.8
925	696	715	665	23.8	29.6	18.4	21.7	174	7.1	8.2
900	945	960	924	22.8	28.8	17.8	20.8	189	7.1	8.4
850	1443	1457	1426	20.4	26.6	14.2	18.1	194	6.2	7.9
800	1966	1981	1944	17.9	24.2	11.8	15.3	196	5.4	7.4
750	2516	2533	2485	15.2	22.0	8.4	12.3	199	4.6	7.1
700	3100	3118	3078	12.3	20.6	5.4	8.9	200	4.0	6.9
650	3719	3739	3698	9.2	17.4	2.0	5.3	197	3.5	6.7
600	4380	4401	4357	5.9	14.2	-1.5	1.5	186	3.2	6.4
550	5104	5149	5067	2.3	10.4	-4.5	-2.4	173	3.0	6.4
500	5854	5887	5825	-1.7	5.8	-9.1	-6.7	158	3.2	6.4
450	6695	6745	6655	-6.1	0.4	-15.9	-11.8	142	3.3	6.2
400	7601	7648	7569	-11.2	-2.9	-22.5	-17.8	128	4.0	6.6
350	8614	8670	8579	-17.4	-3.3	-29.5	-25.0	113	5.0	7.3
300	9756	9827	9711	-25.1	-17.7	-37.3	-33.0	099	6.4	8.5
250	11056	11143	10991	-34.9	-25.7	-47.1	-42.7	088	7.9	10.3
200	12573	12672	12495	-47.3	-37.5	-58.9		075	10.0	12.9
175	13441	13547	13361	-54.7	-45.5	-67.5		072	12.0	14.7
150	14412	14531	14315	-62.5	-52.9	-74.9		071	13.7	16.3
125	15517	15669	15406	-70.4	-58.1	-81.5		076	16.1	18.1
100	16820	17015	16698	-75.5	-64.1	-84.3		080	17.5	19.1
80	18119	18323	17995	-72.5	-53.5	-86.5		081	19.2	20.5
70	18912	19170	18800	-68.7	-51.1	-81.1		083	18.9	19.8
60	19833	20107	19702	-64.1	-49.7	-75.9		084	18.8	19.6
50	20959	21301	20795	-59.3	-43.9	-72.0				
40	22356	22819	22131	-55.3	-42.7	-67.3				
30	24211	24786	23960	-50.8	-36.5	-61.3				
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
521	5520	5960	5270				101	16790	-77.0

NORMALS OF RADIOSONDE DATA

MONTH : AUGUST TIME : 0530 IST STATION : AGARTALA

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1001	1003	999	25.9	29.0	23.6	23.8	158	1.7	1.9
1000	27	56	5	25.8	29.0	23.6	24.7	164	2.4	2.7
950	466	502	433	24.8	32.6	20.0	23.0	167	5.5	6.7
925	714	735	676	24.1	30.6	18.4	21.8	171	5.7	6.8
900	953	980	933	22.8	29.2	16.0	20.5	175	5.5	7.1
850	1451	1475	1430	20.4	26.8	13.4	17.9	175	4.8	6.8
800	1974	1997	1953	17.9	24.2	12.0	15.1	174	4.2	6.5
750	2523	2549	2492	15.2	21.0	9.0	12.0	171	4.0	6.3
700	3108	3136	3084	12.3	19.2	4.8	8.6	169	3.6	6.3
650	3726	3763	3701	9.3	16.8	1.8	4.9	163	3.5	6.4
600	4388	4426	4359	5.9	13.0	-2.1	1.1	155	3.6	6.2
550	5111	5157	5062	2.1	9.4	-5.5	-3.0	146	3.5	6.0
500	5862	5908	5829	-1.9	5.4	-9.1	-7.4	137	3.7	6.0
450	6701	6754	6662	-6.4	0.2	-15.1	-12.5	125	4.3	6.2
400	7607	7663	7573	-11.5	-5.3	-25.3	-18.7	117	4.8	6.8
350	8619	8682	8588	-17.7	-9.5	-29.1	-25.7	108	6.0	7.6
300	9758	9825	9717	-25.3	-14.3	-38.9	-33.6	098	7.3	9.0
250	11057	11136	11004	-35.3	-27.3	-50.3	-43.2	085	8.9	10.9
200	12572	12662	12498	-47.8	-39.7	-64.5		073	11.0	13.0
175	13438	13542	13344	-55.2	-45.5	-71.5		073	12.8	14.8
150	14406	14525	14299	-62.8	-51.3	-71.3		069	13.9	16.0
125	15508	15660	15386	-70.4	-58.1	-79.7		073	15.0	17.0
100	16814	16975	16678	-75.0	-58.3	-84.7		077	16.5	17.9
80	18114	18304	17946	-71.7	-57.1	-83.3		082	17.7	18.6
70	18912	19109	18723	-67.7	-53.3	-76.7		084	17.5	18.3
60	19841	20030	19598	-63.1	-49.1	-75.9		086	17.5	18.2
50	20971	21202	20710	-58.8	-44.1	-68.5		087	18.1	19.1
40	22388	22631	22229	-54.6	-35.1	-67.3				
30	24246	24555	24059	-50.9	-34.1	-60.7				
25	25406	25832	25060	-49.1	-35.5	-59.7				
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
523	5500	5920	5210				103	16700	-76.4

NORMALS OF RADIOSONDE DATA

MONTH : SEPTEMBER TIME : 0530 IST STATION : AGARTALA

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1004	1006	1001	25.4	28.4	21.6	24.3	161	1.0	1.4
1000	56	69	25	25.3	28.0	21.4	24.1	164	1.7	2.2
950	495	521	448	24.6	31.8	19.6	22.3	172	3.9	5.4
925	737	755	697	23.9	30.2	19.4	20.8	172	3.7	5.3
900	982	997	947	22.6	28.4	16.6	19.5	183	3.8	5.6
850	1479	1498	1442	20.0	28.4	13.6	16.7	190	3.4	5.5
800	2001	2023	1965	17.3	26.4	9.6	13.5	193	3.1	5.5
750	2543	2576	2515	14.4	22.4	6.2	10.2	195	3.1	5.5
700	3131	3160	3095	11.4	18.6	4.6	6.7	195	2.9	5.5
650	3743	3780	3704	8.2	16.4	1.8	2.8	196	2.9	5.6
600	4405	4441	4373	4.7	12.2	-1.3	-1.1	195	2.7	5.6
550	5123	5164	5088	0.9	8.4	-4.7	-5.3	194	2.7	5.9
500	5872	5911	5839	-3.1	4.0	-9.7	-9.6	197	2.4	5.9
450	6705	6751	6662	-7.6	-0.5	-14.5	-14.7	186	2.0	5.8
400	7610	7651	7574	-12.8	-5.5	-22.3	-20.4	167	2.0	6.1
350	8616	8670	8573	-19.1	-10.7	-29.5	-27.5	153	1.9	6.4
300	9749	9817	9693	-26.9	-17.5	-38.3	-35.1	133	2.2	6.9
250	11038	11120	10974	-37.0	-25.9	-48.7	-44.8	110	2.4	7.9
200	12544	12639	12461	-49.5	-40.3	-60.1		078	3.0	9.6
175	13407	13511	13323	-56.6	-46.3	-68.1		068	3.6	10.8
150	14366	14488	14236	-64.1	-53.3	-74.5		067	4.5	11.3
125	15461	15598	15350	-71.4	-58.1	-82.5		079	6.2	11.5
100	16760	16923	16639	-75.9	-64.3	-86.3		084	7.9	11.4
80	18062	18263	17885	-72.1	-58.1	-81.5		079	9.8	12.3
70	18861	19085	18691	-68.1	-51.9	-79.5		082	10.6	12.7
60	19787	19977	19589	-63.8	-50.3	-77.0		090	10.6	12.7
50	20914	21140	20708	-59.1	-43.9	-73.0		090	11.0	12.9
40	22311	22540	22033	-55.2	-41.9	-69.0				
30	24149	24461	23808	-51.9	-37.7	-62.0				
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
539	5290	5680	4980				102	16630	-77.2

NORMALS OF RADIOSONDE DATA

MONTH : OCTOBER TIME : 0530 IST STATION : AGARTALA

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1008	1011	1006	23.1	29.0	17.0	22.1	156	0.3	0.6
1000	90	115	69	23.4	28.2	17.4	21.8	102	0.4	1.8
950	523	563	489	23.6	31.4	16.6	19.2	113	0.5	3.6
925	773	795	756	22.8	30.2	16.0	17.2	092	0.2	3.2
900	1011	1032	992	21.5	29.4	14.8	15.4	186	0.5	3.8
850	1505	1524	1481	18.8	26.4	11.8	11.5	209	0.9	4.0
800	2024	2042	1996	15.8	24.4	8.4	7.5	219	1.6	4.4
750	2561	2588	2533	12.6	21.8	5.6	3.9	226	2.4	4.9
700	3145	3165	3111	9.5	19.6	2.2	0.5	232	3.0	5.6
650	3751	3782	3716	6.3	16.2	-1.3	-2.7	240	4.0	6.4
600	4409	4438	4364	2.9	12.6	-5.7	-5.9	246	4.9	7.2
550	5121	5170	5053	-0.7	8.2	-9.1	-9.7	251	6.0	8.1
500	5865	5908	5802	-4.8	3.4	-13.3	-13.8	252	6.8	8.8
450	6691	6754	6616	-9.5	-1.7	-18.9	-18.5	256	7.7	9.8
400	7588	7646	7510	-14.9	-6.1	-24.7	-23.9	257	8.7	10.9
350	8586	8659	8502	-21.4	-11.3	-30.3	-29.9	259	10.2	12.2
300	9709	9809	9607	-29.2	-20.1	-39.9	-38.7	258	11.1	13.0
250	10988	11109	10876	-38.9	-29.5	-47.7		258	12.0	14.0
200	12482	12628	12357	-50.8	-41.3	-60.7		259	12.2	14.8
175	13338	13500	13204	-57.5	-47.7	-70.3		257	12.1	14.7
150	14295	14467	14159	-64.5	-54.3	-76.5		253	11.1	14.1
125	15389	15582	15249	-71.3	-60.5	-86.5		256	9.8	12.9
100	16692	16903	16527	-75.6	-63.9	-84.1		254	7.3	10.9
80	17991	18237	17797	-72.0	-55.5	-82.1		259	3.1	9.5
70	18794	19065	18623	-67.3	-49.1	-79.1		272	0.6	9.9
60	19728	19997	19541	-62.6	-44.3	-77.1		095	0.4	9.3
50	20866	21274	20637	-58.6	-42.9	-72.1				
40	22275	22816	21995	-55.1	-39.1	-66.9				
30	24123	24883	23778	-51.7	-36.5	-63.5				
25	25288	25685	24926	-50.3	-40.3	-61.9				
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
560	4980	5410	4410				102	16600	-77.0

NORMALS OF RADIOSONDE DATA

MONTH : NOVEMBER TIME : 0530 IST STATION : AGARTALA

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1011	1013	1010	18.1	25.4	9.6	17.0	067	0.1	0.2
1000	114	136	92	19.3	25.2	10.6	16.8	028	1.2	2.2
950	548	573	513	21.2	28.2	11.2	13.9	027	1.7	3.2
925	787	804	771	20.3	26.6	10.2	11.9	016	1.4	2.9
900	1026	1052	1013	18.9	27.4	8.8	9.8	010	1.0	3.2
850	1514	1547	1502	16.0	25.2	8.0	5.5	297	0.8	3.6
800	2028	2068	2014	13.0	22.0	4.8	2.0	266	1.8	4.4
750	2563	2593	2547	10.1	19.2	1.4	-2.2	262	3.1	5.4
700	3138	3189	3123	7.2	15.6	-1.9	-5.3	264	4.8	6.9
650	3740	3789	3712	4.4	12.8	-5.1	-8.0	267	6.6	8.6
600	4391	4451	4371	1.1	9.4	-8.7	-10.8	267	8.7	10.5
550	5096	5149	5064	-2.7	6.0	-13.1	-13.3	267	10.8	12.2
500	5835	5892	5800	-7.1	2.8	-17.7	-17.2	267	12.6	14.2
450	6652	6725	6611	-12.1	-0.9	-21.5	-21.5	265	15.0	16.6
400	7542	7610	7475	-17.7	-8.7	-28.1		264	17.2	19.0
350	8531	8626	8439	-24.0	-14.9	-35.1		262	19.9	21.8
300	9642	9745	9545	-31.4	-22.1	-41.7		261	23.0	24.9
250	10909	11013	10798	-40.6	-29.5	-52.9		260	25.4	27.4
200	12389	12538	12260	-51.9	-40.1	-64.9		260	27.2	29.7
175	13243	13395	13102	-58.4	-46.3	-70.1		260	26.2	28.6
150	14194	14381	14041	-64.9	-52.3	-76.5		262	25.5	28.0
125	15288	15517	15122	-70.9	-52.5	-81.1		260	23.8	25.7
100	16589	16875	16417	-75.3	-57.9	-83.9		267	17.2	20.0
80	17877	18226	17731	-74.1	-57.9	-86.0				
70	18674	19058	18532	-71.2	-55.9	-83.0				
60	19577	19891	19437	-66.5	-51.3	-80.9				
50	20702	21033	20570	-61.0	-46.3	-78.9				
40	22080	22548	21903	-57.0	-40.7	-67.3				
30										
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
584	4610	5220	4080				100	16650	-76.8

NORMALS OF RADIOSONDE DATA

MONTH : DECEMBER TIME : 0530 IST STATION : AGARTALA

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1014	1015	1012	12.8	25.8	6.4	11.7	043	0.0	0.1
1000	133	141	115	14.7	23.6	9.0	11.9	021	1.4	2.4
950	560	578	528	17.4	24.8	9.8	9.8	024	1.7	2.9
925	794	805	782	16.3	24.4	8.6	8.3	006	1.4	2.6
900	1031	1043	1012	14.9	26.4	6.2	5.8	359	1.1	3.1
850	1513	1528	1494	12.3	23.0	2.6	0.7	301	1.3	3.8
800	2020	2035	2001	10.2	19.4	2.8	-4.6	285	2.8	4.9
750	2554	2569	2537	8.1	17.6	-0.1	-7.0	280	4.9	6.9
700	3121	3141	3106	5.9	17.0	-3.9	-9.1	278	7.2	9.0
650	3724	3739	3702	3.1	15.0	-6.1	-11.1	276	9.3	11.1
600	4370	4396	4346	-0.3	10.6	-10.9	-14.4	275	11.6	13.2
550	5072	5105	5032	-4.3	5.0	-17.9		274	13.9	15.5
500	5806	5853	5772	-8.9	1.8	-25.3		273	15.9	17.8
450	6616	6674	6568	-14.1	-1.9	-32.5		271	18.9	20.7
400	7497	7561	7438	-20.0	-7.9	-38.3		271	22.0	24.0
350	8474	8525	8395	-26.7	-11.5	-45.1		271	25.1	27.3
300	9568	9634	9468	-34.4	-20.5	-50.5		269	28.6	30.6
250	10820	10903	10697	-43.1	-29.5	-55.7		267	31.9	33.9
200	12292	12435	12149	-53.0	-39.1	-62.1		265	33.7	36.2
175	13138	13262	12990	-58.5	-43.1	-69.1		266	34.2	36.7
150	14094	14220	13949	-63.8	-51.3	-75.1		268	32.7	36.0
125	15201	15366	15049	-68.5	-55.5	-78.7				
100	16519	16725	16230	-72.9	-57.5	-83.3				
80	17815	18062	17662	-72.9	-57.1	-83.7				
70	18605	18918	18462	-71.3	-55.1	-82.5				
60	19521	19846	19368	-67.6	-52.1	-82.5				
50	20629	21021	20418	-62.7	-44.7	-76.1				
40	22010	22533	21754	-58.0	-41.3	-73.5				
30										
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
607	4290	4680	3820				98	16710	-74.5

NORMALS OF RADIOSONDE DATA

MONTH : JANUARY TIME : 0530 IST STATION : AHMEDABAD

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1008	1010	1007	13.8	22.0	5.0	8.3	037	2.0	2.8
1000	123	138	108	15.2	26.0	6.6	7.9	043	3.1	4.1
950	555	577	498	18.8	28.8	9.0	4.0	050	3.9	6.5
925	791	806	777	17.4	25.8	10.0	3.3	045	2.0	5.4
900	1024	1044	1006	16.3	27.6	7.0	1.7	026	1.3	5.1
850	1507	1526	1487	13.6	25.6	4.4	-1.2	279	1.8	5.0
800	2016	2036	1992	11.2	22.6	2.4	-4.4	268	3.9	6.2
750	2549	2573	2516	8.5	19.6	-1.0	-7.5	267	5.8	7.8
700	3117	3147	3090	5.5	16.0	-5.0	-10.7	270	7.6	9.4
650	3720	3757	3683	2.3	14.0	-7.1	-14.0	270	10.2	11.8
600	4362	4405	4322	-1.5	6.4	-12.0	-17.5	271	13.1	14.6
550	5050	5096	5001	-5.5	4.0	-15.1	-21.3	271	16.1	17.5
500	5791	5849	5735	-10.3	-1.5	-21.9	-25.4	271	19.6	20.9
450	6594	6661	6529	-15.6	-6.5	-27.9	-30.2	271	23.3	24.6
400	7475	7556	7399	-21.6	-10.9	-32.3	-35.3	272	27.0	28.5
350	8445	8543	8363	-28.1	-17.0	-40.1	-41.4	271	30.9	32.6
300	9539	9658	9449	-35.3	-24.0	-48.5	-48.0	271	35.5	37.5
250	10785	10935	10685	-44.2	-31.3	-58.3		269	37.9	40.3
200	12252	12436	12131	-54.3	-38.9	-68.3		266	38.2	40.5
175	13097	13300	12963	-59.7	-46.7	-79.5		266	36.4	38.8
150	14047	14264	13905	-65.0	-53.3	-76.1		264	34.5	36.4
125	15140	15393	14976	-70.4	-56.1	-83.5		266	30.7	32.2
100	16446	16701	16283	-75.3	-61.3	-87.0		268	24.9	26.1
80	17732	18015	17531	-75.4	-59.0	-88.0				
70	18512	18809	18302	-72.8	-56.0	-88.0				
60	19428	19741	19196	-69.1	-56.5	-84.0				
50	20542	20869	20312	-64.4	-48.7	-76.0				
40	21919	22292	21682	-60.4	-45.1	-72.9				
30	23739	24144	23395	-56.3	-40.5	-66.0				
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
621	4100	4590	3470				098	16730	-77.3

NORMALS OF RADIOSONDE DATA

MONTH : FEBRUARY TIME : 0530 IST STATION : AHMEDABAD

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1006	1008	1003	15.9	25.0	6.0	8.8	014	1.7	2.8
1000	109	123	81	17.0	25.0	7.4	8.4	018	2.4	3.9
950	545	563	504	20.2	30.6	9.8	4.3	010	3.1	6.6
925	780	793	763	18.9	27.2	11.2	3.0	350	2.5	5.9
900	1014	1031	995	17.6	28.0	6.0	1.5	335	2.0	5.7
850	1500	1518	1483	14.5	25.0	3.0	-1.3	283	2.8	5.7
800	2010	2031	1993	11.6	25.0	2.0	-4.1	272	4.5	6.7
750	2544	2568	2513	8.7	19.0	-3.0	-6.6	269	6.5	8.5
700	3112	3138	3088	5.5	14.4	-4.7	-9.7	269	8.6	10.5
650	3714	3753	3686	2.0	11.0	-8.5	-13.0	272	11.0	12.9
600	4356	4388	4327	-1.7	8.0	-12.0	-16.7	272	13.8	15.5
550	5042	5081	5015	-5.9	4.2	-16.1	-20.3	272	16.9	18.5
500	5783	5836	5754	-10.6	0.4	-21.1	-24.9	274	20.1	21.8
450	6586	6657	6551	-15.7	-4.3	-27.3	-29.6	274	23.9	25.7
400	7466	7562	7421	-21.6	-9.7	-34.7	-34.2	274	27.8	29.7
350	8437	8567	8380	-27.9	-15.5	-41.9	-40.2	273	31.0	33.0
300	9529	9699	9454	-35.3	-23.3	-49.3	-47.0	272	34.4	36.7
250	10777	10991	10674	-43.7	-30.1	-56.9		271	37.7	40.3
200	12245	12503	12112	-53.6	-42.9	-69.9		270	38.8	41.1
175	13094	13369	12962	-59.1	-47.7	-73.3		271	37.4	39.7
150	14048	14331	13923	-65.0	-51.9	-75.7		270	34.7	36.6
125	15138	15419	15005	-70.8	-54.9	-83.0		271	30.8	32.3
100	16442	16774	16286	-75.6	-63.9	-89.0		271	24.2	25.4
80	17730	18065	17592	-76.2	-64.0	-89.0				
70	18507	18851	18348	-73.8	-59.3	-89.0				
60	19417	19784	19234	-69.9	-56.1	-89.0				
50	20519	20899	20294	-65.0	-52.3	-76.9				
40	21892	22500	21616	-60.7	-49.9	-70.1				
30	23708	24370	23377	-56.4	-39.3	-65.1				
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
623	4060	5080	3640				097	16730	-77.7

NORMALS OF RADIOSONDE DATA

MONTH : MARCH TIME : 0530 IST STATION : AHMEDABAD

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1004	1006	1002	20.9	31.2	11.0	11.1	333	1.7	2.9
1000	91	102	73	21.4	31.2	12.2	10.6	341	2.3	3.9
950	532	550	486	24.4	36.6	12.8	6.5	342	4.2	7.1
925	770	782	754	23.3	31.4	14.0	4.9	331	3.8	6.9
900	1009	1022	993	22.0	33.2	9.0	3.4	321	3.4	6.2
850	1501	1515	1486	18.4	28.8	6.2	0.6	289	3.4	5.9
800	2017	2031	1999	14.7	25.0	3.8	-2.3	271	4.7	6.7
750	2555	2576	2535	11.0	19.8	1.0	-5.0	265	6.3	8.1
700	3129	3156	3101	7.1	15.8	-3.0	-8.0	263	7.6	9.4
650	3733	3764	3702	3.2	15.0	-6.0	-11.4	265	9.3	11.1
600	4378	4419	4344	-0.9	8.6	-11.0	-14.9	267	11.1	12.8
550	5064	5117	5030	-5.3	4.8	-18.0	-19.3	268	13.3	14.9
500	5809	5873	5770	-10.2	0.2	-19.3	-23.7	269	15.6	17.3
450	6610	6694	6575	-15.7	-3.9	-26.0	-28.4	270	18.2	19.8
400	7491	7586	7447	-21.9	-9.3	-33.1	-33.4	271	21.2	23.1
350	8460	8576	8406	-28.7	-15.1	-42.3	-39.7	272	24.3	26.6
300	9550	9680	9478	-36.1	-22.3	-50.5	-47.1	272	27.8	30.4
250	10793	10949	10703	-44.5	-31.9	-60.9	-54.9	270	31.0	33.8
200	12258	12434	12139	-53.5	-42.7	-66.5		269	31.0	33.9
175	13108	13305	12972	-58.4	-46.0	-70.9		269	29.9	32.8
150	14065	14280	13916	-63.9	-53.3	-75.1		268	27.6	30.1
125	15164	15377	15012	-69.6	-56.9	-81.9		267	24.0	26.4
100	16474	16706	16318	-74.6	-60.1	-86.3		267	19.2	21.1
80	17767	18028	17594	-74.9	-58.9	-85.9		271	13.2	15.0
70	18544	18815	18373	-72.7	-56.0	-86.0		271	11.1	13.2
60	19459	19750	19288	-68.5	-51.9	-82.0		273	8.1	10.2
50	20560	20908	20382	-63.5	-50.5	-74.9				
40	21945	22358	21744	-58.9	-47.7	-75.1				
30	23751	24108	23542	-54.8	-43.1	-73.7				
25	24941	25362	24749	-52.4	-42.1	-71.1				
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
610	4240	4800	3820				096	16740	-76.7

NORMALS OF RADIOSONDE DATA

MONTH : APRIL TIME : 0530 IST STATION : AHMEDABAD

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1001	1003	999	25.2	30.8	18.6	16.3	303	2.2	2.9
1000	66	82	49	25.1	31.4	18.6	15.2	310	2.9	3.6
950	513	532	475	27.1	40.0	17.6	10.7	310	6.5	7.9
925	755	765	740	26.0	33.6	16.4	8.2	306	5.6	7.2
900	994	1005	981	25.6	36.4	13.6	6.2	301	5.6	7.2
850	1493	1506	1478	22.2	32.0	12.0	3.6	285	4.5	6.1
800	2015	2029	1998	18.1	27.0	7.2	0.8	268	4.3	6.0
750	2558	2579	2526	13.9	23.0	1.8	-2.6	258	4.9	6.8
700	3138	3158	3111	9.5	17.8	-1.5	-6.1	255	5.8	7.8
650	3746	3769	3714	5.2	13.8	-4.5	-10.0	257	7.1	9.1
600	4395	4423	4360	0.9	11.8	-10.9	-13.8	260	7.9	9.8
550	5087	5125	5043	-3.6	7.4	-14.7	-18.3	266	9.0	10.8
500	5834	5884	5776	-8.7	3.2	-22.0	-22.9	268	10.3	12.1
450	6640	6705	6571	-14.2	-1.1	-25.1	-27.7	270	12.2	14.1
400	7526	7604	7439	-20.5	-8.3	-31.9	-32.4	271	14.8	16.9
350	8500	8600	8399	-27.5	-15.3	-39.3	-38.5	271	17.6	19.9
300	9595	9716	9474	-35.1	-23.5	-46.7	-45.9	270	21.2	23.7
250	10842	10987	10707	-43.6	-31.9	-55.5	-53.6	269	24.8	27.7
200	12314	12502	12158	-52.7	-41.9	-66.5		266	26.8	29.6
175	13165	13379	12998	-57.7	-44.7	-69.7		265	26.2	29.0
150	14125	14379	13944	-63.0	-48.9	-74.9		265	24.5	26.9
125	15229	15510	15037	-68.8	-53.9	-87.1		262	20.5	22.8
100	16547	16856	16344	-74.2	-62.0	-89.3		262	16.1	18.5
80	17847	18176	17644	-74.8	-59.9	-88.1		263	9.7	12.8
70	18628	18989	18414	-72.1	-53.7	-85.3		258	5.8	10.3
60	19544	19917	19328	-67.5	-53.9	-84.5		267	3.4	8.3
50	20664	21062	20458	-61.8	-44.0	-82.3		285	1.9	7.4
40	22062	22504	21823	-56.6	-39.7	-77.5		304	1.7	6.7
30	23920	24390	23592	-51.3	-38.7	-63.5				
25	25101	25487	24800	-48.8	-36.7	-60.9				
20	26561	26976	26295	-46.3	-36.1	-59.5				
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
590	4540	5120	3850				094	16930	-76.2

NORMALS OF RADIOSONDE DATA

MONTH : MAY TIME : 0530 IST STATION : AHMEDABAD

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	999	1001	997	27.7	32.2	21.4	21.6	268	2.3	3.0
1000	46	68	33	27.3	30.6	21.4	21.2	279	2.6	3.3
950	493	519	440	26.8	37.2	17.4	17.0	281	6.1	7.5
925	735	748	713	26.2	34.8	16.6	14.7	278	6.3	7.8
900	975	1001	957	26.2	36.0	15.0	10.6	280	6.4	7.5
850	1477	1500	1455	23.9	34.0	15.6	6.6	272	5.6	6.8
800	2002	2023	1978	20.4	29.8	11.4	3.3	268	4.9	6.3
750	2551	2576	2517	16.4	25.0	7.0	-0.4	266	4.3	6.3
700	3135	3158	3106	11.8	19.4	2.0	-3.8	266	3.8	6.6
650	3749	3771	3702	7.2	15.4	-0.9	-7.6	271	3.5	6.9
600	4402	4425	4371	2.8	11.8	-6.5	-11.2	281	3.5	6.9
550	5099	5130	5064	-1.5	8.4	-13.3	-16.0	290	4.1	7.1
500	5853	5881	5822	-6.2	3.8	-16.3	-20.9	292	5.4	8.1
450	6667	6702	6627	-11.4	-1.1	-22.7	-26.2	291	6.7	9.5
400	7562	7613	7508	-17.3	-5.5	-28.7	-31.4	286	8.1	11.0
350	8550	8625	8483	-23.9	-12.1	-35.9	-37.6	280	10.0	12.8
300	9662	9768	9578	-31.3	-18.1	-46.1	-44.5	272	12.4	14.8
250	10930	11066	10830	-40.0	-27.9	-54.3		267	14.4	17.1
200	12421	12593	12300	-50.4	-39.7	-64.3		261	15.1	17.9
175	13280	13467	13143	-56.3	-46.0	-76.1		260	14.7	17.5
150	14244	14452	14097	-62.8	-53.0	-75.3		257	13.3	15.9
125	15347	15587	15196	-69.5	-53.3	-83.9		250	10.4	13.4
100	16654	16924	16504	-75.2	-62.3	-87.5		237	5.2	10.4
80	17944	18244	17796	-75.0	-56.5	-87.3		195	1.6	8.6
70	18730	19036	18566	-71.6	-56.3	-82.7		102	2.2	7.8
60	19656	19974	19468	-66.2	-50.5	-81.9		086	3.8	8.3
50	20779	21107	20605	-60.4	-46.1	-76.0		083	5.6	9.0
40	22187	22551	21978	-54.7	-42.1	-71.9		085	7.2	8.8
30	24047	24433	23767	-50.1	-37.1	-67.3				
25	25237	25651	24946	-47.6	-34.5	-63.1				
20	26701	27162	26273	-46.1	-34.1	-60.5				
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
567	4860	5410	4400				096	16930	-77.2

NORMALS OF RADIOSONDE DATA

MONTH : JUNE TIME : 0530 IST STATION : AHMEDABAD

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	995	997	993	28.4	33.4	22.0	24.1	237	2.3	3.0
1000	13	24	0							
950	459	477	406	25.7	34.8	19.4	21.8	247	5.7	7.2
925	702	712	685	24.7	33.4	17.0	19.5	260	6.7	8.3
900	940	953	920	23.5	33.2	13.6	18.3	253	6.7	8.3
850	1438	1453	1412	21.6	31.6	12.8	14.6	248	5.5	7.4
800	1961	1979	1928	19.3	28.4	10.6	10.2	244	3.6	6.7
750	2512	2534	2472	16.7	26.0	7.2	5.4	255	1.6	6.4
700	3098	3120	3054	13.0	21.2	3.6	1.4	331	0.6	6.5
650	3715	3739	3667	8.7	17.4	0.0	-2.5	024	1.5	6.7
600	4371	4397	4322	4.2	13.0	-4.0	-6.3	029	2.2	6.8
550	5074	5101	5019	-0.1	9.8	-10.3	-10.0	026	2.5	6.7
500	5832	5861	5775	-3.9	6.8	-15.7	-14.0	021	2.4	6.7
450	6657	6688	6597	-7.8	3.2	-18.9	-18.0	027	2.2	6.9
400	7567	7599	7505	-12.7	-2.7	-25.7	-22.7	029	2.1	7.1
350	8572	8607	8507	-19.0	-9.9	-31.5	-28.6	035	1.8	7.2
300	9708	9757	9649	-26.7	-17.9	-39.3	-36.5	053	1.2	7.6
250	11000	11067	10915	-36.2	-26.1	-47.7	-45.5	090	1.4	8.3
200	12511	12608	12392	-48.2	-39.9	-58.9		105	2.6	9.2
175	13379	13485	13246	-55.1	-46.3	-64.5		109	4.1	9.9
150	14345	14463	14198	-62.9	-53.1	-73.3		105	5.8	10.9
125	15444	15583	15286	-71.0	-60.9	-84.0		097	8.1	12.3
100	16741	16920	16566	-77.5	-66.7	-88.0		090	11.0	13.6
80	18020	18233	17837	-76.8	-62.3	-90.1		086	13.1	14.8
70	18797	19033	18617	-72.7	-56.5	-87.1		085	14.0	15.0
60	19716	19977	19508	-66.9	-51.7	-81.9		083	14.9	15.7
50	20835	21157	20623	-60.7	-44.3	-74.1		084	15.2	16.0
40	22241	22581	22030	-55.1	-40.9	-70.9		086	15.5	16.2
30	24106	24521	23842	-49.9	-36.9	-66.7				
25	25290	25754	24998	-47.9	-34.1	-63.9				
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
549	5090	5400	4780				096	17010	-79.5

NORMALS OF RADIOSONDE DATA

MONTH : JULY TIME : 0530 IST STATION : AHMEDABAD

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	994	996	992	26.7	32.0	23.0	24.4	236	2.5	2.9
1000	9	24	0							
950	452	475	402	24.4	32.0	18.4	22.4	248	6.9	7.8
925	690	695	680	23.3	29.6	17.2	21.2	252	8.1	8.8
900	930	950	913	21.9	28.4	16.0	19.7	256	8.3	9.2
850	1424	1444	1408	19.3	26.0	12.8	17.1	252	7.6	8.7
800	1945	1965	1926	16.9	24.6	7.0	14.0	247	6.1	7.8
750	2492	2517	2466	15.1	24.4	7.0	9.3	250	4.0	6.8
700	3076	3109	3052	12.7	21.8	4.0	5.1	274	2.4	6.3
650	3694	3747	3666	9.3	19.8	2.0	1.1	316	1.7	6.1
600	4353	4414	4324	5.4	12.0	-2.0	-2.4	354	1.9	6.1
550	5060	5132	5027	1.3	9.0	-7.5	-5.9	019	2.1	5.8
500	5820	5902	5784	-2.8	4.0	-11.5	-9.6	041	2.2	5.7
450	6649	6738	6607	-6.9	0.0	-17.3	-14.3	063	2.8	5.7
400	7562	7656	7517	-11.9	-3.7	-22.0	-19.8	074	3.5	6.1
350	8572	8675	8523	-18.1	-10.3	-28.1	-26.4	080	4.9	6.8
300	9710	9818	9653	-26.0	-17.1	-38.1	-34.2	084	6.9	8.3
250	11007	11120	10940	-35.8	-26.1	-46.7	-43.8	085	9.1	10.1
200	12521	12642	12427	-48.1	-39.9	-62.1		089	12.5	13.6
175	13388	13524	13274	-55.5	-45.3	-70.1		089	14.7	15.7
150	14354	14503	14223	-63.5	-53.3	-79.9		089	16.8	18.0
125	15447	15606	15307	-71.5	-61.1	-82.5		087	20.1	21.1
100	16743	16930	16606	-77.0	-65.3	-87.0		086	22.4	23.3
80	18028	18244	17891	-74.5	-55.9	-89.0		084	22.0	22.7
70	18815	19035	18649	-70.6	-52.9	-85.3		082	21.6	22.1
60	19743	19991	19543	-65.8	-50.3	-79.3		082	20.8	21.3
50	20870	21146	20632	-60.4	-45.3	-74.1		085	20.5	21.0
40	22288	22598	22013	-55.1	-39.5	-68.0		084	21.8	22.3
30	24149	24537	23798	-50.8	-34.5	-62.9				
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
534	5300	5860	4900				101	16710	-78.5

NORMALS OF RADIOSONDE DATA

MONTH : AUGUST TIME : 0530 IST STATION : AHMEDABAD

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	996	998	994	25.8	29.4	23.0	23.9	246	2.4	2.8
1000	21	34	9							
950	465	482	414	23.6	28.6	18.0	21.5	260	6.6	7.4
925	710	715	702	22.7	28.2	18.2	20.2	261	7.5	8.2
900	942	955	927	21.2	28.6	14.0	18.8	263	7.6	8.4
850	1436	1452	1419	18.7	27.2	11.0	16.4	256	6.3	7.6
800	1955	1975	1936	16.4	23.8	9.0	13.5	250	4.7	6.7
750	2502	2527	2481	14.6	22.8	7.0	9.1	263	2.7	5.8
700	3084	3112	3061	12.2	20.2	5.0	4.6	310	1.7	5.6
650	3702	3733	3674	8.8	16.4	1.0	0.6	350	2.2	5.9
600	4360	4396	4333	5.0	12.8	-3.0	-2.9	011	2.8	6.0
550	5066	5104	5035	1.1	8.6	-6.5	-6.4	023	3.1	6.1
500	5827	5868	5795	-2.8	4.6	-11.7	-10.3	043	3.3	6.3
450	6655	6695	6610	-7.1	2.2	-14.1	-14.7	056	3.4	6.1
400	7567	7613	7523	-12.3	-5.1	-21.3	-20.2	070	4.2	6.6
350	8575	8624	8526	-18.6	-9.7	-27.1	-26.6	078	5.3	7.1
300	9712	9774	9655	-26.4	-17.3	-36.1	-34.7	083	6.9	8.2
250	11006	11077	10931	-36.3	-27.1	-47.9	-44.0	087	9.2	10.3
200	12516	12613	12409	-48.8	-38.9	-63.1	-55.8	089	12.3	13.4
175	13380	13493	13245	-56.3	-46.7	-66.7		090	14.3	15.4
150	14342	14475	14181	-64.5	-55.0	-76.0		089	17.1	18.1
125	15432	15573	15240	-72.5	-60.5	-86.5		088	19.4	20.3
100	16721	16905	16499	-77.2	-63.3	-89.0		088	21.3	22.0
80	18008	18211	17820	-74.5	-57.7	-88.0		082	19.3	19.8
70	18797	19016	18650	-70.3	-53.9	-86.0		081	19.7	20.2
60	19726	19974	19546	-65.5	-48.7	-80.1		083	18.9	19.6
50	20852	21128	20633	-60.5	-46.9	-74.7		086	20.0	20.4
40	22252	22547	21989	-56.1	-42.9	-69.0		084	20.6	21.1
30	24116	24475	23732	-51.8	-35.1	-63.3				
25	25287	25692	24930	-49.7	-29.9	-61.0				
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
536	5280	5680	4870				104	16530	-78.5

NORMALS OF RADIOSONDE DATA

MONTH : SEPTEMBER TIME : 0530 IST STATION : AHMEDABAD

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1000	1002	998	25.5	31.0	20.0	23.1	272	1.7	2.4
1000	55	71	34	25.3	30.8	20.0	22.3	282	1.9	2.6
950	499	523	450	24.3	34.2	18.0	19.7	285	4.7	6.3
925	739	754	730	23.5	30.2	18.0	17.9	281	4.6	6.2
900	977	995	956	22.1	31.8	14.4	16.7	280	3.7	5.7
850	1472	1488	1455	19.4	28.2	10.0	13.7	264	2.2	5.2
800	1991	2010	1973	16.5	27.0	8.8	9.4	244	1.0	5.0
750	2537	2555	2516	13.6	26.0	5.8	4.7	329	0.0	5.1
700	3115	3139	3093	10.1	18.0	1.0	0.2	048	0.8	5.3
650	3729	3754	3701	6.5	15.0	-4.0	-3.9	032	1.2	5.4
600	4380	4410	4357	3.2	13.2	-6.0	-6.7	014	1.2	5.3
550	5082	5120	5058	-0.1	9.0	-8.7	-10.6	358	1.0	5.4
500	5839	5884	5816	-3.8	4.0	-12.3	-15.2	344	0.6	5.4
450	6665	6714	6637	-8.3	0.0	-18.0	-19.1	316	0.3	5.7
400	7571	7631	7539	-13.8	-5.9	-23.0	-24.4	242	0.2	5.7
350	8574	8644	8535	-20.5	-12.0	-32.0	-30.8	214	0.5	6.0
300	9700	9782	9659	-28.4	-20.9	-40.0	-38.2	171	0.7	6.4
250	10981	11078	10935	-38.4	-29.5	-48.9	-47.4	155	1.7	7.5
200	12478	12597	12413	-50.6	-39.7	-61.7		138	3.4	8.7
175	13336	13465	13267	-57.7	-47.1	-68.7		136	4.3	9.5
150	14291	14437	14213	-65.6	-55.5	-76.7		122	5.3	10.2
125	15376	15557	15256	-73.5	-63.7	-86.3		105	6.8	10.7
100	16659	16898	16560	-78.3	-66.7	-88.0		092	8.9	11.0
80	17944	18214	17793	-74.4	-61.5	-87.0		089	10.1	11.2
70	18736	19031	18577	-69.7	-55.0	-82.0		083	10.3	11.1
60	19666	19983	19478	-65.1	-48.0	-86.0		084	11.5	12.4
50	20793	21151	20579	-60.4	-45.3	-74.0		086	12.6	13.2
40	22187	22574	21881	-56.5	-41.3	-69.0		086	14.1	14.4
30	24033	24466	23656	-51.7	-36.9	-59.7				
25	25208	25715	24847	-49.8	-35.7	-62.1				
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
556	5000	5690	4640				104	16480	-79.4

NORMALS OF RADIOSONDE DATA

MONTH : OCTOBER TIME : 0530 IST STATION : AHMEDABAD

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1004	1007	1001	22.7	29.0	14.8	18.3	007	0.9	2.0
1000	85	113	64	23.1	28.6	16.0	17.5	010	1.3	2.8
950	529	563	478	26.0	34.0	17.0	12.0	003	2.2	5.4
925	771	796	754	24.7	32.0	16.8	11.2	034	1.6	4.9
900	1010	1034	986	23.4	33.8	15.2	8.4	016	1.5	4.6
850	1505	1527	1479	19.8	30.8	11.8	5.5	040	1.2	4.4
800	2023	2042	1995	15.7	26.0	7.4	2.4	052	1.0	4.5
750	2564	2586	2536	11.6	22.0	4.0	-0.7	050	0.9	4.8
700	3139	3161	3112	7.9	18.4	0.0	-4.3	030	0.7	4.9
650	3747	3769	3721	4.9	17.0	-4.5	-8.2	342	1.2	5.2
600	4394	4418	4374	1.9	15.4	-8.0	-11.8	318	2.1	5.9
550	5092	5121	5068	-1.6	10.6	-10.9	-15.4	307	3.2	6.5
500	5844	5876	5817	-5.9	5.6	-14.7	-20.3	295	4.4	7.7
450	6662	6694	6630	-11.0	-1.3	-20.5	-24.2	286	5.8	8.8
400	7558	7602	7517	-16.7	-5.7	-26.5	-29.6	278	7.7	10.6
350	8547	8604	8494	-23.5	-11.9	-35.5	-35.4	271	9.5	12.1
300	9660	9725	9583	-31.4	-20.1	-42.5	-42.8	265	11.6	13.8
250	10927	11010	10826	-40.8	-29.7	-51.7		258	13.3	15.4
200	12409	12527	12287	-52.5	-41.5	-66.1		251	14.4	16.7
175	13259	13403	13123	-59.2	-48.3	-71.5		247	14.6	17.0
150	14208	14371	14073	-66.3	-54.9	-85.9		245	13.2	15.5
125	15288	15479	15154	-73.3	-61.9	-86.1		243	10.6	13.3
100	16576	16801	16444	-77.2	-64.7	-90.0		239	6.0	9.6
80	17869	18154	17748	-73.6	-55.5	-86.1		197	1.6	7.4
70	18656	18992	18518	-69.5	-51.1	-84.1		109	1.4	7.0
60	19587	20093	19414	-64.8	-42.0	-81.7		090	3.1	6.5
50	20716	21289	20537	-60.4	-42.3	-78.5		081	4.6	7.5
40	22119	22452	21896	-56.5	-45.5	-71.0		084	6.7	8.9
30	23970	24345	23608	-52.3	-40.3	-66.3		089	8.5	9.9
25	25138	25729	24770	-50.3	-36.9	-66.1				
20	26593	27216	26352	-48.5	-37.9	-65.5				
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
576	4730	5220	4170				106	16300	-78.3

NORMALS OF RADIOSONDE DATA

MONTH : NOVEMBER TIME : 0530 IST STATION : AHMEDABAD

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1006	1009	1004	18.1	27.0	10.2	12.6	050	2.1	2.6
1000	111	127	88	19.2	28.2	10.0	11.8	053	3.1	3.8
950	550	571	505	23.4	33.0	13.0	6.8	063	4.5	6.1
925	789	803	779	22.0	31.4	14.2	5.7	065	3.6	5.4
900	1026	1041	1008	20.5	30.2	13.2	4.2	067	3.0	5.0
850	1516	1529	1499	16.8	28.8	9.4	1.7	073	1.5	4.2
800	2029	2045	2007	13.4	23.4	6.0	-1.1	071	0.5	4.3
750	2567	2583	2545	10.5	20.2	3.0	-3.8	302	0.8	4.9
700	3139	3159	3114	7.8	16.6	-1.9	-7.9	304	1.8	5.5
650	3747	3771	3718	4.9	16.0	-6.9	-11.0	301	3.0	6.4
600	4395	4424	4368	1.3	10.8	-8.9	-14.1	294	4.6	7.7
550	5089	5124	5058	-2.8	6.6	-13.9	-18.3	289	6.4	9.4
500	5838	5882	5802	-7.5	2.4	-17.0	-22.1	284	8.4	11.2
450	6649	6702	6607	-12.9	-2.9	-22.7	-27.1	281	10.8	13.4
400	7539	7603	7479	-19.1	-9.1	-29.9	-32.8	276	13.8	16.5
350	8518	8590	8444	-26.0	-15.9	-37.3	-39.0	273	16.8	19.5
300	9620	9705	9523	-33.9	-24.7	-46.0	-46.0	270	20.3	22.9
250	10875	10970	10764	-43.0	-33.9	-57.0		264	23.0	25.5
200	12344	12455	12216	-53.9	-44.3	-66.0		259	24.6	27.0
175	13188	13338	13052	-60.0	-50.1	-70.1		258	24.5	26.6
150	14135	14299	14001	-66.1	-53.3	-76.7		257	22.7	24.5
125	15222	15439	15062	-72.1	-57.3	-81.9		258	18.7	20.4
100	16520	16780	16371	-76.6	-62.7	-87.0		261	13.4	15.6
80	17803	18098	17631	-75.7	-59.3	-84.9		265	7.3	10.9
70	18582	18883	18411	-72.5	-58.3	-83.0		264	5.0	9.4
60	19500	19824	19278	-67.9	-52.9	-79.0		269	2.8	7.8
50	20612	20950	20373	-62.8	-46.7	-74.0		264	2.4	7.6
40	22014	22383	21748	-58.3	-47.5	-66.7		297	0.5	6.4
30	23837	24208	23514	-53.9	-42.5	-63.5				
25	25014	25405	24685	-51.9	-40.7	-61.3				
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
586	4600	5060	4120				100	16570	-77.9

NORMALS OF RADIOSONDE DATA

MONTH : DECEMBER TIME : 0530 IST STATION : AHMEDABAD

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1009	1010	1007	14.9	22.2	5.4	9.4	054	2.4	3.0
1000	127	138	110	16.4	26.0	8.2	8.9	056	3.6	4.3
950	562	580	520	20.3	29.4	10.2	4.8	068	4.4	6.3
925	799	808	790	19.0	27.0	10.6	3.6	079	3.2	5.0
900	1032	1042	1014	17.5	25.4	4.8	2.0	076	2.0	4.9
850	1517	1528	1498	14.6	22.8	3.2	-1.1	244	0.2	4.5
800	2027	2039	2005	12.1	22.4	2.0	-4.2	263	1.6	5.0
750	2563	2582	2537	9.6	21.8	1.0	-7.2	272	3.0	5.9
700	3133	3161	3109	6.8	18.0	-3.1	-10.9	278	4.8	7.2
650	3737	3775	3709	3.5	13.8	-4.3	-13.5	276	6.7	9.0
600	4383	4427	4359	-0.2	9.4	-9.7	-17.1	276	9.3	11.2
550	5073	5129	5045	-4.5	5.0	-14.5	-20.7	274	11.8	13.5
500	5817	5881	5783	-9.4	0.2	-18.7	-25.3	272	14.6	16.2
450	6622	6694	6584	-14.8	-6.1	-25.9	-29.7	271	17.4	18.9
400	7505	7597	7453	-21.0	-11.1	-33.0	-34.9	269	20.9	22.5
350	8478	8577	8412	-27.9	-16.9	-39.3	-40.2	268	24.4	26.1
300	9570	9684	9484	-35.8	-23.3	-49.5	-46.9	266	28.6	30.5
250	10812	10938	10704	-45.0	-31.3	-59.1		264	32.5	34.7
200	12267	12400	12132	-55.5	-43.3	-69.1		262	34.2	36.7
175	13106	13256	12963	-60.8	-50.0	-72.0		262	33.0	35.0
150	14056	14267	13899	-65.6	-52.5	-77.5		261	31.7	33.3
125	15149	15369	14996	-70.0	-56.1	-83.0		263	28.5	30.0
100	16456	16678	16310	-74.6	-64.3	-85.9		263	23.4	24.7
80	17747	18011	17604	-74.8	-60.5	-87.5		271	15.9	17.7
70	18529	18830	18350	-72.2	-59.3	-84.3		272	12.3	14.8
60	19442	19787	19235	-68.1	-54.1	-79.3		269	8.9	11.8
50	20548	20925	20315	-63.6	-47.3	-76.3				
40	21926	22327	21725	-59.4	-45.1	-72.5				
30	23729	24164	23530	-55.5	-43.1	-65.1				
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
605	4320	4980	3800				099	16550	-76.3

NORMALS OF RADIOSONDE DATA

MONTH : JANUARY TIME : 0530 IST STATION : AMINI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1010	1012	1008	24.7	27.4	20.0	21.6	005	2.3	2.6
1000	89	102	73	24.5	27.2	20.6	21.3	003	3.0	3.4
950	532	552	488	22.8	30.0	17.0	17.3	018	3.4	4.1
925	771	782	752	21.4	29.2	14.8	13.4	039	3.1	4.1
900	1008	1022	993	20.4	27.8	13.4	12.3	061	3.0	4.2
850	1499	1515	1482	17.5	26.0	9.8	8.0	092	3.6	4.9
800	2015	2039	1995	14.6	24.2	6.8	3.3	098	3.8	5.1
750	2557	2585	2533	12.1	22.4	3.6	-2.0	097	3.0	4.9
700	3133	3169	3106	9.5	18.6	-0.3	-6.0	096	2.2	4.9
650	3742	3784	3711	6.5	16.0	-3.9	-8.8	092	2.0	5.3
600	4396	4446	4362	2.9	12.8	-7.1	-11.7	082	2.1	5.9
550	5097	5174	5058	-1.1	8.4	-10.7	-14.4	084	2.4	6.6
500	5849	5923	5798	-5.5	3.8	-13.7	-17.9	078	2.0	7.0
450	6668	6760	6602	-10.5	-0.7	-20.9	-22.9	067	2.0	7.6
400	7566	7666	7485	-16.2	-6.1	-24.3	-29.2	022	0.9	7.8
350	8556	8666	8459	-23.0	-14.1	-33.1	-33.9	282	0.9	8.5
300	9671	9817	9593	-31.2	-22.1	-41.3	-40.9	247	2.8	9.4
250	10938	11112	10843	-41.3	-31.1	-51.7		218	5.0	11.0
200	12419	12626	12295	-53.4	-41.7	-65.1		207	5.9	12.1
175	13265	13466	13127	-60.3	-50.1	-71.9		220	5.0	11.6
150	14205	14421	14028	-67.6	-57.5	-79.7		222	3.7	12.1
125	15266	15550	15047	-73.9	-64.5	-89.1		268	2.3	11.4
100	16529	16872	16346	-79.3	-69.7	-92.3		312	0.9	7.8
80	17780	18146	17640	-78.4	-67.3	-86.7		074	2.7	8.1
70	18575	18973	18462	-75.6	-64.1	-87.3		069	0.9	7.4
60	19448	19849	19325	-71.6	-58.9	-85.9				
50										
40										
30										
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
564	4910	5470	4310				100	16540	-81.2

NORMALS OF RADIOSONDE DATA

MONTH : FEBRUARY TIME : 0530 IST STATION : AMINI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1010	1012	1006	25.5	28.4	21.8	21.0	353	2.7	2.9
1000	86	101	57	25.1	28.0	21.2	21.2	355	3.5	3.8
950	524	551	491	22.8	31.2	16.2	16.9	004	3.6	4.1
925	768	783	749	21.3	31.4	14.6	12.7	020	2.7	3.7
900	1005	1020	974	20.6	31.6	14.0	10.6	043	2.5	3.7
850	1497	1511	1464	17.8	29.6	10.2	6.4	097	3.1	4.5
800	2013	2027	1977	14.6	26.0	5.6	2.3	105	4.3	5.4
750	2550	2567	2515	11.7	25.2	2.0	-2.3	099	4.1	5.8
700	3129	3154	3087	8.9	23.0	-2.1	-7.0	094	3.0	5.3
650	3735	3757	3693	5.9	19.6	-6.7	-11.1	081	2.1	5.4
600	4389	4430	4339	2.5	15.8	-9.9	-14.4	063	2.1	6.0
550	5089	5141	5033	-1.5	12.0	-13.3	-17.3	054	2.2	6.5
500	5840	5903	5784	-6.1	7.8	-18.1	-21.1	033	1.6	7.0
450	6657	6736	6597	-11.1	2.2	-23.1	-25.0	004	1.8	7.7
400	7553	7645	7486	-16.6	-4.1	-30.7		328	2.2	8.7
350	8542	8661	8465	-23.3	-10.9	-37.5		296	3.2	9.8
300	9655	9797	9563	-31.6	-19.9	-48.3		273	4.5	10.6
250	10921	11090	10806	-41.7	-31.3	-60.3		261	5.6	11.6
200	12394	12602	12243	-53.9	-42.7	-77.5		266	5.1	12.2
175	13246	13478	13003	-60.6	-49.1	-78.7		267	4.9	12.2
150	14203	14445	14064	-67.2	-55.5	-82.9		275	3.7	11.7
125	15271	15569	15107	-74.0	-63.1	-88.1		289	3.1	10.1
100	16535	16956	16400	-78.9	-65.5	-86.7		358	0.9	7.6
80	17795	18123	17647	-77.8	-67.9	-87.5		315	1.2	6.1
70	18574	18895	18464	-74.5	-64.3	-85.5		316	0.4	6.1
60	19487	19799	19320	-69.7	-62.1	-83.1		203	1.6	6.9
50	20582	20865	20407	-65.1	-57.1	-81.3		252	2.3	7.1
40	21942	22241	21742	-60.5	-51.7	-77.3				
30										
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
570	4790	5500	4080				100	16610	-80.1

NORMALS OF RADIOSONDE DATA

MONTH : MARCH TIME : 0530 IST STATION : AMINI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1009	1011	1007	26.4	29.4	23.4	23.0	345	2.1	2.4
1000	81	100	67	26.1	30.0	22.6	22.6	347	2.9	3.4
950	526	550	488	23.7	34.6	18.4	19.4	354	2.9	3.7
925	766	778	743	22.7	32.8	16.4	15.4	359	2.4	3.4
900	1004	1024	989	21.7	32.0	15.0	12.9	021	1.9	3.4
850	1498	1520	1482	19.5	27.8	12.2	7.6	076	2.1	4.0
800	2017	2041	1998	16.2	24.4	9.2	4.7	097	3.7	5.3
750	2560	2589	2542	12.6	21.6	6.8	1.6	092	5.1	6.4
700	3138	3170	3117	9.1	18.8	1.6	-3.4	088	4.9	6.5
650	3746	3785	3723	6.1	15.4	-0.9	-8.7	086	4.0	6.3
600	4401	4447	4372	2.8	12.8	-4.1	-12.2	077	3.3	6.2
550	5101	5157	5059	-1.0	9.8	-11.3	-15.5	075	2.9	6.6
500	5854	5922	5810	-5.5	4.8	-17.5	-19.5	068	2.6	7.0
450	6673	6756	6622	-10.4	0.2	-22.5	-23.9	055	2.1	7.3
400	7571	7664	7519	-16.2	-5.5	-28.1	-28.7	349	1.6	8.6
350	8562	8671	8500	-23.0	-11.1	-35.3	-34.7	305	2.6	9.2
300	9676	9809	9568	-31.3	-17.5	-43.3		283	3.4	9.8
250	10940	11110	10827	-41.4	-26.7	-51.9		272	3.7	10.2
200	12419	12619	12308	-53.4	-38.7	-66.5		265	4.6	10.6
175	13269	13473	13126	-60.1	-49.3	-76.1		265	4.4	10.8
150	14221	14462	14048	-66.8	-51.9	-79.5		272	4.4	10.1
125	15284	15608	15136	-73.7	-63.5	-88.3		285	2.5	8.5
100	16536	16924	16312	-79.8	-70.3	-89.1		256	0.7	6.3
80	17783	18250	17551	-77.7	-59.5	-89.5		293	1.3	5.8
70	18567	19100	18249	-74.2	-63.9	-82.9		292	2.2	6.3
60	19475	20002	19157	-69.3	-58.5	-80.7		262	2.9	7.6
50	20568	21150	20241	-64.5	-52.9	-74.1		240	4.1	8.9
40	21938	22208	21597	-58.6	-47.9	-64.5				
30	23730	23996	23392	-53.7	-45.1	-61.5				
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
564	4910	5620	4390				97	16700	-81.1

NORMALS OF RADIOSONDE DATA

MONTH : APRIL TIME : 0530 IST STATION : AMINI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1008	1010	1006	27.6	29.8	23.0	24.0	327	2.1	2.7
1000	71	94	57	27.3	30.0	23.0	23.4	328	2.8	3.5
950	515	545	490	24.5	30.4	18.2	20.5	335	2.9	3.9
925	760	777	737	22.8	27.6	16.8	17.3	330	2.6	3.8
900	995	1021	980	22.3	29.4	15.2	15.3	355	2.0	3.9
850	1491	1514	1475	20.5	30.0	13.4	9.0	033	1.9	4.1
800	2012	2035	1995	17.6	27.0	10.2	6.1	067	2.8	4.5
750	2556	2584	2538	14.2	24.8	6.6	4.1	081	4.6	5.7
700	3138	3164	3118	10.2	21.8	2.8	0.5	085	5.8	6.8
650	3746	3779	3727	6.2	18.8	-3.5	-4.2	086	5.6	6.7
600	4401	4446	4376	2.6	17.0	-6.9	-9.3	085	4.3	6.4
550	5102	5158	5070	-0.9	13.2	-9.1	-14.4	084	3.6	5.8
500	5855	5924	5820	-4.9	9.2	-13.3	-17.9	083	2.9	5.9
450	6676	6756	6634	-9.7	5.0	-17.5	-23.0	066	2.1	6.2
400	7577	7691	7525	-15.3	-1.7	-25.7	-26.6	032	0.9	7.3
350	8569	8689	8511	-22.1	-9.1	-32.7	-32.7	297	1.6	8.1
300	9689	9845	9612	-29.9	-16.7	-43.1		272	3.1	9.1
250	10964	11138	10877	-39.8	-25.5	-53.9		252	4.2	10.0
200	12452	12678	12349	-51.7	-39.9	-66.1		236	6.0	11.8
175	13308	13554	13157	-58.4	-48.9	-73.7		239	5.6	11.6
150	14258	14488	14063	-65.8	-56.1	-81.5		239	4.7	10.7
125	15336	15567	15093	-72.6	-63.9	-80.9		243	3.0	8.8
100	16627	17103	16365	-78.3	-70.3	-89.3		032	1.5	7.9
80	17884	18509	17605	-77.3	-70.7	-85.5		091	3.0	7.7
70	18651	19217	18273	-74.1	-66.9	-82.1		084	2.0	6.7
60	19553	19992	19270	-69.5	-61.3	-77.7				
50	20658	21111	20424	-63.6	-55.1	-73.3				
40										
30										
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
563	4920	6030	4420				99	16710	-80.2

NORMALS OF RADIOSONDE DATA

MONTH : MAY TIME : 0530 IST STATION : AMINI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1007	1009	1005	28.2	30.6	23.6	24.5	306	2.9	3.5
1000	63	84	51	27.8	30.4	20.8	24.2	311	3.2	3.8
950	511	532	460	24.7	32.8	16.8	20.6	311	4.0	4.8
925	752	765	743	23.1	30.0	15.6	18.1	309	4.0	5.1
900	989	1006	977	21.9	30.0	14.2	16.8	313	3.5	4.7
850	1484	1501	1472	19.6	27.4	11.2	11.4	328	2.4	4.4
800	2004	2022	1989	17.1	27.0	10.4	6.9	010	1.8	4.7
750	2550	2570	2524	13.9	22.4	5.0	4.1	055	2.4	5.3
700	3130	3150	3107	10.2	19.2	1.6	0.8	069	3.3	6.1
650	3740	3762	3715	6.2	15.0	-4.5	-3.1	073	3.8	6.7
600	4393	4427	4360	2.2	11.8	-7.5	-7.6	075	3.6	6.4
550	5092	5141	5040	-1.4	8.0	-11.9	-12.2	076	2.7	6.1
500	5845	5899	5809	-5.4	3.4	-16.1	-16.8	078	1.8	6.2
450	6664	6730	6600	-9.9	-1.3	-20.5	-21.2	071	1.5	6.5
400	7566	7646	7518	-15.3	-6.1	-27.5	-26.0	060	1.0	6.7
350	8561	8665	8501	-22.0	-11.3	-36.5	-31.7	066	0.7	6.6
300	9678	9807	9608	-30.1	-19.3	-45.1	-38.6	165	0.8	6.5
250	10948	11105	10864	-40.3	-28.1	-56.9	-48.2	157	1.5	7.4
200	12430	12621	12323	-52.5	-35.9	-76.9		148	3.7	9.1
175	13283	13485	13168	-59.5	-40.3	-78.5		138	4.6	10.6
150	14236	14471	14090	-66.9	-44.1	-79.7		128	5.3	10.8
125	15304	15601	15110	-74.2	-47.3	-85.0		115	5.8	11.2
100	16572	16858	16359	-79.4	-52.1	-92.3		094	5.9	9.0
80	17835	18180	17601	-77.2	-56.1	-90.9		090	7.3	8.7
70	18600	18927	18353	-72.9	-57.3	-85.7		088	6.4	8.3
60	19522	19887	19302	-67.6	-58.9	-79.3		101	6.0	8.7
50	20635	20964	20398	-62.6	-53.3	-74.7		093	7.2	10.5
40	22037	22358	21816	-57.7	-48.7	-70.3		082	11.5	14.6
30	23849	24241	23658	-52.1	-39.1	-62.3		083	15.3	16.7
25	25023	25475	24829	-49.7	-35.3	-59.5				
20										
15										
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FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
568	4840	5650	4370				102	16500	-81.3

NORMALS OF RADIOSONDE DATA

MONTH : JUNE TIME : 0530 IST STATION : AMINI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1006	1008	1005	27.9	30.4	23.8	25.1	266	7.0	7.7
1000	55	75	36	27.5	29.8	23.2	24.8	270	7.5	8.2
950	501	529	469	24.2	32.4	16.4	21.2	273	9.4	10.2
925	741	761	706	22.8	31.0	14.6	18.9	272	9.4	10.4
900	980	1004	960	21.3	30.2	13.0	17.8	278	10.3	11.2
850	1473	1499	1454	18.4	27.4	10.2	14.4	280	10.1	11.1
800	1992	2020	1972	15.6	23.2	8.2	10.5	280	9.2	10.3
750	2535	2566	2506	12.8	20.8	5.2	6.3	279	8.1	9.4
700	3114	3145	3088	9.7	16.6	2.0	1.8	277	7.2	9.0
650	3724	3759	3694	6.3	13.2	-1.5	-2.2	277	6.1	8.6
600	4379	4413	4346	2.7	11.2	-5.7	-5.6	271	5.4	8.4
550	5080	5135	5030	-0.8	10.2	-10.7	-8.9	266	5.2	7.9
500	5835	5890	5793	-4.7	7.0	-13.9	-13.3	262	4.7	7.2
450	6657	6721	6592	-9.1	2.2	-17.3	-17.5	258	3.1	6.5
400	7562	7644	7504	-14.7	-4.1	-22.7	-22.8	236	0.9	6.0
350	8559	8651	8491	-21.4	-10.3	-28.9	-28.7	101	2.8	6.4
300	9681	9797	9608	-29.5	-18.7	-37.9	-36.7	089	5.7	7.8
250	10954	11085	10870	-39.7	-28.9	-49.7	-47.3	085	9.8	11.6
200	12437	12615	12341	-52.1	-39.5	-61.1	-58.5	088	15.4	16.9
175	13284	13470	13180	-59.5	-47.5	-69.5		087	19.0	20.5
150	14231	14452	14122	-67.2	-56.1	-82.3		088	23.7	25.4
125	15290	15457	15186	-75.2	-63.9	-87.9		090	28.2	29.8
100	16548	16793	16391	-79.4	-70.3	-87.5		092	23.2	24.6
80	17832	18080	17617	-76.6	-63.9	-86.3		090	17.9	19.1
70	18598	18850	18375	-73.2	-60.1	-86.9		094	13.4	16.6
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FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
561	4920	5670	4490				105	16340	-81.4

NORMALS OF RADIOSONDE DATA

MONTH : JULY TIME : 0530 IST STATION : AMINI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1007	1008	1005	27.4	29.2	23.2	25.1	270	7.4	7.9
1000	63	77	46	27.0	28.8	23.0	24.4	274	8.2	8.6
950	506	528	475	23.8	30.2	18.6	20.7	278	11.0	11.5
925	745	754	732	22.0	29.2	16.6	18.5	275	14.0	14.5
900	985	996	971	20.7	28.4	14.8	17.4	282	12.6	13.2
850	1478	1493	1461	17.8	24.6	12.0	14.0	285	12.9	13.4
800	1995	2017	1974	15.0	23.2	7.8	10.2	286	11.8	12.3
750	2536	2554	2502	12.2	21.4	5.0	6.0	285	9.8	10.4
700	3116	3147	3090	9.2	19.4	2.0	1.4	283	8.0	8.9
650	3724	3757	3685	6.0	15.4	-3.7	-2.5	284	6.6	7.8
600	4378	4427	4343	2.4	11.4	-6.1	-5.7	285	5.1	6.8
550	5080	5149	5008	-1.2	8.0	-9.7	-8.8	281	3.7	6.2
500	5834	5899	5777	-5.1	5.0	-14.5	-13.1	273	2.6	5.9
450	6653	6727	6559	-9.8	-0.5	-20.1	-17.5	257	0.7	5.8
400	7555	7631	7478	-15.4	-5.9	-26.5	-22.6	101	1.7	6.2
350	8550	8643	8463	-22.2	-12.1	-34.9	-29.0	099	5.1	7.2
300	9670	9788	9570	-30.2	-19.5	-44.3	-37.0	088	9.2	10.2
250	10941	11069	10820	-40.5	-30.7	-56.7	-47.8	092	14.0	15.4
200	12424	12576	12282	-52.8	-33.3	-65.1	-59.3	091	21.4	22.4
175	13266	13516	13111	-60.0	-50.3	-74.5		089	26.7	27.6
150	14211	14487	14034	-67.3	-56.3	-83.7		090	31.1	32.5
125	15272	15468	15123	-75.3	-64.5	-89.5		088	35.4	36.4
100	16511	16756	16340	-77.9	-65.7	-91.3		092	26.9	27.6
80	17774	18117	17512	-73.7	-63.3	-85.1		091	18.6	19.3
70	18542	18897	18281	-71.3	-62.3	-86.1		087	16.2	17.0
60	19428	19858	19177	-68.3	-58.9	-88.9				
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FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
566	4850	5330	4360				111	15920	-80.7

NORMALS OF RADIOSONDE DATA

MONTH : AUGUST TIME : 0530 IST STATION : AMINI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1008	1009	1006	27.0	29.4	22.6	24.5	276	6.4	7.0
1000	70	87	59	26.6	28.4	22.0	24.1	278	7.7	8.2
950	516	539	486	23.3	28.0	17.4	20.0	284	9.9	10.5
925	756	770	746	21.5	28.0	15.2	17.7	280	10.8	11.4
900	992	1010	979	20.3	27.2	13.0	16.7	288	11.2	11.7
850	1484	1502	1473	17.4	25.2	8.8	13.2	291	11.2	11.6
800	2001	2020	1991	14.7	25.4	6.6	9.9	291	10.1	10.6
750	2543	2563	2527	12.0	25.8	3.6	5.9	290	8.8	9.3
700	3120	3146	3107	9.1	23.4	1.8	1.3	287	7.3	8.0
650	3729	3756	3712	5.8	18.8	-0.9	-3.0	286	6.1	7.0
600	4382	4423	4349	2.3	14.0	-3.9	-6.4	283	4.9	6.3
550	5082	5144	5038	-1.3	8.6	-8.7	-10.2	279	3.8	5.7
500	5836	5888	5787	-5.2	4.2	-11.9	-14.7	281	2.4	5.2
450	6655	6717	6586	-9.8	1.2	-16.1	-19.2	286	0.5	5.1
400	7557	7633	7484	-15.4	-3.1	-22.7	-24.4	100	1.9	5.2
350	8553	8644	8482	-22.2	-9.5	-30.9	-30.7	096	4.6	6.4
300	9669	9773	9570	-30.5	-16.3	-40.3	-38.5	093	8.4	9.6
250	10938	11074	10827	-40.7	-24.9	-52.7	-48.4	094	13.2	14.2
200	12419	12560	12303	-52.9	-40.3	-67.9	-60.3	092	20.8	21.8
175	13268	13439	13137	-59.6	-49.1	-75.5		090	25.4	26.7
150	14216	14417	14068	-66.8	-57.9	-79.5		090	29.9	31.4
125	15275	15463	15116	-74.5	-65.5	-86.9		091	32.6	33.5
100	16533	16770	16193	-77.1	-68.7	-88.1		091	25.2	26.2
80	17794	18188	17506	-72.6	-63.5	-86.3		088	18.7	19.7
70	18580	19005	18334	-69.8	-57.9	-88.9		085	17.2	18.4
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FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
568	4820	5420	4340				111	15970	-79.6

NORMALS OF RADIOSONDE DATA

MONTH : SEPTEMBER TIME : 0530 IST STATION : AMINI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1008	1010	1006	26.7	28.2	23.4	24.1	299	4.1	4.7
1000	74	89	53	26.3	28.2	22.6	23.6	299	4.9	5.7
950	520	537	485	23.4	29.4	17.4	20.2	302	6.0	6.8
925	758	771	744	21.8	28.2	16.2	18.1	295	6.5	7.3
900	996	1011	971	20.6	27.2	15.0	16.8	303	6.2	7.2
850	1488	1503	1463	17.8	25.8	12.8	13.2	302	5.9	7.0
800	2005	2022	1980	15.0	25.4	9.2	9.4	300	5.2	6.5
750	2547	2562	2520	12.2	21.0	6.8	5.3	296	4.4	5.9
700	3125	3152	3103	9.3	18.6	3.4	1.1	293	3.8	5.7
650	3735	3761	3713	6.1	16.6	-1.3	-2.9	290	3.5	5.6
600	4389	4431	4363	2.7	13.2	-4.7	-6.9	288	2.4	5.2
550	5089	5155	5054	-1.0	8.0	-6.7	-10.2	286	1.4	4.7
500	5844	5906	5808	-5.2	2.4	-11.5	-14.1	017	0.2	4.4
450	6664	6735	6619	-9.9	-2.1	-17.5	-19.3	094	1.3	4.6
400	7567	7651	7515	-15.5	-8.1	-22.9	-24.9	101	3.0	5.4
350	8563	8643	8503	-22.1	-14.1	-29.7	-31.4	100	4.8	6.6
300	9682	9779	9609	-30.3	-21.3	-39.7	-38.5	101	7.4	8.6
250	10953	11064	10863	-40.5	-31.5	-50.7	-48.3	099	11.4	12.4
200	12437	12571	12326	-52.7	-41.1	-67.7	-59.4	098	17.6	18.7
175	13281	13410	13161	-59.7	-50.9	-80.5		100	20.7	22.1
150	14226	14354	14109	-67.0	-58.5	-81.9		099	24.0	25.0
125	15306	15484	15095	-73.8	-64.7	-88.1		097	24.5	25.6
100	16574	16795	16396	-77.1	-71.7	-85.3		096	18.9	20.0
80	17896	18095	17736	-72.3	-63.3	-85.1		091	13.6	15.5
70	18653	18900	18523	-69.5	-60.7	-80.7				
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FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
563	4900	5430	4430				108	16120	-78.5

NORMALS OF RADIOSONDE DATA

MONTH : OCTOBER TIME : 0530 IST STATION : AMINI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1008	1011	1007	26.3	28.8	20.4	22.8	298	1.7	2.7
1000	75	99	61	25.9	28.8	21.0	23.2	306	2.4	3.7
950	516	548	462	23.5	29.6	16.0	19.8	313	2.6	4.5
925	754	779	702	22.2	28.0	17.2	17.1	294	2.0	4.7
900	996	1019	980	20.9	27.8	13.6	16.0	323	1.8	4.5
850	1489	1512	1471	18.2	26.0	11.0	12.3	353	0.8	4.4
800	2007	2028	1989	15.2	23.4	8.4	8.7	055	0.9	5.0
750	2547	2569	2517	12.2	21.2	5.4	4.6	063	1.0	5.2
700	3127	3152	3105	9.1	19.0	2.0	0.9	048	0.6	5.1
650	3734	3754	3701	5.9	15.8	0.2	-3.0	011	0.2	5.0
600	4390	4423	4356	2.6	11.6	-4.7	-6.9	101	0.2	4.7
550	5093	5147	5051	-1.0	9.0	-9.7	-10.6	093	0.7	4.8
500	5846	5890	5804	-5.1	5.0	-12.7	-14.8	088	1.6	5.0
450	6666	6724	6619	-9.8	-0.7	-17.1	-19.7	085	1.9	5.2
400	7567	7628	7517	-15.4	-6.3	-24.5	-25.5	084	2.7	5.0
350	8560	8630	8510	-22.2	-12.5	-31.7	-31.8	092	3.3	5.5
300	9679	9763	9622	-30.5	-20.3	-41.1	-40.0	098	4.4	6.6
250	10948	11048	10873	-40.7	-29.1	-53.5	-49.8	106	6.6	8.7
200	12426	12539	12328	-53.2	-40.3	-66.7		106	9.7	12.1
175	13278	13404	13164	-60.1	-48.9	-74.1		109	11.0	13.9
150	14222	14377	14061	-67.5	-54.7	-80.1		106	11.1	13.6
125	15288	15450	15116	-74.9	-67.5	-88.9		105	8.9	11.6
100	16556	16796	16368	-78.6	-63.5	-90.7		086	8.6	11.3
80	17861	18076	17719	-74.7	-66.5	-81.5		091	5.5	7.8
70	18645	18830	18454	-70.9	-62.7	-79.7				
60										
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FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
565	4880	5380	4510				108	16110	-80.1

NORMALS OF RADIOSONDE DATA

MONTH : NOVEMBER TIME : 0530 IST STATION : AMINI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1008	1010	1007	25.7	29.4	21.8	22.7	343	0.9	2.0
1000	79	104	67	25.4	29.2	22.0	22.8	345	1.5	3.1
950	519	556	477	23.6	30.8	16.8	18.8	011	1.9	3.9
925	758	790	725	22.5	29.8	16.4	15.7	041	2.3	4.1
900	1000	1030	989	21.1	30.2	13.4	14.1	047	2.1	4.4
850	1493	1525	1479	18.0	27.0	10.0	10.8	068	2.6	4.8
800	2010	2044	1994	14.8	24.6	6.4	7.3	079	2.8	5.0
750	2549	2589	2524	11.8	21.8	4.4	3.2	083	2.3	4.8
700	3128	3161	3107	9.0	18.6	2.0	-0.2	084	1.8	4.8
650	3735	3769	3703	6.2	15.4	-0.1	-4.1	086	2.0	5.0
600	4391	4437	4355	2.9	11.8	-3.3	-7.4	086	2.5	5.2
550	5095	5170	5047	-0.7	7.6	-7.5	-11.2	081	3.4	5.6
500	5847	5909	5799	-4.9	2.6	-12.7	-15.6	074	3.9	6.1
450	6669	6751	6614	-9.7	-0.5	-20.1	-20.7	074	4.1	6.6
400	7569	7659	7504	-15.5	-5.9	-26.9	-27.0	073	3.8	6.6
350	8549	8658	8263	-22.2	-10.1	-34.5	-32.8	080	2.5	6.4
300	9680	9795	9598	-30.6	-19.9	-42.3	-39.9	107	2.1	6.4
250	10951	11105	10842	-40.8	-23.5	-54.3	-50.0	143	3.2	7.8
200	12432	12614	12280	-53.0	-39.9	-75.7		144	5.2	9.9
175	13280	13515	13117	-59.8	-47.5	-75.1		147	5.8	10.5
150	14229	14516	14013	-66.9	-53.9	-81.3		153	4.0	9.9
125	15296	15589	15064	-73.9	-58.5	-86.9		123	3.2	8.7
100	16563	16906	16312	-79.3	-64.5	-86.9		106	5.1	8.1
80	17812	18180	17515	-76.6	-62.9	-86.1		087	3.1	6.2
70	18571	18999	18286	-72.3	-63.1	-81.3		086	2.8	6.7
60	19502	19953	19186	-67.7	-57.9	-77.9		051	4.1	7.4
50	20641	21079	20270	-63.5	-54.7	-75.7				
40										
30										
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
560	4950	5550	4370				103	16430	-80.9

NORMALS OF RADIOSONDE DATA

MONTH : DECEMBER TIME : 0530 IST STATION : AMINI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1010	1011	1008	24.9	29.2	20.6	22.1	012	1.3	2.0
1000	89	97	77	24.8	28.2	21.4	21.7	010	2.3	3.3
950	531	546	489	23.1	29.0	15.6	17.6	035	2.7	4.0
925	773	779	764	21.8	28.6	14.4	14.0	058	3.1	4.3
900	1009	1018	996	20.6	28.4	12.4	12.9	071	3.3	4.6
850	1501	1511	1486	17.5	26.0	9.2	9.4	088	4.0	5.1
800	2017	2028	2001	14.6	23.0	6.6	5.2	095	3.6	5.0
750	2558	2573	2539	12.3	20.4	4.8	0.7	097	2.9	4.7
700	3136	3157	3113	9.6	19.6	0.2	-2.9	096	2.8	4.8
650	3747	3770	3723	6.5	16.4	-2.7	-6.7	097	3.0	5.2
600	4401	4435	4369	3.0	12.6	-5.1	-9.4	093	3.1	5.7
550	5103	5164	5064	-0.9	9.2	-9.3	-13.2	087	3.4	6.1
500	5855	5908	5816	-5.3	2.4	-13.7	-17.5	081	3.2	6.6
450	6676	6743	6631	-10.2	-1.7	-20.3	-21.8	077	2.7	6.8
400	7575	7655	7527	-15.9	-7.1	-27.3	-28.0	079	1.6	7.3
350	8565	8659	8511	-23.0	-13.5	-35.9	-34.1	226	0.4	8.3
300	9679	9801	9623	-31.1	-19.5	-45.3	-40.9	223	2.8	8.9
250	10945	11093	10880	-41.3	-29.7	-55.7		224	5.1	10.3
200	12427	12610	12344	-53.2	-41.7	-66.1		228	6.6	11.8
175	13274	13484	13185	-60.1	-49.1	-70.1		235	6.7	11.8
150	14220	14434	14103	-67.0	-56.7	-81.7		247	7.2	12.3
125	15291	15581	15167	-73.9	-62.1	-87.3		256	4.2	9.9
100	16580	16885	16466	-78.8	-65.1	-87.5		047	0.8	7.5
80	17845	18149	17666	-77.0	-66.1	-83.7		083	2.7	6.6
70	18625	18942	18417	-72.4	-58.3	-80.3		118	2.4	7.3
60	19524	20047	19308	-68.3	-51.9	-75.9				
50	20628	21216	20388	-63.8	-51.9	-74.5				
40										
30										
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
561	4940	5610	4530				100	16570	-80.3

NORMALS OF RADIOSONDE DATA

MONTH : JANUARY TIME : 0530 IST STATION : AURANGABAD

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	948	951	946	13.7	20.8	5.4	8.3	078	0.1	0.6
1000	138	168	123							
950	557	597	526	13.1	20.6	6.8	8.2	106	0.9	1.4
925	796	822	769	16.8	28.0	7.6	7.7	077	1.3	3.9
900	1030	1056	1011	18.0	27.0	6.6	5.8	115	1.6	4.9
850	1516	1542	1497	15.5	26.0	6.4	3.6	185	1.9	5.2
800	2027	2053	2007	12.4	23.2	2.8	0.6	220	3.2	5.9
750	2561	2592	2536	9.4	23.2	-0.9	-3.4	244	4.5	7.4
700	3133	3163	3109	6.6	19.8	-4.9	-9.0	262	6.3	9.4
650	3734	3767	3701	3.8	17.2	-8.5	-13.7	272	8.9	11.2
600	4383	4420	4350	0.4	12.8	-14.9	-18.4	272	11.4	13.6
550	5084	5135	5035	-3.4	8.0	-16.5	-21.2	271	14.3	16.5
500	5822	5875	5774	-8.1	3.0	-20.9	-25.3	269	17.4	19.5
450	6635	6721	6572	-13.3	-1.5	-27.9	-29.3	268	20.9	23.0
400	7520	7605	7450	-19.1	-7.1	-35.9	-32.9	266	24.4	26.8
350	8503	8596	8422	-25.5	-13.7	-38.5		264	29.4	32.0
300	9604	9718	9513	-33.0	-21.9	-48.5		262	33.0	35.7
250	10863	10996	10759	-42.4	-30.5	-57.3		257	33.8	36.7
200	12335	12506	12210	-53.8	-41.9	-70.5		251	34.1	37.1
175	13181	13369	13046	-60.3	-47.7	-76.7		251	33.4	36.0
150	14130	14347	13967	-66.4	-50.1	-80.9		250	33.6	37.0
125	15223	15477	15056	-71.7	-59.9	-86.9		246	29.3	34.7
100	16523	16830	16328	-75.8	-65.7	-87.5		248	19.5	28.5
80	17817	18166	17592	-74.9	-60.5	-89.1				
70	18604	18959	18356	-71.2	-49.9	-84.9				
60	19527	19884	19020	-65.5	-45.5	-81.5				
50	20655	21092	20141	-59.7	-40.5	-72.1				
40	22067	22756	21558	-55.1	-38.5	-68.9				
30	23934	24720	23420	-49.8	-35.5	-63.5				
25	25114	25990	24607	-47.7	-35.7	-63.9				
20	26550	26947	26235	-45.8	-36.5	-56.5				
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
597	4430	5200	3740				102	16530	-76.7

NORMALS OF RADIOSONDE DATA

MONTH : FEBRUARY TIME : 0530 IST STATION : AURANGABAD

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	947	949	944	15.9	24.4	7.4	7.0	327	0.3	1.0
1000	123	137	103							
950	550	573	527	15.5	20.2	8.0	7.9	108	0.6	1.7
925	788	802	776	18.0	25.0	9.4	6.5	014	1.6	4.6
900	1021	1038	998	19.3	28.8	10.0	3.1	019	1.1	5.5
850	1509	1530	1487	16.8	28.0	7.8	1.0	238	1.4	5.7
800	2022	2046	2007	13.6	23.0	6.0	-1.2	237	3.8	6.7
750	2557	2595	2534	10.0	20.6	3.6	-3.8	242	5.6	8.2
700	3131	3159	3118	6.5	16.2	-1.1	-7.1	256	7.0	9.7
650	3730	3766	3701	3.4	13.8	-5.7	-11.7	267	9.2	11.8
600	4379	4408	4358	0.1	8.6	-9.7	-16.5	272	12.0	14.3
550	5078	5123	5050	-3.8	4.8	-16.1	-21.2	273	14.8	17.1
500	5817	5856	5788	-8.4	-0.1	-21.7	-24.3	272	17.7	20.0
450	6628	6690	6581	-13.5	-3.9	-26.3	-26.9	271	21.1	23.6
400	7512	7573	7463	-19.2	-8.3	-35.3	-31.5	271	25.2	28.2
350	8495	8581	8430	-25.7	-14.3	-37.7		268	29.0	32.1
300	9595	9704	9520	-33.2	-21.9	-48.5		267	32.3	36.0
250	10853	10987	10746	-42.3	-29.1	-59.1		263	35.3	39.5
200	12326	12479	12198	-53.2	-39.7	-66.3		262	35.0	40.1
175	13174	13341	13034	-59.2	-45.1	-72.1		261	35.2	40.1
150	14125	14278	13962	-65.1	-51.9	-78.1		261	33.1	38.7
125	15221	15391	15000	-71.1	-61.3	-87.9		264	27.5	33.8
100	16535	16777	16284	-75.6	-61.9	-91.1		260	20.8	30.8
80	17834	18095	17517	-75.6	-59.3	-94.1		268	11.1	24.3
70	18611	18896	18278	-72.7	-52.3	-93.7		277	12.2	22.0
60	19535	19829	19182	-67.3	-49.9	-87.7				
50	20649	21003	20232	-61.4	-45.9	-81.5				
40	22045	22448	21570	-56.9	-42.5	-79.5				
30	23892	24331	23327	-52.0	-34.9	-71.1				
25	25061	25511	24497	-49.8	-34.3	-69.1				
20	26547	27008	25941	-47.2	-32.7	-61.9				
15	28462	29025	27769	-45.4	-33.9	-59.5				
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
601	4370	5120	3980				102	16500	-76.7

NORMALS OF RADIOSONDE DATA

MONTH : MARCH TIME : 0530 IST STATION : AURANGABAD

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	946	947	944	20.4	31.0	10.6	8.2	312	0.8	1.5
1000	104	119	87							
950	532	556	359							
925	777	787	750	22.0	30.8	12.0	6.9	003	3.0	5.3
900	1014	1025	999	22.8	32.8	10.8	2.3	352	3.0	6.3
850	1509	1520	1494	20.2	32.2	9.6	0.1	323	2.0	6.4
800	2027	2041	2011	16.6	29.4	6.0	-1.3	256	2.8	6.6
750	2562	2591	2535	12.5	26.2	2.4	-2.8	240	4.6	7.4
700	3144	3169	3115	8.1	18.8	-3.5	-5.0	238	6.2	8.6
650	3742	3781	3695	3.7	13.2	-6.9	-8.4	247	7.3	9.9
600	4395	4429	4355	0.0	8.6	-11.3	-14.1	263	9.0	11.5
550	5092	5130	5030	-3.8	6.6	-15.3	-19.4	270	11.3	13.6
500	5832	5871	5781	-8.3	3.0	-20.9	-24.2	270	14.2	16.4
450	6645	6721	6568	-13.5	-1.5	-26.9	-28.3	271	17.3	19.7
400	7529	7604	7450	-19.5	-4.3	-35.3	-33.3	270	21.2	23.8
350	8510	8604	8409	-26.0	-13.1	-43.9	-38.5	269	25.2	28.5
300	9608	9746	9496	-33.4	-19.7	-53.7	-46.7	266	29.3	32.8
250	10864	11042	10713	-42.4	-28.7	-68.3		264	33.0	37.1
200	12341	12574	12151	-52.3	-36.5	-69.7		262	34.7	39.1
175	13193	13452	12968	-58.1	-44.3	-76.3		263	32.8	36.7
150	14150	14440	13876	-64.1	-46.7	-84.1		262	30.7	35.2
125	15256	15564	14891	-69.5	-54.1	-88.5		260	26.3	31.8
100	16587	16937	16384	-73.8	-61.7	-88.1		264	19.5	25.9
80	17888	18273	17588	-73.9	-59.1	-92.5		283	7.3	19.0
70	18681	19114	18336	-71.1	-51.9	-90.3		296	4.4	18.0
60	19598	20053	19228	-66.0	-47.7	-86.7		311	3.0	16.7
50	20733	21201	20348	-59.6	-41.7	-79.3				
40	22156	22643	21838	-54.3	-39.1	-71.7				
30	24036	24520	23689	-48.8	-33.9	-66.3				
25	25225	25693	24846	-46.5	-35.1	-63.9				
20	26708	27299	26209	-43.8	-33.1	-61.5				
15	28670	29398	27998	-42.3	-33.1	-59.1				
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
600	4400	5210	3980				099	16690	-75.2

NORMALS OF RADIOSONDE DATA

MONTH : APRIL TIME : 0530 IST STATION : AURANGABAD

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	944	946	943	24.0	30.8	13.4	10.4	299	1.5	2.0
1000	81	107	68							
950	515	550	488							
925	761	775	748	24.5	36.4	16.0	9.5	329	4.6	6.1
900	1002	1020	991	25.3	41.0	13.8	3.6	332	5.4	7.4
850	1501	1520	1488	22.9	37.4	10.6	0.7	332	4.5	7.1
800	2024	2041	2012	19.3	32.8	7.6	-1.3	311	2.8	6.4
750	2565	2590	2537	14.9	27.6	4.2	-2.6	255	2.5	6.6
700	3151	3169	3136	10.1	22.0	0.8	-4.1	227	3.3	6.9
650	3753	3777	3720	4.9	19.2	-5.9	-6.9	225	4.2	7.9
600	4408	4446	4378	0.3	16.0	-10.5	-11.3	247	4.8	8.3
550	5107	5153	5059	-3.6	10.6	-15.5	-16.7	268	6.5	9.6
500	5847	5910	5793	-7.9	4.8	-21.9	-22.5	277	8.5	11.5
450	6661	6744	6589	-12.9	-0.1	-27.9	-27.6	276	11.0	14.0
400	7547	7632	7461	-18.8	-6.5	-31.3	-32.6	273	14.1	17.3
350	8531	8628	8426	-25.4	-13.5	-37.1	-37.1	270	17.5	21.0
300	9631	9759	9510	-32.7	-21.3	-48.7	-44.5	264	21.1	25.2
250	10893	11051	10754	-41.4	-27.1	-55.5		262	24.3	28.3
200	12379	12570	12176	-51.4	-38.1	-65.1		256	26.2	30.3
175	13244	13450	13051	-56.7	-40.1	-72.1		255	25.8	29.0
150	14214	14463	14001	-62.4	-45.9	-76.9		252	24.0	27.0
125	15329	15609	15077	-68.2	-49.7	-86.5		257	18.0	22.7
100	16650	17020	16355	-73.3	-58.1	-90.1		254	12.3	18.3
80	17969	18386	17621	-73.3	-59.1	-90.9		238	6.1	16.2
70	18778	19217	18309	-69.9	-52.1	-85.9		253	4.1	15.7
60	19704	20165	19195	-64.8	-43.3	-82.9		164	1.2	14.2
50	20845	21327	20251	-58.4	-38.5	-74.3		018	1.4	14.1
40	22270	22827	21612	-52.9	-38.9	-73.9				
30	24169	24700	23235	-47.1	-32.5	-64.9				
25	25360	25810	24407	-44.9	-32.7	-57.3				
20	26845	27291	26275	-42.4	-23.7	-51.9				
15	28825	29261	28110	-39.4	-33.1	-51.1				
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
594	4510	5260	3850				098	16840	-74.9

NORMALS OF RADIOSONDE DATA

MONTH : MAY TIME : 0530 IST STATION : AURANGABAD

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	942	944	940	25.5	32.6	20.0	15.6	285	3.0	3.3
1000	61	89	45							
950	500	524	480							
925	744	759	711	25.6	34.6	19.8	14.0	302	6.8	7.9
900	986	1007	970	25.6	36.2	17.4	9.9	311	7.9	9.3
850	1486	1505	1470	24.0	32.8	15.2	5.2	318	7.2	8.9
800	2013	2034	1998	20.9	31.0	13.0	2.0	314	4.6	7.2
750	2558	2596	2524	16.8	29.0	6.6	0.4	295	2.2	6.3
700	3147	3179	3129	11.9	24.6	3.2	-1.7	250	1.4	6.3
650	3752	3790	3717	7.0	18.2	-2.9	-4.2	234	1.2	6.5
600	4413	4451	4389	2.3	12.4	-7.5	-8.1	274	1.1	6.5
550	5116	5184	5085	-1.7	10.0	-11.9	-12.8	312	2.5	7.2
500	5863	5913	5830	-5.8	5.2	-16.5	-17.5	313	4.2	8.5
450	6684	6765	6637	-10.4	0.8	-20.9	-21.9	305	5.4	10.0
400	7580	7665	7522	-15.8	-4.5	-25.3	-27.3	295	6.4	11.5
350	8576	8705	8502	-22.2	-9.9	-32.5	-31.7	281	7.8	13.1
300	9692	9837	9602	-29.6	-16.1	-43.5	-39.0	268	9.9	14.7
250	10968	11148	10847	-38.6	-24.5	-52.9		256	11.7	16.4
200	12464	12689	12306	-49.6	-36.3	-62.3		242	12.9	17.6
175	13335	13574	13179	-55.7	-42.1	-69.7		234	12.0	17.2
150	14302	14565	14098	-62.5	-48.1	-76.1		230	10.0	16.1
125	15425	15683	15281	-68.9	-53.5	-85.5		213	6.4	14.9
100	16729	17079	16566	-74.3	-58.1	-89.1		138	3.5	12.6
80	18044	18414	17836	-72.9	-57.7	-84.9		096	6.1	12.1
70	18852	19228	18604	-69.0	-53.3	-81.9		086	6.8	11.0
60	19790	20243	19547	-62.9	-45.3	-75.3		083	7.9	11.3
50	20934	21293	20610	-56.5	-39.9	-71.3		083	8.2	10.1
40	22397	22760	22055	-51.5	-35.3	-72.1		081	9.0	10.7
30	24319	24670	23893	-45.7	-37.1	-67.5				
25	25506	25909	25109	-43.5	-30.9	-65.5				
20	26981	27443	26447	-42.3	-34.5	-64.7				
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
570	4830	5770	4240				100	16780	-75.5

NORMALS OF RADIOSONDE DATA

MONTH : JUNE TIME : 0530 IST STATION : AURANGABAD

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	939	941	937	24.1	32.0	20.4	20.5	271	3.5	3.9
1000	39	53	28							
950	473	503	438							
925	716	738	680	23.6	30.6	14.4	19.6	281	7.2	7.8
900	959	980	941	22.6	34.0	15.0	17.8	281	8.7	9.8
850	1455	1480	1434	20.9	31.6	12.8	13.9	286	8.3	10.1
800	1977	2007	1954	18.7	29.2	10.4	10.6	287	5.8	8.5
750	2524	2561	2505	15.6	26.2	7.4	7.3	285	3.2	7.1
700	3109	3144	3086	12.0	20.8	4.2	3.9	289	1.7	6.8
650	3721	3759	3693	8.1	17.2	0.0	0.0	316	0.7	6.5
600	4380	4411	4358	4.1	14.4	-3.9	-3.5	004	0.6	6.2
550	5097	5141	5062	0.2	9.8	-8.9	-7.2	326	0.4	6.1
500	5841	5882	5813	-3.4	7.0	-10.7	-11.2	356	0.7	6.2
450	6677	6748	6629	-7.4	0.4	-15.7	-15.7	027	1.3	6.3
400	7578	7647	7523	-12.4	-3.3	-23.1	-20.5	046	1.7	6.8
350	8588	8665	8514	-18.6	-8.5	-29.5	-27.0	064	2.6	7.1
300	9720	9826	9623	-26.3	-15.1	-38.7	-34.2	079	4.0	8.5
250	11014	11145	10881	-35.7	-23.1	-48.1	-43.4	090	5.5	10.2
200	12522	12671	12342	-47.9	-36.3	-60.9	-56.4	093	9.0	13.3
175	13397	13554	13244	-54.8	-43.9	-67.5		094	12.1	15.5
150	14370	14542	14211	-62.2	-50.7	-76.5		092	14.8	17.9
125	15474	15690	15297	-69.8	-57.7	-86.3		089	18.9	21.4
100	16788	17052	16574	-75.0	-60.1	-91.7		088	21.7	23.6
80	18085	18438	17808	-73.4	-54.5	-89.7		082	20.1	21.2
70	18885	19297	18569	-68.5	-52.9	-81.5		081	19.5	20.7
60	19823	20231	19406	-62.6	-47.3	-74.5		078	18.3	19.4
50	20966	21453	20488	-56.5	-36.5	-71.9		078	18.6	20.1
40	22421	22942	21836	-51.1	-34.1	-69.1				
30	24323	24771	23588	-46.3	-32.7	-65.7				
25	25537	26028	25130	-43.7	-32.1	-57.3				
20	27052	27655	26814	-41.0	-29.9	-55.1				
15										
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FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
545	5150	6000	4610				101	16750	-75.8

NORMALS OF RADIOSONDE DATA

MONTH : JULY TIME : 0530 IST STATION : AURANGABAD

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	939	941	937	22.7	34.0	20.4	20.7	265	3.3	3.5
1000	37	57	18							
950	469	487	433							
925	705	717	675	22.3	29.6	15.8	20.4	273	7.0	7.4
900	953	970	941	21.1	27.8	15.8	18.9	270	9.2	10.0
850	1447	1460	1431	19.1	28.4	12.8	16.3	269	10.9	11.9
800	1966	1977	1945	16.8	24.8	11.0	13.4	269	10.4	11.7
750	2514	2531	2498	14.4	25.0	8.2	9.8	268	8.8	10.5
700	3094	3112	3067	11.7	23.0	5.0	5.4	270	6.5	8.7
650	3709	3733	3676	8.4	20.4	0.6	1.6	273	4.8	7.6
600	4367	4398	4336	4.9	18.0	-3.1	-1.5	281	3.9	7.6
550	5087	5122	5040	1.0	12.4	-6.1	-5.1	295	2.5	6.8
500	5832	5884	5791	-2.8	7.8	-13.9	-9.5	320	1.4	6.5
450	6669	6736	6610	-7.1	2.2	-17.7	-13.8	039	1.3	6.5
400	7571	7653	7503	-12.3	0.0	-21.9	-19.3	075	3.4	7.2
350	8582	8663	8494	-18.5	-7.7	-29.5	-26.4	084	6.1	8.8
300	9714	9839	9600	-26.3	-13.5	-39.7	-34.3	086	9.2	11.0
250	11009	11165	10857	-36.0	-23.9	-50.9	-43.7	085	13.6	15.0
200	12519	12696	12333	-48.4	-37.9	-63.9	-54.8	083	19.5	20.9
175	13393	13595	13212	-55.3	-43.1	-69.1	-60.9	083	23.6	24.9
150	14364	14566	14227	-62.7	-48.9	-75.5		082	29.9	31.4
125	15464	15696	15289	-70.5	-54.3	-82.1		084	34.7	36.6
100	16771	17021	16603	-74.7	-64.7	-88.5		085	38.2	39.5
80	18076	18280	17907	-71.5	-58.1	-83.1		082	30.3	32.4
70	18886	19192	18683	-67.1	-54.5	-81.5		080	32.0	33.1
60	19828	20140	19624	-62.4	-49.5	-81.5		080	30.7	32.4
50	20961	21372	20657	-58.0	-41.9	-71.3		076	32.1	34.9
40	22413	22859	22124	-53.2	-38.1	-68.3				
30	24285	24856	23964	-49.4	-32.7	-71.5				
25	25425	26061	25073	-48.8	-33.1	-74.3				
20										
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FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
536	5280	6170	4580				104	16570	-76.0

NORMALS OF RADIOSONDE DATA

MONTH : AUGUST TIME : 0530 IST STATION : AURANGABAD

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	940	941	937	22.0	29.4	19.2	20.2	271	3.3	3.5
1000	50	64	39							
950	479	505	446							
925	720	735	682	21.6	28.0	17.2	19.7	281	8.0	8.4
900	964	974	947	20.4	26.8	11.8	18.2	276	10.0	10.8
850	1456	1468	1437	18.3	25.6	10.0	15.8	275	10.9	12.0
800	1973	1988	1953	16.2	26.2	7.0	13.0	275	9.9	11.2
750	2519	2548	2499	13.7	24.0	6.2	9.6	276	8.0	9.6
700	3098	3121	3072	11.1	21.2	3.4	5.1	282	6.3	8.4
650	3714	3750	3679	8.1	18.0	1.0	1.3	289	5.0	7.5
600	4370	4399	4338	4.6	14.4	-3.7	-2.4	300	3.4	6.5
550	5089	5124	5061	1.0	10.8	-6.3	-5.9	313	2.4	6.1
500	5836	5872	5802	-2.8	8.4	-9.1	-9.9	359	2.1	6.0
450	6671	6714	6629	-7.2	6.0	-13.9	-14.8	040	2.5	6.2
400	7573	7623	7523	-12.4	-2.7	-24.5	-20.1	060	3.9	7.1
350	8579	8627	8512	-18.8	-7.5	-29.1	-26.8	072	6.5	8.5
300	9713	9777	9617	-26.5	-14.7	-37.5	-34.5	079	9.3	10.7
250	11007	11085	10874	-36.3	-25.1	-47.3	-44.3	083	13.0	14.2
200	12516	12613	12361	-48.6	-37.5	-62.1	-56.2	084	19.8	20.9
175	13386	13496	13221	-55.4	-44.1	-71.5		083	23.0	24.2
150	14351	14471	14142	-63.1	-49.5	-83.9		081	26.7	28.4
125	15464	15602	15250	-70.4	-54.5	-86.1		083	30.6	32.0
100	16779	16939	16569	-74.3	-62.1	-89.9		081	32.5	33.3
80	18090	18279	17796	-70.1	-54.9	-84.3		075	28.4	29.3
70	18886	19190	18649	-66.5	-50.1	-82.7		074	27.0	27.9
60	19839	20121	19598	-62.1	-47.1	-79.1		078	24.1	24.6
50	20985	21264	20685	-57.8	-40.3	-75.3		076	26.1	26.8
40	22426	22688	22099	-53.2	-40.7	-71.5				
30	24284	24523	23989	-48.8	-36.9	-63.9				
25	25480	25696	25199	-46.6	-38.3	-53.3				
20	26949	27195	26662	-44.1	-37.9	-49.9				
15										
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FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
536	5270	5820	4750				107	16440	-75.3

NORMALS OF RADIOSONDE DATA

MONTH : SEPTEMBER TIME : 0530 IST STATION : AURANGABAD

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	943	945	940	21.8	29.0	17.2	19.7	278	2.0	2.3
1000	74	88	46							
950	502	535	468							
925	739	767	699	21.7	27.0	17.4	18.7	295	5.7	7.0
900	988	1009	959	21.4	29.6	15.4	17.6	303	5.5	7.5
850	1481	1502	1453	19.3	28.8	12.0	14.7	314	3.8	7.1
800	1999	2024	1975	16.5	26.6	8.0	11.4	317	2.4	6.5
750	2541	2573	2521	13.4	23.2	6.0	7.4	331	1.5	6.0
700	3122	3152	3104	10.2	20.4	0.8	3.6	341	1.4	5.7
650	3733	3768	3708	6.9	18.6	-2.9	-0.2	344	1.1	5.4
600	4389	4423	4364	3.7	15.0	-5.5	-4.1	345	0.7	5.2
550	5105	5134	5069	0.4	12.0	-8.5	-7.8	355	0.8	5.2
500	5850	5888	5821	-3.4	9.0	-14.5	-11.9	024	1.0	5.6
450	6683	6730	6634	-7.8	6.0	-17.5	-16.6	059	1.7	5.8
400	7584	7634	7533	-13.2	0.0	-23.1	-22.3	068	2.7	6.4
350	8586	8649	8525	-19.7	-6.9	-30.3	-28.5	076	3.4	6.9
300	9717	9796	9635	-27.3	-12.7	-38.7	-35.8	087	5.2	8.1
250	11004	11102	10892	-37.1	-23.7	-50.3	-44.8	094	7.2	9.9
200	12508	12638	12350	-49.5	-39.1	-61.7	-57.6	098	10.5	12.7
175	13371	13509	13173	-56.3	-46.3	-73.1		099	13.1	15.2
150	14337	14487	14224	-63.8	-53.5	-76.3		096	16.4	18.1
125	15432	15651	15307	-71.2	-56.5	-85.3		094	19.0	20.7
100	16733	16994	16601	-75.2	-64.1	-90.5		091	20.0	21.0
80	18034	18295	17872	-70.5	-56.1	-87.5		084	17.1	18.4
70	18846	19121	18664	-65.5	-53.9	-87.3		079	17.0	17.9
60	19782	20012	19513	-61.7	-46.5	-83.7		080	18.8	19.5
50	20913	21175	20679	-57.2	-42.1	-80.1		080	17.8	20.6
40	22341	22696	22071	-53.0	-38.3	-76.1				
30	24175	24601	23863	-49.0	-34.9	-72.7				
25	25317	25755	24973	-47.2	-31.9	-71.3				
20	26788	27259	26485	-45.0	-34.5	-69.5				
15										
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FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
546	5150	5940	4690				107	16350	-75.6

NORMALS OF RADIOSONDE DATA

MONTH : OCTOBER TIME : 0530 IST STATION : AURANGABAD

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	945	949	942	19.8	27.2	13.0	15.7	344	0.3	0.7
1000	105	132	88							
950	530	575	503							
925	766	805	741	21.1	26.2	15.2	15.8	023	2.1	4.6
900	1013	1043	1000	21.8	30.8	11.2	11.7	038	2.7	5.5
850	1506	1535	1489	19.0	27.6	10.8	8.4	051	3.5	6.1
800	2023	2051	2002	15.4	24.8	7.4	5.5	050	3.7	6.3
750	2561	2593	2534	11.6	22.2	3.8	2.4	045	3.5	6.3
700	3139	3163	3113	8.0	18.4	-0.5	-0.7	040	2.8	6.2
650	3745	3788	3715	5.3	16.8	-2.5	-4.8	026	2.1	6.2
600	4396	4432	4373	2.6	13.0	-6.3	-8.0	016	1.7	6.4
550	5107	5164	5079	-0.8	9.4	-10.3	-10.9	358	1.6	6.5
500	5851	5904	5824	-4.8	6.4	-13.1	-15.1	337	1.6	6.7
450	6677	6746	6646	-9.7	1.8	-18.1	-19.6	314	2.2	7.1
400	7572	7654	7534	-15.4	-3.9	-24.1	-25.5	294	2.7	7.7
350	8568	8646	8521	-22.1	-10.5	-32.3	-31.7	266	3.7	8.3
300	9685	9799	9616	-30.0	-17.9	-41.9	-39.1	248	5.1	9.1
250	10958	11095	10868	-39.9	-28.7	-52.1	-47.2	235	7.1	10.8
200	12443	12596	12318	-52.0	-40.9	-66.5		221	8.3	12.0
175	13295	13464	13167	-59.0	-46.1	-76.7		211	8.1	11.9
150	14246	14426	14120	-66.1	-53.5	-82.3		204	7.3	11.6
125	15330	15518	15166	-73.0	-59.1	-90.1		175	4.7	10.7
100	16616	16863	16376	-76.5	-62.1	-90.1		132	5.1	9.7
80	17916	18194	17633	-72.1	-57.7	-88.9		093	6.9	9.1
70	18724	19020	18422	-67.4	-51.3	-89.9		080	7.3	8.9
60	19654	19973	19319	-63.2	-47.5	-84.1		082	9.1	10.6
50	20797	21126	20413	-58.0	-43.3	-76.9		077	11.4	12.6
40	22211	22591	21829	-53.3	-35.1	-71.5				
30	24103	24473	23710	-48.2	-33.3	-68.5				
25	25242	25654	24825	-46.5	-35.5	-66.9				
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
565	4890	5630	4310				107	16290	-77.4

NORMALS OF RADIOSONDE DATA

MONTH : NOVEMBER TIME : 0530 IST STATION : AURANGABAD

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	948	950	947	16.0	24.2	8.4	11.7	083	0.3	0.4
1000	132	148	116							
950	552	585	527	15.0	20.6	9.4	9.6	092	1.7	2.1
925	788	812	769	18.7	25.2	12.4	11.2	082	2.4	3.8
900	1030	1049	1017	19.7	28.4	11.2	7.9	087	3.9	5.2
850	1518	1539	1503	16.7	28.4	7.2	5.2	086	3.9	5.5
800	2031	2053	2013	13.3	26.2	5.6	2.5	079	3.1	5.7
750	2571	2594	2544	10.6	22.8	2.4	-0.4	057	1.9	5.8
700	3142	3165	3120	8.2	19.2	-1.7	-2.5	020	1.5	6.1
650	3750	3786	3718	5.6	16.4	-6.1	-6.0	346	1.7	6.7
600	4400	4436	4376	2.4	13.8	-9.1	-10.1	321	2.3	7.3
550	5108	5171	5074	-1.4	10.0	-10.1	-13.5	310	3.6	8.5
500	5850	5910	5816	-6.0	6.2	-15.3	-17.7	292	4.8	9.6
450	6670	6759	6623	-11.3	2.0	-21.7	-21.8	283	6.5	11.0
400	7561	7652	7519	-17.1	-4.1	-26.1	-27.9	276	8.9	13.0
350	8548	8642	8504	-24.1	-11.3	-34.7	-35.2	269	12.2	15.6
300	9657	9791	9599	-32.0	-21.1	-41.1	-41.6	260	15.2	18.4
250	10918	11063	10854	-41.7	-24.7	-51.5		253	18.7	21.5
200	12392	12603	12308	-53.4	-36.7	-62.5		246	19.9	22.6
175	13238	13449	13161	-59.8	-41.9	-71.5		244	20.2	22.9
150	14184	14435	14084	-66.6	-48.1	-80.1		241	18.5	21.0
125	15274	15554	15145	-72.6	-55.5	-90.3		241	14.3	17.3
100	16550	16871	16390	-76.6	-60.9	-90.5		244	8.9	14.7
80	17847	18134	17667	-74.4	-55.7	-90.5		244	1.0	10.1
70	18638	18913	18398	-70.4	-54.1	-83.9		056	2.8	9.6
60	19551	19846	19299	-65.2	-44.5	-77.5		057	3.2	9.2
50	20667	20980	20344	-59.5	-44.1	-75.1		070	3.9	13.0
40	22091	22438	21702	-54.4	-41.7	-68.9				
30	23970	24370	23641	-49.1	-37.1	-60.1				
25	25095	25603	24613	-46.5	-34.5	-60.1				
20	26679	27074	26071	-43.7	-34.9	-53.7				
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
572	4800	5650	4270				103	16430	-78.0

NORMALS OF RADIOSONDE DATA

MONTH : DECEMBER TIME : 0530 IST STATION : AURANGABAD

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	949	951	947	13.1	24.8	4.6	8.5	093	0.4	0.5
1000	147	159	129							
950	567	588	529	12.3	19.4	7.6	7.9	102	1.9	2.1
925	805	815	786	16.7	27.4	9.4	7.8	090	2.4	3.7
900	1038	1050	1016	17.8	26.4	8.6	5.9	105	3.4	5.1
850	1524	1538	1502	15.3	27.0	6.2	3.1	119	2.4	5.0
800	2034	2047	2010	12.6	24.2	5.4	0.1	156	1.1	5.2
750	2573	2588	2538	10.5	27.2	2.8	-4.7	248	1.1	5.8
700	3142	3161	3111	8.3	24.8	-0.9	-9.0	275	2.6	6.8
650	3751	3774	3711	5.3	19.8	-3.3	-11.8	281	4.2	8.2
600	4400	4437	4371	1.5	14.4	-5.7	-14.6	279	5.9	9.5
550	5103	5155	5073	-2.8	10.0	-11.7	-17.7	276	7.7	11.1
500	5844	5909	5812	-7.6	5.0	-16.5	-21.7	273	10.1	12.9
450	6658	6738	6606	-13.0	-4.1	-23.1	-25.0	271	13.0	15.7
400	7542	7630	7494	-19.1	-9.3	-29.3	-30.6	267	16.3	19.0
350	8524	8604	8462	-25.9	-13.9	-35.7	-37.7	264	19.8	22.7
300	9625	9717	9539	-33.8	-20.9	-45.9	-44.0	261	23.7	26.9
250	10875	10971	10766	-43.5	-31.9	-55.7		259	27.7	31.6
200	12342	12458	12207	-54.4	-42.5	-66.7		254	29.6	33.4
175	13186	13352	13041	-60.5	-48.5	-74.5		254	29.4	32.6
150	14131	14368	13977	-66.5	-48.1	-88.3		255	28.5	30.9
125	15223	15467	14963	-71.2	-56.7	-85.7		252	24.3	26.2
100	16533	16816	16308	-75.3	-57.9	-88.5		255	16.6	19.2
80	17839	18159	17501	-74.7	-59.1	-87.9		287	7.3	13.8
70	18640	18936	18364	-71.3	-55.1	-89.5				
60	19556	19835	19178	-66.4	-49.7	-79.1				
50	20692	20977	20358	-60.6	-46.1	-74.1				
40	22135	22388	21678	-55.0	-41.3	-72.9				
30	23974	24216	23416	-51.3	-39.7	-73.9				
25	25158	25333	24488	-49.2	-37.9	-73.1				
20	26662	26885	26204	-45.6	-35.5	-72.5				
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
583	4650	5180	4220				102	16460	-76.2

NORMALS OF RADIOSONDE DATA

MONTH : JANUARY TIME : 0530 IST STATION : BANGALURU

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	911	913	909	16.3	21.4	10.8	14.4	087	2.5	2.7
1000	121	144	103							
950	562	584	544							
925	792	813	776							
900	1025	1043	1007	16.3	26.6	10.8	12.9	089	5.3	5.9
850	1512	1527	1490	15.8	24.8	6.6	6.3	087	5.6	6.9
800	2026	2040	2001	14.1	22.6	6.0	1.0	079	4.6	6.3
750	2567	2582	2540	11.9	21.0	4.0	-3.5	074	3.7	5.9
700	3143	3160	3112	9.7	16.6	0.8	-7.6	072	3.1	5.8
650	3753	3771	3722	6.6	13.2	0.2	-10.6	068	2.3	5.9
600	4406	4429	4371	3.0	11.2	-3.3	-13.8	051	1.5	6.3
550	5105	5131	5069	-1.1	8.8	-8.0	-17.6	027	1.1	6.5
500	5859	5894	5819	-5.6	4.6	-12.3	-21.8	347	0.8	6.8
450	6677	6719	6645	-10.7	-1.7	-18.5	-26.4	313	1.3	7.7
400	7574	7631	7528	-16.5	-7.5	-23.1	-32.0	295	2.9	8.8
350	8564	8634	8513	-23.3	-13.3	-30.5	-38.4	275	4.7	10.0
300	9677	9768	9622	-31.5	-21.5	-38.9	-45.6	256	6.6	10.9
250	10941	11055	10879	-41.6	-33.3	-49.7		240	8.0	12.3
200	12419	12568	12341	-53.3	-43.7	-64.9		229	9.3	14.0
175	13268	13433	13168	-59.8	-49.1	-71.1		226	8.2	13.8
150	14214	14415	14094	-66.8	-54.9	-78.7		231	6.6	13.2
125	15298	15525	15184	-73.3	-61.7	-87.1		228	3.3	11.8
100	16585	16844	16434	-78.2	-67.1	-86.0		086	0.8	9.0
80	17857	18162	17663	-76.3	-64.7	-84.7		088	2.1	6.9
70	18636	18951	18447	-73.0	-62.3	-87.9		122	0.9	6.2
60	19545	19870	19378	-69.0	-58.1	-84.0		028	0.7	6.7
50	20652	20994	20494	-64.0	-52.7	-76.0		050	1.2	7.6
40	22030	22348	21932	-59.1	-48.1	-70.0				
30	23848	24183	23645	-54.2	-44.3	-65.5				
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
562	4930	5330	4610				100	16620	-79.6

NORMALS OF RADIOSONDE DATA

MONTH : FEBRUARY TIME : 0530 IST STATION : BANGALURU

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	910	912	907	18.2	24.4	13.0	15.0	102	1.8	2.3
1000	109	128	82							
950	552	571	525							
925	784	796	762							
900	1018	1035	991	18.2	24.2	8.0	13.7	106	3.8	5.3
850	1509	1525	1479	17.7	27.0	9.8	8.0	100	4.0	6.6
800	2025	2043	1992	15.1	24.6	8.2	4.1	073	3.2	5.9
750	2567	2588	2532	12.0	21.6	4.6	-0.2	052	3.1	5.5
700	3143	3166	3108	9.2	17.6	3.0	-5.8	050	2.5	5.7
650	3753	3779	3718	6.5	13.4	0.0	-11.4	038	1.6	6.2
600	4407	4436	4374	3.2	10.4	-3.5	-15.1	012	1.2	6.7
550	5106	5141	5069	-0.8	6.2	-8.1	-18.8	337	1.4	7.0
500	5861	5901	5819	-5.4	1.0	-11.7	-22.1	309	1.9	7.6
450	6679	6725	6642	-10.5	-2.3	-17.7	-26.9	294	2.6	8.3
400	7577	7639	7526	-16.2	-6.3	-23.1	-32.4	288	4.3	9.5
350	8568	8639	8503	-23.0	-14.3	-30.9	-38.9	282	6.1	11.0
300	9682	9774	9609	-31.2	-23.3	-38.9	-46.0	267	7.5	12.2
250	10948	11061	10865	-41.1	-32.5	-50.0		255	8.3	12.7
200	12426	12575	12324	-53.0	-43.5	-64.0		246	7.4	12.9
175	13276	13442	13163	-59.5	-50.5	-69.7		247	6.9	13.0
150	14228	14407	14080	-66.4	-56.1	-77.5		243	5.6	12.5
125	15309	15517	15151	-72.8	-62.3	-87.1		229	3.4	11.4
100	16594	16817	16395	-77.8	-67.5	-88.5		283	0.2	9.0
80	17873	18095	17609	-76.3	-65.1	-90.1		047	1.6	7.0
70	18649	18890	18367	-73.4	-59.9	-85.5		051	0.9	6.5
60	19566	19790	19271	-69.0	-53.1	-81.1		116	0.7	7.1
50	20680	20921	20373	-63.8	-49.1	-76.7		096	1.1	7.9
40	22061	22307	21768	-59.1	-43.1	-74.1		119	0.7	7.8
30	23889	24147	23479	-54.2	-35.5	-70.7				
25	25061	25357	24795	-52.1	-41.9	-68.5				
20	26517	26832	26279	-49.2	-37.5	-64.3				
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
560	4950	5300	4620				099	16670	-79.5

NORMALS OF RADIOSONDE DATA

MONTH : MARCH TIME : 0530 IST STATION : BANGALURU

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	910	911	907	20.5	24.8	15.0	15.6	124	1.0	2.0
1000	97	109	69							
950	544	556	520							
925	776	786	752							
900	1014	1025	989	20.6	25.6	15.0	14.4	138	2.2	4.4
850	1508	1523	1487	19.9	30.4	13.0	8.0	125	3.4	6.4
800	2029	2047	2011	17.2	25.2	11.0	3.5	083	4.3	6.7
750	2574	2592	2559	13.4	24.0	6.0	0.5	061	5.5	7.1
700	3152	3177	3134	9.3	21.2	0.8	-3.3	054	5.7	7.4
650	3762	3790	3736	5.9	16.4	-2.0	-8.5	058	5.2	7.3
600	4413	4451	4387	2.9	12.0	-4.5	-14.2	065	4.0	6.9
550	5112	5155	5080	-0.9	7.6	-8.0	-19.3	061	2.6	6.8
500	5867	5920	5831	-5.4	3.4	-14.1	-24.0	035	1.4	7.2
450	6685	6747	6640	-10.5	-1.5	-19.9	-28.2	329	1.5	7.5
400	7583	7660	7534	-16.4	-7.1	-24.0	-33.8	288	3.3	8.7
350	8574	8666	8512	-23.1	-13.5	-31.5	-39.5	277	5.5	10.5
300	9688	9802	9618	-31.1	-22.5	-41.5	-46.8	263	7.7	12.3
250	10953	11090	10870	-40.9	-31.1	-50.9		254	9.1	13.4
200	12434	12601	12335	-52.5	-42.7	-72.0		245	9.5	14.1
175	13285	13467	13182	-59.0	-49.3	-72.3		244	8.2	13.5
150	14239	14437	14119	-65.9	-56.5	-80.1		247	6.8	12.7
125	15329	15551	15181	-72.4	-61.3	-86.5		255	3.5	10.7
100	16619	16879	16462	-78.0	-67.1	-90.5		115	0.1	8.6
80	17895	18172	17733	-75.9	-63.1	-88.1		088	1.7	6.7
70	18679	18962	18491	-72.5	-60.1	-86.3		133	0.2	6.2
60	19593	19884	19373	-68.1	-54.5	-79.3		277	1.3	7.3
50	20709	21009	20501	-62.6	-48.7	-73.1		262	1.5	8.6
40	22118	22440	21810	-57.2	-43.9	-69.3		280	1.6	8.6
30	23964	24275	23758	-52.3	-37.1	-65.1				
25	25147	25445	24967	-50.2	-34.5	-63.1				
20	26605	26920	26369	-47.8	-35.1	-60.9				
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
563	4920	5500	4470				098	16770	-79.5

NORMALS OF RADIOSONDE DATA

MONTH : APRIL TIME : 0530 IST STATION : BANGALURU

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	908	910	907	22.5	26.8	18.0	18.7	225	0.9	2.0
1000	78	93	61							
950	527	544	510							
925	764	777	748							
900	1002	1018	985	22.3	26.4	17.8	18.0	221	1.9	4.0
850	1498	1514	1479	20.9	28.0	12.6	13.6	212	2.0	5.4
800	2022	2038	2000	18.5	25.8	8.6	8.0	087	2.2	5.4
750	2570	2591	2546	15.0	22.6	6.0	3.4	063	5.4	6.7
700	3152	3173	3125	10.8	18.2	3.8	-0.1	056	7.2	8.1
650	3765	3787	3732	6.4	14.6	0.6	-4.2	056	7.4	8.5
600	4418	4444	4381	2.7	10.4	-3.7	-8.8	060	6.0	7.8
550	5117	5152	5077	-0.8	6.8	-10.0	-14.3	069	3.6	6.5
500	5873	5919	5829	-4.9	1.8	-12.0	-19.3	082	1.5	6.4
450	6693	6748	6645	-9.7	-2.7	-16.9	-24.2	033	0.5	7.0
400	7594	7663	7538	-15.4	-7.5	-22.5	-29.6	291	1.6	7.9
350	8588	8671	8524	-22.2	-12.9	-29.3	-35.5	272	3.6	9.3
300	9706	9809	9629	-30.2	-20.5	-38.5	-42.5	264	5.6	10.6
250	10978	11104	10885	-40.0	-31.1	-47.1	-50.7	249	7.6	11.8
200	12464	12627	12348	-51.6	-41.7	-62.5		238	8.2	12.5
175	13318	13499	13188	-58.3	-48.1	-66.9		233	7.6	12.2
150	14273	14476	14125	-65.4	-53.5	-76.0		234	5.8	11.3
125	15366	15585	15206	-72.2	-60.7	-86.5		221	2.2	9.5
100	16661	16902	16488	-77.8	-63.9	-89.7		105	2.8	8.3
80	17952	18221	17750	-75.9	-62.7	-87.9		093	4.7	8.2
70	18734	19034	18488	-72.2	-56.3	-88.9		105	2.5	7.0
60	19653	19981	19348	-67.3	-51.9	-81.9		087	0.4	7.3
50	20770	21104	20439	-61.7	-46.9	-75.9		262	0.4	8.5
40	22182	22493	21873	-56.7	-43.7	-74.3		097	1.1	8.5
30	24031	24388	23650	-51.6	-39.3	-66.7		082	3.0	9.6
25	25223	25586	24931	-49.2	-35.1	-64.3				
20	26693	27050	26172	-46.5	-37.1	-59.5				
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
562	4940	5670	4430				097	16880	-79.4

NORMALS OF RADIOSONDE DATA

MONTH : MAY TIME : 0530 IST STATION : BANGALURU

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	907	909	905	22.2	27.8	18.6	19.7	264	2.3	2.8
1000	66	85	54							
950	516	535	499							
925	752	760	744							
900	989	1011	973	22.1	26.8	18.8	19.1	265	3.7	4.8
850	1486	1506	1465	21.0	28.0	13.0	15.4	279	4.7	6.9
800	2011	2027	1987	18.9	25.8	11.0	10.9	325	2.4	6.0
750	2561	2582	2534	15.6	22.0	8.8	6.9	036	3.6	6.3
700	3145	3167	3114	11.7	18.0	5.0	2.6	050	5.1	7.3
650	3760	3785	3720	7.4	14.6	-1.0	-1.6	056	6.1	8.2
600	4414	4440	4372	3.0	10.0	-3.9	-5.8	056	5.8	8.1
550	5114	5142	5070	-0.8	5.8	-8.0	-10.7	063	4.4	7.4
500	5871	5900	5819	-4.7	1.8	-11.3	-15.5	072	2.9	6.8
450	6694	6726	6651	-9.1	-1.3	-17.5	-20.6	071	1.8	6.9
400	7597	7635	7533	-14.5	-6.9	-23.5	-26.0	065	1.1	6.6
350	8595	8645	8521	-21.1	-12.1	-29.7	-31.9	064	0.6	6.5
300	9718	9786	9638	-29.2	-19.3	-37.5	-39.3	117	0.4	6.4
250	10995	11084	10903	-39.1	-29.5	-49.5	-48.0	147	1.2	7.1
200	12486	12604	12385	-51.0	-39.5	-63.7		135	3.1	8.7
175	13342	13475	13228	-57.8	-46.1	-71.5		127	5.1	10.2
150	14297	14453	14171	-65.2	-53.9	-76.7		117	7.1	11.6
125	15386	15575	15250	-72.4	-62.1	-84.0		106	9.6	12.8
100	16675	16894	16533	-78.0	-67.3	-92.5		098	11.6	13.1
80	17958	18210	17803	-75.6	-59.9	-87.1		092	9.6	11.0
70	18737	19018	18576	-71.6	-55.1	-85.7		090	6.7	8.6
60	19662	19960	19463	-66.7	-51.9	-82.9		093	5.0	7.7
50	20785	21103	20607	-61.3	-46.1	-78.7		087	5.9	8.8
40	22191	22560	21902	-56.8	-43.5	-72.3		089	7.4	9.4
30	24046	24440	23794	-51.8	-40.9	-63.9				
25	25237	25639	24960	-49.2	-36.9	-60.7				
20	26694	27143	26419	-46.6	-31.1	-58.5				
15	28596	29098	28299	-44.2	-29.5	-56.1				
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
561	4960	5390	4540				098	16830	-79.5

NORMALS OF RADIOSONDE DATA

MONTH : JUNE TIME : 0530 IST STATION : BANGALURU

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	906	908	905	20.7	25.6	17.4	18.9	262	4.0	4.3
1000	60	74	47							
950	508	525	494							
925	741	757	727							
900	979	994	965	20.4	26.0	18.0	18.8	261	6.4	6.8
850	1473	1490	1455	18.6	28.6	12.6	15.8	269	11.5	12.2
800	1993	2013	1973	16.8	25.8	9.6	12.4	276	11.7	13.0
750	2541	2560	2515	14.5	23.2	7.2	8.3	281	8.9	11.0
700	3123	3145	3095	11.3	17.8	4.4	4.1	283	6.7	9.8
650	3738	3759	3708	7.7	14.0	0.0	0.7	280	5.0	8.7
600	4395	4422	4363	3.9	9.8	-4.1	-3.0	273	3.9	8.0
550	5097	5126	5061	-0.1	5.8	-7.5	-7.2	267	3.6	7.3
500	5857	5894	5815	-4.2	3.6	-10.7	-11.8	259	3.1	6.6
450	6681	6722	6639	-8.8	-1.9	-16.3	-16.8	255	2.0	5.7
400	7587	7640	7535	-14.2	-7.7	-24.1	-22.7	277	0.2	5.3
350	8587	8649	8521	-20.8	-13.1	-29.7	-29.5	079	2.2	5.6
300	9711	9789	9642	-28.7	-19.5	-37.7	-37.4	083	5.0	7.0
250	10992	11089	10916	-38.7	-25.5	-49.9	-46.7	087	9.5	10.7
200	12485	12606	12396	-50.7	-41.9	-60.7	-57.0	086	16.2	17.2
175	13346	13490	13243	-57.5	-48.1	-69.1		085	20.8	21.7
150	14302	14471	14192	-64.9	-54.9	-77.7		086	25.3	26.2
125	15395	15594	15279	-72.2	-60.3	-84.3		088	29.8	30.7
100	16692	16915	16524	-77.6	-66.3	-88.3		091	28.4	29.2
80	17988	18239	17783	-74.3	-61.9	-88.9		091	20.6	21.4
70	18779	19049	18548	-70.1	-56.3	-86.5		090	15.7	16.6
60	19702	19989	19397	-65.4	-50.1	-77.1		089	14.1	15.1
50	20834	21140	20487	-60.4	-43.3	-72.5		084	15.0	15.9
40	22250	22592	21876	-56.1	-39.1	-71.0				
30	24101	24491	23645	-51.8	-39.1	-66.7				
25	25287	25702	24907	-49.3	-36.1	-62.5				
20	26754	27193	26381	-46.9	-33.1	-59.9				
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
551	5080	5520	4610				100	16740	-79.2

NORMALS OF RADIOSONDE DATA

MONTH : JULY TIME : 0530 IST STATION : BANGALURU

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	906	908	905	20.2	23.4	17.6	18.7	262	3.9	4.2
1000	64	79	54							
950	511	527	498							
925	741	748	735							
900	981	998	970	19.9	22.8	17.6	18.4	263	6.4	6.7
850	1474	1490	1461	17.6	23.4	11.0	15.5	270	12.2	12.6
800	1992	2008	1977	15.6	23.0	8.8	12.4	277	13.5	14.2
750	2538	2553	2516	13.4	20.8	6.0	8.6	279	11.7	12.6
700	3119	3143	3097	10.6	18.0	3.4	4.7	281	9.5	10.4
650	3732	3759	3706	7.2	15.8	0.0	0.9	279	7.7	8.8
600	4389	4423	4361	3.5	12.8	-3.1	-2.6	275	6.2	7.6
550	5090	5131	5057	-0.3	9.0	-6.1	-6.4	268	5.0	6.8
500	5849	5902	5815	-4.5	3.8	-15.0	-10.8	261	3.9	6.4
450	6673	6729	6638	-9.1	-1.3	-16.0	-16.2	256	2.1	5.9
400	7577	7650	7530	-14.5	-5.5	-21.0	-22.3	128	0.4	5.6
350	8576	8659	8516	-21.1	-11.9	-29.0	-29.2	090	3.4	6.3
300	9700	9803	9644	-29.1	-18.1	-36.3	-37.0	088	7.7	8.9
250	10978	11108	10918	-38.9	-25.5	-53.9	-46.1	088	13.5	14.3
200	12472	12636	12402	-50.8	-35.1	-64.9	-57.3	086	22.6	23.2
175	13329	13514	13233	-57.5	-40.5	-75.9		084	27.7	28.4
150	14286	14486	14176	-64.9	-44.7	-76.5		084	32.2	32.8
125	15373	15601	15261	-72.3	-61.3	-83.9		085	36.7	37.4
100	16662	16951	16532	-76.8	-61.9	-88.7		090	34.4	35.1
80	17960	18264	17777	-71.4	-59.7	-82.3		089	24.4	25.0
70	18758	19010	18575	-67.6	-55.3	-80.1		091	20.1	20.7
60	19694	19966	19504	-63.8	-50.5	-77.1		087	18.8	19.4
50	20826	21147	20542	-59.7	-44.9	-72.9				
40	22236	22598	21839	-56.2	-42.5	-66.1				
30	24079	24448	23599	-52.1	-36.7	-64.0				
25	25254	25666	24726	-49.8	-34.9	-62.0				
20	26716	27188	26385	-47.4	-32.7	-58.3				
15										
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FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
554	5030	5520	4670				104	16470	-78.3

NORMALS OF RADIOSONDE DATA

MONTH : AUGUST TIME : 0530 IST STATION : BANGALURU

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	907	908	905	20.1	25.4	18.0	18.8	268	3.6	3.7
1000	69	79	56							
950	516	527	497							
925	751	760	739							
900	986	995	968	19.7	25.8	14.4	18.3	268	5.9	6.1
850	1478	1488	1457	17.4	24.8	10.6	15.5	276	10.7	11.2
800	1996	2012	1970	15.3	22.8	8.6	12.5	283	12.1	12.9
750	2541	2555	2511	13.1	22.2	7.0	8.8	287	10.4	11.2
700	3121	3143	3089	10.3	17.8	4.4	4.6	288	8.6	9.5
650	3734	3758	3700	7.0	14.0	-1.0	0.8	286	7.1	8.1
600	4390	4420	4352	3.4	10.0	-3.3	-2.9	279	5.8	7.3
550	5091	5125	5051	-0.4	6.0	-7.3	-6.7	271	4.5	6.6
500	5850	5892	5808	-4.4	2.0	-11.9	-11.7	262	3.5	6.2
450	6672	6720	6625	-9.0	-2.3	-15.7	-17.1	252	1.8	5.8
400	7577	7638	7533	-14.5	-5.1	-20.7	-23.1	114	0.7	5.7
350	8576	8645	8521	-21.1	-11.7	-29.3	-30.0	093	3.6	6.5
300	9699	9785	9641	-29.2	-20.7	-36.5	-37.9	093	7.6	9.1
250	10976	11081	10908	-39.1	-27.1	-46.5	-46.9	090	13.5	14.2
200	12469	12608	12379	-51.0	-36.9	-61.3	-56.8	087	22.1	22.7
175	13325	13481	13211	-57.7	-44.1	-66.7		084	26.7	27.3
150	14281	14462	14131	-65.0	-50.9	-74.7		083	30.6	31.3
125	15370	15574	15152	-72.2	-58.7	-84.7		085	33.6	34.2
100	16667	16935	16559	-76.6	-65.3	-85.5		089	29.7	30.3
80	17962	18138	17835	-70.7	-59.3	-83.9		089	20.2	20.9
70	18764	18955	18627	-67.0	-50.5	-77.7		085	18.8	19.5
60	19700	19909	19515	-63.7	-50.5	-73.1		085	19.4	19.8
50	20832	21049	20598	-60.0	-45.1	-69.0				
40	22249	22486	21976	-56.4	-45.5	-65.5				
30	24098	24393	23728	-52.0	-37.7	-62.1				
25	25284	25590	24910	-49.9	-39.5	-59.7				
20	26755	27059	26237	-47.5	-36.5	-58.1				
15										
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FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
554	5030	5440	4730				104	16430	-78.1

NORMALS OF RADIOSONDE DATA

MONTH : SEPTEMBER TIME : 0530 IST STATION : BANGALURU

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	908	909	906	20.2	23.0	17.0	19.0	269	2.2	2.5
1000	78	91	67							
950	525	543	513							
925	760	772	748							
900	994	1006	983	19.9	26.0	13.8	18.4	273	4.0	4.7
850	1487	1499	1473	18.0	25.2	12.8	15.1	283	6.2	7.5
800	2006	2019	1988	15.8	22.2	10.0	11.8	290	5.1	7.2
750	2551	2566	2526	13.1	19.8	5.0	8.1	297	3.6	6.4
700	3130	3151	3105	10.1	18.0	4.0	4.0	297	3.2	6.0
650	3743	3766	3712	6.9	14.6	-2.9	0.0	291	2.9	5.8
600	4399	4427	4365	3.3	9.4	-3.7	-4.1	281	2.2	5.7
550	5100	5131	5058	-0.4	5.2	-6.1	-8.1	263	1.3	5.7
500	5859	5897	5815	-4.6	1.2	-11.7	-12.8	192	0.2	5.5
450	6680	6723	6627	-9.3	-2.1	-15.9	-17.9	103	1.5	5.7
400	7584	7637	7531	-14.8	-9.1	-22.3	-23.8	093	3.0	6.1
350	8581	8643	8519	-21.5	-14.5	-28.9	-30.4	094	5.0	6.9
300	9703	9781	9638	-29.6	-21.7	-38.1	-38.5	093	7.8	8.8
250	10980	11071	10904	-39.5	-31.7	-46.1	-47.6	093	11.2	11.9
200	12469	12574	12374	-51.7	-41.7	-59.5		090	16.4	17.3
175	13322	13437	13211	-58.6	-47.9	-68.7		090	20.2	21.0
150	14275	14407	14149	-66.1	-53.9	-75.1		090	24.1	24.9
125	15360	15506	15208	-73.0	-58.7	-85.1		092	26.4	27.3
100	16658	16818	16451	-76.2	-60.5	-88.3		094	21.5	22.1
80	17969	18158	17748	-71.1	-55.9	-81.0		090	15.0	15.8
70	18769	18971	18508	-67.6	-53.5	-77.1		088	13.8	14.8
60	19710	19912	19423	-63.8	-50.9	-72.9		087	14.0	14.6
50	20855	21043	20576	-59.8	-46.9	-68.3				
40	22275	22472	21950	-55.9	-40.3	-64.5				
30	24132	24348	23855	-51.8	-40.1	-60.1				
25	25308	25545	25064	-49.7	-35.9	-58.7				
20	26765	27070	26509	-47.1	-31.1	-56.7				
15										
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FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
556	5010	5400	4540				105	16370	-77.7

NORMALS OF RADIOSONDE DATA

MONTH : OCTOBER TIME : 0530 IST STATION : BANGALURU

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	909	911	907	19.9	22.0	14.0	18.6	312	0.2	2.1
1000	88	114	68							
950	534	563	514							
925	767	794	749							
900	1003	1030	983	19.7	23.2	15.0	17.7	006	0.4	4.7
850	1496	1523	1473	18.0	24.0	10.8	13.5	014	1.2	6.4
800	2014	2041	1988	15.5	22.8	8.6	9.9	021	2.1	6.5
750	2558	2587	2528	12.5	20.6	5.0	6.4	022	2.2	6.1
700	3136	3163	3106	9.5	18.0	3.4	2.6	024	1.6	5.8
650	3747	3773	3712	6.4	14.8	0.4	-1.3	047	0.9	5.6
600	4402	4435	4365	3.2	11.0	-3.1	-5.2	085	0.8	5.5
550	5102	5138	5060	-0.5	7.6	-7.1	-8.8	094	1.1	5.3
500	5860	5906	5817	-4.6	2.4	-11.1	-13.0	093	1.5	5.4
450	6682	6733	6632	-9.4	-3.1	-16.9	-18.3	090	1.9	5.4
400	7584	7645	7531	-15.0	-8.3	-23.1	-24.3	090	2.6	5.8
350	8581	8653	8520	-21.7	-11.9	-28.1	-31.0	095	3.3	6.1
300	9700	9790	9635	-29.8	-21.3	-37.1	-38.8	097	4.2	6.6
250	10973	11088	10897	-40.0	-29.5	-48.9	-47.7	103	5.7	8.4
200	12457	12603	12369	-52.3	-38.5	-61.9		105	8.4	11.3
175	13305	13470	13211	-59.2	-45.1	-70.9		103	10.4	13.2
150	14253	14432	14149	-66.5	-51.9	-78.3		103	12.4	15.0
125	15335	15549	15222	-73.3	-59.1	-84.7		103	14.6	16.5
100	16621	16879	16470	-77.2	-66.1	-86.0		097	11.8	13.4
80	17915	18201	17764	-72.9	-62.1	-86.0		092	8.0	9.6
70	18707	19012	18537	-69.4	-59.5	-83.3		090	7.9	9.3
60	19640	19967	19311	-65.5	-55.9	-75.3		084	7.8	9.2
50	20773	21118	20418	-61.1	-49.5	-80.0		086	9.9	10.7
40	22188	22552	21988	-56.7	-45.1	-73.0		089	13.3	13.9
30	24034	24428	23824	-52.4	-35.5	-61.1				
25	25214	25622	24970	-50.6	-38.5	-59.5				
20	26671	27109	26390	-48.6	-38.5	-58.5				
15	28565	28995	28226	-46.3	-34.3	-57.5				
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
557	5000	5410	4680				104	16390	-78.6

NORMALS OF RADIOSONDE DATA

MONTH : NOVEMBER TIME : 0530 IST STATION : BANGALURU

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	910	911	909	18.3	21.8	13.0	16.7	070	2.0	2.5
1000	104	124	90							
950	548	564	532							
925	778	791	767							
900	1015	1032	995	18.1	21.8	13.0	15.8	067	4.4	5.6
850	1504	1524	1481	16.7	22.0	10.2	11.3	065	5.3	7.4
800	2020	2043	1994	14.4	20.2	7.0	7.6	064	4.4	6.8
750	2562	2585	2532	11.9	18.0	5.0	3.9	068	3.4	5.9
700	3139	3168	3108	9.3	15.6	2.8	0.3	073	3.0	5.7
650	3750	3781	3717	6.5	13.8	-2.0	-3.7	079	2.8	5.6
600	4404	4440	4372	3.2	10.2	-4.0	-7.8	078	3.0	6.0
550	5105	5143	5070	-0.4	9.2	-5.5	-12.2	074	3.4	6.4
500	5862	5906	5828	-4.7	3.0	-9.9	-16.7	067	3.7	6.8
450	6683	6731	6643	-9.6	-2.1	-15.9	-21.8	061	3.7	7.0
400	7583	7643	7541	-15.3	-6.5	-20.7	-28.0	060	3.0	7.2
350	8578	8646	8530	-22.1	-12.9	-28.3	-34.6	057	1.5	6.7
300	9696	9783	9640	-30.4	-20.5	-37.5	-41.9	174	0.9	6.6
250	10966	11074	10897	-40.5	-31.1	-49.7	-50.0	177	3.9	8.2
200	12449	12590	12350	-52.5	-42.3	-62.1		169	6.5	10.7
175	13300	13469	13192	-59.2	-48.7	-71.1		168	6.5	11.1
150	14249	14428	14120	-66.4	-54.5	-79.7		176	5.2	10.3
125	15333	15540	15190	-73.2	-62.7	-86.1		164	2.8	8.3
100	16624	16860	16455	-78.2	-65.9	-89.5		104	3.7	7.9
80	17905	18170	17695	-75.4	-58.9	-85.0		094	5.1	7.7
70	18692	18975	18472	-71.5	-51.9	-80.3		089	4.8	7.1
60	19611	19922	19399	-67.1	-53.7	-79.0		090	4.1	7.4
50	20725	21057	20498	-62.3	-47.1	-77.0		089	5.1	8.5
40	22124	22491	21758	-57.6	-39.5	-75.0		087	7.0	10.6
30	23957	24326	23781	-53.1	-38.9	-63.5		091	9.9	13.4
25	25129	25477	24935	-51.3	-36.5	-61.3				
20	26582	26960	26414	-49.0	-33.7	-58.9				
15	28479	29028	28193	-46.5	-30.7	-56.1				
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
557	5000	5420	4690				100	16620	-79.6

NORMALS OF RADIOSONDE DATA

MONTH : DECEMBER TIME : 0530 IST STATION : BANGALURU

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	911	914	909	16.8	21.0	11.0	15.3	079	2.8	3.1
1000	121	151	107							
950	563	591	545							
925	794	819	781							
900	1026	1052	1005	16.6	22.0	12.0	14.1	079	5.9	6.5
850	1513	1539	1490	15.6	22.4	9.0	8.9	083	6.9	7.8
800	2028	2052	2001	14.2	22.2	6.0	3.8	084	5.5	7.1
750	2569	2592	2540	12.4	20.2	4.0	-0.1	086	4.5	6.3
700	3146	3169	3114	9.9	17.6	2.0	-3.7	088	4.1	6.1
650	3758	3782	3721	6.7	13.6	0.6	-6.9	085	3.6	5.9
600	4411	4440	4370	3.1	12.0	-4.1	-10.7	084	3.3	6.1
550	5110	5142	5068	-0.9	9.4	-8.5	-14.5	081	3.3	6.4
500	5865	5903	5819	-5.3	3.0	-11.5	-18.9	075	2.9	6.8
450	6685	6726	6641	-10.3	0.8	-16.1	-23.9	060	2.1	7.1
400	7583	7634	7531	-16.2	-7.9	-22.9	-29.2	002	1.1	7.7
350	8575	8635	8516	-23.1	-14.7	-29.9	-35.0	288	2.2	8.7
300	9687	9768	9623	-31.4	-23.1	-38.5	-43.0	256	4.3	10.0
250	10951	11055	10881	-41.4	-33.9	-49.1		232	6.5	12.2
200	12426	12559	12347	-53.3	-42.1	-61.3		222	8.3	14.1
175	13275	13426	13172	-59.9	-50.1	-68.9		224	8.7	14.4
150	14220	14399	14100	-66.9	-56.9	-79.1		232	8.1	13.5
125	15302	15511	15161	-73.3	-62.1	-83.7		233	4.5	10.6
100	16583	16824	16426	-78.8	-67.1	-90.1		148	0.9	9.1
80	17853	18140	17675	-76.6	-64.1	-89.1		090	4.2	8.2
70	18633	18933	18456	-73.1	-60.3	-85.7		085	3.7	7.2
60	19545	19865	19379	-68.5	-56.3	-81.9		091	3.3	6.8
50	20660	20994	20479	-63.2	-49.9	-75.5		083	3.2	7.5
40	22050	22400	21924	-58.2	-45.5	-71.5		088	3.6	9.5
30	23874	24280	23730	-53.4	-36.9	-66.1		092	5.9	11.5
25	25036	25544	24890	-51.2	-33.9	-64.5		088	6.9	12.5
20	26481	27185	26335	-49.3	-38.1	-62.1				
15	28351	28974	28175	-47.4	-38.7	-59.3				
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
560	4960	5270	4630				099	16660	-80.2

NORMALS OF RADIOSONDE DATA

MONTH : JANUARY TIME : 0530 IST STATION : BHOPAL

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	956	959	954	12.2	18.8	5.2	6.7	073	1.3	2.3
1000	144	166	128							
950	568	589	546	13.0	21.6	7.0	6.4	075	1.8	3.2
925	799	814	790	15.9	25.6	7.0	5.9	082	1.7	5.0
900	1033	1051	1016	15.8	25.8	5.8	3.4	077	0.5	4.9
850	1517	1534	1498	13.5	23.6	2.6	1.0	275	3.2	5.4
800	2025	2049	2005	10.8	21.8	-2.1	-2.1	272	5.6	7.2
750	2561	2591	2542	7.9	18.0	-2.7	-5.2	271	7.8	9.3
700	3125	3163	3103	4.9	17.6	-5.7	-9.3	274	9.8	11.3
650	3724	3762	3695	1.6	12.8	-9.1	-13.7	276	11.9	13.3
600	4366	4422	4331	-1.8	7.8	-11.7	-17.2	277	14.5	15.8
550	5058	5129	5012	-5.8	3.0	-16.5	-21.4	276	17.4	18.7
500	5793	5870	5745	-10.3	-0.5	-18.9	-25.6	275	20.4	21.7
450	6598	6696	6541	-15.4	-6.1	-25.7	-29.7	274	24.1	25.6
400	7477	7584	7413	-21.1	-9.3	-32.5	-34.5	273	27.5	29.3
350	8451	8572	8378	-27.5	-12.7	-41.5	-39.6	271	31.5	33.3
300	9545	9707	9466	-34.6	-21.9	-51.7	-46.3	271	35.8	37.7
250	10799	10992	10696	-42.9	-30.3	-57.3		268	38.0	40.2
200	12268	12504	12115	-53.3	-40.5	-67.1		267	39.2	41.5
175	13122	13379	12933	-58.5	-45.1	-69.5		266	37.5	39.7
150	14080	14363	13906	-63.7	-49.9	-76.1		264	35.7	37.5
125	15176	15479	14998	-69.0	-57.3	-78.3		265	32.4	34.0
100	16492	16896	16336	-73.7	-64.3	-85.7		268	24.2	25.3
80	17796	18115	17597	-73.6	-60.1	-83.1		268	18.0	19.1
70	18583	18925	18356	-71.1	-55.9	-79.9				
60	19497	19927	19330	-66.6	-52.5	-75.1				
50	20608	21109	20434	-61.8	-46.1	-70.7				
40	21999	22392	21794	-57.5	-44.3	-67.1				
30	23806	24273	23624	-54.1	-41.9	-63.3				
25	24939	25420	24779	-53.3	-40.1	-60.7				
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
628	4010	4760	3490				100	16560	-75.4

NORMALS OF RADIOSONDE DATA

MONTH : FEBRUARY TIME : 0530 IST STATION : BHOPAL

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	954	957	953	14.1	21.0	6.0	6.3	056	1.0	2.4
1000	127	150	111							
950	556	573	537	14.7	26.8	7.0	6.2	065	1.5	3.3
925	785	802	775	17.7	31.6	10.0	5.4	050	1.5	5.8
900	1022	1038	1008	17.4	31.0	7.4	2.9	003	1.0	6.0
850	1507	1524	1491	14.6	27.6	6.4	0.0	280	3.3	6.1
800	2017	2036	1995	11.5	22.4	3.2	-2.8	271	5.9	7.7
750	2552	2575	2522	8.2	17.4	-0.3	-5.2	268	7.9	9.7
700	3118	3147	3088	4.9	14.2	-4.1	-8.5	269	10.1	11.9
650	3716	3753	3682	1.4	10.0	-6.7	-11.8	271	12.4	14.1
600	4359	4399	4320	-1.9	7.4	-11.1	-16.7	274	15.0	16.5
550	5051	5090	5008	-6.0	4.0	-16.1	-20.5	275	18.1	19.6
500	5785	5832	5744	-10.5	-1.1	-20.3	-25.7	275	21.3	22.9
450	6590	6636	6552	-15.6	-5.3	-26.5	-30.1	275	24.7	26.5
400	7468	7514	7429	-21.3	-9.9	-32.9	-34.6	275	28.6	30.4
350	8442	8507	8388	-27.6	-15.3	-37.9	-41.3	275	32.1	34.0
300	9533	9624	9463	-34.7	-21.3	-48.7	-48.2	275	35.3	37.4
250	10785	10910	10701	-43.1	-31.5	-54.9		274	38.5	41.1
200	12257	12436	12166	-52.6	-42.3	-65.7		272	37.5	39.9
175	13106	13377	13013	-58.0	-45.7	-67.5		272	37.7	39.6
150	14059	14342	13962	-63.8	-47.7	-74.7		271	34.5	36.3
125	15157	15390	15065	-69.4	-52.7	-80.3		269	27.7	30.9
100	16454	16703	16363	-74.1	-61.7	-84.3		271	22.4	23.9
80	17751	18065	17611	-74.6	-62.3	-85.7		275	15.3	17.0
70	18527	18823	18377	-72.5	-59.1	-85.3		275	13.4	14.8
60	19436	19728	19297	-68.9	-56.3	-79.3		270	9.4	12.0
50	20534	20846	20412	-63.8	-53.5	-71.9		274	5.5	10.5
40	21913	22245	21797	-59.3	-50.3	-67.9				
30	23720	24103	23598	-55.5	-46.3	-62.3				
25	24880	25351	24743	-53.3	-42.9	-61.1				
20	26347	26833	26139	-50.7	-38.7	-60.1				
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
628	3990	4520	3580	221	11710	-55.0	099	16550	-76.2

NORMALS OF RADIOSONDE DATA

MONTH : MARCH TIME : 0530 IST STATION : BHOPAL

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	952	955	950	18.9	28.0	12.0	6.7	019	0.6	2.8
1000	102	124	82							
950	539	565	523	19.1	27.2	12.2	6.8	043	1.0	3.3
925	772	782	754	22.3	30.6	12.6	5.9	009	1.8	6.5
900	1011	1033	993	22.1	31.8	11.2	3.2	342	2.1	6.6
850	1504	1527	1488	19.0	27.6	9.0	1.1	298	4.1	6.5
800	2021	2045	2000	15.3	24.0	6.2	-1.6	280	6.0	7.4
750	2560	2588	2536	11.3	19.6	1.8	-4.0	271	8.2	9.4
700	3134	3160	3104	7.2	18.0	-2.7	-6.7	268	9.7	11.2
650	3736	3771	3704	3.0	14.4	-4.3	-10.2	269	11.3	12.8
600	4382	4409	4345	-1.0	8.8	-13.9	-14.0	272	13.0	14.4
550	5074	5099	5033	-5.2	4.2	-13.1	-18.8	274	15.0	16.3
500	5813	5841	5773	-9.8	-0.3	-19.3	-23.1	275	17.2	18.5
450	6619	6660	6580	-15.1	-3.7	-24.9	-27.9	275	19.6	20.9
400	7498	7541	7459	-21.2	-8.3	-30.7	-32.9	274	22.4	23.9
350	8470	8521	8419	-27.9	-15.5	-38.1	-38.9	274	25.1	27.2
300	9559	9649	9493	-35.4	-23.7	-47.5	-45.8	273	28.4	30.8
250	10805	10927	10715	-43.7	-30.9	-55.9	-53.6	272	31.6	34.6
200	12270	12426	12152	-52.6	-41.7	-66.1		273	34.4	37.2
175	13117	13290	13001	-57.4	-45.5	-73.5		275	33.9	36.3
150	14085	14269	13969	-62.3	-48.5	-80.1		274	33.0	34.7
125	15204	15404	15074	-67.5	-56.1	-76.5		273	28.5	30.2
100	16526	16742	16339	-72.3	-58.1	-84.3		271	24.0	25.5
80	17830	18097	17696	-73.1	-61.9	-82.5		271	18.0	19.3
70	18619	18918	18342	-71.4	-59.7	-81.1		271	11.8	13.0
60	19529	19858	19240	-67.6	-55.1	-77.1				
50	20647	20998	20495	-62.2	-34.5	-74.7				
40	22033	22465	21880	-57.8	-40.1	-69.9				
30	23870	24319	23672	-53.7	-43.1	-64.9				
25	25045	25475	24784	-51.3	-40.7	-62.9				
20	26542	27014	26242	-48.4	-38.5	-57.3				
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
611	4240	4610	3890	211	11900	-57.9	100	16610	-74.4

NORMALS OF RADIOSONDE DATA

MONTH : APRIL TIME : 0530 IST STATION : BHOPAL

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	950	952	948	23.3	30.6	15.0	8.0	305	1.6	3.3
1000	71	96	53							
950	513	534	485	22.5	31.6	15.6	7.8	350	1.1	3.3
925	753	766	739	26.3	36.4	17.8	7.8	316	3.6	7.8
900	993	1014	979	26.0	37.0	14.4	5.3	320	4.9	8.2
850	1493	1506	1479	23.0	34.4	12.4	2.9	313	5.0	7.3
800	2017	2029	2001	19.1	30.0	7.8	0.4	294	5.1	6.8
750	2562	2576	2530	14.5	25.0	4.4	-1.9	274	5.8	7.3
700	3143	3168	3117	9.7	19.8	-1.3	-4.2	261	7.3	8.7
650	3747	3765	3721	4.7	14.4	-5.3	-7.7	258	8.7	10.1
600	4399	4432	4364	0.1	8.6	-9.1	-11.5	263	9.9	11.4
550	5092	5123	5034	-4.2	5.6	-12.5	-16.9	271	11.1	12.6
500	5835	5878	5783	-8.9	1.6	-19.1	-22.2	276	12.7	14.3
450	6642	6689	6577	-14.1	-2.5	-25.3	-26.7	278	14.8	16.5
400	7527	7584	7444	-20.2	-8.9	-34.9	-31.4	277	16.9	18.8
350	8503	8562	8403	-26.9	-16.3	-44.5	-36.8	276	19.5	21.8
300	9599	9679	9484	-34.0	-23.5	-55.5	-44.1	273	22.6	25.3
250	10857	10954	10718	-42.0	-32.7	-57.1	-53.6	269	26.1	29.4
200	12334	12455	12177	-51.3	-40.7	-64.1		265	28.3	31.2
175	13190	13332	13024	-56.1	-45.9	-67.5		265	27.0	29.3
150	14159	14327	13988	-61.3	-50.9	-74.1		262	24.3	26.2
125	15269	15466	15056	-67.2	-55.7	-79.7		261	21.7	23.7
100	16591	16812	16397	-72.3	-60.3	-86.1		262	13.7	15.7
80	17900	18156	17765	-73.0	-56.1	-82.7		264	7.9	11.0
70	18694	18972	18530	-71.0	-54.1	-82.7		286	2.4	6.9
60	19603	19879	19467	-66.8	-51.7	-78.3		061	2.1	6.4
50	20710	21032	20501	-61.4	-48.3	-70.1		048	3.5	5.7
40	22113	22524	21949	-56.6	-42.3	-67.7		061	3.4	6.0
30	23954	24430	23738	-51.7	-36.1	-71.5				
25	25138	25475	24876	-49.5	-35.3	-73.9				
20	26588	26987	26429	-46.8	-37.1	-57.3				
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
597	4430	4950	3770				097	16830	-74.2

NORMALS OF RADIOSONDE DATA

MONTH : MAY TIME : 0530 IST STATION : BHOPAL

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	947	950	945	27.1	32.2	20.0	13.2	283	3.1	4.1
1000	38	66	22							
950	484	505	456	26.3	30.4	22.2	10.5	285	3.5	6.1
925	727	739	714	28.1	41.6	21.2	13.4	290	6.8	9.1
900	971	993	956	27.7	39.4	20.4	10.9	301	7.8	9.9
850	1475	1496	1460	25.3	36.0	17.2	7.2	311	7.0	8.7
800	2003	2023	1988	21.6	31.0	14.2	3.9	311	5.4	7.1
750	2555	2574	2540	17.2	26.6	10.2	1.3	302	4.1	6.1
700	3141	3158	3127	12.1	21.8	5.2	-1.1	290	3.6	6.2
650	3749	3777	3725	7.0	16.8	-0.1	-4.3	284	3.7	6.8
600	4408	4431	4385	2.1	11.0	-5.7	-8.4	283	4.5	7.4
550	5108	5132	5073	-2.1	9.0	-10.5	-14.0	292	5.9	8.7
500	5856	5882	5816	-6.4	5.2	-14.1	-18.4	294	7.4	9.8
450	6675	6722	6622	-11.1	1.6	-21.7	-23.4	294	9.0	11.3
400	7567	7616	7504	-16.7	-4.7	-28.5	-28.3	288	10.4	12.7
350	8556	8617	8480	-23.1	-12.3	-36.1	-33.9	280	12.2	14.5
300	9670	9757	9572	-30.3	-20.1	-44.1	-41.2	274	13.9	16.4
250	10943	11054	10815	-39.2	-29.5	-54.3		266	15.0	17.6
200	12440	12593	12257	-49.4	-40.1	-64.7		257	15.9	18.4
175	13300	13475	13092	-55.4	-45.7	-69.9		254	15.7	17.9
150	14270	14475	14048	-61.7	-51.9	-73.9		253	13.8	16.6
125	15377	15581	15133	-68.4	-57.3	-83.1		247	9.8	13.7
100	16689	16935	16430	-73.9	-63.3	-82.7		240	5.0	11.0
80	17976	18269	17705	-74.4	-53.9	-85.3		163	1.3	8.7
70	18764	19112	18450	-71.3	-49.5	-82.3		090	2.3	8.3
60	19672	20076	19364	-66.3	-52.1	-81.1		072	3.7	8.3
50	20792	21213	20473	-60.7	-46.7	-71.9		069	4.9	8.4
40	22194	22613	21841	-55.5	-44.7	-67.7		072	5.3	8.8
30	24053	24537	23731	-50.5	-40.1	-62.3		079	6.6	10.0
25	25238	25760	24914	-48.1	-36.5	-58.9		076	5.4	10.6
20	26720	27319	26375	-45.5	-29.5	-54.7		077	6.5	12.5
15	28604	29151	28293	-43.8	-31.9	-51.7				
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
574	4760	5210	4290				096	16950	-76.2

NORMALS OF RADIOSONDE DATA

MONTH : JUNE TIME : 0530 IST STATION : BHOPAL

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	944	946	942	26.5	32.8	20.0	19.8	267	3.5	4.6
1000	11	32	0							
950	456	481	425							
925	696	715	679	26.2	34.6	21.2	18.5	271	7.6	9.1
900	940	957	921	25.2	37.6	18.0	17.2	280	8.5	10.4
850	1440	1453	1425	23.0	34.8	15.0	14.4	295	7.5	9.4
800	1967	1983	1955	20.1	32.4	12.6	11.0	307	5.3	7.5
750	2520	2537	2514	16.5	25.0	9.2	7.5	327	2.8	5.7
700	3103	3125	3093	12.4	21.0	4.6	3.7	351	2.3	5.8
650	3718	3742	3708	8.1	18.4	0.2	-0.2	002	2.2	6.2
600	4377	4407	4359	3.9	12.4	-3.5	-4.1	355	1.9	6.2
550	5087	5138	5062	0.1	8.0	-8.7	-7.9	341	1.7	6.1
500	5838	5880	5814	-3.6	5.6	-15.5	-11.6	332	1.7	6.4
450	6669	6727	6633	-7.5	0.8	-16.5	-15.5	321	1.8	6.7
400	7574	7629	7535	-12.4	-3.7	-22.9	-21.3	312	1.7	7.0
350	8580	8645	8534	-18.5	-7.9	-29.9	-27.4	306	1.2	7.2
300	9714	9811	9639	-26.0	-13.5	-40.1	-34.0	265	1.0	7.4
250	11008	11129	10908	-35.5	-22.9	-46.7	-43.7	191	1.2	8.0
200	12525	12674	12412	-47.2	-33.9	-58.7	-55.5	147	2.2	9.1
175	13392	13561	13263	-54.3	-40.9	-65.7		131	3.3	10.0
150	14359	14548	14224	-61.7	-49.1	-74.3		113	4.9	10.9
125	15462	15659	15307	-69.5	-58.1	-80.1		100	7.8	12.4
100	16764	16990	16591	-75.4	-64.3	-85.9		094	10.5	13.1
80	18046	18352	17825	-75.2	-58.5	-87.7		087	12.2	13.9
70	18832	19178	18584	-71.4	-52.7	-81.3		084	13.7	14.5
60	19737	20086	19445	-66.6	-49.1	-78.1		086	13.6	14.3
50	20852	21222	20558	-60.8	-40.7	-74.1		088	13.8	14.3
40	22249	22651	21929	-55.5	-41.7	-66.9		083	14.8	15.5
30	24078	24493	23759	-51.1	-38.7	-59.3		088	17.2	17.8
25	25281	25750	24914	-49.0	-36.1	-60.1		088	17.7	19.2
20	26793	27391	26423	-45.8	-34.3	-55.7				
15	28684	29383	28381	-44.2	-32.9	-52.7				
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
548	5130	5790	4720				095	17060	-77.5

NORMALS OF RADIOSONDE DATA

MONTH : JULY TIME : 0530 IST STATION : BHOPAL

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	943	946	941	24.4	28.4	21.2	21.8	259	4.1	4.8
1000	11	34	0							
950	451	462	440							
925	689	695	680	23.6	28.2	19.8	21.2	262	7.6	8.6
900	934	955	916	22.4	28.4	16.0	19.9	271	9.1	10.5
850	1431	1446	1414	20.2	27.0	14.2	17.4	280	8.3	9.9
800	1953	1969	1939	17.6	25.4	11.6	14.4	284	5.6	7.7
750	2504	2530	2492	14.8	21.4	8.0	11.1	287	3.2	6.3
700	3084	3102	3074	11.9	17.6	5.4	7.4	300	1.8	5.7
650	3702	3724	3688	8.7	15.0	2.0	3.1	336	1.3	5.4
600	4362	4385	4348	5.2	12.4	-1.3	-1.0	005	1.2	5.5
550	5077	5121	5054	1.4	7.6	-5.5	-4.9	035	1.1	5.3
500	5830	5862	5804	-2.4	4.0	-8.9	-8.7	068	1.3	5.5
450	6668	6710	6638	-6.5	0.4	-14.7	-13.8	084	1.8	5.5
400	7574	7624	7535	-11.5	-4.1	-19.5	-19.6	088	3.0	5.8
350	8586	8649	8542	-17.7	-9.5	-25.7	-25.6	089	4.8	6.6
300	9724	9802	9670	-25.3	-15.5	-35.5	-33.2	087	6.8	7.9
250	11023	11119	10947	-34.9	-23.3	-49.7	-42.7	090	9.7	10.5
200	12541	12652	12433	-47.1	-38.5	-69.9	-54.8	089	13.1	14.0
175	13407	13543	13285	-54.6	-45.3	-78.7	-61.7	086	15.0	16.0
150	14376	14529	14229	-62.4	-50.5	-75.9		084	17.6	18.6
125	15477	15681	15313	-69.9	-59.3	-80.1		084	20.5	21.6
100	16792	17029	16634	-75.1	-63.5	-84.3		083	21.9	23.2
80	18093	18375	17924	-73.2	-59.1	-83.5		083	21.9	22.8
70	18898	19198	18704	-69.6	-55.7	-81.1		083	21.9	22.4
60	19821	20114	19622	-65.1	-51.5	-78.3		087	20.1	20.5
50	20946	21281	20718	-59.9	-46.5	-74.3		085	18.0	18.5
40	22377	22731	22054	-55.5	-43.1	-69.1		084	19.8	20.1
30	24243	24670	23853	-51.0	-34.3	-61.7				
25	25420	25950	25015	-49.2	-33.9	-60.5				
20	26879	27255	26204	-47.2	-37.7	-55.1				
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
531	5350	5820	4930				100	16810	-76.9

NORMALS OF RADIOSONDE DATA

MONTH : AUGUST TIME : 0530 IST STATION : BHOPAL

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	945	946	944	23.6	26.4	20.4	22.0	271	3.7	4.5
1000	24	40	12							
950	461	481	433							
925	706	714	699	22.8	27.2	18.6	20.8	271	7.5	8.8
900	945	956	936	21.7	27.8	16.8	19.5	280	8.1	9.6
850	1440	1450	1431	19.4	25.2	13.0	17.0	291	6.9	9.1
800	1961	1974	1951	16.9	22.4	9.0	14.1	298	4.8	7.6
750	2511	2525	2496	14.2	20.4	6.4	10.6	310	2.8	6.2
700	3090	3108	3078	11.4	17.6	1.8	6.6	337	1.9	5.7
650	3707	3727	3697	8.4	18.2	-3.5	2.5	004	1.8	5.6
600	4364	4387	4347	5.1	11.0	-8.9	-1.9	020	1.6	5.5
550	5080	5107	5059	1.5	8.0	-13.5	-5.8	042	1.8	5.8
500	5834	5864	5816	-2.3	4.2	-19.3	-9.7	066	2.4	5.9
450	6669	6704	6644	-6.7	1.0	-26.5	-14.3	078	3.1	6.1
400	7577	7618	7550	-11.8	-4.3	-35.5	-20.3	084	4.0	6.4
350	8587	8643	8551	-17.9	-9.9	-46.1	-26.4	088	5.6	7.2
300	9725	9790	9676	-25.6	-17.7	-56.1	-33.7	089	7.0	8.3
250	11022	11098	10956	-35.2	-25.7	-63.9	-43.3	090	9.0	9.9
200	12533	12646	12446	-47.7	-38.3	-74.3	-55.8	089	12.5	13.4
175	13399	13522	13300	-55.1	-45.5	-67.3	-61.6	086	14.2	15.3
150	14364	14503	14250	-62.8	-51.9	-74.9		085	16.3	17.2
125	15461	15626	15284	-70.8	-59.7	-80.1		083	19.2	20.1
100	16759	16970	16611	-75.4	-59.1	-83.7		085	21.5	21.9
80	18051	18315	17889	-71.9	-54.9	-82.9		081	20.6	21.1
70	18845	19170	18678	-68.8	-51.5	-80.1		082	19.5	19.9
60	19771	20113	19588	-64.8	-46.5	-79.5		082	18.3	18.5
50	20893	21280	20693	-60.6	-40.5	-79.5		088	19.5	19.7
40	22251	22711	22078	-57.5	-44.1	-70.5		087	20.8	21.0
30	24051	24721	23873	-54.5	-40.1	-66.5		088	22.7	23.0
25	25239	25959	24990	-52.1	-37.7	-64.1		089	26.1	26.5
20	26716	27490	26533	-49.6	-36.9	-61.1				
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
530	5370	5780	5050				105	16490	-76.5

NORMALS OF RADIOSONDE DATA

MONTH : SEPTEMBER TIME : 0530 IST STATION : BHOPAL

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	948	950	946	22.8	28.2	17.8	20.6	281	2.6	3.5
1000	56	75	33							
950	493	519	452	22.1	25.0	17.8	19.1	284	1.3	2.6
925	734	753	726	23.0	28.6	18.0	19.2	294	4.9	7.0
900	975	992	958	22.6	32.0	17.4	17.5	301	5.5	7.8
850	1472	1488	1457	19.9	29.4	14.0	14.3	316	4.3	7.0
800	1992	2008	1981	16.9	25.8	10.8	10.9	333	3.1	6.2
750	2538	2557	2524	13.6	24.2	7.2	6.7	351	2.8	5.9
700	3117	3141	3104	10.2	18.0	4.0	2.4	002	2.7	5.7
650	3729	3756	3716	6.9	16.0	-0.1	-1.5	001	1.9	5.3
600	4384	4416	4366	3.8	14.4	-4.3	-4.9	346	0.9	4.9
550	5095	5149	5065	0.7	10.6	-7.7	-8.0	309	0.5	5.0
500	5847	5894	5821	-3.2	5.4	-11.7	-11.7	299	0.3	5.2
450	6679	6741	6643	-7.6	1.8	-15.1	-17.3	288	0.1	5.2
400	7582	7657	7543	-12.9	-3.3	-20.5	-22.7	052	0.3	5.4
350	8587	8678	8540	-19.3	-8.1	-28.5	-28.5	124	0.8	5.9
300	9715	9831	9658	-27.2	-18.5	-38.3	-35.8	128	1.1	6.3
250	11003	11148	10931	-37.0	-27.9	-50.5	-45.4	138	2.1	7.3
200	12506	12684	12398	-49.3	-40.9	-63.7	-56.8	132	3.4	8.7
175	13370	13570	13229	-56.4	-48.1	-70.7		118	4.4	9.3
150	14327	14547	14170	-64.0	-53.9	-77.3		112	5.0	9.4
125	15419	15683	15218	-71.1	-60.1	-81.3		105	6.0	9.7
100	16706	17034	16521	-75.7	-63.3	-86.7		092	8.4	10.3
80	18000	18382	17819	-72.2	-54.1	-82.7		081	9.5	10.1
70	18799	19238	18611	-68.0	-50.1	-78.3		075	8.7	9.1
60	19723	20183	19540	-63.5	-46.1	-73.1		081	9.5	9.8
50	20844	21347	20676	-59.1	-45.3	-67.7		085	10.2	10.6
40	22258	22833	22101	-55.8	-36.9	-64.1		082	12.0	12.3
30	24067	24873	23913	-52.6	-37.5	-63.5				
25	25199	25702	25078	-51.3	-41.3	-62.9				
20	26671	27185	26530	-48.8	-39.1	-55.9				
15										
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FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
546	5160	6040	4480				104	16470	-76.9

NORMALS OF RADIOSONDE DATA

MONTH : OCTOBER TIME : 0530 IST STATION : BHOPAL

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	953	955	951	19.9	31.6	14.6	14.6	029	0.3	1.6
1000	99	128	80							
950	536	570	504	20.2	28.8	14.8	14.1	073	0.5	2.1
925	775	801	761	23.4	36.2	16.0	13.4	085	1.5	4.9
900	1012	1038	993	22.8	35.0	14.2	9.4	040	1.5	5.1
850	1507	1531	1489	19.5	30.0	11.4	6.0	017	2.3	5.2
800	2025	2047	2007	15.5	26.0	6.6	3.1	003	2.8	5.3
750	2566	2587	2542	11.4	22.0	2.0	-0.2	356	2.9	5.7
700	3140	3157	3117	7.9	17.8	-0.9	-4.0	344	2.6	5.8
650	3747	3770	3714	4.9	16.0	-4.7	-7.3	328	2.3	5.8
600	4397	4421	4367	2.0	14.6	-6.3	-11.2	308	2.6	6.1
550	5100	5148	5077	-1.4	11.0	-11.9	-13.9	293	3.7	6.8
500	5847	5884	5816	-5.5	5.0	-14.1	-17.6	285	5.0	7.8
450	6667	6718	6638	-10.5	-0.3	-18.9	-20.4	279	6.6	9.4
400	7562	7622	7518	-16.1	-6.3	-24.9	-26.2	273	8.5	10.9
350	8551	8627	8491	-22.6	-12.5	-31.3	-32.8	267	10.5	12.6
300	9668	9756	9580	-30.4	-18.9	-39.5	-40.7	261	12.5	14.3
250	10938	11040	10824	-40.0	-28.3	-49.1		258	13.9	15.6
200	12422	12542	12282	-51.4	-39.3	-61.1		253	15.1	16.8
175	13270	13398	13124	-58.0	-47.7	-68.3		253	14.6	16.5
150	14222	14389	14073	-65.1	-54.1	-74.1		252	13.6	15.6
125	15307	15595	15116	-71.6	-60.9	-79.1		254	10.1	12.4
100	16603	16819	16363	-75.1	-62.3	-83.3		255	5.2	8.4
80	17906	18182	17657	-71.8	-52.1	-82.7		275	1.6	6.5
70	18706	19038	18454	-68.0	-48.7	-80.5		026	0.8	6.1
60	19630	20003	19452	-64.2	-45.7	-79.7		080	2.9	5.5
50	20755	21203	20567	-59.8	-41.1	-73.5		080	4.2	6.6
40	22139	22628	21960	-56.6	-40.5	-72.3		082	5.5	7.2
30	23934	24468	23750	-53.4	-42.1	-70.5		078	6.1	8.3
25	25080	25720	24673	-51.7	-43.3	-69.5		082	7.2	8.9
20	26559	27188	26062	-49.5	-42.9	-59.7				
15										
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7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
574	4770	5360	4090				107	16260	-76.0

NORMALS OF RADIOSONDE DATA

MONTH : NOVEMBER TIME : 0530 IST STATION : BHOPAL

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	956	959	954	15.9	22.8	9.2	9.1	077	1.0	1.6
1000	136	169	120							
950	565	601	545	16.6	22.8	9.8	8.5	080	1.6	2.5
925	796	813	785	19.9	28.2	11.4	7.1	090	3.0	4.9
900	1036	1060	1020	19.2	30.0	10.0	3.8	074	2.7	4.8
850	1524	1543	1505	15.9	25.6	7.0	0.9	026	1.4	4.3
800	2036	2051	2014	12.6	20.0	5.4	-1.5	329	2.0	4.7
750	2574	2592	2549	9.6	18.0	1.6	-4.8	316	2.9	5.5
700	3143	3166	3116	6.8	17.4	-2.1	-7.6	307	3.8	6.2
650	3748	3778	3719	4.0	13.8	-6.1	-10.9	299	4.8	7.2
600	4395	4432	4362	0.7	12.2	-8.7	-13.6	290	6.2	8.5
550	5094	5136	5053	-3.2	7.2	-11.7	-17.5	285	8.1	10.2
500	5836	5890	5796	-7.8	4.4	-17.5	-22.1	280	10.4	12.4
450	6649	6714	6601	-13.1	1.6	-23.1	-26.6	277	13.0	14.9
400	7535	7609	7482	-18.9	-1.9	-30.7	-32.6	274	16.3	18.1
350	8516	8614	8459	-25.7	-13.3	-35.1		271	19.7	21.6
300	9618	9736	9554	-33.2	-20.9	-41.5		266	22.9	24.8
250	10873	10983	10793	-42.1	-30.9	-52.1		262	25.8	27.7
200	12345	12467	12264	-52.5	-41.5	-63.7		258	28.1	29.8
175	13198	13337	13090	-58.1	-48.1	-68.9		258	27.3	28.6
150	14159	14306	14062	-64.1	-50.9	-76.3		256	23.8	25.3
125	15251	15442	15150	-70.0	-55.1	-79.7		259	20.6	21.4
100	16561	16804	16450	-73.9	-60.9	-82.5		265	14.8	16.3
80	17856	18155	17725	-73.8	-58.3	-82.5		269	9.5	10.9
70	18651	18978	18519	-71.3	-53.1	-83.1		270	5.7	8.4
60	19575	19916	19431	-66.6	-46.1	-78.9		286	3.3	6.8
50	20677	21068	20524	-61.7	-47.5	-74.7				
40	22081	22507	21885	-56.6	-41.3	-67.7				
30	23868	24318	23690	-53.1	-39.9	-65.7				
25	25032	25453	24806	-51.2	-37.1	-63.5				
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
595	4480	5180	4000				102	16460	-75.7

NORMALS OF RADIOSONDE DATA

MONTH : DECEMBER TIME : 0530 IST STATION : BHOPAL

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	957	959	956	12.5	20.6	6.8	6.7	077	1.0	1.7
1000	153	170	142							
950	576	600	544	13.7	20.6	8.2	6.2	082	1.8	2.7
925	810	822	802	17.0	24.0	8.2	4.4	082	2.4	4.2
900	1043	1057	1033	16.5	27.4	7.6	2.5	078	1.5	4.2
850	1528	1542	1514	14.1	23.2	5.2	-0.7	309	1.2	4.5
800	2037	2051	2020	11.6	20.8	2.0	-3.3	293	2.7	5.4
750	2573	2588	2553	9.2	20.0	0.0	-6.7	290	4.1	6.6
700	3142	3156	3118	6.6	15.4	-2.3	-10.6	286	5.8	7.9
650	3743	3762	3719	3.5	14.0	-4.1	-13.4	282	7.7	9.5
600	4391	4420	4360	-0.2	9.6	-8.1	-16.6	280	9.9	11.5
550	5084	5134	5047	-4.6	4.0	-14.1	-20.6	278	12.5	14.0
500	5824	5872	5788	-9.4	0.0	-17.1	-24.2	275	15.0	16.4
450	6628	6684	6590	-14.9	-4.7	-23.9	-28.3	272	17.8	19.2
400	7510	7585	7469	-21.0	-10.3	-31.3	-33.8	271	20.7	22.2
350	8481	8569	8425	-27.9	-15.5	-41.5	-39.4	268	24.3	26.0
300	9574	9683	9501	-35.6	-19.5	-46.9	-45.8	266	27.1	29.0
250	10817	10943	10721	-44.6	-27.3	-55.1		262	30.1	32.4
200	12282	12435	12145	-54.9	-37.5	-64.9		256	33.2	35.2
175	13126	13288	12963	-59.9	-41.9	-70.7		253	31.8	33.4
150	14074	14265	13885	-65.3	-54.3	-73.1		253	33.0	34.3
125	15161	15401	14975	-70.2	-59.7	-78.3		255	25.9	26.8
100	16477	16783	16302	-73.9	-61.1	-80.7		261	18.6	20.4
80	17761	18147	17592	-74.3	-58.3	-82.3		263	13.1	16.2
70	18538	18963	18373	-71.8	-53.9	-81.1		265	8.6	11.5
60	19455	19919	19297	-68.1	-54.7	-76.3				
50	20566	21065	20326	-63.0	-52.3	-71.7				
40	21947	22502	21679	-59.0	-48.9	-68.5				
30	23718	24395	23472	-55.5	-45.1	-61.3				
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
605	4320	4950	3900				106	16200	-75.0

NORMALS OF RADIOSONDE DATA

MONTH : JANUARY TIME : 0530 IST STATION : BHUBANESWAR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1009	1012	1008	16.9	27.0	10.6	14.7	031	0.5	1.6
1000	126	144	111	17.6	24.0	10.8	14.3	032	0.5	2.4
950	555	591	508	18.4	29.8	8.0	10.5	016	0.4	4.2
925	794	813	777	17.2	22.8	7.8	8.2	353	1.0	3.9
900	1028	1044	1004	16.1	24.2	6.2	6.1	338	1.6	4.6
850	1511	1530	1484	13.5	22.4	6.0	1.7	325	3.2	5.4
800	2020	2046	1992	11.2	21.6	2.6	-1.6	317	4.6	6.4
750	2552	2580	2525	9.0	19.0	0.0	-4.8	309	6.0	7.7
700	3125	3161	3095	6.5	16.2	-3.0	-8.1	297	7.5	9.1
650	3728	3762	3697	3.7	16.0	-6.0	-11.3	288	9.3	10.8
600	4375	4420	4347	0.4	10.4	-12.0	-14.7	281	11.2	12.6
550	5075	5127	5029	-3.5	7.8	-11.7	-18.6	278	13.5	14.9
500	5815	5869	5772	-8.0	4.0	-17.0	-21.4	276	15.8	17.2
450	6625	6702	6575	-13.0	-2.1	-27.0		273	18.5	20.0
400	7516	7586	7456	-18.9	-7.3	-30.0		272	21.3	23.0
350	8499	8565	8428	-25.6	-13.1	-39.3		271	24.2	26.0
300	9599	9701	9520	-33.4	-21.5	-48.0		269	27.4	29.2
250	10856	10978	10750	-42.7	-33.1	-54.3		264	29.6	31.4
200	12328	12474	12194	-53.5	-44.5	-68.7		260	29.4	31.3
175	13175	13331	13030	-59.6	-50.3	-74.3		259	28.7	30.4
150	14125	14297	13973	-65.7	-55.5	-79.3		258	26.2	28.0
125	15213	15390	15037	-71.7	-60.9	-84.5		259	22.9	24.6
100	16514	16732	16340	-76.6	-62.3	-88.7		261	18.0	19.7
80	17803	18014	17633	-75.7	-59.3	-90.1		265	12.7	14.9
70	18586	18797	18405	-72.8	-58.1	-85.7		269	10.1	12.8
60	19494	19697	19261	-68.6	-50.9	-82.9		270	7.5	10.5
50	20596	20822	20341	-63.6	-48.1	-77.3		285	5.3	9.3
40	21977	22253	21750	-58.9	-43.3	-72.1		298	3.9	8.6
30	23786	24078	23547	-55.1	-41.5	-68.5				
25	24942	25251	24694	-52.8	-36.3	-64.9				
20	26378	26701	26096	-51.0	-37.5	-63.9				
15	28261	28663	27981	-48.5	-38.7	-59.1				
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
597	4410	5040	3840				097	16700	-78.6

NORMALS OF RADIOSONDE DATA

MONTH : FEBRUARY TIME : 0530 IST STATION : BHUBANESWAR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1007	1010	1004	20.1	29.0	11.6	18.0	220	0.4	2.0
1000	109	132	76	20.4	28.0	13.6	17.6	215	0.7	2.6
950	541	580	498	20.8	31.0	12.2	13.1	235	2.3	5.1
925	782	798	770	19.7	27.6	11.6	12.1	248	2.3	5.2
900	1019	1039	987	18.6	29.8	10.0	8.1	267	2.1	5.1
850	1506	1525	1474	15.6	27.2	7.0	4.0	293	3.1	5.7
800	2018	2038	1985	12.4	23.8	4.8	0.4	300	4.7	6.8
750	2547	2580	2510	9.1	19.0	2.0	-2.8	296	6.3	8.2
700	3124	3148	3093	6.2	16.8	-4.0	-6.9	292	7.8	9.5
650	3725	3759	3692	3.2	11.4	-5.7	-10.2	287	9.5	11.0
600	4372	4401	4349	0.0	8.2	-9.9	-14.1	283	11.5	12.9
550	5070	5128	5028	-3.9	5.8	-13.0	-18.1	279	13.8	15.2
500	5811	5847	5777	-8.2	2.6	-18.0	-21.5	276	16.3	17.9
450	6621	6681	6577	-13.2	-3.7	-25.1		274	18.8	20.5
400	7509	7559	7453	-19.1	-9.9	-34.5		272	21.7	23.6
350	8494	8545	8418	-25.8	-16.1	-37.9		271	24.9	27.0
300	9592	9661	9503	-33.4	-23.1	-47.3		268	27.9	30.5
250	10849	10942	10747	-42.5	-31.5	-55.1		264	30.1	32.6
200	12322	12447	12207	-53.2	-41.5	-67.1		261	30.2	32.8
175	13174	13308	13047	-59.1	-47.9	-71.3		259	29.1	31.7
150	14125	14325	13989	-65.2	-53.1	-75.7		260	27.8	30.1
125	15215	15530	15065	-71.5	-61.0	-83.0		261	24.4	26.5
100	16509	16850	16350	-76.6	-66.0	-86.0		264	19.1	21.2
80	17793	18023	17630	-76.1	-59.5	-86.3		267	14.2	16.2
70	18572	18863	18405	-73.5	-53.9	-84.5		271	11.3	13.7
60	19473	19763	19290	-69.3	-50.1	-89.1		272	8.3	10.9
50	20576	20907	20314	-63.9	-46.1	-80.3		276	6.6	9.6
40	21948	22527	21739	-59.2	-40.7	-76.1		289	3.6	8.6
30	23756	24430	23540	-55.0	-39.9	-72.1		315	2.9	7.8
25	24913	25660	24668	-52.8	-35.1	-69.5				
20	26353	26598	26084	-51.0	-28.9	-67.7				
15	28252	28796	27936	-48.5	-34.1	-65.3				
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
602	4350	4710	3930				096	16780	-78.7

NORMALS OF RADIOSONDE DATA

MONTH : MARCH TIME : 0530 IST STATION : BHUBANESWAR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1005	1006	1001	23.6	33.2	17.6	21.5	211	2.0	2.9
1000	86	99	56	23.8	29.4	17.8	21.0	214	2.3	3.2
950	522	550	487	24.5	34.0	15.4	14.9	234	4.4	6.1
925	768	786	744	24.0	32.2	13.0	12.3	245	3.6	5.6
900	1007	1026	985	22.8	31.6	11.8	8.4	252	3.9	6.1
850	1502	1520	1484	19.7	28.2	8.6	4.5	277	3.8	5.8
800	2021	2040	2006	15.9	24.0	5.8	1.4	296	4.5	6.2
750	2549	2578	2518	11.8	20.0	2.8	-1.3	301	5.9	7.4
700	3136	3157	3117	7.5	18.6	-3.0	-4.3	302	7.3	8.8
650	3735	3772	3699	3.7	13.0	-5.0	-8.5	301	8.3	9.8
600	4388	4413	4360	0.3	8.2	-9.7	-12.7	296	9.2	10.7
550	5083	5117	5041	-3.5	5.6	-12.1	-16.9	289	10.6	12.0
500	5829	5862	5794	-8.0	1.8	-18.0	-20.9	282	12.4	14.0
450	6637	6682	6591	-13.2	-2.1	-24.0	-25.9	279	14.7	16.3
400	7528	7568	7485	-19.2	-7.1	-29.9	-31.3	275	16.8	18.6
350	8512	8566	8456	-26.0	-14.5	-37.1		273	19.8	21.6
300	9609	9670	9538	-33.6	-21.9	-44.5		270	23.4	25.5
250	10865	10949	10772	-42.5	-32.0	-55.5		265	26.3	28.5
200	12336	12449	12224	-52.9	-41.5	-65.3		261	27.5	29.7
175	13188	13310	13060	-58.7	-46.9	-69.5		261	27.0	28.8
150	14141	14285	14001	-64.7	-51.9	-77.5		261	24.9	26.6
125	15235	15392	15097	-70.9	-56.5	-86.0		263	21.7	23.2
100	16534	16700	16391	-76.1	-62.1	-88.1		264	16.8	18.2
80	17825	18011	17674	-75.8	-60.9	-89.3		267	11.8	13.8
70	18612	18818	18451	-73.2	-55.3	-88.1		270	9.7	12.1
60	19515	19719	19342	-68.9	-48.7	-83.3		273	6.9	10.0
50	20624	20838	20428	-63.2	-48.5	-80.1		284	5.1	8.8
40	22014	22234	21801	-57.7	-39.1	-75.7		288	3.6	7.0
30	23849	24188	23602	-52.8	-39.9	-69.7		328	2.0	7.5
25	25016	25394	24768	-50.4	-37.1	-60.5		005	1.1	7.0
20	26468	26989	26195	-48.0	-33.9	-58.7		071	1.8	6.6
15	28382	28944	28013	-45.4	-30.9	-57.1				
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
595	4460	4840	3950				095	16830	-78.2

NORMALS OF RADIOSONDE DATA

MONTH : APRIL TIME : 0530 IST STATION : BHUBANESWAR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1002	1004	999	26.1	32.0	19.6	23.6	205	3.9	4.5
1000	59	80	41	25.9	30.0	20.0	23.4	207	3.6	4.3
950	500	532	458	26.4	36.0	17.8	18.6	226	6.4	7.7
925	752	766	726	26.0	33.8	18.2	14.7	232	5.5	6.8
900	988	1006	972	25.7	34.0	16.6	11.7	245	5.8	7.5
850	1488	1506	1472	23.1	31.0	13.8	7.1	263	4.9	6.5
800	2012	2032	1995	19.3	28.4	8.0	3.8	283	4.6	6.1
750	2544	2584	2518	14.9	24.0	5.6	0.7	299	4.9	6.4
700	3141	3164	3120	10.2	18.6	1.4	-2.1	306	5.6	7.1
650	3741	3776	3709	5.3	17.4	-3.9	-5.3	308	6.5	8.1
600	4399	4426	4372	1.0	10.8	-8.1	-9.7	306	7.2	9.0
550	5096	5138	5064	-2.9	8.0	-12.3	-14.6	299	7.7	9.6
500	5844	5876	5804	-7.1	4.0	-15.5	-19.1	290	8.9	10.6
450	6658	6700	6609	-11.9	-1.9	-20.3	-23.5	283	10.3	12.2
400	7551	7598	7480	-17.8	-7.9	-27.5	-28.6	276	12.8	14.6
350	8538	8597	8450	-24.6	-13.5	-35.7	-34.3	272	15.1	17.2
300	9643	9714	9533	-32.3	-21.3	-44.7	-41.7	269	18.3	20.4
250	10906	10991	10785	-41.3	-31.1	-55.1		264	21.1	23.4
200	12388	12504	12253	-51.9	-40.3	-67.0		260	22.2	24.4
175	13242	13369	13102	-57.9	-44.1	-74.7		259	22.1	24.1
150	14198	14325	14057	-64.1	-49.5	-85.9		259	20.5	22.4
125	15297	15440	15160	-70.6	-55.9	-88.9		258	16.5	18.4
100	16598	16749	16408	-76.4	-60.9	-87.0		261	11.1	13.7
80	17883	18013	17664	-75.9	-63.5	-92.3		271	5.8	9.8
70	18668	18832	18515	-72.6	-54.9	-83.5		277	3.4	7.7
60	19575	19800	19427	-67.7	-48.1	-83.0		306	2.0	6.8
50	20690	21016	20551	-61.4	-46.1	-76.9		338	1.3	6.4
40	22092	22426	21943	-55.6	-38.5	-67.5		042	1.9	5.9
30	23945	24321	23783	-50.7	-37.3	-62.3		077	3.0	6.4
25	25118	25480	24919	-48.6	-35.3	-60.5		079	3.5	6.7
20	26595	26966	26362	-46.1	-31.5	-59.3				
15	28529	28870	28258	-43.3	-28.3	-57.9				
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
583	4620	5540	3880				094	16980	-78.3

NORMALS OF RADIOSONDE DATA

MONTH : MAY TIME : 0530 IST STATION : BHUBANESWAR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	998	1002	996	27.5	33.0	19.0	25.0	199	4.0	4.7
1000	31	61	11	26.9	30.4	22.0	24.4	202	3.5	4.2
950	472	523	423	27.0	40.0	19.0	21.5	218	6.7	8.1
925	720	732	707	26.9	34.2	18.4	18.5	229	6.0	7.6
900	962	988	943	26.4	37.0	15.2	15.6	234	5.8	7.8
850	1464	1487	1441	24.2	33.2	12.2	10.5	256	4.4	6.8
800	1991	2011	1967	20.8	29.0	9.8	6.7	288	3.9	6.3
750	2529	2562	2496	16.6	26.0	7.0	3.6	312	4.5	6.7
700	3126	3150	3099	12.1	20.6	4.0	0.4	323	5.5	7.4
650	3731	3763	3691	7.2	15.8	0.2	-2.9	328	6.2	8.0
600	4393	4427	4371	2.5	12.0	-6.0	-6.5	327	6.5	8.4
550	5098	5150	5062	-1.6	8.0	-9.7	-11.1	324	6.3	8.1
500	5845	5886	5814	-5.4	4.0	-13.3	-16.1	314	5.6	7.9
450	6669	6718	6627	-9.7	0.0	-18.5	-20.0	299	5.2	8.2
400	7569	7612	7523	-14.9	-3.5	-24.3	-24.8	284	6.0	9.2
350	8569	8611	8509	-21.3	-10.5	-31.3	-30.8	272	6.8	10.0
300	9689	9737	9624	-29.2	-18.5	-41.1	-37.7	263	8.1	11.3
250	10967	11027	10880	-38.7	-27.9	-49.5		254	9.2	12.3
200	12462	12545	12346	-50.2	-38.5	-60.0		243	9.4	13.0
175	13323	13415	13191	-56.7	-44.5	-69.5		235	8.6	12.6
150	14284	14397	14139	-63.8	-48.9	-78.0		229	7.0	11.8
125	15383	15505	15223	-71.0	-54.3	-83.0		210	4.9	10.6
100	16682	16821	16474	-77.0	-63.3	-87.1		150	3.0	9.2
80	17965	18164	17747	-76.0	-59.9	-87.9		100	5.4	8.8
70	18755	18958	18568	-72.2	-54.1	-87.1		091	6.6	8.6
60	19668	19890	19440	-66.7	-47.9	-81.1		086	7.3	8.5
50	20790	21055	20545	-60.6	-40.1	-76.0		083	7.9	9.2
40	22198	22495	21898	-55.6	-42.5	-66.3		088	9.0	10.1
30	24059	24350	23858	-50.6	-36.9	-63.1		085	10.7	11.9
25	25238	25558	25052	-48.3	-36.9	-62.5		091	11.1	12.1
20	26727	27150	26485	-45.7	-29.9	-61.1		092	12.0	13.1
15	28620	28970	28420	-43.2	-30.3	-58.7				
10	31365	31820	30660	-39.8	-25.1	-57.1				
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
568	4840	5200	4440				095	17010	-79.0

NORMALS OF RADIOSONDE DATA

MONTH : JUNE TIME : 0530 IST STATION : BHUBANESWAR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	995	997	992	27.4	33.0	23.0	25.1	216	2.7	3.8
1000	8	23	1							
950	442	492	393	26.7	34.0	18.6	22.6	236	5.6	7.8
925	693	713	670	25.9	34.8	19.8	20.9	241	6.2	8.5
900	929	954	907	25.0	35.0	17.2	18.8	257	5.9	8.7
850	1429	1454	1403	22.4	31.0	13.2	15.4	272	5.9	8.9
800	1954	1978	1928	19.4	27.0	12.4	12.4	285	5.1	8.0
750	2499	2526	2464	15.9	24.6	9.4	9.2	294	4.4	7.6
700	3087	3118	3058	12.2	20.8	3.8	5.8	304	4.1	7.6
650	3698	3736	3657	8.4	16.0	-1.3	2.1	313	3.7	7.7
600	4360	4401	4331	4.6	12.6	-6.1	-1.5	320	3.2	7.6
550	5075	5130	5025	0.7	8.6	-9.7	-5.6	321	2.5	7.3
500	5826	5871	5797	-3.1	4.4	-12.0	-9.8	320	1.5	6.7
450	6657	6709	6623	-7.3	0.0	-19.7	-14.8	354	0.5	6.5
400	7564	7617	7522	-12.3	-4.5	-27.5	-20.4	093	1.0	6.4
350	8575	8620	8520	-18.6	-9.5	-36.3	-27.0	105	2.6	6.8
300	9710	9761	9648	-26.5	-16.1	-41.7	-34.7	105	4.3	7.6
250	11003	11054	10923	-36.5	-27.1	-48.0	-43.7	102	6.6	9.1
200	12511	12567	12416	-48.7	-39.1	-58.3		095	9.7	11.7
175	13377	13440	13275	-55.8	-47.1	-66.0		092	11.6	13.5
150	14342	14419	14223	-63.6	-53.9	-74.1		090	13.8	15.6
125	15440	15534	15305	-71.6	-61.1	-85.5		087	16.1	17.6
100	16733	16845	16569	-77.7	-66.3	-86.9		088	18.4	19.4
80	18018	18135	17837	-75.6	-59.9	-88.1		088	18.1	19.0
70	18813	18937	18605	-71.6	-53.7	-90.7		086	17.3	17.9
60	19727	19847	19535	-66.4	-49.5	-82.5		084	16.8	17.4
50	20846	20971	20611	-60.9	-45.9	-80.5		085	16.0	16.6
40	22253	22374	21964	-55.9	-39.9	-73.9		088	17.0	17.6
30	24100	24236	23816	-51.2	-37.5	-65.1		089	17.9	18.3
25	25274	25426	25031	-49.0	-34.3	-58.9		090	19.5	19.8
20	26753	26975	26506	-47.2	-34.9	-57.1		091	18.9	19.3
15	28651	28924	28294	-44.8	-33.7	-55.1				
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
540	5220	5560	4710				097	16940	-79.6

NORMALS OF RADIOSONDE DATA

MONTH : JULY TIME : 0530 IST STATION : BHUBANESWAR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	995	998	993	26.4	32.0	2.8	25.1	228	2.4	3.3
1000	9	37	0							
950	446	500	404	25.3	32.0	19.0	22.5	248	5.6	7.5
925	684	696	667	24.5	30.4	20.6	20.8	258	6.4	8.0
900	928	960	909	23.1	32.2	17.0	19.6	267	6.4	8.8
850	1425	1454	1403	20.3	28.4	14.0	16.8	277	6.4	8.8
800	1947	1975	1924	17.5	26.0	11.0	14.1	278	5.6	8.2
750	2495	2522	2467	14.4	21.8	6.2	11.0	276	5.0	7.6
700	3076	3097	3048	11.4	18.8	3.6	7.4	273	4.6	7.4
650	3691	3727	3661	8.2	15.8	0.6	3.7	271	3.9	7.1
600	4349	4375	4315	4.8	12.2	-4.0	-0.1	269	2.6	6.6
550	5066	5102	5018	1.2	9.0	-5.9	-4.0	259	1.3	6.1
500	5817	5845	5779	-2.8	5.4	-9.7	-8.6	182	0.4	6.0
450	6650	6687	6604	-7.2	1.6	-14.7	-13.9	114	1.7	6.2
400	7557	7597	7521	-12.4	-2.7	-20.7	-20.1	107	3.4	6.7
350	8567	8618	8507	-18.8	-6.1	-28.9	-27.0	099	5.9	8.0
300	9698	9769	9651	-26.9	-16.5	-38.5	-35.1	096	8.6	10.0
250	10989	11073	10930	-36.8	-25.7	-48.9	-44.2	092	12.7	13.7
200	12495	12595	12413	-49.1	-37.5	-63.5		086	17.4	18.3
175	13359	13465	13261	-56.3	-41.9	-72.1		082	20.1	21.0
150	14320	14441	14205	-64.2	-48.1	-79.5		081	22.5	23.6
125	15414	15551	15272	-72.3	-60.1	-86.5		081	25.5	26.5
100	16707	16868	16552	-77.6	-58.5	-91.1		084	27.4	28.1
80	17997	18171	17830	-73.6	-54.1	-90.0		086	25.6	26.1
70	18797	18995	18599	-69.5	-50.9	-85.0		085	23.0	23.5
60	19716	20003	19461	-65.1	-46.1	-83.0		085	22.2	22.5
50	20834	21069	20540	-60.5	-46.1	-74.0		085	20.7	21.3
40	22238	22495	21673	-56.3	-42.1	-73.0		087	21.6	22.0
30	24079	24331	23820	-52.3	-33.5	-68.0		089	22.1	22.4
25	25250	25508	24900	-50.0	-36.1	-66.0		090	22.5	22.8
20	26724	26974	26498	-47.8	-34.7	-59.5		092	23.8	24.1
15	28626	28975	28352	-45.7	-30.9	-56.5				
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
534	5300	5800	4890				101	16680	-79.3

NORMALS OF RADIOSONDE DATA

MONTH : AUGUST TIME : 0530 IST STATION : BHUBANESWAR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	996	998	993	26.3	34.0	23.6	25.2	235	1.8	3.0
1000	10	30	0							
950	447	480	396	24.9	33.0	17.2	22.2	255	4.3	7.2
925	699	713	686	24.2	28.6	19.6	20.3	264	4.5	7.4
900	932	958	910	22.6	30.8	15.4	19.3	273	5.2	8.5
850	1428	1456	1403	19.9	29.6	12.0	16.6	282	5.1	8.5
800	1949	1979	1920	17.2	25.4	10.0	13.7	281	4.4	7.9
750	2495	2536	2460	14.3	23.8	6.6	10.7	275	3.8	7.5
700	3078	3112	3042	11.3	20.0	4.0	7.2	271	3.4	7.3
650	3693	3729	3650	8.2	16.2	1.8	3.3	264	2.7	7.1
600	4352	4386	4308	4.9	14.0	-2.0	-0.5	254	1.8	6.7
550	5068	5118	5024	1.3	10.0	-5.9	-4.6	210	0.7	6.5
500	5820	5858	5769	-2.8	5.6	-9.5	-9.1	136	1.1	6.4
450	6652	6703	6600	-7.2	1.2	-13.7	-14.5	116	2.5	6.7
400	7560	7623	7503	-12.5	-4.5	-20.0	-20.7	108	4.1	7.3
350	8569	8653	8514	-18.9	-9.9	-27.7	-27.7	103	6.1	8.4
300	9702	9796	9634	-26.9	-16.9	-35.1	-35.3	099	8.6	10.0
250	10992	11108	10918	-36.9	-23.9	-46.3	-44.7	094	12.1	13.0
200	12497	12635	12411	-49.3	-39.7	-61.1		086	16.2	16.9
175	13362	13508	13260	-56.5	-46.3	-70.7		082	18.3	19.3
150	14324	14485	14210	-64.2	-53.9	-79.1		080	21.0	21.9
125	15420	15596	15281	-72.1	-60.1	-84.1		080	22.8	23.6
100	16714	16898	16551	-77.4	-57.9	-90.7		083	24.7	25.4
80	18011	18222	17832	-72.7	-55.5	-85.5		085	23.4	23.8
70	18812	19031	18622	-68.3	-51.7	-82.0		087	22.2	22.6
60	19737	19918	19482	-64.1	-49.9	-78.0		087	20.5	20.8
50	20868	21044	20583	-60.2	-42.9	-72.1		086	19.6	20.0
40	22271	22470	21956	-56.4	-42.9	-69.9		087	20.7	21.1
30	24118	24330	23770	-52.5	-34.9	-64.5		089	21.6	22.2
25	25285	25516	24999	-50.7	-37.7	-61.9				
20	26746	27044	26372	-48.7	-36.1	-60.1				
15	28630	28984	28330	-46.6	-33.9	-58.5				
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
534	5300	5920	4870				102	16600	-78.9

NORMALS OF RADIOSONDE DATA

MONTH : SEPTEMBER TIME : 0530 IST STATION : BHUBANESWAR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1000	1001	998	26.0	30.0	23.0	24.9	232	1.1	2.4
1000	41	59	30	25.9	29.8	22.0	24.4	222	1.3	2.2
950	478	508	440	25.0	31.0	20.2	21.7	251	2.8	6.0
925	727	747	713	24.0	27.6	18.6	19.1	251	2.9	5.8
900	966	987	954	22.7	31.0	17.0	18.6	266	2.6	6.6
850	1462	1485	1447	20.0	28.4	14.0	15.4	281	1.9	6.3
800	1983	2007	1963	17.1	26.0	10.6	12.1	289	1.5	6.0
750	2521	2549	2500	14.1	23.2	8.0	8.5	282	1.2	5.8
700	3110	3135	3087	11.0	21.0	5.0	4.8	266	1.1	5.7
650	3720	3752	3701	7.7	16.4	-5.0	1.1	246	1.0	5.7
600	4380	4410	4355	4.3	13.2	-4.0	-2.9	213	0.8	5.6
550	5091	5128	5056	0.5	10.0	-6.0	-7.2	172	1.0	5.7
500	5845	5881	5810	-3.5	5.8	-11.0	-11.5	148	1.5	5.7
450	6672	6701	6630	-8.1	2.0	-15.0	-16.7	126	2.2	5.9
400	7578	7611	7532	-13.4	-4.1	-21.3	-22.6	117	3.1	6.1
350	8581	8620	8532	-20.0	-10.9	-29.3	-29.1	107	4.1	6.5
300	9710	9757	9650	-28.1	-18.9	-35.9	-36.3	105	5.6	7.4
250	10993	11050	10926	-38.1	-28.5	-46.7	-45.3	099	7.3	8.8
200	12492	12562	12418	-50.3	-40.1	-60.1		093	10.1	11.7
175	13348	13429	13264	-57.5	-46.1	-68.3		091	11.4	13.1
150	14304	14397	14192	-65.2	-55.3	-75.0		089	13.4	14.7
125	15395	15504	15237	-72.8	-53.0	-84.1		088	15.1	16.3
100	16684	16865	16500	-77.6	-66.3	-89.5		091	15.8	16.6
80	17979	18101	17792	-72.5	-59.5	-84.9		089	14.5	15.1
70	18782	18907	18589	-68.4	-53.5	-82.5		087	13.9	14.3
60	19705	19829	19497	-64.3	-49.5	-76.1		084	14.0	14.4
50	20833	20994	20631	-60.3	-49.5	-74.1		086	14.9	15.2
40	22243	22454	21924	-56.1	-43.5	-69.0		088	15.7	15.9
30	24082	24331	23667	-52.1	-35.1	-62.5		090	17.5	17.7
25	25246	25470	24800	-50.4	-35.5	-60.9		091	19.0	19.3
20	26714	26910	26497	-48.6	-33.3	-58.5		092	19.6	20.0
15	28599	28871	28361	-46.5	-28.5	-58.3				
10	31277	31588	30965	-44.1	-30.7	-55.3				
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
542	5200	5610	4830				103	16530	-79.2

NORMALS OF RADIOSONDE DATA

MONTH : OCTOBER TIME : 0530 IST STATION : BHUBANESWAR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1004	1008	1001	24.2	28.0	18.0	22.8	350	0.6	1.9
1000	82	116	57	24.1	30.6	18.0	22.3	354	0.6	1.9
950	516	560	465	24.0	30.8	17.6	18.3	017	1.0	4.9
925	765	798	749	22.9	29.2	16.2	16.0	056	1.6	5.0
900	1002	1035	977	21.4	29.2	14.6	14.3	048	1.7	5.3
850	1495	1526	1469	18.4	25.2	11.0	10.6	052	2.1	5.7
800	2013	2040	1986	15.4	23.4	8.0	7.1	056	2.1	5.5
750	2548	2579	2519	12.4	22.4	3.4	3.6	061	1.5	5.6
700	3133	3157	3102	9.5	19.0	2.0	0.3	058	0.7	5.3
650	3741	3772	3713	6.5	16.0	-2.3	-3.2	299	0.1	5.4
600	4396	4427	4365	3.2	13.0	-4.5	-6.5	233	0.8	5.4
550	5105	5134	5058	-0.4	8.6	-8.5	-10.1	231	1.3	5.6
500	5854	5887	5816	-4.7	4.2	-12.1	-14.4	235	1.6	5.9
450	6678	6722	6641	-9.4	-0.7	-17.5	-19.3	235	2.0	6.4
400	7579	7612	7535	-14.9	-6.1	-24.1	-24.4	232	2.6	6.9
350	8576	8617	8512	-21.7	-12.3	-31.5	-30.8	235	3.3	7.6
300	9697	9745	9614	-29.8	-19.5	-40.1	-38.4	234	4.1	8.5
250	10971	11042	10867	-39.7	-29.1	-51.1		233	4.8	9.5
200	12461	12542	12336	-51.5	-40.5	-66.7		222	5.1	10.7
175	13315	13407	13181	-58.4	-47.3	-71.9		214	4.9	11.2
150	14269	14374	14129	-65.6	-55.1	-78.7		202	4.5	11.3
125	15357	15486	15209	-72.8	-52.7	-84.5		176	3.8	10.5
100	16647	16800	16468	-77.8	-60.3	-88.1		131	3.8	8.9
80	17937	18109	17732	-73.5	-54.7	-85.1		102	5.0	8.0
70	18738	18922	18540	-69.0	-53.3	-84.9		091	5.4	7.7
60	19660	19856	19493	-64.4	-47.7	-81.1		084	6.5	8.1
50	20788	20989	20559	-60.1	-43.1	-78.0		084	8.3	9.5
40	22195	22402	21950	-56.2	-38.1	-68.7		086	9.6	10.3
30	24037	24335	23770	-52.2	-37.7	-66.3		088	11.7	12.5
25	25194	25450	24900	-50.5	-35.1	-62.3		090	12.6	13.1
20	26661	26955	26407	-48.7	-36.5	-59.9		093	12.9	13.6
15	28563	28850	28326	-46.3	-31.5	-58.7				
10	31254	31665	30914	-43.4	-26.9	-57.9				
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
556	5020	5360	4270				102	16570	-79.2

NORMALS OF RADIOSONDE DATA

MONTH : NOVEMBER TIME : 0530 IST STATION : BHUBANESWAR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1008	1010	1005	20.4	26.8	12.8	18.0	014	1.3	2.0
1000	111	129	93	20.8	26.6	14.8	17.5	018	1.8	2.6
950	543	572	492	21.3	28.8	14.0	12.6	040	3.5	5.3
925	788	804	767	20.1	28.8	12.4	10.5	045	3.5	5.0
900	1022	1039	1006	18.6	27.0	12.0	8.7	045	4.1	5.7
850	1510	1531	1492	15.6	23.8	7.0	5.2	042	3.7	5.5
800	2023	2048	2002	13.2	21.6	4.2	1.9	033	2.5	5.2
750	2557	2587	2535	11.1	19.2	3.0	-0.8	357	1.5	5.2
700	3136	3164	3112	8.6	16.8	-0.1	-3.6	311	1.9	5.5
650	3746	3780	3715	5.7	14.2	-4.0	-6.2	291	2.8	6.0
600	4397	4421	4371	2.4	9.8	-5.9	-9.8	282	3.8	6.6
550	5102	5156	5068	-1.4	5.2	-9.7	-13.0	280	4.9	7.7
500	5848	5880	5819	-5.9	2.4	-17.3	-16.6	277	6.2	8.6
450	6665	6732	6633	-10.9	-3.1	-23.5	-21.5	275	8.0	10.3
400	7562	7612	7523	-16.7	-7.9	-29.3	-26.3	272	10.1	12.2
350	8553	8617	8508	-23.5	-11.1	-36.7	-32.6	267	12.3	14.4
300	9664	9744	9606	-31.5	-22.3	-45.1		262	15.0	16.9
250	10930	11029	10853	-41.2	-31.1	-57.3		257	16.7	19.0
200	12408	12530	12299	-52.7	-40.9	-64.1		249	17.9	20.4
175	13258	13401	13141	-59.3	-46.5	-72.3		248	18.0	20.6
150	14208	14350	14081	-66.1	-54.5	-79.5		249	16.6	18.9
125	15296	15459	15158	-72.6	-51.1	-89.3		253	13.5	15.7
100	16588	16784	16436	-77.2	-62.1	-87.7		255	8.0	11.0
80	17875	18091	17716	-75.1	-56.1	-88.5		279	2.7	7.8
70	18661	18906	18490	-71.5	-50.7	-87.3		294	1.7	6.6
60	19578	19823	19414	-66.9	-46.5	-82.5		336	1.2	6.5
50	20688	20970	20522	-62.0	-42.1	-79.1		072	0.6	6.3
40	22086	22372	21748	-57.3	-41.7	-75.5		076	2.2	6.7
30	23913	24212	23660	-53.6	-36.1	-68.9		090	4.2	7.8
25	25072	25395	24845	-51.8	-38.1	-66.7		096	5.5	9.0
20	26533	26886	26277	-49.7	-35.7	-63.7		095	6.3	9.6
15	28426	28789	28084	-47.5	-34.9	-59.9				
10	31131	31462	30391	-44.2	-30.5	-55.9				
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
568	4830	5230	4300				101	16580	-78.7

NORMALS OF RADIOSONDE DATA

MONTH : DECEMBER TIME : 0530 IST STATION : BHUBANESWAR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1010	1011	1008	16.5	23.2	10.8	13.8	021	1.0	1.6
1000	131	142	113	17.3	23.8	11.8	13.0	030	1.6	2.4
950	560	594	519	18.6	27.8	10.4	8.7	040	2.6	4.4
925	800	810	789	17.1	23.0	9.0	7.1	030	2.8	4.1
900	1033	1044	1020	16.0	26.0	7.2	5.1	027	2.9	4.7
850	1517	1534	1502	13.7	22.6	6.0	0.8	003	3.0	4.9
800	2026	2048	2012	12.2	20.6	3.0	-2.6	335	3.2	5.4
750	2561	2582	2540	10.3	18.8	0.8	-5.5	314	3.9	6.0
700	3136	3162	3115	7.8	19.0	-2.5	-7.5	302	4.8	6.7
650	3743	3767	3714	4.9	12.4	-6.1	-10.0	290	6.1	7.8
600	4392	4419	4361	1.5	9.6	-9.9	-12.9	283	7.8	9.4
550	5093	5130	5051	-2.6	5.0	-14.5	-16.3	281	9.5	11.0
500	5837	5868	5792	-7.1	0.8	-17.3	-19.7	277	11.3	12.9
450	6649	6683	6595	-12.4	-1.1	-23.9		275	13.5	15.2
400	7541	7582	7474	-18.5	-9.1	-29.7		272	16.1	17.7
350	8525	8578	8441	-25.5	-14.7	-37.7		270	18.9	20.5
300	9626	9688	9522	-33.4	-21.5	-49.7		267	22.0	23.6
250	10882	10956	10754	-42.8	-31.1	-56.9		262	24.7	26.7
200	12354	12452	12196	-53.7	-41.3	-69.7		256	26.3	28.3
175	13202	13306	13028	-59.7	-47.7	-77.1		254	26.2	28.1
150	14151	14258	13963	-65.9	-53.5	-78.7		252	24.0	25.7
125	15240	15380	15037	-71.6	-57.0	-82.7		253	20.3	21.9
100	16540	16711	16319	-76.1	-62.7	-89.9		261	14.3	16.3
80	17826	18034	17605	-75.3	-57.0	-90.5		265	8.3	11.6
70	18609	18818	18379	-72.6	-55.3	-88.1		271	5.3	9.5
60	19523	19760	19297	-68.4	-48.1	-85.5		284	2.6	7.4
50	20630	20888	20414	-63.3	-43.5	-78.1		309	1.4	7.0
40	22017	22294	21776	-58.8	-43.1	-72.7		007	0.9	6.7
30	23843	24138	23599	-54.4	-38.1	-67.5		076	2.1	7.6
25	24994	25464	24660	-52.3	-37.7	-65.7		080	3.1	7.5
20	26446	26910	26141	-50.3	-36.9	-64.5		082	2.5	7.9
15	28327	28835	28060	-47.6	-30.3	-63.1				
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
581	4650	5060	4100				097	16750	-78.2

NORMALS OF RADIOSONDE DATA

MONTH : JANUARY TIME : 0530 IST STATION : CHENNAI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1011	1013	1009	21.1	25.2	17.0	19.5	026	2.5	3.1
1000	114	129	98	21.4	26.0	17.8	19.3	029	3.5	4.2
950	556	575	538	20.5	29.6	14.0	16.7	057	4.6	5.5
925	789	807	776	19.2	26.0	14.2	15.1	060	5.0	5.7
900	1024	1040	1009	17.8	27.4	10.6	11.8	066	5.3	6.1
850	1512	1526	1495	15.6	24.4	8.0	5.7	063	5.5	6.6
800	2025	2039	2005	13.8	23.8	4.0	0.0	063	5.0	6.6
750	2564	2583	2540	11.8	22.2	2.0	-4.0	064	3.9	5.9
700	3140	3160	3117	9.4	17.2	2.0	-7.5	065	2.7	5.3
650	3751	3774	3728	6.5	13.0	0.0	-10.9	059	1.8	5.3
600	4403	4430	4379	3.0	10.0	-4.0	-14.1	047	1.3	5.5
550	5101	5136	5068	-1.1	6.0	-8.1	-18.1	022	1.0	6.0
500	5856	5901	5826	-5.6	1.2	-12.7	-22.3	337	1.0	6.6
450	6672	6726	6637	-10.7	-2.0	-18.7	-27.1	300	1.6	7.6
400	7570	7641	7528	-16.5	-7.7	-25.0	-33.2	285	3.1	8.6
350	8560	8646	8509	-23.4	-14.9	-32.9	-39.0	271	5.0	9.9
300	9674	9785	9611	-31.7	-22.3	-40.7	-46.1	257	6.8	11.0
250	10937	11074	10861	-41.8	-32.1	-50.3	-53.1	243	8.5	12.5
200	12411	12587	12319	-53.6	-38.3	-63.0		235	9.6	14.2
175	13254	13461	13154	-60.4	-51.7	-72.0		233	9.3	14.4
150	14199	14429	14086	-67.4	-58.5	-78.0		234	8.1	13.4
125	15280	15539	15151	-74.1	-62.1	-88.0		238	5.5	11.9
100	16562	16849	16405	-79.6	-70.3	-89.1		229	2.3	9.4
80	17831	18176	17675	-77.3	-64.7	-90.0		242	0.4	7.1
70	18620	18976	18455	-73.7	-60.7	-86.1		295	0.6	6.5
60	19518	19872	19338	-69.0	-54.9	-82.0		287	0.6	6.2
50	20621	20996	20400	-63.5	-50.7	-79.1		193	0.2	6.7
40	22018	22516	21738	-58.2	-43.5	-73.0		094	1.4	9.3
30	23857	24366	23483	-53.4	-39.1	-66.9		092	4.1	10.6
25	25047	25630	24618	-51.1	-37.5	-63.3				
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
563	4910	5430	4610				100	16600	-81.1

NORMALS OF RADIOSONDE DATA

MONTH : FEBRUARY TIME : 0530 IST STATION : CHENNAI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1010	1012	1007	22.3	27.0	16.8	20.6	063	0.8	2.3
1000	102	124	74	22.5	26.8	17.6	20.4	066	1.1	3.0
950	547	566	515	21.5	28.0	15.0	16.8	114	2.7	4.8
925	779	792	765	20.4	28.2	14.4	14.7	103	3.0	4.9
900	1016	1038	984	19.6	27.8	11.0	9.9	101	3.6	5.5
850	1506	1527	1480	17.4	25.2	7.0	4.3	077	4.0	6.0
800	2021	2040	1996	14.5	22.6	7.0	0.5	059	4.1	6.3
750	2562	2580	2533	11.6	19.6	4.2	-3.7	045	3.5	6.0
700	3137	3157	3111	8.9	17.2	2.0	-8.2	037	2.6	5.6
650	3746	3770	3717	5.9	14.0	-2.1	-12.5	026	1.5	5.4
600	4397	4427	4369	2.6	14.0	-3.7	-16.0	005	1.0	5.9
550	5095	5129	5064	-1.3	7.6	-8.0	-19.5	323	1.2	6.6
500	5849	5890	5820	-5.9	5.0	-12.1	-23.7	301	1.9	7.2
450	6664	6717	6628	-10.9	-1.0	-19.5	-28.6	287	2.8	8.1
400	7562	7622	7517	-16.6	-7.1	-26.9	-33.9	283	4.2	9.4
350	8550	8631	8497	-23.6	-14.3	-33.7	-39.8	275	6.1	10.7
300	9662	9763	9594	-31.8	-20.9	-43.1	-46.4	263	7.4	11.6
250	10925	11055	10841	-41.9	-31.7	-52.3		251	8.5	12.5
200	12398	12567	12291	-53.9	-43.3	-65.9		242	8.6	13.0
175	13242	13437	13126	-60.7	-50.1	-71.9		241	7.8	13.2
150	14185	14407	14064	-67.8	-58.1	-78.9		239	7.0	13.0
125	15262	15517	15126	-74.5	-63.3	-86.1		248	4.6	11.3
100	16544	16846	16387	-79.8	-66.5	-90.0		273	2.4	8.9
80	17809	18149	17655	-77.9	-56.7	-89.0		289	1.3	7.3
70	18590	18968	18414	-74.6	-56.5	-86.3		281	2.0	6.6
60	19489	19861	19295	-70.3	-54.5	-82.0		266	2.4	6.3
50	20588	20988	20389	-64.9	-49.5	-77.0		271	2.1	6.9
40	21988	22403	21582	-59.8	-47.9	-71.7		250	0.6	8.3
30	23824	24278	23361	-54.2	-44.1	-64.1		087	3.4	10.8
25	25014	25580	24509	-51.3	-39.1	-62.1		087	5.2	12.4
20										
15										
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7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
567	4840	5300	4380				098	16650	-81.4

NORMALS OF RADIOSONDE DATA

MONTH : MARCH TIME : 0530 IST STATION : CHENNAI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1009	1011	1006	24.1	29.0	19.6	22.4	178	1.2	2.2
1000	90	108	64	24.2	29.2	20.0	22.1	179	1.5	2.8
950	537	552	515	23.4	31.0	17.2	17.2	171	3.8	5.0
925	770	781	748	22.9	33.6	16.6	12.5	154	3.8	5.3
900	1010	1027	987	22.3	32.2	14.0	8.6	148	4.0	5.5
850	1504	1517	1483	20.0	27.8	9.0	2.6	107	4.1	5.8
800	2024	2040	2003	16.8	24.8	6.0	-0.7	076	5.2	6.7
750	2568	2588	2549	13.1	21.2	1.0	-3.2	058	5.8	7.3
700	3145	3170	3124	9.3	19.0	-3.0	-6.8	049	5.3	7.1
650	3754	3784	3735	5.8	18.0	-7.0	-11.3	043	4.4	6.6
600	4405	4436	4386	2.4	13.0	-5.3	-15.9	047	3.2	5.9
550	5102	5140	5080	-1.4	6.4	-10.0	-20.3	050	2.4	6.0
500	5856	5902	5829	-5.8	2.0	-15.0	-24.6	031	1.4	6.6
450	6673	6731	6638	-10.8	-1.3	-20.0	-29.4	325	1.3	7.3
400	7571	7641	7529	-16.6	-6.3	-25.0	-34.2	282	3.1	8.6
350	8560	8645	8512	-23.4	-12.3	-31.1	-39.9	267	5.5	10.1
300	9674	9780	9612	-31.5	-20.5	-40.9	-46.3	258	8.1	11.8
250	10939	11072	10864	-41.3	-30.3	-50.5		250	9.7	13.3
200	12416	12586	12322	-53.0	-41.9	-62.0		245	10.5	14.5
175	13263	13451	13158	-59.5	-46.5	-68.9		246	10.0	14.5
150	14212	14427	14099	-66.5	-53.5	-75.9		248	8.8	13.9
125	15293	15517	15175	-73.3	-60.1	-84.0		253	5.9	11.8
100	16578	16897	16446	-79.3	-65.1	-92.0		253	2.3	8.7
80	17844	18124	17687	-77.1	-64.1	-88.7		050	0.2	6.8
70	18627	18893	18459	-73.6	-57.7	-84.1		279	0.7	6.5
60	19535	19809	19350	-68.9	-53.1	-82.0		277	1.6	6.5
50	20641	20935	20417	-63.5	-45.7	-74.9		259	1.4	7.5
40	22051	22334	21819	-58.0	-40.5	-72.5		099	0.6	9.1
30	23912	24265	23550	-52.0	-36.1	-67.3		075	2.8	10.5
25	25119	25344	24755	-49.0	-37.7	-59.9		084	6.1	11.9
20	26603	26844	26166	-46.1	-31.1	-57.1				
15										
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FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
567	4860	5410	4470				098	16700	-81.0

NORMALS OF RADIOSONDE DATA

MONTH : APRIL TIME : 0530 IST STATION : CHENNAI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1006	1008	1004	26.8	30.2	22.0	24.6	190	2.5	3.1
1000	70	86	49	26.7	34.0	23.0	24.4	191	2.9	3.6
950	520	540	504	25.1	31.6	17.2	20.9	193	6.0	6.8
925	760	774	740	24.0	30.6	19.0	19.0	186	5.0	6.2
900	995	1014	981	23.6	31.0	15.8	13.9	187	5.3	6.4
850	1493	1511	1480	21.6	30.0	13.8	6.9	150	2.9	4.7
800	2015	2033	2002	18.7	27.8	11.4	1.9	085	3.6	5.2
750	2563	2584	2546	14.9	24.0	7.0	-1.3	061	5.4	6.6
700	3143	3164	3129	10.7	18.8	4.0	-4.3	051	6.3	7.5
650	3756	3777	3734	6.5	19.0	0.0	-7.6	044	6.2	7.6
600	4407	4432	4385	2.6	12.2	-4.0	-12.6	042	5.3	6.9
550	5104	5135	5070	-1.2	8.0	-13.0	-17.6	049	3.8	6.2
500	5860	5904	5826	-5.3	2.0	-12.3	-21.7	063	2.3	6.1
450	6677	6735	6636	-10.2	-2.1	-22.0	-25.9	061	0.5	6.8
400	7578	7651	7532	-15.8	-7.3	-23.0	-31.0	277	1.4	7.8
350	8571	8662	8516	-22.7	-12.3	-33.0	-36.8	265	3.5	8.7
300	9687	9804	9618	-30.7	-19.1	-39.5	-44.0	254	5.4	9.9
250	10957	11102	10876	-40.6	-29.1	-50.1	-51.9	243	7.3	11.1
200	12440	12618	12329	-52.3	-39.5	-63.3		234	8.4	12.2
175	13290	13489	13160	-59.1	-45.3	-69.7		233	8.1	12.3
150	14239	14457	14089	-66.4	-51.1	-77.5		234	6.7	11.3
125	15321	15711	15154	-73.3	-57.1	-83.1		236	3.5	9.0
100	16602	17142	16415	-79.3	-61.5	-90.0		119	1.3	7.6
80	17880	18527	17653	-76.7	-60.5	-90.0		091	3.1	6.9
70	18670	19390	18424	-72.9	-57.1	-85.0		100	1.9	6.4
60	19574	20348	19325	-67.8	-53.1	-81.9		147	0.6	6.6
50	20692	21532	20427	-61.7	-46.5	-79.1		094	0.9	7.6
40	22110	23004	21814	-56.5	-39.7	-70.9		083	3.6	9.2
30	23959	24362	23636	-51.0	-36.7	-67.1		084	7.7	11.8
25	25158	25587	24731	-48.2	-35.9	-64.5		088	9.7	13.6
20	26682	27102	26246	-45.4	-36.1	-57.9				
15										
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FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
564	4900	5600	4440				098	16740	-80.7

NORMALS OF RADIOSONDE DATA

MONTH : MAY TIME : 0530 IST STATION : CHENNAI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1003	1006	1001	28.4	34.0	22.0	24.1	222	3.1	4.3
1000	44	70	27	28.2	33.4	22.0	24.0	217	3.2	4.4
950	497	521	479	27.0	34.2	18.0	20.9	234	6.7	9.0
925	737	745	729	26.0	33.2	18.6	19.1	241	6.5	8.8
900	975	999	962	25.2	33.2	15.0	16.6	245	5.6	8.4
850	1475	1498	1463	22.8	30.8	13.0	12.1	266	2.5	5.8
800	2000	2022	1986	19.6	28.4	8.8	7.9	356	2.0	5.2
750	2549	2572	2526	15.8	24.0	5.0	3.8	029	3.9	6.0
700	3133	3158	3109	11.6	20.0	5.0	0.1	038	5.1	7.1
650	3746	3777	3719	7.1	16.0	-3.0	-3.6	040	5.6	7.7
600	4400	4434	4369	2.9	11.6	-4.1	-7.9	038	5.5	7.9
550	5098	5138	5059	-1.1	7.4	-7.3	-12.6	039	4.5	7.3
500	5854	5903	5810	-4.9	2.8	-12.3	-17.3	047	2.7	6.6
450	6674	6730	6627	-9.5	-1.9	-18.3	-21.5	056	1.6	6.5
400	7578	7643	7530	-14.9	-6.3	-23.9	-27.0	052	1.0	6.4
350	8574	8652	8515	-21.6	-11.9	-31.7	-32.7	077	0.5	6.2
300	9696	9800	9639	-29.6	-18.9	-41.9	-39.8	124	0.7	6.2
250	10971	11103	10903	-39.4	-27.0	-52.5	-48.6	138	1.6	6.9
200	12461	12626	12369	-51.5	-39.9	-67.5		130	3.9	8.7
175	13314	13497	13205	-58.4	-44.1	-73.5		123	5.6	10.0
150	14267	14473	14137	-66.0	-49.5	-81.3		113	7.5	11.4
125	15350	15585	15190	-73.3	-59.3	-85.7		101	9.9	12.4
100	16633	16954	16437	-79.3	-63.9	-90.0		095	12.0	13.3
80	17912	18254	17675	-76.1	-56.1	-91.0		094	10.4	11.5
70	18705	19080	18425	-72.0	-49.1	-88.0		093	7.8	9.3
60	19622	20036	19322	-66.7	-51.9	-82.0		088	6.1	8.1
50	20742	21078	20362	-61.0	-43.7	-74.0		087	7.2	9.0
40	22161	22475	21633	-56.3	-40.3	-69.3		085	11.2	12.3
30	24018	24388	23446	-51.2	-35.7	-60.9		089	14.9	15.7
25	25214	25538	24597	-48.3	-33.1	-59.1		090	18.3	19.1
20	26715	27116	26251	-45.3	-28.9	-55.3		087	20.0	20.9
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
564	4900	5600	4490				099	16700	-80.9

NORMALS OF RADIOSONDE DATA

MONTH : JUNE TIME : 0530 IST STATION : CHENNAI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1002	1004	1001	28.3	32.0	23.6	22.3	254	4.6	5.3
1000	33	52	21	28.2	32.4	23.4	22.0	254	4.9	5.6
950	486	508	475	26.7	32.8	15.6	19.1	264	10.3	11.1
925	725	744	714	25.3	33.6	15.0	17.8	264	10.5	11.2
900	963	985	954	24.1	33.6	14.6	16.3	273	11.6	12.4
850	1461	1484	1452	21.4	32.2	12.8	13.6	279	10.6	11.6
800	1984	2007	1974	18.2	27.8	10.2	10.7	280	8.6	9.8
750	2531	2557	2514	14.6	23.2	6.6	7.6	281	6.7	8.5
700	3113	3135	3096	11.0	18.2	4.6	4.1	278	5.9	8.4
650	3727	3754	3706	7.2	15.6	-3.0	0.4	276	5.3	8.3
600	4382	4418	4359	3.5	12.4	-3.9	-3.4	272	5.1	8.3
550	5082	5125	5047	-0.5	8.0	-8.0	-7.5	266	4.7	7.9
500	5839	5890	5808	-4.6	4.0	-12.3	-12.4	264	4.1	7.2
450	6660	6721	6615	-9.2	-2.9	-19.1	-17.5	264	2.6	6.3
400	7565	7633	7517	-14.5	-7.7	-22.9	-23.5	280	0.6	5.6
350	8563	8641	8502	-21.1	-13.0	-29.9	-29.8	073	1.7	5.8
300	9688	9778	9623	-29.2	-20.1	-40.1	-38.0	082	4.9	7.1
250	10966	11073	10883	-39.1	-30.9	-50.7	-47.1	085	9.6	11.0
200	12458	12593	12352	-51.2	-40.7	-62.7	-57.4	083	16.3	17.2
175	13315	13463	13196	-58.2	-48.5	-70.9		080	20.2	21.1
150	14270	14437	14139	-65.9	-55.5	-76.9		081	24.4	25.4
125	15355	15530	15209	-73.4	-60.1	-85.1		083	28.0	29.0
100	16639	16839	16456	-79.2	-64.5	-91.3		086	27.5	28.1
80	17917	18184	17688	-74.8	-60.1	-90.0		088	20.0	20.5
70	18715	19013	18454	-70.3	-57.5	-88.0		088	15.7	16.4
60	19634	20047	19342	-65.5	-50.7	-79.0		084	13.6	14.2
50	20761	21519	20460	-60.6	-46.9	-73.0		082	14.0	14.6
40	22181	22552	21850	-56.4	-43.5	-66.1		087	16.3	16.8
30	24045	24434	23701	-51.2	-39.1	-66.1		088	19.3	19.8
25	25216	25515	24880	-49.2	-37.1	-63.3		089	20.1	20.7
20	26698	27051	26360	-46.4	-31.3	-59.1				
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
556	5000	5520	4640				101	16610	-80.5

NORMALS OF RADIOSONDE DATA

MONTH : JULY TIME : 0530 IST STATION : CHENNAI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1003	1004	1002	27.1	33.0	22.4	22.4	257	4.2	4.9
1000	40	52	29	27.1	30.4	22.6	22.2	256	4.5	5.2
950	490	504	478	25.7	35.0	18.8	19.1	265	9.5	10.2
925	727	732	720	24.3	29.2	18.2	17.8	266	11.0	11.7
900	967	981	958	22.8	31.4	16.0	16.6	275	11.2	11.9
850	1463	1478	1452	20.1	28.0	13.0	14.1	282	11.2	11.9
800	1984	2001	1972	17.1	24.4	9.6	11.5	283	9.7	10.5
750	2529	2550	2512	13.7	21.2	7.2	8.7	281	8.3	9.2
700	3109	3131	3093	10.2	18.0	3.4	5.3	276	7.7	8.6
650	3722	3747	3703	6.7	13.2	-0.3	1.5	272	7.6	8.7
600	4376	4407	4351	3.1	9.8	-3.0	-2.4	268	7.0	8.4
550	5075	5109	5048	-0.6	6.0	-6.3	-6.4	263	6.1	8.1
500	5833	5870	5803	-4.8	1.6	-14.0	-11.3	260	4.9	7.5
450	6653	6697	6624	-9.4	-1.9	-16.1	-16.8	250	2.8	6.7
400	7558	7610	7518	-14.8	-5.9	-21.9	-22.8	175	0.5	6.2
350	8555	8617	8511	-21.5	-13.3	-29.1	-29.5	086	3.3	6.8
300	9677	9754	9628	-29.6	-20.7	-38.5	-37.8	086	7.5	9.2
250	10951	11042	10895	-39.7	-28.7	-50.7	-47.2	084	13.4	14.3
200	12438	12563	12358	-51.9	-40.5	-72.0	-57.8	080	21.4	22.1
175	13292	13443	13194	-58.9	-46.1	-71.1		078	25.6	26.2
150	14242	14405	14127	-66.6	-51.5	-77.1		078	30.5	31.1
125	15321	15502	15188	-74.1	-57.1	-88.5		080	34.5	35.2
100	16606	16817	16463	-78.1	-65.7	-90.0		083	32.6	33.1
80	17897	18135	17713	-72.0	-56.5	-85.5		086	23.6	24.0
70	18700	18961	18480	-68.2	-55.5	-82.0		086	20.6	21.0
60	19622	19914	19442	-64.3	-51.9	-80.0		085	18.5	18.8
50	20749	21034	20524	-60.3	-47.5	-78.0		085	18.6	18.9
40	22162	22475	21749	-57.0	-45.5	-73.0		084	20.4	20.7
30	24010	24354	23467	-53.1	-42.5	-66.0		087	23.3	23.6
25	25182	25610	24850	-50.9	-40.1	-64.5				
20	26665	27106	26271	-48.4	-38.1	-61.3				
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
558	4950	5400	4730				106	16290	-79.9

NORMALS OF RADIOSONDE DATA

MONTH : AUGUST TIME : 0530 IST STATION : CHENNAI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1004	1005	1002	26.5	30.2	23.0	22.6	257	4.3	4.8
1000	46	56	26	26.5	30.0	22.8	22.4	257	4.6	5.2
950	495	510	463	25.3	33.0	19.0	19.0	267	9.6	10.3
925	736	745	727	23.5	29.6	17.8	17.4	266	9.6	10.4
900	972	985	947	22.5	30.8	16.6	16.3	278	10.9	11.6
850	1467	1482	1440	19.7	28.0	14.0	13.9	285	10.6	11.3
800	1987	2004	1957	16.7	24.6	10.8	11.3	286	9.3	10.1
750	2532	2553	2497	13.4	22.2	7.4	8.4	283	8.2	9.0
700	3111	3133	3073	10.1	19.2	4.0	5.0	279	7.6	8.5
650	3723	3751	3680	6.7	16.0	0.0	1.3	275	7.4	8.5
600	4378	4409	4334	3.1	10.4	-3.5	-2.6	272	6.9	8.3
550	5077	5115	5032	-0.6	6.8	-7.9	-7.1	267	6.0	8.0
500	5835	5878	5788	-4.7	2.6	-13.0	-12.1	263	4.5	7.2
450	6656	6707	6609	-9.3	-1.9	-16.3	-17.4	259	2.6	6.5
400	7561	7617	7509	-14.8	-4.1	-23.0	-23.2	192	0.4	6.1
350	8558	8629	8502	-21.5	-12.3	-29.9	-29.7	092	2.8	6.6
300	9681	9763	9611	-29.6	-18.3	-38.1	-37.9	089	7.0	8.8
250	10955	11054	10872	-39.6	-30.9	-49.3	-47.4	086	12.9	13.7
200	12442	12573	12339	-51.9	-40.5	-63.3	-58.5	081	20.6	21.2
175	13295	13439	13175	-58.9	-46.1	-73.1		080	25.2	25.7
150	14246	14407	14107	-66.5	-54.1	-77.0		080	29.2	29.7
125	15328	15513	15168	-74.0	-61.3	-87.0		081	32.3	32.9
100	16617	16826	16436	-77.9	-60.0	-90.0		084	30.1	30.5
80	17924	18139	17693	-71.1	-55.1	-84.0		087	21.8	22.2
70	18731	18971	18475	-67.2	-52.9	-80.0		088	18.8	19.3
60	19665	19906	19337	-63.6	-47.1	-76.0		085	17.5	17.9
50	20795	21053	20551	-60.0	-46.9	-71.0		084	18.3	18.7
40	22201	22486	21829	-56.5	-42.5	-68.0		085	20.5	20.8
30	24051	24344	23611	-52.8	-41.1	-63.5		086	21.6	21.8
25	25252	25517	24810	-50.7	-37.5	-58.5				
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
557	4970	5480	4630				106	16310	-79.7

NORMALS OF RADIOSONDE DATA

MONTH : SEPTEMBER TIME : 0530 IST STATION : CHENNAI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1005	1007	1003	26.2	30.0	22.8	23.5	249	3.0	3.9
1000	58	73	45	26.1	29.8	22.8	23.3	248	3.3	4.2
950	507	528	478	25.0	32.2	19.2	19.8	255	6.3	7.7
925	745	763	732	23.6	29.8	19.2	17.5	257	6.5	8.0
900	983	1004	971	22.5	33.0	15.2	16.7	267	5.8	7.6
850	1478	1502	1462	19.6	29.4	12.0	14.1	284	4.6	6.6
800	1997	2024	1976	16.3	24.2	9.6	11.2	298	3.8	6.1
750	2541	2575	2511	13.0	20.4	7.0	7.8	301	3.5	6.0
700	3120	3157	3085	9.7	18.2	3.0	3.9	296	3.2	6.0
650	3732	3776	3696	6.5	14.6	0.0	-0.3	288	2.9	5.9
600	4385	4436	4336	3.0	11.8	-3.0	-4.4	277	2.1	5.8
550	5084	5144	5030	-0.8	8.0	-7.1	-9.0	264	1.3	5.8
500	5841	5903	5786	-5.0	2.0	-12.0	-14.1	208	0.2	5.6
450	6661	6732	6599	-9.8	-2.5	-19.0	-18.9	091	1.4	5.6
400	7563	7639	7501	-15.3	-7.9	-23.0	-25.1	090	3.2	6.1
350	8560	8646	8497	-22.0	-14.3	-29.9	-31.9	092	5.2	7.1
300	9680	9774	9613	-30.1	-21.7	-39.7	-40.0	092	7.6	8.8
250	10951	11059	10875	-40.3	-31.9	-51.7	-49.2	092	11.1	11.8
200	12435	12567	12340	-52.5	-41.3	-64.0		088	16.2	16.9
175	13285	13432	13171	-59.6	-47.9	-75.0		085	19.4	20.1
150	14233	14397	14096	-67.2	-55.5	-77.0		084	22.6	23.3
125	15309	15486	15155	-74.5	-63.5	-87.0		086	25.3	25.8
100	16592	16781	16436	-77.9	-67.1	-90.0		088	23.3	23.6
80	17889	18093	17725	-71.5	-56.0	-83.1		088	16.3	16.7
70	18696	18931	18513	-67.8	-55.1	-80.9		089	14.3	14.8
60	19624	19863	19387	-64.2	-53.9	-75.0		085	13.1	13.7
50	20749	21028	20502	-60.6	-48.5	-74.0		083	14.4	15.0
40	22154	22502	21900	-56.7	-45.1	-67.9		085	16.4	16.9
30	23989	24341	23743	-53.2	-42.5	-63.9		087	19.7	20.1
25	25175	25506	24831	-51.1	-41.7	-61.5		087	20.7	21.1
20	26654	27045	26296	-48.7	-38.9	-58.9				
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
559	4940	5450	4520				107	16230	-79.8

NORMALS OF RADIOSONDE DATA

MONTH : OCTOBER TIME : 0530 IST STATION : CHENNAI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1007	1010	1004	25.2	28.8	17.0	23.5	299	1.2	3.2
1000	74	104	55	25.1	30.2	20.4	23.1	300	1.4	3.7
950	522	555	495	24.1	33.0	17.0	19.8	298	1.1	5.6
925	756	788	745	22.5	28.2	17.8	17.1	307	1.3	5.7
900	996	1027	974	21.4	31.2	12.0	16.1	001	1.0	6.0
850	1489	1520	1466	18.6	27.8	12.0	12.5	017	2.0	6.2
800	2007	2037	1980	15.6	23.8	7.0	9.3	019	2.5	6.2
750	2550	2581	2519	12.5	21.4	6.0	5.8	020	2.4	6.2
700	3128	3157	3092	9.5	18.8	1.0	2.1	022	1.8	6.0
650	3739	3768	3700	6.4	15.2	-0.9	-1.6	041	1.2	5.6
600	4392	4423	4350	3.0	11.2	-6.0	-5.3	073	1.2	5.5
550	5091	5128	5042	-0.7	7.8	-9.0	-9.3	092	1.7	5.5
500	5848	5892	5802	-4.9	3.0	-12.0	-13.9	092	2.3	5.6
450	6669	6722	6618	-9.7	-2.3	-18.0	-18.8	091	2.9	5.8
400	7571	7633	7519	-15.2	-7.5	-25.0	-25.1	093	3.3	6.0
350	8567	8639	8509	-21.9	-14.0	-30.0	-31.5	095	3.8	6.2
300	9687	9775	9626	-30.1	-21.3	-39.0	-39.6	100	4.6	6.7
250	10959	11063	10887	-40.4	-30.1	-52.0	-49.2	102	6.0	8.2
200	12442	12569	12345	-52.7	-40.9	-63.1		102	8.3	10.8
175	13291	13430	13171	-59.9	-49.1	-70.1		100	10.1	12.6
150	14237	14401	14091	-67.5	-58.1	-79.3		100	12.0	14.4
125	15315	15504	15145	-74.7	-65.0	-85.7		099	13.3	15.2
100	16596	16797	16399	-78.8	-68.7	-89.0		095	11.8	13.1
80	17880	18093	17643	-73.2	-60.3	-84.0		092	8.7	9.9
70	18681	18916	18387	-69.5	-55.7	-82.0		089	7.6	9.1
60	19604	19839	19321	-65.5	-53.1	-80.0		086	8.1	9.3
50	20734	20981	20477	-61.0	-45.1	-70.3		086	9.9	10.9
40	22162	22405	21662	-56.8	-44.5	-67.1		085	12.7	13.6
30	24024	24295	23724	-51.8	-40.1	-61.9		088	16.5	17.6
25	25230	25481	24875	-49.0	-39.5	-59.3		089	17.3	18.7
20	26716	26979	26318	-46.3	-36.5	-57.3				
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
559	4950	5440	4600				105	16320	-80.3

NORMALS OF RADIOSONDE DATA

MONTH : NOVEMBER TIME : 0530 IST STATION : CHENNAI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1009	1011	1007	23.6	28.0	18.4	22.1	013	2.9	4.2
1000	91	109	73	23.6	27.2	19.2	21.6	015	3.6	5.1
950	536	550	516	22.6	30.6	15.4	18.5	036	5.1	7.3
925	771	783	762	21.0	30.2	14.6	16.6	049	5.4	7.2
900	1008	1024	993	19.8	28.6	11.0	14.7	048	5.6	7.9
850	1499	1517	1482	17.1	25.0	10.0	10.8	052	5.5	7.8
800	2014	2035	1994	14.5	24.0	6.0	7.1	056	4.7	7.3
750	2555	2578	2532	11.9	19.4	3.0	3.5	063	4.0	6.8
700	3132	3157	3104	9.4	16.4	1.0	-0.3	071	3.3	6.2
650	3742	3769	3714	6.4	13.0	0.8	-4.2	079	3.1	6.1
600	4396	4429	4368	3.1	10.4	-3.0	-7.9	082	3.2	6.2
550	5095	5129	5063	-0.7	5.8	-8.9	-11.9	083	3.7	6.6
500	5852	5888	5825	-5.0	1.2	-12.1	-16.5	080	4.0	7.1
450	6670	6715	6639	-9.9	-2.1	-17.0	-20.9	076	3.8	7.3
400	7573	7627	7535	-15.5	-7.9	-23.0	-27.1	079	3.4	7.3
350	8567	8635	8521	-22.4	-13.9	-29.9	-33.5	087	2.2	6.7
300	9685	9773	9624	-30.6	-21.3	-39.5	-41.1	131	1.7	6.7
250	10953	11070	10876	-41.0	-29.7	-50.7	-50.3	157	3.7	7.7
200	12431	12586	12323	-53.3	-40.1	-66.0		157	6.1	10.0
175	13277	13453	13150	-60.3	-48.1	-72.0		154	6.2	10.5
150	14222	14422	14069	-67.8	-54.7	-78.0		149	5.6	10.1
125	15297	15511	15123	-74.7	-64.5	-86.0		133	4.4	9.4
100	16577	16818	16382	-79.6	-67.5	-88.0		101	4.9	8.2
80	17857	18119	17666	-75.8	-60.3	-90.0		094	5.0	7.2
70	18651	18937	18450	-72.1	-55.5	-88.0		090	4.4	6.8
60	19564	19854	19358	-67.5	-50.5	-84.0		091	4.2	6.9
50	20680	20994	20458	-62.6	-49.9	-76.5		086	6.1	8.8
40	22099	22416	21785	-57.7	-41.1	-72.1		090	8.0	10.8
30	23943	24263	23455	-52.9	-37.7	-68.1		089	10.9	14.1
25	25149	25405	24360	-50.2	-35.9	-63.5		091	12.4	15.8
20	26650	26875	26188	-47.4	-37.5	-57.9				
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
559	4960	5400	4650				102	16480	-81.0

NORMALS OF RADIOSONDE DATA

MONTH : DECEMBER TIME : 0530 IST STATION : CHENNAI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1011	1013	1009	22.2	27.0	17.4	20.5	020	3.9	4.5
1000	111	126	93	22.3	27.6	17.0	20.2	023	5.1	5.7
950	554	573	533	21.1	30.2	13.0	17.7	044	6.8	7.6
925	789	803	779	19.2	25.6	12.2	15.5	046	6.8	7.6
900	1023	1038	1005	18.2	27.4	10.0	13.9	054	7.0	7.9
850	1511	1528	1492	15.7	24.2	9.0	9.0	061	6.3	7.4
800	2024	2045	2005	13.7	22.0	6.0	3.8	068	5.5	6.9
750	2564	2585	2539	11.8	19.2	3.0	-0.2	073	4.7	6.5
700	3141	3170	3119	9.5	16.8	1.4	-4.2	076	4.2	6.2
650	3751	3785	3722	6.5	16.0	-5.0	-7.5	077	3.5	5.8
600	4404	4441	4380	2.9	10.6	-4.1	-11.1	077	3.4	6.0
550	5102	5145	5066	-1.1	6.8	-12.0	-14.8	075	3.2	6.3
500	5857	5909	5824	-5.6	3.0	-13.3	-19.0	074	2.9	6.7
450	6674	6737	6635	-10.6	-2.9	-18.9	-24.0	065	2.0	7.0
400	7572	7649	7523	-16.4	-7.9	-25.7	-29.4	003	0.8	7.4
350	8562	8660	8504	-23.4	-14.9	-35.1	-35.5	280	2.0	8.2
300	9676	9798	9602	-31.7	-23.3	-42.7	-42.6	250	4.1	9.6
250	10940	11091	10851	-41.7	-31.0	-52.3	-51.0	225	6.7	11.5
200	12413	12596	12306	-53.8	-44.1	-64.5		219	8.7	13.6
175	13258	13464	13129	-60.6	-51.1	-71.7		220	9.2	14.0
150	14203	14440	14061	-67.6	-57.7	-78.9		227	8.3	13.1
125	15277	15544	15126	-74.1	-65.1	-84.9		236	5.8	10.9
100	16559	16848	16399	-79.6	-64.7	-92.0		225	1.2	8.4
80	17831	18139	17634	-77.1	-63.0	-90.1		097	2.7	7.3
70	18617	18955	18401	-73.3	-56.5	-87.0		088	2.7	6.6
60	19522	19935	19304	-68.5	-54.1	-81.0		092	2.2	6.2
50	20629	21061	20385	-63.1	-45.5	-76.0		083	2.2	6.8
40	22029	22463	21729	-58.1	-42.9	-70.1		091	4.2	8.7
30	23862	24307	23489	-53.2	-40.1	-65.7		088	8.0	11.7
25	25056	25450	24620	-50.3	-36.9	-63.1		084	9.5	13.1
20	26541	26954	26141	-47.6	-37.5	-60.3				
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
562	4920	5360	4560				099	16650	-81.2

NORMALS OF RADIOSONDE DATA

MONTH : JANUARY TIME : 0530 IST STATION : GOA

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1005	1007	1003	20.9	25.0	15.4	18.1	056	2.3	3.4
1000	100	119	87	21.4	26.0	13.0	17.3	060	2.7	4.0
950	538	564	489	22.7	29.2	14.0	9.9	064	3.3	5.6
925	778	794	762	21.8	27.8	15.4	8.5	073	3.3	5.8
900	1015	1032	1000	20.3	32.0	11.8	6.3	080	3.1	5.8
850	1505	1521	1483	17.0	28.0	8.0	3.8	103	3.0	5.3
800	2018	2035	1991	13.5	23.2	2.0	0.4	117	2.8	5.1
750	2556	2578	2515	10.8	21.0	2.2	-4.8	123	1.7	5.1
700	3129	3157	3089	8.4	19.6	0.6	-10.1	308	0.3	5.5
650	3739	3768	3697	5.5	16.0	-7.5	-14.2	300	2.0	6.4
600	4388	4425	4335	2.0	11.6	-6.0	-16.9	296	3.1	7.4
550	5084	5128	5018	-2.1	5.6	-10.0		288	4.3	8.0
500	5835	5887	5770	-6.7	4.4	-17.3		284	5.5	9.0
450	6648	6707	6559	-11.9	-0.1	-21.1		280	7.3	10.7
400	7542	7617	7453	-17.8	-6.1	-26.9		278	9.6	12.6
350	8528	8619	8432	-24.6	-12.1	-35.5		273	12.4	14.9
300	9636	9761	9520	-32.7	-22.1	-43.9		268	14.2	16.7
250	10893	11049	10767	-42.7	-28.0	-53.5		261	15.6	18.1
200	12361	12572	12215	-54.5	-40.3	-65.1		258	15.4	18.4
175	13208	13456	13095	-61.1	-47.3	-71.5		257	14.5	17.8
150	14152	14429	14034	-67.9	-54.1	-80.1		255	12.6	16.0
125	15229	15520	15092	-74.2	-61.9	-90.9		258	9.5	13.3
100	16502	16820	16358	-79.0	-64.1	-87.7		263	5.6	10.2
80	17769	18133	17607	-78.0	-63.3	-88.3		270	2.2	7.2
70	18533	18908	18369	-74.8	-56.3	-86.1		249	1.6	6.6
60	19432	19819	19267	-70.1	-52.3	-81.9		267	1.3	6.5
50	20521	20921	20288	-65.0	-48.1	-79.1		149	0.2	7.0
40	21879	22393	21699	-60.5	-47.1	-76.7		096	1.7	6.7
30	23683	24251	23477	-56.9	-45.9	-77.3				
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
576	4720	5200	4290				100	16540	-80.3

NORMALS OF RADIOSONDE DATA

MONTH : FEBRUARY TIME : 0530 IST STATION : GOA

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1004	1006	1001	21.6	30.0	18.0	18.7	020	2.4	3.4
1000	93	108	65	21.9	29.6	17.0	18.1	020	2.6	3.8
950	531	552	482	23.0	32.2	14.8	10.5	006	3.6	5.7
925	772	784	754	22.3	30.6	13.4	6.9	001	3.1	5.7
900	1008	1024	978	21.4	30.6	11.0	5.2	359	2.5	6.0
850	1500	1517	1470	18.7	29.8	8.0	2.5	089	0.6	5.8
800	2016	2038	1992	15.0	26.0	6.4	0.5	136	2.2	5.7
750	2556	2583	2522	11.0	22.4	3.0	-2.5	139	2.3	5.7
700	3129	3161	3101	7.7	19.0	-1.9	-7.3	168	1.0	5.7
650	3737	3775	3701	4.9	18.0	-5.3	-13.2	278	2.0	6.4
600	4384	4428	4351	1.7	12.2	-8.9	-17.4	286	4.1	7.7
550	5079	5137	5040	-2.4	9.4	-13.1		287	5.5	8.8
500	5830	5892	5785	-6.9	4.6	-17.5		284	6.6	9.8
450	6643	6718	6583	-12.0	-1.3	-22.5		281	8.3	11.6
400	7538	7620	7485	-17.8	-5.1	-26.5		277	10.4	13.7
350	8524	8621	8472	-24.6	-12.1	-35.7		276	12.9	15.8
300	9630	9745	9562	-32.7	-20.7	-44.1		270	14.9	17.7
250	10891	11029	10796	-42.5	-29.1	-52.3		265	15.7	18.4
200	12358	12533	12234	-54.2	-41.1	-66.7		262	15.2	18.5
175	13207	13398	13065	-60.7	-47.7	-76.1		263	14.3	17.8
150	14148	14361	13999	-67.7	-55.9	-82.1		259	12.3	16.1
125	15229	15466	15080	-73.9	-61.7	-89.1		262	9.0	13.2
100	16512	16794	16319	-78.7	-68.3	-89.3		269	5.2	9.9
80	17780	18113	17582	-78.2	-60.5	-90.5		274	2.9	8.1
70	18540	18951	18330	-75.6	-58.0	-87.3		267	2.3	7.6
60	19444	19917	19207	-71.4	-56.5	-83.9		273	2.5	7.3
50	20532	21006	20253	-66.5	-50.3	-78.9		268	1.9	6.5
40	21873	22301	21546	-61.8	-47.0	-74.0				
30										
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
580	4680	5390	4100				098	16660	-80.3

NORMALS OF RADIOSONDE DATA

MONTH : MARCH TIME : 0530 IST STATION : GOA

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1003	1004	1000	24.0	29.6	18.8	21.4	007	1.6	2.5
1000	83	96	58	24.0	29.2	17.0	21.1	006	1.7	3.1
950	523	542	484	23.7	33.2	14.4	14.6	354	3.2	5.2
925	764	778	743	23.8	34.8	12.4	11.3	345	3.9	5.3
900	1002	1016	983	23.4	34.4	14.0	5.9	344	3.9	6.2
850	1498	1515	1483	21.3	32.2	11.0	2.5	344	2.6	6.2
800	2019	2040	2002	17.6	28.4	9.6	1.3	089	1.1	5.6
750	2562	2589	2521	13.1	24.0	2.0	-0.5	119	3.0	5.6
700	3141	3167	3117	8.5	18.2	-3.1	-3.2	118	3.3	5.8
650	3749	3776	3717	4.4	14.0	-4.0	-7.8	109	2.1	5.7
600	4395	4426	4364	1.3	12.0	-6.9	-14.1	002	0.5	5.9
550	5090	5123	5023	-2.4	8.0	-12.0	-19.0	301	2.4	7.0
500	5840	5884	5798	-6.8	3.0	-14.5	-23.5	294	4.1	8.1
450	6653	6711	6579	-12.0	-2.7	-20.1		287	5.7	9.5
400	7547	7621	7484	-18.0	-9.5	-28.1		283	7.9	11.4
350	8532	8622	8461	-24.8	-14.9	-39.0		278	10.7	13.9
300	9637	9750	9550	-32.8	-22.3	-42.1		272	13.4	16.4
250	10894	11034	10796	-42.5	-29.7	-53.1		266	15.0	18.0
200	12364	12547	12245	-54.0	-36.5	-67.3		263	14.9	18.0
175	13210	13415	13092	-60.4	-40.5	-73.5		261	14.2	17.2
150	14156	14366	14038	-67.1	-43.7	-82.5		264	12.4	15.6
125	15235	15456	15100	-73.7	-48.5	-86.3		264	9.1	13.1
100	16518	16838	16406	-78.8	-55.9	-88.1		263	4.6	9.3
80	17782	18218	17664	-78.4	-59.7	-88.1		281	1.5	7.2
70	18546	19000	18422	-75.4	-56.9	-85.7		271	0.5	6.4
60	19445	19930	19287	-70.8	-51.1	-84.5		256	1.2	6.3
50	20532	21058	20316	-65.7	-51.1	-87.3		245	1.2	6.4
40	21900	22451	21656	-60.5	-49.1	-73.0		058	0.6	6.0
30	23702	24192	23525	-56.3	-45.9	-68.9				
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
584	4610	5240	4160				097	16700	-81.0

NORMALS OF RADIOSONDE DATA

MONTH : APRIL TIME : 0530 IST STATION : GOA

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1001	1003	1000	26.0	30.0	22.2	22.9	349	1.6	2.5
1000	72	84	61	25.9	30.0	22.0	22.7	351	1.8	3.0
950	514	533	452	24.1	33.0	17.0	19.2	342	3.0	4.8
925	758	765	740	23.6	33.2	17.8	15.5	339	3.8	5.0
900	993	1007	979	23.3	36.2	15.0	10.5	337	4.0	5.8
850	1490	1508	1474	22.4	32.0	13.8	4.6	338	4.1	6.3
800	2014	2034	1992	19.3	29.0	9.2	2.9	355	2.3	5.8
750	2561	2589	2526	15.0	24.0	6.0	1.8	083	2.0	5.2
700	3143	3170	3113	10.2	21.0	1.0	-0.2	104	3.4	5.6
650	3754	3786	3723	5.2	16.8	-4.1	-3.9	101	3.9	5.9
600	4402	4440	4360	1.1	10.8	-7.0	-9.4	089	3.1	5.9
550	5097	5140	5052	-2.5	5.6	-10.0	-15.3	048	1.2	5.8
500	5848	5893	5799	-6.5	2.0	-14.5	-19.9	317	1.6	6.7
450	6663	6719	6608	-11.3	-1.9	-18.7	-25.6	294	3.1	7.8
400	7559	7629	7512	-17.2	-7.9	-25.3	-31.1	282	5.1	9.5
350	8548	8628	8504	-24.1	-13.7	-33.9		274	7.5	11.7
300	9658	9761	9600	-32.0	-21.5	-44.7		267	10.3	14.0
250	10921	11055	10851	-41.7	-30.0	-55.1		261	12.2	15.6
200	12399	12576	12318	-53.1	-41.7	-67.7		253	13.1	16.2
175	13248	13457	13138	-59.6	-45.1	-72.5		251	12.5	15.6
150	14201	14438	14103	-66.3	-55.3	-76.9		252	10.5	13.9
125	15285	15560	15169	-72.9	-60.1	-88.3		254	6.7	11.1
100	16572	16853	16437	-78.5	-64.3	-89.9		239	1.7	9.4
80	17837	18162	17692	-77.7	-56.1	-88.0		098	1.5	7.9
70	18606	18926	18453	-74.4	-52.7	-86.1		104	0.8	6.7
60	19511	19856	19351	-69.3	-51.1	-80.9		196	0.5	6.0
50	20603	20911	20449	-63.5	-46.5	-74.5		274	0.6	6.3
40	21986	22384	21800	-58.8	-43.1	-68.7		083	1.9	6.9
30	23784	24271	23593	-54.3	-40.3	-64.3				
25	24958	25591	24709	-51.9	-40.3	-60.5				
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
584	4630	5300	4200				097	16740	-80.2

NORMALS OF RADIOSONDE DATA

MONTH : MAY TIME : 0530 IST STATION : GOA

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1000	1002	999	27.1	31.2	22.8	24.0	320	1.9	3.0
1000	61	76	50	26.8	30.0	23.0	23.7	325	2.2	3.1
950	504	525	460	24.6	32.4	17.0	21.0	318	3.7	5.4
925	750	757	737	23.2	31.0	14.6	19.8	308	4.0	5.5
900	984	997	968	22.1	31.2	15.4	16.3	312	4.4	6.1
850	1480	1495	1462	21.0	30.4	12.4	9.5	317	4.6	6.8
800	2003	2019	1983	19.1	28.8	11.0	4.6	330	3.3	6.6
750	2551	2573	2518	15.5	24.6	6.0	2.6	019	1.7	6.0
700	3133	3156	3111	11.1	19.0	2.8	0.6	079	2.5	6.1
650	3748	3773	3717	6.3	14.8	-5.1	-2.5	088	3.5	6.4
600	4398	4427	4361	1.9	10.6	-8.5	-6.3	087	4.0	6.7
550	5094	5130	5041	-1.9	9.0	-10.9	-11.7	072	3.1	6.5
500	5847	5884	5799	-5.8	2.0	-16.0	-16.5	047	2.7	6.8
450	6665	6715	6606	-10.3	-1.9	-19.0	-20.8	030	2.6	7.5
400	7566	7622	7508	-15.6	-6.0	-24.0	-26.1	005	2.1	7.7
350	8561	8629	8494	-22.3	-12.7	-32.1	-32.0	319	1.5	7.7
300	9679	9773	9598	-30.1	-20.3	-40.1	-38.7	268	2.2	8.1
250	10954	11078	10865	-39.9	-28.5	-50.5		238	3.1	8.7
200	12438	12593	12336	-52.0	-40.9	-64.0		208	3.8	9.8
175	13292	13500	13165	-58.8	-47.9	-70.1		189	4.1	10.5
150	14244	14471	14131	-66.2	-54.3	-77.9		159	4.6	10.6
125	15327	15581	15209	-73.4	-52.0	-87.1		123	6.3	11.1
100	16612	16904	16449	-79.0	-63.1	-89.7		104	9.8	11.9
80	17881	18208	17701	-77.8	-56.9	-89.1		099	10.1	11.3
70	18649	19016	18496	-73.8	-51.1	-86.7		095	8.3	9.4
60	19561	19936	19393	-67.8	-46.3	-79.9		100	6.8	8.4
50	20673	21055	20485	-62.4	-44.5	-77.3		086	7.2	8.4
40	22049	22526	21771	-57.8	-45.5	-79.3		084	10.0	10.9
30	23849	24576	23530	-53.9	-41.9	-82.9				
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
574	4750	5410	4320				097	16820	-81.0

NORMALS OF RADIOSONDE DATA

MONTH : JUNE TIME : 0530 IST STATION : GOA

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	998	1000	996	26.0	30.0	21.6	24.2	261	3.2	4.8
1000	46	61	31	26.2	29.8	22.2	24.3	276	2.9	4.2
950	486	514	424	24.2	34.2	18.0	21.8	269	5.7	7.7
925	731	749	719	22.9	32.8	18.6	20.8	273	6.4	7.9
900	968	988	953	21.3	32.0	14.4	18.8	272	7.5	9.2
850	1462	1484	1445	18.7	28.4	11.0	15.5	274	7.9	9.5
800	1981	2005	1961	16.1	25.4	7.0	11.8	272	7.1	9.0
750	2524	2553	2501	13.4	24.2	4.0	7.7	272	5.8	8.7
700	3105	3132	3077	10.3	19.8	2.0	3.0	272	4.5	8.5
650	3718	3745	3691	6.8	15.6	-4.0	-0.6	274	3.4	8.4
600	4371	4399	4329	3.1	12.6	-7.0	-4.1	272	2.3	7.9
550	5072	5112	5020	-0.5	10.4	-9.0	-7.5	268	1.6	7.0
500	5829	5870	5776	-4.4	7.0	-12.0	-11.8	264	1.1	6.2
450	6652	6711	6593	-8.8	3.8	-16.1	-16.5	177	0.2	5.6
400	7557	7621	7488	-14.2	-2.5	-22.1	-22.1	089	1.3	5.4
350	8560	8639	8485	-20.7	-7.7	-29.3	-28.6	092	3.3	5.9
300	9686	9786	9601	-28.7	-16.1	-38.7	-36.6	092	5.3	7.2
250	10966	11089	10861	-38.8	-24.5	-51.5	-45.7	089	8.3	10.0
200	12457	12612	12320	-51.4	-40.9	-67.3		093	13.5	15.1
175	13312	13479	13179	-58.7	-47.5	-77.5		094	16.8	18.4
150	14262	14451	14111	-66.5	-55.1	-83.7		095	20.7	22.0
125	15340	15553	15172	-74.5	-62.3	-86.9		094	24.3	25.3
100	16613	16895	16349	-79.8	-64.1	-90.9		094	25.7	26.7
80	17882	18200	17673	-77.1	-60.1	-89.0		094	20.1	20.7
70	18661	19002	18391	-72.6	-56.9	-85.1		093	16.2	17.0
60	19574	19858	19425	-67.7	-53.1	-85.3		087	14.3	14.7
50	20682	21098	20566	-62.9	-47.9	-78.5		087	14.0	14.5
40	22067	22498	21939	-58.4	-44.9	-68.5				
30										
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
557	4960	5650	4350				101	16590	-81.5

NORMALS OF RADIOSONDE DATA

MONTH : JULY TIME : 0530 IST STATION : GOA

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	999	1001	996	25.6	36.2	22.0	24.1	269	5.3	5.9
1000	50	66	31	25.7	28.0	22.8	23.9	272	5.1	5.6
950	492	511	438	23.7	30.2	15.0	21.7	271	8.8	9.7
925	730	736	713	22.1	27.4	17.4	20.2	271	10.1	10.8
900	970	984	934	20.7	27.2	13.0	18.6	273	10.8	11.3
850	1463	1476	1426	17.9	25.0	10.2	15.4	275	10.9	11.4
800	1980	1997	1943	15.1	23.4	8.4	12.5	274	10.2	10.7
750	2522	2546	2492	12.3	21.0	6.0	8.5	274	9.5	10.3
700	3100	3126	3061	9.7	19.0	3.4	3.6	276	8.9	9.9
650	3713	3749	3678	6.6	14.0	-2.0	-0.9	279	7.6	9.1
600	4366	4405	4331	3.1	10.4	-5.0	-4.3	282	6.1	8.2
550	5066	5124	5023	-0.5	7.8	-8.3	-7.4	283	4.5	7.3
500	5824	5881	5782	-4.4	3.8	-16.0	-11.8	283	2.9	6.3
450	6647	6726	6597	-9.0	-0.7	-20.0	-16.7	298	0.8	5.7
400	7552	7636	7492	-14.4	-5.3	-25.0	-22.4	079	1.8	5.7
350	8552	8651	8485	-21.1	-11.1	-29.0	-28.9	090	4.7	6.8
300	9676	9801	9592	-29.3	-17.7	-37.9	-37.1	092	8.5	9.6
250	10953	11103	10872	-39.5	-26.1	-51.3	-46.4	090	13.5	14.4
200	12439	12629	12347	-52.2	-40.5	-65.5		090	22.2	22.8
175	13290	13506	13180	-59.5	-46.5	-73.7		088	27.2	27.7
150	14238	14486	14107	-67.2	-52.9	-79.7		087	31.9	32.4
125	15310	15604	15143	-75.3	-60.7	-87.7		088	36.3	36.9
100	16583	16962	16409	-78.7	-60.5	-91.3		090	33.8	34.3
80	17871	18325	17689	-73.6	-57.1	-87.7		089	24.5	24.8
70	18655	19100	18425	-70.1	-55.3	-84.5		088	21.0	21.4
60	19577	20054	19404	-66.4	-51.7	-81.3		086	20.1	20.5
50	20688	21162	20494	-63.0	-47.7	-78.0				
40	22072	22632	21880	-59.1	-43.9	-71.1				
30										
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
557	4980	5830	4680				106	16260	-81.0

NORMALS OF RADIOSONDE DATA

MONTH : AUGUST TIME : 0530 IST STATION : GOA

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1000	1001	997	25.1	28.4	22.6	23.7	275	4.7	5.1
1000	58	71	37	25.0	27.2	22.6	23.7	280	4.1	4.5
950	499	518	442	23.2	29.4	16.8	21.0	279	8.5	9.3
925	741	752	730	21.6	27.0	16.0	19.7	280	9.2	9.9
900	977	990	952	20.2	27.0	13.6	18.1	281	10.2	10.8
850	1468	1483	1442	17.4	24.4	10.2	15.0	281	10.1	10.6
800	1985	2001	1956	14.7	22.0	6.0	12.1	280	9.6	10.2
750	2526	2565	2489	12.1	19.2	3.2	8.2	279	9.2	9.9
700	3103	3124	3068	9.4	16.8	0.4	3.5	280	8.5	9.4
650	3715	3752	3683	6.2	13.2	-4.0	-1.2	283	7.4	8.5
600	4367	4398	4322	2.8	10.4	-7.0	-5.1	286	6.0	7.4
550	5067	5110	5017	-0.8	7.0	-11.0	-8.6	285	4.3	6.4
500	5823	5869	5772	-4.6	3.0	-14.0	-13.0	288	2.8	5.6
450	6645	6699	6579	-9.0	-0.9	-18.0	-17.8	311	1.3	5.2
400	7551	7611	7488	-14.6	-5.9	-24.0	-23.0	058	1.5	5.1
350	8550	8623	8493	-21.3	-12.9	-28.3	-29.5	083	4.2	6.4
300	9673	9765	9595	-29.4	-19.9	-37.1	-37.0	091	8.0	9.0
250	10950	11063	10861	-39.4	-27.9	-48.0	-46.2	091	13.3	14.0
200	12437	12589	12329	-51.9	-40.5	-63.0		090	21.5	22.0
175	13291	13463	13162	-59.1	-47.5	-71.1		090	25.9	26.4
150	14240	14427	14069	-67.0	-55.1	-80.7		089	30.5	31.1
125	15320	15550	15127	-74.9	-62.7	-87.3		090	32.6	33.4
100	16601	16840	16420	-77.6	-60.3	-88.0		092	29.0	29.4
80	17901	18194	17737	-71.8	-52.3	-89.7		091	21.3	21.7
70	18699	19013	18530	-68.5	-50.7	-84.1		088	19.3	19.7
60	19616	19990	19395	-65.8	-49.7	-79.3		084	18.4	18.8
50	20723	21162	20565	-62.0	-46.5	-80.3				
40	22145	22740	21936	-58.5	-41.1	-67.9				
30										
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
560	4930	5530	4490				108	16210	-79.6

NORMALS OF RADIOSONDE DATA

MONTH : SEPTEMBER TIME : 0530 IST STATION : GOA

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1001	1003	999	24.7	35.4	17.0	23.5	300	1.4	2.4
1000	69	83	45	24.6	29.2	22.0	23.4	315	1.5	2.6
950	509	533	451	23.1	30.8	15.6	20.9	305	3.9	6.0
925	749	766	741	21.8	29.4	16.6	19.1	301	5.1	6.6
900	987	1004	964	20.4	29.2	12.0	17.6	300	5.1	7.0
850	1479	1496	1456	17.9	28.0	8.4	14.2	295	4.9	7.1
800	1996	2015	1974	15.2	24.0	7.4	10.6	287	3.7	6.7
750	2537	2561	2494	12.3	22.0	4.6	6.6	285	2.6	6.4
700	3116	3140	3086	9.3	18.6	1.4	2.0	287	1.9	5.9
650	3727	3757	3700	6.1	16.6	-1.3	-1.7	283	1.8	5.6
600	4378	4415	4338	2.7	14.4	-5.0	-5.4	287	1.6	5.3
550	5078	5122	5023	-0.7	9.4	-8.0	-9.4	295	1.2	5.0
500	5835	5885	5778	-4.8	4.2	-16.0	-13.8	337	0.8	4.7
450	6655	6716	6575	-9.5	-1.3	-19.0	-18.7	051	1.1	4.8
400	7559	7626	7483	-15.1	-7.1	-25.0	-24.0	076	2.3	5.1
350	8557	8637	8459	-21.9	-11.9	-32.0	-30.3	089	4.2	5.9
300	9676	9775	9583	-30.0	-19.5	-38.0	-37.4	092	7.0	7.9
250	10948	11074	10851	-40.2	-30.1	-49.1	-47.0	095	10.6	11.3
200	12431	12583	12333	-53.0	-42.5	-73.0		097	15.5	16.3
175	13280	13445	13191	-60.4	-50.1	-75.3		097	19.0	19.8
150	14223	14399	14093	-68.1	-55.1	-79.5		096	22.2	23.0
125	15298	15507	15174	-75.3	-56.1	-84.7		097	23.9	24.5
100	16575	16876	16405	-77.8	-60.7	-92.5		095	19.6	20.2
80	17857	18279	17687	-72.8	-52.5	-85.1		091	14.4	14.9
70	18648	19106	18465	-69.2	-53.5	-79.5		087	12.9	13.5
60	19569	20086	19325	-65.8	-49.1	-78.7		087	13.0	13.5
50	20679	21398	20392	-62.5	-44.9	-72.9		085	14.3	14.8
40	22063	22918	21698	-59.4	-41.3	-75.3				
30										
25										
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15										
10										
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FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
560	4930	5540	4370				108	16150	-79.9

NORMALS OF RADIOSONDE DATA

MONTH : OCTOBER TIME : 0530 IST STATION : GOA

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1002	1005	1000	24.5	27.4	20.0	23.3	038	0.9	2.2
1000	77	101	61	24.6	28.2	21.0	22.9	038	1.1	2.6
950	518	554	475	24.1	32.8	16.2	19.0	034	1.7	5.2
925	757	788	737	22.6	29.2	15.2	18.3	047	1.1	5.3
900	998	1027	977	21.6	30.0	13.0	15.2	046	1.8	5.9
850	1491	1521	1467	18.9	28.8	10.6	11.5	063	2.4	6.3
800	2009	2042	1981	15.6	26.0	7.0	8.3	077	3.0	6.3
750	2549	2588	2489	12.0	19.0	2.0	4.9	076	3.3	6.1
700	3127	3163	3089	8.6	17.6	-4.5	1.4	076	2.9	6.0
650	3736	3773	3689	5.6	18.0	-5.9	-2.8	073	2.3	5.5
600	4388	4429	4340	2.5	10.4	-7.0	-6.4	071	1.6	5.3
550	5085	5132	5012	-0.9	8.0	-11.0	-10.8	069	1.7	5.3
500	5843	5890	5779	-5.1	2.0	-13.0	-14.5	066	1.8	5.3
450	6662	6722	6574	-9.9	-2.0	-18.5	-19.8	066	2.0	5.4
400	7564	7626	7480	-15.6	-7.7	-23.0	-25.1	071	2.0	5.7
350	8560	8627	8479	-22.5	-14.7	-31.3	-31.4	083	1.9	5.9
300	9676	9747	9579	-30.8	-22.7	-45.5	-39.0	112	1.9	6.6
250	10944	11035	10840	-41.1	-33.1	-53.0		132	3.5	8.2
200	12423	12545	12311	-53.4	-44.7	-66.3		135	6.2	10.6
175	13270	13410	13163	-60.6	-50.7	-74.1		132	7.7	12.1
150	14215	14379	14091	-68.1	-58.1	-79.3		129	8.8	12.8
125	15291	15481	15147	-75.0	-59.0	-88.1		118	8.8	12.0
100	16570	16787	16402	-78.9	-63.3	-89.1		102	8.5	10.4
80	17859	18112	17694	-74.3	-61.1	-86.5		096	7.5	8.9
70	18639	18926	18466	-70.4	-58.9	-83.9		092	7.1	8.4
60	19568	19892	19367	-66.2	-54.1	-77.7		089	8.1	9.1
50	20676	21326	20436	-62.5	-51.1	-71.9		086	10.8	11.4
40	22051	22488	21601	-58.9	-46.1	-68.3				
30										
25										
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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
565	4880	5380	4260				105	16360	-80.3

NORMALS OF RADIOSONDE DATA

MONTH : NOVEMBER TIME : 0530 IST STATION : GOA

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1003	1005	1001	23.1	27.4	16.0	20.5	074	2.7	3.5
1000	87	105	71	23.4	28.4	18.0	20.0	075	3.0	3.9
950	529	549	483	24.2	34.4	15.4	13.7	082	4.6	6.1
925	768	778	760	22.9	28.2	17.0	12.8	083	5.1	6.3
900	1007	1022	989	21.3	30.4	13.0	10.4	090	5.3	6.8
850	1499	1514	1480	17.9	25.2	9.0	7.7	092	5.1	6.5
800	2015	2032	1994	14.3	22.0	4.0	4.8	090	4.4	5.9
750	2553	2578	2511	11.4	20.0	2.0	1.7	089	3.6	5.6
700	3129	3155	3103	8.8	16.6	1.0	-2.0	086	2.9	5.7
650	3739	3769	3704	6.0	15.0	-2.0	-5.0	075	2.8	5.9
600	4390	4424	4355	2.8	10.8	-4.5	-7.7	070	2.8	6.2
550	5088	5128	5039	-0.9	8.6	-8.0	-12.1	061	2.9	6.6
500	5845	5890	5800	-5.4	1.8	-13.0	-15.8	054	2.8	7.0
450	6662	6717	6597	-10.5	-3.3	-17.3	-20.6	045	2.1	7.2
400	7562	7628	7502	-16.4	-5.0	-23.7	-26.2	360	1.0	7.4
350	8553	8632	8477	-23.4	-14.5	-31.7	-32.6	288	1.7	7.7
300	9664	9767	9594	-31.8	-21.9	-39.9	-39.2	251	4.0	8.4
250	10927	11053	10849	-42.0	-31.9	-57.3		231	6.4	10.4
200	12401	12571	12315	-54.2	-43.0	-63.9		214	8.4	12.2
175	13245	13423	13153	-61.3	-49.9	-71.1		214	8.3	12.6
150	14182	14381	14084	-68.6	-57.1	-78.9		220	6.3	10.8
125	15251	15480	15142	-75.4	-61.9	-85.7		219	3.9	8.9
100	16522	16780	16200	-79.6	-65.5	-90.7		129	1.2	8.0
80	17788	18076	17559	-76.6	-62.9	-88.0		092	2.6	7.5
70	18567	18866	18288	-72.6	-57.3	-83.1		097	3.0	6.8
60	19477	19803	19216	-68.1	-54.7	-84.3		091	3.4	6.4
50	20582	20894	20366	-63.4	-50.1	-77.3		090	5.4	7.4
40	21969	22343	21764	-58.8	-47.1	-67.7		089	7.6	9.3
30										
25										
20										
15										
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FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
564	4900	5400	4540				103	16370	-81.0

NORMALS OF RADIOSONDE DATA

MONTH : DECEMBER TIME : 0530 IST STATION : GOA

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1005	1006	1003	21.7	27.0	16.4	18.1	079	3.5	4.1
1000	101	113	86	22.2	29.2	16.8	17.5	080	4.0	4.7
950	540	561	497	23.2	31.0	14.0	11.1	088	5.7	6.8
925	781	793	766	21.9	28.8	13.6	9.6	093	6.0	6.9
900	1017	1030	1001	20.4	28.0	10.0	8.0	094	5.8	7.1
850	1507	1520	1490	17.0	25.8	6.0	5.3	101	4.4	5.9
800	2021	2037	2001	14.0	23.8	2.0	1.2	105	3.3	5.1
750	2560	2579	2511	11.7	20.4	1.6	-2.7	101	2.5	5.1
700	3136	3157	3106	9.4	19.0	0.8	-6.4	087	1.7	5.3
650	3746	3775	3693	6.2	14.6	-4.9	-9.5	060	1.3	5.8
600	4398	4434	4358	2.5	12.4	-5.5	-12.7	027	0.8	6.0
550	5094	5141	5027	-1.7	8.0	-11.0	-16.5	332	0.6	6.6
500	5847	5901	5795	-6.3	4.6	-12.7	-19.0	283	1.5	7.1
450	6661	6725	6577	-11.6	-2.5	-18.7	-23.9	276	3.1	8.0
400	7556	7632	7489	-17.7	-8.7	-26.9		272	5.4	9.8
350	8541	8625	8465	-24.7	-13.1	-33.1		269	8.1	12.0
300	9648	9747	9568	-33.1	-24.5	-41.7		260	10.8	14.4
250	10903	11012	10813	-43.2	-33.3	-52.1		251	13.1	16.8
200	12368	12500	12255	-55.1	-44.7	-65.1		247	14.5	18.3
175	13210	13355	13084	-61.9	-50.7	-73.9		247	14.5	17.8
150	14146	14303	14011	-68.6	-56.3	-81.1		250	13.7	16.5
125	15217	15400	15086	-74.7	-61.1	-85.5		258	9.4	12.8
100	16494	16690	16355	-79.3	-65.5	-87.9		253	3.7	9.8
80	17754	17982	17612	-77.9	-63.1	-88.9		076	1.0	8.9
70	18525	18807	18372	-74.2	-57.5	-85.9		099	2.5	7.7
60	19433	19745	19262	-69.3	-54.3	-81.5		083	2.1	7.2
50	20528	20883	20345	-64.7	-48.5	-76.5		082	3.4	7.0
40	21899	22352	21601	-60.3	-44.5	-71.7				
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
569	4830	5380	4410				107	16550	-81.2

NORMALS OF RADIOSONDE DATA

MONTH : JANUARY TIME : 0530 IST STATION : GORAKHPUR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1005	1008	1003	10.7	17.6	5.0	8.9	271	0.4	0.8
1000	132	156	117	11.4	18.4	6.0	8.8	289	1.3	2.4
950	550	578	519	14.3	23.8	5.6	5.9	293	3.1	4.8
925	785	794	781	13.2	22.6	4.8	4.4	293	3.3	5.1
900	1020	1043	1003	12.7	21.6	3.2	1.0	289	3.5	5.3
850	1497	1520	1471	10.6	20.2	0.6	-3.7	288	4.6	6.3
800	2000	2025	1976	8.3	18.0	-2.5	-6.8	285	6.4	7.7
750	2528	2558	2509	5.7	17.0	-6.3	-9.5	283	8.6	9.6
700	3091	3119	3067	2.8	15.4	-10.3	-11.9	282	10.7	11.7
650	3683	3712	3652	-0.6	10.2	-14.1	-14.5	280	13.1	14.0
600	4323	4365	4287	-4.4	7.4	-17.3	-18.1	277	15.9	16.9
550	5009	5063	4957	-8.7	3.8	-22.5	-21.4	275	18.9	19.9
500	5735	5779	5679	-13.4	-1.5	-27.7	-25.9	273	22.5	23.8
450	6529	6574	6461	-18.7	-5.1	-31.5	-30.2	271	26.5	27.8
400	7397	7453	7317	-24.5	-8.9	-36.3	-34.8	270	30.1	31.8
350	8360	8439	8264	-30.7	-14.1	-42.3	-41.5	268	33.3	35.3
300	9439	9536	9313	-37.3	-21.7	-49.7		265	36.5	38.5
250	10678	10803	10511	-44.7	-29.7	-56.3		263	39.5	41.5
200	12147	12290	11943	-52.7	-37.5	-65.5		262	41.5	43.6
175	13001	13152	12783	-57.0	-41.7	-72.1		264	40.9	43.1
150	13962	14157	13743	-61.6	-46.3	-75.5		266	38.9	40.8
125	15072	15327	14861	-66.2	-50.1	-80.5				
100	16410	16730	16201	-70.0	-54.5	-82.5				
80	17729	18260	17512	-70.0	-52.9	-85.1				
70	18529	19110	18307	-68.2	-50.3	-80.5				
60	19444	20071	19251	-65.6	-48.1	-80.1				
50	20562	21245	20352	-62.1	-42.9	-75.5				
40	21925	22507	21709	-58.3	-41.5	-75.1				
30	23754	24370	23521	-54.7	-33.5	-69.9				
25	24918	25544	24627	-52.7	-32.9	-71.9				
20	26385	27126	26016	-50.4	-37.1	-63.3				
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
659	3580	4040	3090	197	12310	-57.9	101	16440	-71.7

NORMALS OF RADIOSONDE DATA

MONTH : FEBRUARY TIME : 0530 IST STATION : GORAKHPUR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1003	1005	998	13.0	19.4	7.0	10.5	277	0.8	1.4
1000	110	128	69	13.6	25.8	7.6	10.4	290	1.3	2.3
950	535	562	485	17.4	27.2	7.0	7.4	293	4.2	6.1
925	774	791	760	16.3	25.6	7.6	6.4	294	4.2	6.1
900	1007	1033	965	15.4	25.6	6.2	3.0	289	5.1	6.8
850	1488	1518	1444	12.8	23.0	2.8	-1.3	285	6.3	7.6
800	1995	2028	1949	10.0	19.8	0.4	-4.4	282	7.9	9.0
750	2524	2561	2484	6.9	16.4	-4.1	-6.8	281	9.7	10.6
700	3091	3129	3044	3.6	16.2	-5.3	-9.2	281	11.8	12.7
650	3684	3729	3648	-0.1	14.6	-9.9	-12.2	279	13.6	14.6
600	4324	4367	4278	-4.2	7.8	-13.9	-16.6	278	15.9	17.0
550	5010	5056	4948	-8.4	3.8	-19.1	-20.6	275	18.7	19.9
500	5738	5785	5668	-13.2	-2.9	-25.9	-24.7	273	22.2	23.5
450	6533	6581	6452	-18.4	-4.3	-30.9	-29.6	272	25.7	27.3
400	7400	7455	7316	-24.2	-11.3	-37.5	-34.8	270	28.9	31.0
350	8366	8431	8280	-30.2	-16.7	-45.5		270	32.8	35.1
300	9446	9532	9333	-36.9	-24.9	-55.5		269	36.6	39.2
250	10687	10807	10530	-44.1	-29.9	-61.9		269	38.6	41.6
200	12156	12309	11936	-52.1	-36.1	-67.3		268	41.4	44.3
175	13010	13179	12784	-56.3	-40.1	-66.9		266	42.0	44.9
150	13976	14168	13749	-60.9	-46.1	-73.7				
125	15090	15305	14848	-66.0	-52.1	-77.5				
100	16427	16691	16155	-70.0	-47.3	-81.5				
80	17749	18130	17440	-70.6	-46.3	-85.7				
70	18544	19009	18262	-68.9	-43.3	-81.9				
60	19469	19995	19236	-65.6	-38.7	-81.5				
50	20581	21115	20129	-61.7	-41.5	-78.3				
40	21978	22633	21458	-57.5	-38.7	-68.1				
30	23797	24706	23217	-54.5	-35.3	-64.7				
25	24957	25885	24347	-52.4	-38.3	-61.3				
20	26409	27351	26137	-50.5	-35.1	-59.3				
15	28323	29330	27996	-48.5	-34.3	-57.3				
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
651	3680	4190	3140				101	16480	-71.9

NORMALS OF RADIOSONDE DATA

MONTH : MARCH TIME : 0530 IST STATION : GORAKHPUR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	999	1002	996	17.6	26.0	10.4	13.0	276	1.2	2.0
1000	78	100	50	16.6	27.8	11.0	12.1	285	1.0	2.1
950	511	536	478	22.5	35.0	9.6	9.0	294	5.2	7.3
925	753	766	731	22.2	31.0	14.2	7.7	296	6.7	8.0
900	990	1004	965	20.4	34.6	7.4	4.6	292	6.9	8.4
850	1480	1496	1458	17.5	31.2	4.8	1.7	290	8.5	9.5
800	1996	2013	1976	14.3	28.2	2.0	-1.0	287	10.1	10.9
750	2531	2556	2511	10.7	21.8	-3.1	-4.0	285	11.9	12.7
700	3107	3128	3084	6.8	18.0	-6.3	-6.8	284	13.5	14.3
650	3703	3735	3670	2.7	13.8	-8.5	-9.7	281	15.1	16.0
600	4354	4380	4321	-1.5	9.2	-12.1	-13.5	280	16.5	17.6
550	5044	5073	5001	-6.1	4.8	-15.7	-17.9	279	18.4	19.4
500	5780	5822	5731	-11.1	-0.9	-20.5	-22.1	278	20.5	21.7
450	6582	6625	6526	-16.6	-6.5	-28.3	-27.3	276	23.3	24.5
400	7456	7521	7393	-22.8	-10.7	-38.3	-32.5	275	25.6	27.0
350	8427	8511	8357	-29.5	-15.3	-45.7	-38.7	274	27.8	29.4
300	9507	9594	9416	-37.0	-23.1	-52.1		273	30.4	32.6
250	10748	10855	10628	-44.8	-31.1	-57.3		273	33.6	36.4
200	12218	12370	12091	-52.1	-38.7	-66.7		273	36.6	39.8
175	13074	13241	12936	-56.1	-42.9	-68.3		272	37.8	40.6
150	14042	14237	13895	-60.6	-46.7	-72.5		273	37.1	39.6
125	15162	15385	15004	-65.5	-48.1	-86.1		272	35.2	37.1
100	16496	16755	16313	-70.1	-54.5	-85.3		272	31.4	33.5
80	17820	18107	17606	-70.4	-54.3	-84.9		273	24.4	26.3
70	18614	18916	18382	-68.6	-50.9	-81.7		269	18.9	21.6
60	19540	19841	19293	-64.9	-47.7	-78.1				
50	20663	20976	20393	-60.2	-44.1	-75.1				
40	22065	22379	21785	-55.9	-39.1	-69.9				
30	23900	24266	23481	-51.7	-36.7	-67.9				
25	25071	25469	24660	-49.4	-35.5	-66.1				
20	26524	27072	26176	-47.5	-33.1	-64.3				
15	28437	29010	28012	-45.5	-25.7	-63.5				
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
619	4100	4570	3580	203	12220	-56.7	098	16680	-72.0

NORMALS OF RADIOSONDE DATA

MONTH : APRIL TIME : 0530 IST STATION : GORAKHPUR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	995	999	993	22.7	29.4	14.8	15.1	043	0.2	2.3
1000	46	73	20							
950	489	524	444	27.1	37.6	11.8	11.4	305	2.4	7.8
925	738	759	714	27.2	36.4	15.8	10.9	300	3.3	7.6
900	973	1000	944	25.5	35.4	9.6	8.4	294	4.6	8.3
850	1473	1499	1442	22.3	34.8	11.0	5.6	290	7.2	9.1
800	1996	2021	1962	18.6	30.8	8.2	3.0	288	9.2	10.1
750	2539	2569	2501	14.5	26.2	4.8	-0.1	286	11.3	12.0
700	3122	3147	3087	10.1	21.4	-0.5	-3.4	285	13.0	13.7
650	3727	3757	3687	5.5	17.0	-5.5	-7.2	283	14.4	15.1
600	4382	4405	4349	0.9	12.8	-8.3	-11.0	281	15.5	16.4
550	5078	5102	5054	-3.9	9.4	-13.1	-16.0	281	16.3	17.2
500	5819	5846	5791	-9.0	6.0	-17.7	-20.5	279	17.3	18.3
450	6626	6658	6600	-14.5	2.2	-23.5	-25.8	277	18.2	19.5
400	7511	7556	7473	-20.7	-2.3	-30.1	-31.2	275	19.5	20.9
350	8487	8556	8437	-27.7	-15.1	-39.1	-37.8	273	21.7	23.2
300	9574	9642	9511	-35.3	-21.9	-48.7	-44.5	270	23.7	25.5
250	10821	10900	10742	-43.4	-29.3	-57.9		267	25.8	27.9
200	12295	12389	12198	-51.2	-32.9	-68.7		264	28.8	31.2
175	13153	13269	13046	-55.4	-42.5	-69.5		263	29.6	31.8
150	14125	14252	14012	-60.1	-46.1	-72.7		263	29.0	31.0
125	15245	15395	15103	-65.4	-50.1	-78.3		261	26.6	28.4
100	16585	16773	16381	-70.0	-52.9	-84.1		260	21.7	23.8
80	17908	18184	17727	-70.4	-50.1	-81.3		260	13.1	16.7
70	18707	19017	18523	-68.3	-50.3	-80.3		265	10.0	13.7
60	19640	19984	19446	-64.3	-47.9	-76.9		269	6.2	10.6
50	20765	21107	20568	-59.5	-43.9	-73.7		285	3.0	9.4
40	22176	22482	21981	-54.4	-41.5	-65.3		319	1.4	8.2
30	24042	24379	23838	-49.5	-35.3	-61.1		351	1.1	7.8
25	25233	25631	25010	-47.2	-31.1	-60.3		317	1.3	8.8
20	26720	27162	26452	-44.9	-29.9	-56.7		306	2.3	8.8
15	28624	29148	28353	-43.1	-30.5	-56.7				
10	31395	31809	31022	-40.6	-29.5	-54.7				
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
590	4500	4830	4290				098	16750	-72.0

NORMALS OF RADIOSONDE DATA

MONTH : MAY TIME : 0530 IST STATION : GORAKHPUR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	993	996	991	25.9	32.8	19.0	20.5	086	1.9	2.5
1000	22	50	3							
950	467	493	433	28.4	40.0	18.2	18.8	098	3.1	7.3
925	713	722	705	28.5	39.0	14.6	17.7	107	1.3	6.6
900	956	984	930	26.8	38.0	14.2	15.4	118	0.5	6.9
850	1459	1491	1430	24.1	34.4	12.0	11.8	287	3.1	6.9
800	1987	2018	1957	20.7	30.0	9.8	8.4	291	5.8	7.8
750	2536	2557	2483	16.8	25.8	5.8	4.9	291	8.6	9.7
700	3124	3151	3091	12.4	22.8	1.2	0.7	292	10.7	11.9
650	3735	3760	3693	7.9	17.0	-4.1	-3.3	290	12.0	13.0
600	4395	4419	4360	3.2	13.0	-8.5	-7.9	289	12.4	13.4
550	5101	5131	5061	-1.1	8.8	-13.7	-13.1	288	12.6	13.8
500	5848	5880	5814	-5.7	4.0	-20.5	-18.3	285	12.5	13.9
450	6668	6698	6632	-10.8	-0.5	-27.1	-23.2	280	12.7	14.5
400	7561	7592	7521	-16.7	-6.3	-33.9	-28.5	275	13.3	15.4
350	8555	8610	8502	-23.2	-10.9	-41.7	-34.5	271	14.7	17.0
300	9664	9712	9599	-30.4	-16.7	-49.1		267	17.0	19.3
250	10938	11003	10852	-38.9	-23.7	-54.1		261	19.4	21.8
200	12436	12540	12333	-48.7	-37.5	-64.3		259	21.2	23.5
175	13304	13415	13205	-54.2	-44.1	-67.7		256	21.2	23.5
150	14280	14397	14172	-60.1	-47.9	-71.7		253	19.8	22.1
125	15403	15539	15266	-66.3	-49.5	-78.9		253	16.7	19.0
100	16731	16917	16570	-71.5	-53.7	-82.1		254	12.0	14.9
80	18045	18221	17846	-72.1	-51.1	-85.5		250	4.9	9.9
70	18841	19114	18611	-69.4	-46.9	-84.9		249	1.7	8.6
60	19763	20035	19511	-64.7	-44.1	-79.1		093	0.9	8.0
50	20891	21212	20609	-59.0	-39.1	-75.1		081	3.1	7.5
40	22307	22637	21981	-53.7	-35.5	-69.9		079	4.3	7.4
30	24170	24570	23813	-49.0	-32.1	-60.7		073	4.0	7.6
25	25370	25914	25000	-46.5	-30.5	-57.9		075	4.1	7.8
20	26841	27594	26462	-44.5	-30.3	-55.5		072	3.0	7.6
15	28752	29227	28309	-42.6	-26.1	-54.1		076	2.8	7.6
10	31555	32200	30926	-39.3	-27.5	-52.9				
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
561	4940	5390	4620				096	17010	-73.8

NORMALS OF RADIOSONDE DATA

MONTH : JUNE TIME : 0530 IST STATION : GORAKHPUR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	989	991	985	27.7	36.2	21.2	24.4	086	1.9	2.3
1000	11	26	0							
950	432	463	396	28.4	37.8	18.0	23.1	097	3.8	6.7
925	686	700	668	27.7	34.8	21.4	22.1	103	3.5	6.6
900	925	943	905	26.6	38.8	15.8	20.0	114	2.5	6.7
850	1429	1447	1406	24.0	34.2	14.4	16.9	143	0.6	6.6
800	1957	1975	1930	20.9	29.8	6.0	13.9	295	1.8	7.3
750	2512	2530	2473	17.3	27.2	9.2	10.3	298	3.3	7.9
700	3098	3119	3062	13.6	24.2	6.4	6.3	298	4.5	8.4
650	3719	3743	3670	9.8	21.8	3.0	1.9	294	5.0	8.7
600	4379	4408	4337	6.0	18.8	-3.5	-2.3	292	4.7	8.3
550	5101	5145	5068	2.3	13.0	-6.3	-6.6	288	4.3	7.8
500	5851	5890	5797	-1.8	8.2	-11.9	-10.9	278	4.1	7.6
450	6691	6742	6655	-6.3	4.0	-22.1	-15.2	268	4.0	7.9
400	7596	7663	7536	-11.5	-2.5	-22.3	-20.7	261	4.2	8.4
350	8611	8677	8555	-17.4	-6.9	-27.5	-26.9	257	5.0	9.3
300	9748	9834	9671	-25.0	-16.1	-34.3	-33.4	252	5.6	10.0
250	11049	11166	10950	-34.6	-24.9	-42.9	-42.0	245	5.8	10.6
200	12569	12706	12450	-46.6	-35.7	-56.5		241	5.8	11.1
175	13442	13587	13312	-53.4	-40.1	-64.1		241	5.6	11.1
150	14416	14569	14280	-60.9	-49.5	-74.3		238	4.6	10.7
125	15524	15723	15371	-68.5	-55.1	-81.1		228	2.7	9.9
100	16836	17072	16683	-74.1	-57.9	-87.1		106	1.5	9.3
80	18135	18440	17977	-73.1	-52.1	-86.7		080	5.4	9.7
70	18930	19285	18756	-69.3	-45.5	-81.5		081	7.6	10.3
60	19851	20246	19665	-64.1	-42.3	-78.5		083	9.9	11.5
50	20979	21416	20772	-58.3	-31.1	-75.5		085	11.0	12.1
40	22387	22926	22154	-53.6	-33.5	-69.1		086	11.8	12.9
30	24253	24862	23985	-48.9	-31.1	-60.9		084	13.8	14.9
25	25428	26097	25165	-46.9	-32.1	-61.1		085	14.5	15.6
20	26920	27652	26618	-44.6	-25.5	-60.3		086	15.1	16.1
15	28823	29621	28515	-42.7	-24.1	-56.7		088	15.7	16.9
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
523	5520	6150	5060				099	16970	-75.5

NORMALS OF RADIOSONDE DATA

MONTH : JULY TIME : 0530 IST STATION : GORAKHPUR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	989	990	987	27.3	32.0	24.2	25.3	088	1.3	1.8
1000	11	23	0							
950	428	456	389	26.9	37.2	19.8	24.4	100	3.6	6.3
925	679	692	669	26.1	31.6	19.0	23.3	105	3.5	6.7
900	921	934	910	24.8	35.8	17.0	22.0	110	3.3	7.1
850	1422	1437	1411	22.2	32.4	11.6	19.3	111	2.8	7.7
800	1948	1965	1933	19.4	28.2	11.4	16.3	103	2.1	7.9
750	2503	2521	2470	16.4	24.2	8.4	13.1	102	1.8	7.8
700	3087	3107	3056	13.4	20.6	4.8	9.6	099	1.5	7.5
650	3712	3729	3667	10.4	17.4	2.0	5.5	100	1.4	7.2
600	4372	4391	4323	7.1	15.0	-2.3	1.3	099	1.4	6.9
550	5096	5132	5040	3.4	11.8	-5.9	-2.9	097	1.5	6.4
500	5851	5874	5795	-0.6	9.4	-9.3	-7.1	102	1.9	6.3
450	6694	6736	6633	-5.1	3.8	-14.5	-11.9	104	2.3	6.3
400	7605	7638	7548	-10.3	-2.1	-19.5	-17.5	104	3.2	6.4
350	8622	8667	8559	-16.5	-8.7	-28.9	-24.9	099	3.9	6.9
300	9766	9814	9702	-24.2	-15.9	-38.1	-32.7	094	4.6	7.4
250	11071	11149	11007	-34.0	-23.3	-51.3	-42.3	089	5.8	8.5
200	12596	12692	12507	-46.8	-33.9	-63.5	-53.6	082	6.8	9.7
175	13469	13593	13364	-54.0	-39.7	-70.3		077	7.5	10.5
150	14438	14598	14318	-61.9	-48.1	-78.1		077	8.4	11.2
125	15543	15749	15399	-69.5	-56.1	-87.3		072	10.2	12.7
100	16854	17128	16684	-74.7	-61.1	-89.7		072	12.4	14.3
80	18150	18486	17959	-72.4	-53.9	-85.7		070	15.1	16.5
70	18945	19324	18736	-69.0	-51.9	-82.7		072	16.3	17.4
60	19867	20294	19650	-64.0	-47.9	-79.1		076	16.7	17.5
50	20990	21479	20753	-58.7	-39.1	-77.3		080	16.9	17.7
40	22401	22965	22133	-54.6	-39.5	-69.5		080	17.1	17.8
30	24250	24832	23937	-50.4	-36.5	-67.1		081	20.3	20.8
25	25443	26055	25120	-48.1	-33.1	-60.5		082	21.9	22.4
20	26906	27648	26630	-46.0	-31.1	-59.3		084	24.6	25.2
15	28809	29628	28569	-43.8	-27.1	-54.9		085	25.4	26.2
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
507	5750	6110	5370				102	16740	-76.0

NORMALS OF RADIOSONDE DATA

MONTH : AUGUST TIME : 0530 IST STATION : GORAKHPUR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	991	992	989	27.1	35.6	24.0	25.7	085	1.2	1.8
1000	7	19	0							
950	441	471	399	26.9	35.4	20.0	24.5	096	3.8	6.6
925	695	708	663	26.1	33.8	17.8	23.9	103	3.8	6.6
900	936	950	919	24.8	32.8	14.2	22.1	103	4.2	7.6
850	1437	1453	1418	22.2	29.6	12.0	19.0	103	4.3	7.9
800	1963	1982	1944	19.4	28.2	9.0	15.9	100	4.2	7.9
750	2517	2539	2483	16.5	26.4	5.8	12.7	098	4.1	7.6
700	3103	3129	3078	13.6	23.2	3.8	9.2	099	3.7	7.2
650	3724	3754	3690	10.5	18.8	1.0	5.1	100	3.6	6.8
600	4387	4422	4356	7.1	16.0	-4.1	1.2	102	3.4	6.4
550	5111	5144	5084	3.3	12.0	-8.1	-2.7	101	3.1	5.9
500	5867	5912	5832	-0.8	9.2	-11.9	-7.4	100	3.2	5.7
450	6706	6751	6666	-5.4	4.2	-16.1	-12.5	101	3.5	5.7
400	7621	7669	7577	-10.7	-2.3	-20.1	-18.2	099	3.8	6.0
350	8638	8686	8592	-17.1	-8.9	-26.1	-25.1	095	4.0	6.4
300	9777	9827	9719	-24.8	-14.9	-37.3	-33.2	093	4.8	7.1
250	11078	11129	10995	-34.7	-22.1	-49.9	-43.2	089	6.0	8.4
200	12596	12687	12517	-47.5	-32.1	-66.7	-54.7	084	6.5	9.5
175	13464	13570	13369	-54.9	-43.3	-73.1		081	7.1	10.2
150	14432	14562	14319	-62.8	-49.9	-77.3		078	8.1	11.0
125	15534	15703	15411	-70.2	-54.3	-85.1		077	10.0	12.4
100	16844	17012	16700	-74.3	-59.7	-87.1		074	12.1	13.7
80	18148	18346	17968	-71.2	-51.1	-82.9		076	14.2	15.1
70	18947	19188	18743	-67.3	-45.3	-82.1		076	14.8	15.5
60	19880	20125	19658	-62.5	-42.9	-78.7		078	15.5	16.2
50	21010	21286	20770	-58.4	-41.7	-72.3		079	16.3	16.7
40	22421	22812	22156	-54.4	-37.9	-67.3		081	17.7	18.1
30	24273	24861	23977	-50.5	-33.5	-63.1		081	20.2	20.8
25	25453	26000	25144	-48.7	-32.7	-60.9		081	22.0	22.6
20	26927	27588	26595	-46.4	-30.9	-58.9		082	24.1	24.6
15	28845	29783	28446	-44.7	-27.1	-56.7		084	25.4	26.0
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
509	5730	6040	5280				105	16570	-75.6

NORMALS OF RADIOSONDE DATA

MONTH : SEPTEMBER TIME : 0530 IST STATION : GORAKHPUR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	994	996	992	26.0	29.2	21.0	24.4	087	1.2	1.8
1000	37	48	29							
950	472	502	436	26.3	35.0	19.8	22.8	095	3.0	6.2
925	725	738	689	25.5	32.8	19.2	21.5	097	3.5	6.3
900	968	980	955	24.1	32.8	17.6	19.9	106	3.0	7.1
850	1467	1481	1451	21.5	29.8	12.2	16.9	103	2.5	7.3
800	1991	2007	1973	18.7	27.2	9.2	13.3	099	2.2	7.3
750	2539	2560	2513	15.7	24.2	7.4	9.5	098	2.1	7.3
700	3125	3145	3100	12.5	20.8	4.6	5.9	103	1.9	6.8
650	3744	3771	3714	9.2	19.0	0.8	1.9	112	1.8	6.6
600	4403	4428	4369	5.8	15.0	-4.1	-2.1	127	1.8	6.5
550	5123	5165	5074	2.0	12.2	-7.7	-6.2	156	1.5	6.2
500	5874	5907	5829	-2.1	8.6	-10.9	-10.7	179	1.6	6.3
450	6710	6757	6648	-6.9	5.8	-16.1	-15.8	203	2.0	6.7
400	7616	7669	7544	-12.2	-1.3	-23.3	-21.3	218	2.5	6.9
350	8625	8698	8536	-18.8	-8.3	-30.3	-28.3	226	3.0	7.6
300	9757	9837	9649	-26.6	-14.3	-38.7	-35.7	231	3.4	8.2
250	11047	11150	10918	-36.5	-24.3	-48.9	-45.2	234	4.0	9.2
200	12556	12683	12401	-48.9	-37.1	-60.9		238	3.9	10.1
175	13419	13566	13250	-56.0	-43.9	-69.9		239	3.9	10.4
150	14383	14550	14196	-63.5	-50.1	-74.3		238	3.2	10.3
125	15480	15711	15277	-70.6	-50.5	-84.1		234	2.2	9.9
100	16782	17023	16565	-75.0	-61.1	-85.5		109	1.1	8.6
80	18079	18355	17851	-71.7	-54.1	-88.1		082	4.3	8.1
70	18883	19221	18634	-67.7	-49.1	-82.7		078	5.8	8.5
60	19809	20164	19561	-62.9	-41.7	-77.7		080	7.4	9.2
50	20941	21362	20671	-58.4	-38.3	-73.7		079	9.1	10.5
40	22354	22793	22060	-54.2	-31.9	-69.1		079	11.1	12.1
30	24204	24681	23889	-50.5	-28.9	-64.9		083	13.6	14.4
25	25371	25915	25082	-48.8	-33.3	-62.1		086	14.6	15.6
20	26834	27434	26547	-46.7	-32.1	-61.1		087	15.9	16.9
15	28745	29460	28451	-44.5	-28.5	-59.9		089	16.5	17.7
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
525	5490	5960	4930				104	16590	-76.2

NORMALS OF RADIOSONDE DATA

MONTH : OCTOBER TIME : 0530 IST STATION : GORAKHPUR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1000	1004	997	22.0	29.0	14.6	20.0	039	0.1	0.4
1000	84	117	63	21.0	27.6	15.2	18.3	293	0.3	1.1
950	518	565	481	24.9	35.4	14.2	15.9	302	0.8	3.7
925	766	798	743	24.0	33.4	17.0	14.7	312	0.9	3.4
900	1007	1035	984	22.3	31.2	10.8	11.9	301	1.2	3.9
850	1501	1527	1481	19.1	27.6	10.2	7.5	299	1.7	4.4
800	2019	2043	2002	16.0	24.4	7.4	3.4	298	1.9	4.9
750	2559	2592	2539	12.7	21.4	3.6	-0.9	296	2.1	5.2
700	3139	3171	3121	9.4	19.4	0.0	-4.1	288	2.6	5.6
650	3745	3785	3726	6.0	14.8	-4.1	-7.8	281	3.5	6.1
600	4401	4439	4375	2.5	11.0	-7.7	-11.4	275	4.7	6.9
550	5107	5157	5069	-1.4	8.0	-12.3	-13.3	270	6.4	8.3
500	5851	5895	5817	-5.9	3.6	-17.3	-17.4	268	8.5	10.4
450	6669	6724	6623	-10.9	-0.3	-22.3	-21.6	265	11.2	12.9
400	7565	7626	7499	-16.7	-4.1	-28.9	-25.9	264	14.1	15.8
350	8557	8632	8466	-23.2	-9.1	-34.5		261	17.3	18.8
300	9666	9750	9547	-30.9	-17.3	-44.5		258	20.5	22.1
250	10935	11026	10781	-40.2	-28.1	-54.1		256	23.0	24.6
200	12421	12529	12232	-51.5	-35.7	-63.5		254	25.0	26.5
175	13276	13405	13073	-57.9	-41.5	-70.5		254	24.0	25.5
150	14230	14383	14024	-64.5	-48.1	-75.1		254	22.2	23.9
125	15322	15500	15127	-70.8	-53.3	-83.1		255	19.2	20.8
100	16628	16831	16453	-74.1	-59.1	-85.7		257	13.3	15.3
80	17935	18162	17777	-70.9	-55.7	-82.9		260	7.2	10.7
70	18739	19020	18559	-66.9	-51.7	-79.9		270	3.9	8.4
60	19668	19960	19482	-62.4	-46.9	-74.7		286	1.7	7.6
50	20798	21158	20598	-58.3	-38.7	-71.1		045	0.9	6.5
40	22211	22633	21984	-54.7	-39.9	-70.3		064	2.1	7.0
30	24059	24539	23808	-51.1	-32.9	-67.9		073	2.3	7.5
25	25231	25813	24964	-49.1	-30.5	-66.9		082	2.7	8.1
20	26678	27369	26408	-47.6	-29.1	-66.1		076	1.9	8.0
15	28527	29392	28225	-46.3	-34.5	-64.9		118	0.3	9.6
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
569	4840	5440	4110				108	16240	-74.8

NORMALS OF RADIOSONDE DATA

MONTH : NOVEMBER TIME : 0530 IST STATION : GORAKHPUR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1004	1005	1002	16.2	23.0	10.0	13.8	281	0.1	0.2
1000	117	132	102	16.8	23.2	10.6	13.7	306	0.5	1.2
950	545	572	511	20.9	32.0	10.2	9.1	300	2.1	3.8
925	789	803	774	19.9	30.4	7.4	8.1	302	2.2	3.7
900	1024	1038	1009	18.2	28.6	6.4	5.1	299	2.2	4.0
850	1511	1524	1494	15.3	25.6	5.0	1.0	296	2.3	4.6
800	2022	2035	2004	12.4	23.2	2.2	-3.1	296	2.7	5.3
750	2557	2578	2533	9.6	21.2	0.4	-6.4	291	3.6	6.4
700	3129	3153	3108	6.8	18.8	-4.1	-9.2	287	5.0	7.4
650	3730	3772	3698	3.6	16.2	-5.7	-12.9	283	7.0	8.9
600	4378	4429	4354	0.1	13.8	-9.5	-15.5	280	9.3	10.9
550	5077	5152	5042	-4.2	10.0	-15.1	-17.7	278	12.1	13.6
500	5814	5899	5781	-9.1	5.6	-19.7		276	15.1	16.5
450	6618	6734	6572	-14.5	1.0	-25.7		274	18.5	20.0
400	7503	7631	7434	-20.8	-5.9	-32.3		272	22.1	23.7
350	8478	8621	8384	-27.4	-12.9	-40.7		269	26.5	28.2
300	9571	9760	9449	-34.7	-21.1	-45.5		267	30.9	32.8
250	10822	11061	10681	-43.1	-28.3	-54.3		264	34.1	36.2
200	12294	12573	12135	-52.8	-41.7	-64.5		262	35.7	37.9
175	13143	13443	12972	-58.2	-45.3	-70.3		261	35.5	37.7
150	14101	14448	13937	-63.9	-50.3	-76.7		261	34.3	36.6
125	15203	15594	15040	-68.9	-50.1	-85.1		261	30.2	32.1
100	16522	16923	16353	-72.1	-53.9	-84.9		263	21.7	23.8
80	17830	18261	17687	-71.0	-55.1	-86.3		267	15.0	18.0
70	18630	19081	18489	-68.2	-50.1	-80.7		272	10.6	14.2
60	19558	20015	19408	-64.4	-47.7	-78.1		277	7.7	10.9
50	20678	21141	20506	-60.1	-43.9	-75.7		291	4.2	8.8
40	22080	22574	21885	-55.9	-40.1	-75.7		295	3.8	7.5
30	23912	24511	23703	-52.3	-38.5	-75.1		284	3.6	8.2
25	25079	25700	24872	-50.5	-37.7	-72.3				
20	26550	27278	26312	-48.5	-34.5	-70.1				
15	28401	29055	28085	-47.1	-29.7	-67.9				
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
602	4370	5530	3860				105	16280	-73.3

NORMALS OF RADIOSONDE DATA

MONTH : DECEMBER TIME : 0530 IST STATION : GORAKHPUR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1006	1007	1003	12.0	17.6	6.0	10.2	289	0.1	0.3
1000	137	148	110	12.9	19.0	6.0	9.9	300	1.1	1.8
950	558	580	515	16.5	25.4	4.8	6.5	299	2.3	3.9
925	798	804	788	15.2	23.8	6.0	4.1	302	2.4	3.5
900	1032	1043	1010	14.3	24.8	4.0	1.8	296	2.3	4.2
850	1512	1527	1491	12.0	24.8	2.4	-2.8	293	3.1	5.1
800	2017	2037	1999	9.8	21.8	0.0	-6.8	291	4.4	6.3
750	2548	2577	2522	7.6	19.0	-3.9	-9.4	290	6.3	8.0
700	3115	3150	3094	5.0	16.8	-6.9	-12.4	289	8.5	9.9
650	3713	3749	3690	1.9	14.0	-9.7	-15.2	286	10.9	12.1
600	4358	4405	4329	-1.8	10.8	-14.5	-17.9	283	13.4	14.5
550	5050	5117	5007	-6.2	6.0	-18.9	-20.9	280	16.2	17.3
500	5783	5858	5735	-11.2	1.8	-22.9	-24.9	277	19.4	20.6
450	6581	6665	6522	-16.7	-3.9	-29.7	-29.3	275	23.1	24.5
400	7458	7570	7380	-22.8	-9.5	-37.1		274	26.1	27.7
350	8423	8551	8326	-29.6	-16.7	-43.9		271	29.3	30.9
300	9508	9655	9384	-37.1	-22.1	-57.1		269	33.0	35.0
250	10746	10919	10594	-45.5	-27.7	-58.9		269	35.7	37.9
200	12201	12412	12041	-54.5	-35.7	-65.9		265	38.0	40.1
175	13045	13292	12888	-58.9	-39.9	-70.7		266	38.8	40.6
150	14004	14285	13845	-63.3	-45.1	-75.7		265	37.0	38.5
125	15111	15441	14915	-67.8	-47.7	-78.5		265	33.7	34.8
100	16442	16810	16215	-71.3	-56.3	-83.9		267	28.7	30.1
80	17757	18182	17524	-71.5	-53.1	-84.9		266	21.9	22.8
70	18553	19001	18293	-69.7	-51.3	-83.1				
60	19470	19959	19182	-66.4	-44.1	-79.1				
50	20573	21097	20291	-62.7	-43.9	-77.5				
40	21964	22451	21661	-58.6	-40.9	-71.5				
30	23777	24326	23486	-54.5	-36.1	-67.5				
25	24924	25545	24490	-52.8	-35.5	-65.9				
20	26380	27124	26124	-50.6	-33.9	-63.9				
15	28228	29060	27954	-48.4	-35.3	-62.1				
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
626	4030	4840	3520				102	16390	-73.1

NORMALS OF RADIOSONDE DATA

MONTH : JANUARY TIME : 0530 IST STATION : GUWAHATI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1010	1012	1008	11.9	20.8	6.4	11.0	085	0.1	0.2
1000	132	150	117	12.7	18.8	6.8	10.9	090	0.4	1.2
950	561	582	545	14.3	22.4	7.2	9.4	088	1.2	3.1
925	789	807	779	13.2	18.6	6.2	7.8	083	1.3	3.2
900	1021	1040	1005	11.9	20.2	5.2	6.1	078	1.3	3.8
850	1497	1519	1480	8.7	16.2	2.2	2.4	086	0.7	4.2
800	1997	2021	1977	5.6	13.2	-0.5	-1.9	229	0.4	4.8
750	2521	2546	2497	2.6	11.2	-4.1	-6.5	267	2.7	5.8
700	3077	3106	3054	0.0	12.8	-6.7	-10.7	274	7.1	9.0
650	3669	3699	3629	-2.2	12.6	-10.0	-14.6	274	12.7	13.9
600	4302	4339	4271	-4.7	10.4	-14.0	-18.2	272	17.9	18.8
550	4983	5022	4944	-8.4	6.4	-19.9	-21.5	272	21.5	22.4
500	5717	5765	5671	-13.0	1.0	-24.3	-26.2	272	24.7	25.6
450	6513	6579	6453	-18.3	-3.7	-31.1	-30.5	271	28.5	29.6
400	7383	7463	7320	-24.1	-8.7	-39.5	-35.6	270	32.7	34.2
350	8346	8442	8273	-30.4	-16.0	-45.5	-41.0	269	37.8	39.7
300	9427	9557	9338	-37.2	-22.5	-51.1	-47.1	268	43.1	45.2
250	10666	10825	10562	-44.8	-31.7	-62.5		264	47.5	49.6
200	12131	12313	12014	-53.6	-43.3	-68.1		262	48.0	49.9
175	12980	13169	12840	-58.2	-47.9	-71.5		262	46.2	47.9
150	13939	14134	13784	-63.2	-52.1	-74.9		263	43.2	44.6
125	15048	15261	14876	-68.2	-57.1	-80.9		263	37.2	38.4
100	16375	16576	16176	-72.4	-59.9	-83.1		265	29.7	30.7
80	17681	17879	17449	-72.9	-60.1	-86.0		266	20.8	22.0
70	18471	18668	18215	-71.1	-56.1	-87.1		268	16.8	17.8
60	19391	19595	19149	-67.2	-49.7	-82.0		271	12.8	14.6
50	20509	20720	20266	-62.1	-46.9	-76.0		272	9.3	12.1
40	21909	22140	21584	-58.0	-45.1	-76.0		274	7.1	10.3
30	23759	24000	23427	-53.7	-40.1	-66.1		269	7.4	10.7
25	24930	25160	24653	-52.1	-39.1	-63.3		271	8.5	11.8
20	26385	26635	26196	-50.4	-37.5	-60.7		267	11.5	14.3
15	28272	28618	28011	-48.2	-37.5	-58.7				
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
694	3160	3860	2420	215	11770	-57.0	099	16520	-74.4

NORMALS OF RADIOSONDE DATA

MONTH : FEBRUARY TIME : 0530 IST STATION : GUWAHATI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1008	1010	1004	13.5	20.0	7.0	11.9	104	0.1	0.5
1000	114	139	83	14.0	24.0	7.8	11.6	109	0.2	1.1
950	546	568	515	16.0	23.4	9.0	9.1	228	0.6	3.5
925	778	791	768	15.1	22.8	8.6	8.0	247	0.5	3.3
900	1008	1031	973	13.6	21.2	7.0	6.1	260	1.8	4.4
850	1486	1512	1451	10.3	18.2	3.8	3.0	258	3.1	5.4
800	1988	2020	1951	6.8	16.2	-2.0	-0.8	258	4.7	6.6
750	2514	2556	2474	3.6	13.8	-5.5	-5.3	264	7.3	8.6
700	3073	3122	3029	0.6	9.8	-7.5	-9.4	270	10.8	11.9
650	3664	3723	3619	-2.1	9.4	-11.7	-13.1	271	14.9	15.9
600	4299	4365	4249	-4.8	8.4	-16.9	-16.7	271	18.7	19.6
550	4979	5051	4926	-8.4	5.0	-23.1	-20.6	271	21.6	22.5
500	5713	5788	5650	-12.9	1.2	-28.9	-25.0	270	24.3	25.2
450	6507	6587	6431	-18.2	-2.5	-35.9	-29.4	270	27.8	29.0
400	7380	7458	7291	-24.1	-9.5	-41.7	-34.4	268	31.4	33.0
350	8342	8418	8224	-30.4	-15.7	-46.1	-40.2	267	35.9	37.8
300	9424	9506	9296	-37.1	-23.7	-53.5	-45.9	266	40.7	43.0
250	10664	10759	10530	-44.5	-32.1	-60.1		264	44.8	47.3
200	12134	12260	11974	-53.0	-40.3	-68.1		262	45.9	47.9
175	12987	13130	12808	-57.8	-45.1	-68.1		262	44.6	46.3
150	13946	14098	13751	-62.9	-49.9	-76.1		262	41.4	42.8
125	15052	15279	14850	-68.2	-54.1	-80.1		263	35.7	37.0
100	16371	16598	16159	-72.7	-56.7	-86.1		265	29.5	30.5
80	17674	17953	17443	-73.5	-57.9	-85.3		267	21.7	22.9
70	18462	18757	18213	-71.7	-55.1	-84.7		268	17.6	18.8
60	19380	19687	19120	-68.2	-53.1	-79.7		271	13.8	15.3
50	20487	21057	20220	-63.0	-49.3	-80.1		277	9.7	12.6
40	21875	22460	21598	-59.0	-41.9	-80.3		276	7.7	10.5
30	23699	24294	23274	-55.1	-45.1	-71.9		270	6.9	9.8
25	24857	25476	24442	-53.2	-39.3	-70.1		269	7.9	10.7
20	26302	26948	26184	-51.4	-39.7	-66.7		267	9.4	11.7
15	28172	28873	28051	-49.5	-38.5	-62.7				
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
686	3250	4150	2400	253	10870	-51.0	098	16570	-74.7

NORMALS OF RADIOSONDE DATA

MONTH : MARCH TIME : 0530 IST STATION : GUWAHATI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1005	1007	1001	17.2	26.0	10.0	14.6	074	0.3	0.9
1000	90	112	58	17.5	26.0	9.2	14.3	074	0.5	1.3
950	528	544	501	19.6	28.8	11.0	11.3	232	0.4	4.1
925	757	772	732	19.0	25.8	12.8	10.2	249	1.9	4.3
900	995	1012	968	17.6	24.8	9.0	8.3	257	3.2	5.3
850	1481	1498	1457	14.3	24.0	6.2	5.2	255	5.7	7.0
800	1990	2009	1969	10.7	22.2	2.8	1.9	259	7.7	8.7
750	2521	2543	2503	7.1	16.4	-0.7	-2.4	263	9.9	10.8
700	3088	3107	3066	3.6	14.0	-4.9	-6.3	268	12.7	13.4
650	3685	3709	3657	0.3	10.0	-8.7	-10.1	271	15.5	16.2
600	4325	4347	4296	-2.9	8.2	-11.7	-14.2	272	17.5	18.4
550	5010	5037	4972	-6.6	4.8	-16.0	-18.2	273	19.0	20.0
500	5749	5777	5707	-11.2	1.4	-23.0	-23.3	272	20.3	21.5
450	6549	6584	6500	-16.8	-4.3	-30.0	-28.3	270	21.8	23.2
400	7424	7466	7364	-23.2	-11.3	-36.0	-33.6	269	24.4	26.1
350	8389	8440	8317	-30.0	-15.9	-42.0	-39.8	267	28.0	30.0
300	9471	9533	9368	-37.3	-24.1	-50.7	-46.3	265	32.7	35.0
250	10710	10788	10569	-44.8	-32.9	-59.7	-52.8	262	38.8	41.2
200	12174	12288	11987	-52.8	-40.7	-65.9		261	41.5	43.7
175	13026	13161	12823	-57.2	-44.1	-70.0		261	39.8	41.8
150	13990	14126	13773	-62.0	-48.9	-74.0		262	36.5	38.0
125	15099	15228	14875	-67.4	-52.9	-80.0		262	32.3	33.5
100	16423	16568	16199	-72.1	-55.9	-86.0		264	25.4	26.6
80	17730	17907	17509	-72.9	-58.5	-86.0		265	17.8	19.4
70	18516	18715	18289	-71.1	-54.1	-84.0		269	13.6	15.3
60	19441	19666	19207	-67.4	-49.3	-80.0		274	10.3	12.7
50	20555	20811	20314	-62.4	-46.1	-77.0		281	6.2	9.7
40	21948	22223	21699	-58.2	-40.3	-71.0		280	5.0	9.0
30	23767	24079	23524	-53.7	-41.1	-67.9		284	4.2	8.8
25	24931	25207	24679	-51.7	-41.9	-64.1		277	3.7	9.5
20	26410	26666	26103	-49.4	-41.1	-63.5		260	6.5	10.8
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
644	3780	4250	3310	226	11500	-54.5	097	16670	-74.1

NORMALS OF RADIOSONDE DATA

MONTH : APRIL TIME : 0530 IST STATION : GUWAHATI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1002	1005	1000	21.0	29.2	14.6	18.9	064	0.7	1.3
1000	68	95	47	20.9	27.8	15.4	18.6	069	0.8	1.5
950	509	538	485	21.4	32.6	13.2	16.2	075	1.1	4.1
925	750	768	734	21.4	30.6	12.0	14.9	271	0.4	3.9
900	981	1003	958	19.8	29.6	11.0	13.4	258	2.4	5.1
850	1472	1490	1449	17.1	27.4	8.8	10.3	253	5.9	7.3
800	1987	2006	1963	13.8	23.4	5.4	6.6	257	8.6	9.5
750	2524	2547	2496	10.2	18.8	1.8	2.8	263	10.6	11.4
700	3098	3120	3071	6.4	15.0	-2.7	-1.5	267	12.4	13.2
650	3700	3723	3670	2.7	12.4	-6.1	-5.7	269	13.8	14.7
600	4346	4370	4319	-1.0	8.0	-10.1	-9.7	272	14.7	15.9
550	5035	5063	5002	-4.7	5.0	-14.1	-14.3	274	14.9	16.4
500	5780	5812	5744	-9.0	-0.7	-19.1	-18.9	274	15.0	16.8
450	6587	6629	6542	-14.3	-5.3	-25.7	-23.9	271	15.5	17.3
400	7472	7522	7416	-20.6	-10.3	-32.3	-29.9	269	17.3	19.2
350	8447	8509	8384	-27.6	-17.7	-45.0	-36.0	268	20.2	22.3
300	9540	9620	9457	-35.2	-22.7	-52.3	-43.3	264	24.1	26.3
250	10788	10890	10682	-43.7	-30.1	-58.5	-51.2	262	29.4	31.7
200	12259	12379	12127	-52.4	-41.9	-67.5		263	33.1	35.2
175	13110	13239	12972	-56.9	-44.1	-69.3		263	32.8	34.6
150	14075	14214	13926	-62.0	-48.3	-75.5		264	30.1	31.6
125	15185	15341	15025	-67.6	-49.5	-77.9		266	25.0	26.6
100	16511	16703	16344	-72.4	-54.5	-85.0		267	18.1	19.4
80	17819	18044	17632	-73.4	-49.3	-86.1		272	10.6	12.9
70	18602	18853	18414	-71.2	-44.1	-82.1		279	6.6	9.9
60	19524	19834	19291	-67.5	-49.9	-80.9		293	3.7	8.1
50	20639	20973	20377	-62.3	-46.3	-78.0		315	1.3	6.4
40	22034	22395	21681	-57.4	-44.5	-76.0		325	1.1	5.6
30	23877	24295	23551	-52.4	-37.9	-69.0		320	1.0	6.3
25	25054	25447	24631	-49.9	-36.9	-65.1		279	1.5	6.4
20	26527	27016	26038	-47.5	-35.9	-61.1		260	2.6	7.0
15	28420	28929	27861	-45.3	-33.5	-57.5				
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FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
613	4180	4650	3700				096	16770	-74.6

NORMALS OF RADIOSONDE DATA

MONTH : MAY TIME : 0530 IST STATION : GUWAHATI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1000	1002	998	23.7	30.0	17.0	22.2	062	0.5	1.1
1000	46	68	28	23.1	29.8	18.4	21.3	066	0.6	1.1
950	490	513	471	22.9	30.0	17.0	19.7	084	1.0	3.4
925	728	737	717	22.6	29.2	15.8	18.9	135	0.1	3.4
900	965	987	947	21.0	28.8	14.4	17.1	249	0.7	4.2
850	1459	1479	1440	18.4	27.0	11.4	14.2	246	3.1	5.8
800	1977	1996	1958	15.5	27.0	8.2	11.0	250	5.0	7.2
750	2519	2547	2499	12.1	19.8	4.8	7.4	258	6.2	8.1
700	3097	3127	3077	8.6	16.8	0.8	3.1	264	7.0	8.9
650	3705	3741	3681	5.0	14.0	-2.1	-1.4	266	7.5	9.4
600	4356	4395	4332	1.4	12.8	-6.0	-5.7	267	7.8	9.7
550	5052	5097	5022	-2.2	6.0	-13.3	-9.9	266	8.1	10.1
500	5805	5856	5770	-6.1	2.8	-18.5	-14.9	262	8.5	10.6
450	6622	6682	6580	-10.8	-2.9	-19.3	-20.0	258	9.3	11.4
400	7520	7587	7468	-16.4	-8.7	-26.1	-25.5	258	11.2	13.4
350	8513	8586	8446	-22.8	-12.7	-33.5	-31.9	256	13.8	15.7
300	9628	9712	9550	-30.3	-21.1	-40.3	-39.1	256	16.9	18.8
250	10902	10996	10801	-39.3	-27.5	-49.7	-47.1	254	20.4	22.1
200	12395	12501	12280	-50.2	-39.9	-59.0		254	21.9	23.6
175	13255	13375	13138	-56.4	-45.1	-66.0		254	21.1	22.9
150	14218	14361	14094	-62.9	-52.1	-78.1		256	19.4	21.3
125	15321	15491	15181	-69.3	-54.9	-83.0		259	14.6	17.0
100	16638	16858	16482	-74.6	-59.5	-88.0		262	7.9	11.2
80	17930	18190	17756	-75.0	-57.9	-89.7		276	2.2	8.4
70	18712	18991	18506	-72.2	-51.9	-85.0		060	1.3	7.8
60	19634	19926	19404	-67.4	-46.9	-82.0		086	3.8	7.6
50	20751	21071	20454	-61.7	-41.3	-79.1		083	5.2	7.5
40	22149	22512	21834	-56.4	-37.5	-76.3		079	5.6	7.5
30	23997	24396	23504	-51.3	-38.1	-70.9		088	6.2	8.2
25	25179	25580	24895	-48.7	-35.7	-68.1		094	6.3	8.3
20	26660	27118	26423	-46.4	-30.1	-64.7		100	5.6	8.2
15	28580	29091	28304	-44.2	-24.9	-61.1		108	5.2	8.6
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FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
580	4640	5200	4210				096	16940	-76.4

NORMALS OF RADIOSONDE DATA

MONTH : JUNE TIME : 0530 IST STATION : GUWAHATI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	996	998	991	26.0	30.0	22.0	24.6	059	0.3	0.9
1000	13	33	1							
950	459	480	436	24.6	32.4	19.0	22.3	069	0.6	3.2
925	702	715	683	23.8	31.6	19.4	20.7	195	0.2	3.3
900	938	957	914	22.5	30.2	16.4	19.9	225	0.5	4.1
850	1434	1453	1411	20.0	27.8	14.2	17.2	228	2.3	5.3
800	1956	1975	1933	17.2	24.0	10.6	14.3	230	3.4	6.2
750	2503	2526	2478	14.3	27.0	6.8	11.1	237	3.7	6.6
700	3086	3110	3060	11.2	17.6	3.6	7.5	239	3.7	6.7
650	3700	3730	3662	8.0	14.2	1.2	3.3	240	3.9	6.6
600	4359	4391	4318	4.6	10.6	-2.9	-0.6	239	4.1	6.7
550	5065	5099	5015	0.9	6.6	-6.5	-4.5	236	4.0	6.8
500	5826	5863	5768	-2.9	3.6	-10.0	-9.3	235	4.1	7.0
450	6655	6699	6587	-7.3	-1.3	-14.7	-14.5	237	4.1	7.2
400	7565	7614	7490	-12.5	-5.5	-23.0	-20.5	234	4.0	7.2
350	8573	8629	8485	-18.6	-11.3	-29.3	-26.9	236	3.9	7.3
300	9709	9771	9594	-26.2	-17.9	-35.1	-35.0	234	3.9	7.5
250	11004	11076	10883	-35.9	-23.0	-45.1	-43.7	236	3.9	8.2
200	12516	12603	12368	-48.2	-40.0	-57.7		251	3.9	9.6
175	13382	13478	13219	-55.4	-45.3	-65.3		265	3.6	10.2
150	14347	14454	14155	-63.1	-51.1	-73.3		293	2.7	10.1
125	15445	15572	15241	-70.6	-59.1	-82.0		009	2.4	10.1
100	16749	16932	16529	-76.3	-64.5	-87.7		056	5.6	10.0
80	18033	18244	17798	-76.0	-56.5	-86.3		069	9.7	11.7
70	18811	19045	18557	-72.8	-49.7	-83.5		076	11.8	13.0
60	19725	19985	19461	-67.8	-44.3	-84.9		082	12.7	13.5
50	20839	21145	20548	-61.6	-40.5	-79.9		085	12.7	13.4
40	22240	22632	21920	-56.4	-37.1	-79.3		082	13.5	14.0
30	24084	24476	23733	-51.7	-34.1	-77.3		085	15.1	15.6
25	25267	25655	24921	-49.5	-32.3	-74.3		088	16.1	16.7
20	26753	27241	26369	-46.7	-32.7	-55.7		091	16.8	17.5
15	28628	29036	28339	-45.0	-35.1	-54.1		092	17.4	18.1
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7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
538	5250	5720	4580				097	16960	-77.9

NORMALS OF RADIOSONDE DATA

MONTH : JULY TIME : 0530 IST STATION : GUWAHATI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	996	997	993	26.6	30.0	22.8	25.2	073	0.2	0.7
1000	12	23	0							
950	460	476	438	24.7	29.6	19.4	22.8	069	0.3	3.1
925	697	711	679	24.1	28.2	19.4	21.7	090	0.1	3.2
900	938	951	918	22.5	27.6	17.2	20.4	234	1.0	4.2
850	1435	1448	1415	20.0	26.2	14.8	17.7	225	2.5	5.3
800	1957	1971	1937	17.3	24.6	12.0	15.1	222	3.3	6.0
750	2504	2522	2485	14.5	21.0	9.2	12.3	219	3.3	6.1
700	3088	3109	3070	11.6	18.6	6.0	9.0	217	3.1	5.9
650	3704	3728	3688	8.5	15.6	1.8	5.2	216	3.0	5.8
600	4365	4391	4342	5.2	11.8	-1.7	1.4	211	2.6	5.5
550	5072	5103	5041	1.5	8.2	-6.0	-2.6	205	2.1	5.2
500	5835	5873	5803	-2.4	4.8	-10.7	-7.1	189	1.6	5.2
450	6666	6709	6629	-6.8	-0.3	-14.0	-12.1	157	1.3	5.1
400	7578	7632	7535	-11.9	-5.1	-19.7	-18.2	123	1.5	5.2
350	8588	8648	8534	-18.1	-10.9	-27.5	-25.7	103	2.0	5.5
300	9725	9801	9662	-26.0	-17.1	-36.3	-34.1	088	3.2	6.4
250	11020	11100	10936	-35.9	-28.1	-47.1	-43.7	077	4.5	8.0
200	12531	12629	12423	-48.5	-39.7	-60.1	-54.9	064	7.0	10.6
175	13394	13504	13270	-55.9	-45.9	-68.1		061	8.7	12.2
150	14356	14486	14209	-63.8	-54.5	-76.1		063	10.8	14.2
125	15452	15598	15286	-71.6	-61.1	-82.9		067	13.4	16.0
100	16749	16904	16564	-76.6	-63.1	-86.5		070	16.1	17.4
80	18038	18197	17854	-74.4	-58.0	-83.3		075	18.5	19.3
70	18824	19001	18627	-70.5	-52.9	-83.0		079	18.7	19.4
60	19752	20020	19509	-65.6	-47.0	-79.1		082	18.0	18.6
50	20876	21061	20626	-60.6	-40.0	-74.0		084	17.7	18.4
40	22291	22490	22060	-56.3	-40.1	-66.7		083	19.1	19.7
30	24138	24421	23930	-52.2	-34.9	-61.1		087	22.0	22.6
25	25308	25560	25096	-50.3	-35.1	-58.9		088	22.8	23.4
20	26772	27092	26466	-48.5	-35.7	-56.9		087	25.5	26.3
15	28663	28921	28342	-46.5	-37.5	-54.1				
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
531	5360	5860	4870				102	16700	-77.9

NORMALS OF RADIOSONDE DATA

MONTH : AUGUST TIME : 0530 IST STATION : GUWAHATI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	997	999	995	26.5	30.2	24.0	25.2	101	0.2	0.8
1000	22	37	3							
950	470	490	449	24.9	29.8	20.2	22.8	081	0.4	3.1
925	714	725	700	24.1	29.0	20.2	21.2	100	0.3	3.4
900	949	965	929	22.7	29.8	17.0	20.2	172	0.3	4.0
850	1446	1464	1426	20.2	27.0	15.0	17.3	189	1.0	4.7
800	1968	1987	1947	17.4	24.0	12.0	14.6	187	1.4	5.3
750	2514	2539	2491	14.5	21.0	9.0	11.7	172	1.5	5.5
700	3099	3122	3076	11.5	17.0	6.0	8.3	169	1.6	5.5
650	3713	3742	3684	8.3	13.8	2.4	4.6	168	1.8	5.4
600	4374	4405	4347	4.8	11.0	-1.1	0.8	161	2.0	5.3
550	5080	5115	5047	1.1	7.8	-5.0	-3.4	154	2.0	5.2
500	5841	5882	5805	-2.8	3.8	-9.9	-7.8	142	1.9	4.9
450	6670	6716	6622	-7.3	-0.9	-16.3	-13.2	123	2.0	4.9
400	7581	7633	7525	-12.4	-5.1	-20.7	-19.3	110	2.4	5.1
350	8589	8652	8520	-18.8	-11.9	-27.5	-26.5	097	2.9	5.5
300	9723	9797	9638	-26.6	-18.7	-36.9	-34.9	089	3.9	6.5
250	11015	11106	10906	-36.7	-27.7	-47.1	-43.7	078	5.0	8.2
200	12522	12635	12380	-49.3	-39.9	-60.1	-54.6	066	7.1	10.7
175	13385	13511	13216	-56.6	-47.3	-69.5		063	8.2	11.7
150	14345	14485	14150	-64.4	-54.0	-79.1		063	9.7	13.0
125	15439	15593	15209	-71.8	-59.0	-85.9		067	12.1	14.4
100	16741	16911	16476	-76.1	-62.9	-87.9		072	15.1	16.2
80	18039	18254	17739	-72.9	-56.1	-84.5		077	17.0	17.7
70	18834	19133	18531	-69.0	-52.1	-80.1		081	17.1	17.6
60	19765	19962	19463	-64.5	-50.1	-77.1		083	16.7	17.1
50	20895	21097	20562	-60.1	-44.9	-73.0		083	17.3	17.7
40	22316	22513	21982	-56.0	-41.0	-67.7		084	19.3	19.7
30	24170	24369	23680	-52.1	-38.5	-64.1		087	22.3	22.9
25	25341	25518	24826	-50.4	-32.9	-64.0		087	23.6	24.0
20	26814	27020	26653	-48.6	-31.9	-57.7		088	26.3	26.8
15	28686	28932	28162	-46.9	-28.5	-55.7		087	30.2	30.8
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7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
535	5290	5810	4860				104	16570	-77.1

NORMALS OF RADIOSONDE DATA

MONTH : SEPTEMBER TIME : 0530 IST STATION : GUWAHATI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1001	1002	999	25.6	29.2	21.0	24.5	080	0.2	0.6
1000	55	68	43	25.2	28.6	21.0	24.0	081	0.3	0.8
950	501	520	482	24.1	31.0	18.8	21.7	083	0.5	3.2
925	742	753	729	23.4	29.4	19.6	20.2	084	0.5	3.3
900	979	992	966	21.9	29.0	16.6	19.1	217	0.5	4.1
850	1475	1486	1461	19.2	27.0	13.8	16.2	230	1.7	4.8
800	1995	2008	1981	16.4	27.0	10.4	13.2	229	2.1	5.1
750	2539	2557	2515	13.4	22.0	7.0	9.9	225	2.2	5.4
700	3121	3140	3105	10.4	20.0	3.2	6.2	224	2.3	5.5
650	3733	3753	3700	7.1	19.0	0.6	2.3	225	2.6	5.6
600	4390	4417	4369	3.6	12.2	-1.9	-1.5	229	2.8	5.6
550	5092	5121	5063	-0.1	8.0	-6.3	-5.6	230	3.0	5.8
500	5851	5884	5818	-4.2	4.2	-11.0	-10.1	233	2.9	5.7
450	6676	6719	6634	-8.7	-1.3	-16.3	-15.4	235	2.7	5.7
400	7580	7624	7532	-14.0	-6.3	-20.9	-21.6	234	2.6	5.8
350	8581	8632	8524	-20.5	-12.3	-29.0	-28.8	237	2.4	6.2
300	9707	9764	9637	-28.5	-20.1	-37.1	-36.8	239	2.2	6.9
250	10989	11065	10902	-38.6	-29.9	-47.3	-45.7	251	2.3	8.2
200	12484	12574	12379	-50.9	-40.1	-62.0		283	2.5	9.9
175	13339	13441	13226	-58.0	-46.1	-73.0		300	2.4	10.3
150	14295	14425	14163	-65.4	-54.1	-77.3		339	2.0	10.2
125	15383	15535	15232	-72.4	-59.5	-83.7		036	2.7	9.3
100	16681	16844	16498	-76.5	-65.9	-85.0		066	5.2	8.9
80	17976	18196	17768	-73.4	-58.1	-85.0		072	7.9	9.3
70	18769	18971	18543	-69.3	-54.1	-82.0		080	9.4	10.2
60	19702	19919	19454	-64.4	-49.3	-76.0		085	9.7	10.2
50	20837	21073	20565	-59.9	-44.1	-72.0		083	10.5	10.9
40	22250	22518	21982	-56.2	-38.7	-68.0		083	12.7	13.1
30	24097	24409	23814	-52.4	-39.5	-62.0		086	15.6	16.1
25	25281	25591	24975	-50.3	-35.1	-60.1		090	16.8	17.3
20	26754	27173	26543	-48.2	-28.5	-58.1		093	18.2	18.6
15	28640	29109	28398	-46.5	-35.1	-55.7		093	18.8	19.2
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
551	5070	5510	4680				105	16470	-77.4

NORMALS OF RADIOSONDE DATA

MONTH : OCTOBER TIME : 0530 IST STATION : GUWAHATI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1005	1009	1002	22.9	28.2	17.4	21.9	067	0.3	0.5
1000	93	123	66	22.8	28.2	17.4	21.6	075	0.6	1.0
950	537	570	510	22.2	32.6	16.0	19.3	085	1.7	3.5
925	776	801	766	21.5	28.6	16.6	17.6	085	1.6	3.5
900	1011	1038	989	20.1	33.0	12.8	16.2	089	1.3	4.3
850	1502	1528	1483	17.3	29.0	10.0	12.2	140	0.5	4.5
800	2018	2041	1998	14.3	25.0	6.6	8.1	223	1.0	4.6
750	2557	2581	2539	11.0	21.0	2.8	3.6	240	1.9	4.8
700	3134	3152	3112	7.7	17.0	-1.9	-0.3	247	3.2	5.6
650	3738	3766	3715	4.3	12.0	-4.7	-4.2	250	4.7	6.5
600	4388	4412	4359	1.0	8.4	-7.0	-7.9	254	6.7	8.2
550	5084	5117	5051	-2.5	5.0	-12.0	-11.3	254	8.8	10.1
500	5835	5866	5805	-6.5	0.6	-17.1	-15.3	256	10.3	11.5
450	6653	6688	6609	-11.2	-3.0	-22.0	-19.9	258	12.1	13.4
400	7548	7591	7493	-16.7	-7.0	-29.7	-25.6	258	14.0	15.4
350	8538	8593	8462	-23.4	-15.5	-37.0	-32.0	259	16.2	17.6
300	9650	9718	9552	-31.2	-21.9	-45.0	-39.9	259	18.8	20.3
250	10918	11002	10792	-40.7	-31.5	-52.0	-48.9	259	20.3	22.0
200	12399	12499	12244	-52.2	-43.9	-63.1		259	21.5	23.3
175	13251	13360	13085	-58.7	-46.1	-71.0		259	21.1	23.0
150	14202	14327	14025	-65.6	-49.5	-78.0		260	19.2	21.0
125	15292	15430	15083	-72.0	-55.1	-81.5		261	15.6	17.6
100	16588	16732	16372	-76.1	-60.5	-85.9		264	9.9	11.9
80	17882	18030	17667	-73.3	-57.5	-84.5		273	4.6	8.2
70	18673	18843	18460	-69.1	-51.5	-82.1		289	1.9	7.0
60	19605	19789	19380	-64.3	-45.5	-82.7		080	1.1	6.3
50	20733	20939	20467	-60.0	-40.5	-77.3		083	2.8	6.4
40	22146	22372	21842	-56.3	-34.3	-71.1		085	3.9	6.6
30	23987	24248	23648	-52.8	-38.7	-67.1		089	4.5	7.5
25	25160	25428	24813	-50.7	-31.5	-64.5		100	4.5	7.9
20	26621	26939	26260	-48.9	-34.1	-61.1		106	4.8	8.1
15	28509	28844	28116	-47.1	-36.1	-59.1		110	5.1	8.4
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
586	4570	5000	4110				104	16410	-77.2

NORMALS OF RADIOSONDE DATA

MONTH : NOVEMBER TIME : 0530 IST STATION : GUWAHATI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1009	1011	1006	18.0	26.4	11.0	17.1	064	0.2	0.3
1000	122	138	104	18.4	25.8	12.0	17.0	076	1.0	1.2
950	560	579	541	19.0	32.2	12.2	15.1	083	3.1	3.7
925	796	808	783	18.5	30.6	12.8	12.8	083	2.9	3.8
900	1028	1046	1010	17.0	28.8	8.0	11.3	083	3.4	4.6
850	1514	1535	1495	14.1	24.4	7.2	6.7	087	2.5	4.6
800	2023	2044	2004	10.7	19.6	3.6	2.2	098	1.3	4.4
750	2555	2574	2533	7.4	15.8	-1.0	-2.8	205	0.6	4.7
700	3123	3147	3099	4.3	13.0	-4.0	-7.0	259	2.9	5.9
650	3721	3741	3689	1.3	9.4	-6.9	-10.5	265	6.3	8.6
600	4364	4384	4333	-1.3	7.6	-10.7	-14.6	266	10.6	12.1
550	5054	5090	5019	-4.6	4.4	-14.1	-18.1	266	14.0	15.2
500	5797	5833	5759	-9.2	-1.1	-18.5	-21.8	266	16.6	17.8
450	6605	6656	6556	-14.5	-5.9	-25.1	-26.6	266	19.6	20.9
400	7487	7550	7433	-20.6	-11.0	-31.1	-32.0	266	22.9	24.5
350	8464	8546	8399	-27.2	-17.7	-38.9	-37.8	265	27.3	29.1
300	9557	9649	9481	-34.5	-24.9	-44.7	-44.7	265	32.2	34.3
250	10809	10915	10717	-43.1	-26.5	-54.5		263	36.1	38.3
200	12279	12399	12170	-53.6	-40.5	-66.7		261	38.5	40.9
175	13126	13254	13007	-59.4	-47.1	-71.7		262	36.7	39.1
150	14079	14209	13946	-65.1	-50.3	-77.3		262	33.8	35.6
125	15174	15318	15021	-70.4	-54.1	-80.1		264	28.8	30.2
100	16486	16638	16316	-74.2	-60.5	-85.1		267	20.9	22.3
80	17785	17975	17592	-73.8	-54.9	-86.7		271	13.2	14.8
70	18570	18794	18358	-70.9	-48.1	-84.1		275	8.9	11.1
60	19497	19728	19289	-66.1	-40.7	-82.0		278	5.9	9.1
50	20621	20865	20397	-60.9	-42.5	-78.0		273	3.4	7.4
40	22031	22281	21799	-56.5	-37.5	-72.0		270	2.3	7.1
30	23882	24133	23621	-52.5	-36.5	-61.7		268	1.8	7.4
25	25054	25287	24782	-50.9	-38.3	-59.9		266	2.3	7.3
20	26534	26802	26273	-48.9	-36.9	-57.9		268	4.2	8.2
15	28425	28744	27577	-47.3	-34.5	-56.7		257	5.1	9.6
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
626	4040	4570	3320				101	16490	-75.5

NORMALS OF RADIOSONDE DATA

MONTH : DECEMBER TIME : 0530 IST STATION : GUWAHATI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1011	1012	1008	13.1	20.0	8.0	12.3	074	0.1	0.1
1000	138	152	118	13.9	20.0	8.8	12.3	081	0.9	1.2
950	570	584	548	15.7	23.2	8.8	11.2	084	2.5	3.5
925	801	810	792	15.2	21.4	9.0	9.1	083	3.0	3.7
900	1032	1046	1008	13.6	20.8	7.0	7.2	082	2.9	4.3
850	1512	1526	1485	10.6	18.0	4.0	2.7	087	2.7	4.6
800	2014	2030	1989	7.5	18.4	1.0	-1.4	093	1.8	4.6
750	2541	2558	2514	4.6	14.8	-4.3	-6.0	280	0.4	5.2
700	3103	3122	3075	2.0	12.0	-6.5	-10.4	276	4.4	7.5
650	3698	3721	3665	-0.2	14.2	-9.9	-14.2	274	9.5	11.6
600	4336	4364	4307	-2.7	11.2	-12.7	-17.2	273	14.6	16.2
550	5022	5058	4987	-6.4	8.0	-17.5	-20.1	272	18.0	19.3
500	5760	5798	5720	-11.2	2.8	-22.5	-24.2	271	20.9	22.2
450	6560	6604	6506	-16.7	-3.3	-29.0	-28.7	271	24.4	25.8
400	7435	7487	7372	-22.8	-10.1	-36.0	-33.9	270	28.7	30.2
350	8402	8472	8323	-29.6	-18.5	-44.0	-39.7	269	33.3	35.0
300	9487	9583	9392	-36.9	-24.5	-52.0	-46.0	268	37.9	39.9
250	10725	10845	10602	-45.3	-33.5	-60.0		266	42.8	45.0
200	12185	12322	12035	-54.4	-42.9	-65.3		263	45.1	47.1
175	13029	13173	12871	-59.4	-44.7	-71.1		262	43.5	45.3
150	13983	14117	13820	-64.0	-49.5	-76.7		263	40.3	41.7
125	15088	15229	14950	-68.6	-55.1	-82.7		264	35.5	36.7
100	16412	16565	16252	-72.5	-57.9	-85.3		266	27.4	28.3
80	17721	17960	17524	-72.7	-55.3	-87.3		269	18.9	20.0
70	18509	18746	18296	-70.9	-52.5	-85.1		273	14.8	16.2
60	19433	19671	19198	-67.2	-50.1	-79.3		274	11.4	13.1
50	20549	20795	20292	-62.0	-42.1	-74.0		274	8.7	11.1
40	21956	22212	21651	-57.5	-43.5	-70.1		269	6.9	9.9
30	23799	24081	23443	-53.5	-30.7	-65.1		269	6.8	10.4
25	24972	25243	24610	-51.5	-40.1	-64.5		268	6.3	10.7
20	26434	26871	25990	-49.5	-37.9	-64.9		267	8.5	12.1
15	28321	28723	27921	-47.8	-36.1	-61.5				
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
657	3630	4180	3180				100	16490	-74.0

NORMALS OF RADIOSONDE DATA

MONTH : JANUARY TIME : 0530 IST STATION : GWALIOR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	992	994	991	8.8	19.0	2.0	6.4	005	0.2	0.4
1000	142	160	131							
950	557	576	513	14.1	26.0	4.2	4.7	001	1.8	4.7
925	790	799	775	13.4	31.6	4.2	2.8	323	2.2	4.8
900	1026	1054	1010	13.2	27.2	3.4	0.6	316	2.5	5.3
850	1505	1535	1488	11.0	28.2	0.0	-2.4	290	4.5	6.5
800	2008	2040	1989	8.6	25.0	-2.9	-4.9	282	6.2	7.9
750	2538	2569	2519	5.9	20.4	-5.9	-7.7	278	8.0	9.5
700	3100	3139	3075	3.0	15.0	-9.1	-10.5	275	9.8	11.2
650	3697	3750	3663	-0.4	11.0	-12.1	-13.8	275	12.0	13.4
600	4333	4396	4296	-4.1	7.8	-14.7	-17.4	274	15.1	16.3
550	5016	5096	4971	-8.1	6.8	-20.1	-21.0	273	18.3	19.6
500	5748	5839	5696	-12.8	0.4	-24.3	-25.5	273	21.6	23.0
450	6545	6659	6485	-18.2	-5.7	-28.7	-30.2	271	25.4	27.0
400	7416	7539	7342	-23.9	-11.3	-35.5	-34.7	271	29.8	31.7
350	8377	8517	8291	-30.1	-17.5	-41.1		268	34.3	36.4
300	9459	9650	9370	-37.1	-24.7	-49.3		267	38.9	41.4
250	10697	10939	10554	-44.6	-31.1	-58.9		265	43.7	46.0
200	12162	12435	11944	-53.0	-40.7	-67.9		264	43.5	46.1
175	13005	13279	12754	-57.4	-46.3	-69.7		264	44.0	46.6
150	13956	14298	13665	-61.9	-49.1	-77.3				
125	15060	15401	14748	-66.7	-56.7	-77.9				
100	16393	16773	15983	-69.9	-58.3	-80.5				
80	17707	18159	17354	-69.9	-58.5	-79.5				
70	18498	19000	18173	-68.1	-52.3	-79.7				
60	19432	19932	19249	-65.1	-52.1	-75.9				
50	20559	21045	20366	-61.1	-44.3	-71.1				
40	21950	22402	21778	-57.1	-43.9	-67.9				
30										
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
659	3600	4620	3050				105	16190	-71.6

NORMALS OF RADIOSONDE DATA

MONTH : FEBRUARY TIME : 0530 IST STATION : GWALIOR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	990	993	986	11.4	25.0	3.8	7.5	343	0.3	0.6
1000	121	144	89							
950	540	578	503	16.4	29.0	6.0	5.5	001	1.7	5.4
925	774	804	730	15.7	28.0	5.2	3.8	332	2.4	5.4
900	1012	1042	988	15.2	27.0	5.6	1.9	314	2.6	6.0
850	1494	1531	1472	12.5	25.6	3.2	-1.5	292	5.0	7.2
800	1999	2041	1979	9.4	23.8	0.8	-3.9	286	6.8	8.6
750	2529	2569	2498	6.2	22.2	-4.1	-6.3	280	8.5	10.2
700	3093	3140	3066	2.8	19.4	-6.5	-9.6	277	10.5	12.2
650	3687	3727	3658	-0.7	15.4	-10.1	-13.1	276	12.4	14.3
600	4324	4380	4282	-4.4	7.2	-16.1	-16.5	274	15.3	17.2
550	5006	5081	4944	-8.5	3.8	-21.5	-20.4	274	18.7	20.5
500	5738	5817	5684	-13.2	-2.1	-24.9	-24.6	274	22.8	24.6
450	6532	6616	6464	-18.2	-6.7	-29.5	-29.0	274	27.1	29.3
400	7402	7490	7328	-23.8	-10.7	-36.3	-34.4	273	31.6	34.0
350	8365	8484	8270	-30.0	-12.3	-43.7		275	36.0	39.0
300	9449	9579	9311	-36.6	-20.3	-50.5		275	41.1	44.4
250	10690	10860	10493	-44.1	-29.5	-57.5		274	45.9	49.4
200	12158	12350	11900	-52.5	-41.9	-66.3		272	47.0	50.7
175	13009	13213	12766	-56.9	-41.9	-72.9		273	47.6	51.4
150	13971	14193	13683	-61.6	-43.5	-76.1				
125	15077	15299	14942	-66.4	-49.1	-75.9				
100	16406	16737	16287	-70.8	-52.5	-82.7				
80	17719	18069	17597	-71.1	-58.9	-85.7				
70	18520	18893	18384	-69.0	-56.1	-78.5				
60	19446	19863	19285	-65.6	-50.5	-77.5				
50	20555	21025	20420	-61.5	-46.9	-76.5				
40	21951	22453	21764	-57.2	-43.5	-69.1				
30	23774	24335	23532	-53.6	-43.9	-64.5				
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
661	3570	4350	3110				102	16350	-72.0

NORMALS OF RADIOSONDE DATA

MONTH : MARCH TIME : 0530 IST STATION : GWALIOR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	987	988	985	16.7	26.4	8.4	9.8	334	0.3	0.6
1000	94	109	78							
950	521	544	487	21.1	31.4	8.0	7.4	354	1.9	5.7
925	760	774	728	21.0	31.2	10.8	6.0	331	2.8	5.7
900	1000	1014	984	20.1	33.4	6.2	3.8	314	3.1	6.3
850	1489	1507	1471	17.0	28.2	0.8	0.9	293	5.5	7.5
800	2003	2022	1980	13.5	24.6	3.0	-1.6	286	7.6	9.1
750	2538	2564	2506	9.4	21.4	-2.9	-4.3	281	9.6	11.1
700	3109	3141	3073	5.4	18.0	-5.5	-7.3	278	11.1	12.6
650	3708	3745	3668	1.3	14.0	-8.1	-11.4	275	12.9	14.3
600	4349	4395	4304	-2.8	9.0	-11.7	-15.3	273	14.9	16.2
550	5034	5087	4986	-7.1	5.0	-15.1	-19.0	272	17.3	18.6
500	5769	5824	5721	-11.9	0.2	-20.3	-23.0	272	19.9	21.4
450	6568	6631	6514	-17.2	-3.1	-27.1	-27.3	272	23.0	24.5
400	7441	7521	7383	-23.2	-7.9	-35.7	-32.9	272	26.2	27.9
350	8406	8517	8338	-29.9	-15.1	-43.3	-39.0	272	29.0	30.9
300	9488	9636	9404	-37.4	-22.7	-51.5		273	33.1	35.4
250	10725	10916	10601	-45.3	-30.1	-59.7		272	38.2	41.0
200	12186	12443	11988	-52.8	-41.1	-67.9		271	42.1	44.6
175	13036	13341	12821	-56.4	-44.7	-70.5		271	45.4	47.9
150	14002	14291	13847	-60.8	-48.1	-76.9		269	41.3	43.1
125	15112	15301	14941	-65.8	-51.9	-77.1		268	38.4	40.0
100	16448	16647	16247	-69.7	-55.9	-81.9		268	32.1	34.4
80	17771	17969	17602	-70.2	-48.5	-83.9				
70	18561	18790	18436	-68.6	-47.1	-80.3				
60	19500	19765	19332	-65.4	-42.9	-81.7				
50	20620	20897	20349	-60.9	-45.1	-79.5				
40	22020	22301	21727	-56.4	-43.5	-71.7				
30	23868	24143	23547	-52.1	-37.1	-65.3				
25	25044	25323	24670	-49.7	-32.7	-62.9				
20	26517	26781	26169	-47.2	-24.5	-60.5				
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
634	3920	4570	3550				100	16510	-71.5

NORMALS OF RADIOSONDE DATA

MONTH : APRIL TIME : 0530 IST STATION : GWALIOR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	983	985	981	22.6	36.2	13.4	10.4	300	0.4	0.7
1000	56	77	37							
950	491	522	447	26.7	38.0	16.2	7.6	331	1.5	5.7
925	738	754	714	26.7	35.2	15.6	6.7	328	2.0	5.8
900	980	993	966	25.6	38.0	13.2	5.0	318	3.0	6.2
850	1479	1491	1466	22.2	35.4	10.6	2.5	301	4.4	6.4
800	2000	2015	1983	18.2	30.6	7.4	0.0	292	6.3	7.7
750	2544	2571	2512	13.6	26.6	3.8	-2.5	286	8.0	9.2
700	3123	3150	3097	8.8	19.8	-0.9	-5.4	282	9.3	10.6
650	3727	3748	3690	4.0	14.4	-8.9	-8.4	278	10.3	11.8
600	4375	4419	4337	-0.6	10.8	-16.5	-12.5	277	11.5	13.1
550	5066	5120	4999	-5.0	6.0	-14.9	-17.3	277	12.4	14.0
500	5807	5868	5758	-9.9	0.0	-21.1	-22.2	276	13.8	15.5
450	6613	6671	6550	-15.3	-3.7	-27.9	-26.9	276	15.5	17.4
400	7493	7566	7416	-21.6	-8.9	-33.1	-32.1	275	18.1	20.2
350	8456	8555	8258	-28.4	-14.9	-38.9	-37.9	274	21.1	23.6
300	9553	9660	9439	-35.8	-21.3	-47.7		273	24.8	27.5
250	10799	10933	10663	-43.8	-29.5	-58.1		272	28.6	31.7
200	12275	12440	12113	-51.5	-37.5	-65.5		271	31.9	35.0
175	13132	13318	12968	-55.1	-39.7	-72.3		270	32.5	35.2
150	14102	14328	13933	-59.7	-42.9	-75.9		267	30.6	32.8
125	15221	15505	15063	-65.2	-48.9	-77.7		268	27.5	29.3
100	16557	16896	16387	-69.6	-46.1	-80.9		269	21.1	23.6
80	17873	18298	17682	-70.5	-43.9	-81.7		273	12.3	16.4
70	18668	19190	18424	-68.6	-42.1	-80.9		277	8.9	14.8
60	19594	20231	19375	-64.8	-40.1	-78.7		287	4.9	13.2
50	20717	21180	20447	-60.1	-40.1	-71.9		316	3.6	12.0
40	22122	22636	21779	-55.1	-38.3	-69.9				
30	23979	24480	23747	-50.1	-32.1	-62.5				
25	25154	25625	24834	-48.1	-37.3	-58.9				
20	26628	27149	26258	-45.9	-33.9	-58.5				
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
606	4300	4730	3760				098	16720	-71.7

NORMALS OF RADIOSONDE DATA

MONTH : MAY TIME : 0530 IST STATION : GWALIOR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	979	983	976	28.2	38.6	19.0	14.3	282	0.8	1.3
1000	20	54	1							
950	462	497	413	29.9	41.8	15.4	12.2	284	2.4	6.7
925	706	726	669	29.4	43.8	18.8	10.8	291	4.0	7.5
900	956	985	936	28.6	41.0	15.2	9.5	295	4.1	7.2
850	1460	1484	1443	25.3	38.2	13.2	6.9	298	5.2	7.2
800	1987	2010	1974	21.2	33.6	10.8	4.3	298	6.1	7.5
750	2537	2564	2515	16.6	28.2	7.4	1.5	296	7.2	8.5
700	3122	3150	3108	11.5	23.6	0.4	-1.4	293	7.8	9.4
650	3732	3766	3714	6.3	19.6	-1.7	-5.0	290	8.1	10.0
600	4384	4418	4364	1.4	15.8	-6.7	-9.6	289	8.8	10.9
550	5082	5135	5049	-3.1	11.2	-11.7	-14.7	287	9.0	11.1
500	5827	5881	5797	-7.5	8.2	-16.7	-20.0	284	9.6	11.8
450	6641	6712	6600	-12.3	5.0	-23.7	-24.5	281	11.1	13.3
400	7530	7607	7487	-18.0	-1.3	-30.7	-29.6	279	13.3	15.4
350	8515	8621	8461	-24.4	-7.5	-38.7	-35.0	275	15.7	18.0
300	9622	9751	9549	-31.6	-14.9	-44.7		271	18.7	21.1
250	10889	11062	10803	-40.0	-25.1	-54.1		265	21.5	24.2
200	12381	12611	12269	-49.6	-36.5	-60.9		262	22.8	25.9
175	13245	13491	13123	-54.9	-42.7	-66.1		261	21.9	24.9
150	14213	14450	14062	-60.8	-48.1	-72.5		258	19.9	22.6
125	15329	15604	15125	-67.0	-53.1	-80.5		257	16.0	18.6
100	16651	16955	16390	-72.2	-58.9	-83.7		258	11.8	14.7
80	17967	18306	17697	-72.3	-54.5	-83.1		256	3.4	11.3
70	18757	19182	18478	-69.6	-49.9	-82.1		076	0.1	11.0
60	19685	20111	19423	-64.9	-43.9	-78.7		073	3.5	10.4
50	20807	21300	20563	-59.2	-38.9	-73.9		085	6.4	10.3
40	22221	22766	21950	-53.7	-32.9	-69.3				
30	24087	24737	23852	-48.2	-26.1	-58.5				
25	25287	26024	25062	-46.0	-22.9	-55.1				
20	26772	27201	26552	-43.9	-28.7	-52.1				
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
584	4600	5340	4230				096	16950	-74.1

NORMALS OF RADIOSONDE DATA

MONTH : JUNE TIME : 0530 IST STATION : GWALIOR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	976	978	973	30.3	37.4	22.6	19.9	271	1.2	2.0
1000	17	39	2							
950	430	468	393	29.9	38.0	21.0	17.5	276	3.4	7.0
925	675	700	651	28.6	38.6	19.4	16.3	281	4.2	7.7
900	923	951	902	27.9	38.0	18.0	14.7	290	4.6	8.0
850	1428	1454	1406	24.8	33.4	11.4	11.9	304	4.8	7.5
800	1957	1985	1934	21.2	29.4	12.8	9.3	317	4.6	7.0
750	2512	2533	2486	17.1	24.6	9.4	6.4	324	4.7	7.1
700	3096	3122	3073	12.6	20.8	4.8	3.0	326	4.7	7.4
650	3711	3737	3692	8.2	16.2	-0.7	-1.3	327	4.9	7.7
600	4367	4409	4344	3.8	12.2	-5.9	-5.4	324	4.6	7.7
550	5075	5147	5050	-0.2	9.0	-10.7	-9.5	314	4.2	7.7
500	5827	5886	5805	-3.8	5.2	-14.3	-13.1	296	3.8	7.5
450	6657	6736	6627	-7.7	1.2	-19.1	-17.3	286	3.6	8.1
400	7562	7647	7528	-12.4	-1.3	-25.1	-22.4	280	3.8	9.0
350	8572	8687	8513	-18.3	-6.5	-32.5	-27.9	275	4.5	9.8
300	9707	9831	9638	-25.6	-13.9	-41.1	-34.7	263	4.7	10.5
250	11005	11163	10919	-34.8	-23.3	-48.1		258	5.5	11.0
200	12523	12716	12392	-46.7	-33.7	-60.1		243	5.5	11.5
175	13394	13615	13242	-53.6	-38.7	-66.7		239	5.1	11.8
150	14367	14618	14205	-61.2	-45.7	-75.5		224	3.7	11.5
125	15474	15768	15324	-69.0	-46.5	-82.1		168	2.1	11.2
100	16778	17071	16635	-74.9	-60.9	-87.1		084	4.0	10.4
80	18075	18401	17920	-74.6	-52.1	-86.9		078	8.5	11.2
70	18855	19224	18641	-71.3	-52.1	-86.5		083	11.0	12.4
60	19776	20155	19542	-66.2	-46.1	-82.1		084	12.6	13.4
50	20890	21316	20649	-59.5	-39.3	-72.5		085	13.3	14.2
40	22304	22739	22028	-54.0	-33.3	-64.5				
30	24150	24606	23828	-49.4	-34.9	-60.1				
25	25333	25803	24987	-46.8	-31.3	-58.7				
20	26843	27343	26489	-44.4	-32.7	-54.7				
15										
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FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
549	5080	5800	4750				098	16970	-76.7

NORMALS OF RADIOSONDE DATA

MONTH : JULY TIME : 0530 IST STATION : GWALIOR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	975	977	974	27.9	35.4	22.8	23.8	268	1.0	1.6
1000	18	33	2							
950	420	448	374	27.0	34.0	19.6	22.4	269	3.4	6.9
925	659	678	616	25.7	37.4	16.4	21.1	274	3.1	7.4
900	914	932	901	25.0	36.6	14.8	20.2	285	4.2	8.1
850	1415	1433	1402	22.3	33.2	11.8	17.7	301	3.2	7.3
800	1940	1959	1927	19.3	30.0	8.8	15.3	324	2.1	6.6
750	2492	2515	2472	16.0	26.0	7.0	12.2	347	1.9	6.2
700	3077	3097	3058	12.8	21.8	5.6	8.4	360	1.7	6.2
650	3694	3720	3671	9.6	19.2	3.0	4.3	017	1.4	6.0
600	4356	4394	4327	6.1	14.2	-1.5	-0.3	034	1.1	6.0
550	5070	5133	5037	2.5	12.2	-5.5	-4.3	070	1.3	6.1
500	5830	5882	5796	-1.4	8.4	-10.3	-8.3	099	1.6	6.4
450	6668	6741	6622	-5.7	3.8	-16.9	-13.1	106	2.4	6.7
400	7581	7656	7530	-10.6	-2.1	-20.9	-18.6	105	3.2	7.0
350	8597	8690	8536	-16.5	-7.5	-28.9	-24.9	102	3.9	7.1
300	9741	9850	9664	-24.2	-12.3	-38.7	-32.3	096	4.4	7.5
250	11046	11178	10949	-33.8	-24.9	-51.1	-41.3	095	5.5	8.5
200	12568	12726	12448	-46.3	-37.5	-66.1		090	7.7	10.7
175	13440	13607	13303	-53.7	-42.1	-75.1		085	8.8	11.7
150	14413	14639	14255	-61.6	-48.1	-79.5		080	11.1	13.6
125	15517	15856	15338	-69.7	-55.5	-83.1		072	13.5	15.7
100	16819	17210	16647	-75.2	-60.1	-89.5		072	16.8	18.3
80	18112	18540	17958	-73.7	-50.3	-88.1		075	20.0	20.6
70	18898	19352	18757	-69.9	-45.5	-82.7		080	20.0	20.8
60	19820	20415	19702	-65.0	-46.5	-81.1		083	18.9	19.9
50	20945	21575	20777	-59.7	-42.5	-73.3		083	18.9	19.4
40	22340	22954	22146	-55.1	-36.3	-69.7		079	20.4	21.3
30	24177	24553	23952	-50.7	-34.9	-64.7				
25	25355	25835	25103	-48.4	-36.9	-61.1				
20	26829	27419	26512	-46.1	-32.3	-57.1				
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
518	5550	6260	5130				103	16810	-76.8

NORMALS OF RADIOSONDE DATA

MONTH : AUGUST TIME : 0530 IST STATION : GWALIOR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	977	978	970	26.7	34.6	23.4	24.2	280	0.7	1.6
1000	5	16	0							
950	437	463	401	26.0	33.0	21.0	22.6	288	3.0	6.8
925	680	698	649	25.1	34.6	19.6	20.9	293	3.5	7.2
900	929	941	913	24.0	32.0	17.8	20.1	313	3.0	7.5
850	1429	1440	1411	21.3	29.6	10.0	17.4	351	2.5	7.1
800	1953	1966	1932	18.4	28.0	12.2	14.8	015	2.5	6.8
750	2504	2519	2480	15.4	26.0	8.8	11.4	029	2.7	6.7
700	3087	3103	3064	12.4	23.0	5.0	7.5	039	2.6	6.4
650	3704	3724	3678	9.3	18.2	2.2	3.3	052	2.3	6.1
600	4366	4389	4341	6.0	14.0	-5.1	-0.8	068	2.0	6.1
550	5081	5114	5045	2.5	9.8	-7.5	-4.6	082	2.1	6.2
500	5840	5877	5812	-1.4	6.8	-8.1	-9.1	091	2.5	6.4
450	6677	6735	6639	-5.7	2.8	-11.9	-13.8	095	3.0	6.8
400	7588	7645	7555	-11.0	-1.9	-25.7	-19.4	093	3.8	7.1
350	8602	8666	8563	-17.0	-8.5	-24.3	-26.0	096	4.3	7.0
300	9744	9838	9692	-24.7	-15.1	-34.1	-33.5	100	5.1	7.4
250	11045	11166	10975	-34.3	-23.9	-47.9	-43.0	096	5.8	8.3
200	12571	12738	12476	-46.5	-35.3	-57.7		094	7.6	10.2
175	13440	13638	13325	-54.0	-41.9	-75.1		090	8.8	11.3
150	14410	14660	14287	-62.0	-49.9	-76.3		085	10.1	12.3
125	15515	15803	15336	-70.1	-57.1	-81.7		082	12.6	14.6
100	16823	17159	16551	-74.7	-63.1	-85.1		077	14.8	16.3
80	18127	18503	17810	-72.7	-56.1	-84.9		076	16.6	17.5
70	18920	19332	18576	-68.8	-54.1	-81.5		081	16.9	17.5
60	19852	20324	19474	-64.1	-50.9	-78.9		084	17.0	17.7
50	20977	21452	20576	-59.2	-46.7	-71.3		084	17.8	18.7
40	22382	22896	22138	-54.9	-41.1	-65.9		082	19.4	20.4
30	24214	24738	23974	-50.8	-37.1	-61.3				
25	25390	26000	25153	-48.4	-34.9	-59.1				
20	26874	27523	26638	-46.1	-34.1	-54.5				
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
518	5560	6090	5200				101	16780	-75.8

NORMALS OF RADIOSONDE DATA

MONTH : SEPTEMBER TIME : 0530 IST STATION : GWALIOR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	981	983	978	25.3	30.6	17.0	22.2	291	0.8	1.2
1000	39	55	18							
950	475	503	423	25.9	34.0	18.6	20.0	304	2.5	5.9
925	719	733	670	24.9	32.0	17.0	18.2	322	2.4	6.3
900	966	983	945	24.2	33.6	16.0	17.0	328	3.0	6.4
850	1465	1480	1442	21.1	32.4	12.4	14.1	341	3.5	6.6
800	1987	2001	1963	17.7	29.6	9.8	11.0	349	4.0	6.9
750	2534	2545	2504	14.2	26.4	4.6	7.0	354	4.2	7.3
700	3115	3127	3092	10.8	22.6	3.6	2.2	359	3.6	6.7
650	3728	3741	3700	7.2	19.6	-6.9	-2.0	355	2.5	6.3
600	4383	4406	4360	3.9	15.0	-5.9	-5.4	337	1.1	5.9
550	5089	5125	5046	0.6	9.2	-9.9	-8.5	266	0.8	6.0
500	5846	5885	5814	-2.9	5.2	-12.7	-12.1	254	1.4	6.4
450	6676	6737	6637	-7.4	0.8	-17.1	-16.7	257	2.1	6.8
400	7584	7650	7529	-12.8	-4.7	-23.9	-22.0	256	2.9	7.2
350	8589	8659	8544	-19.1	-10.9	-31.7	-28.2	254	4.0	7.9
300	9721	9805	9654	-26.8	-18.7	-43.3	-35.0	252	4.8	8.6
250	11014	11115	10937	-36.4	-28.3	-47.9		245	6.0	9.6
200	12522	12674	12434	-48.5	-37.7	-61.9		238	6.1	10.4
175	13384	13554	13290	-55.8	-45.1	-73.5		237	5.3	10.6
150	14350	14575	14239	-63.4	-51.9	-75.9		229	3.7	9.9
125	15450	15736	15315	-70.6	-58.1	-81.9		194	0.8	9.3
100	16758	17127	16575	-74.6	-61.9	-84.7		082	3.8	9.0
80	18066	18486	17860	-71.8	-55.9	-80.7		078	7.0	8.9
70	18866	19282	18659	-67.7	-50.5	-77.9		075	8.0	9.6
60	19796	20200	19582	-62.9	-50.1	-76.3		083	9.3	10.2
50	20926	21280	20728	-58.3	-44.5	-73.7		085	10.2	11.0
40	22345	22618	22101	-54.2	-41.9	-68.3		082	12.4	12.9
30	24210	24512	23931	-50.0	-35.7	-63.1				
25	25388	26067	25126	-47.9	-35.9	-59.3				
20	26887	27577	26627	-45.7	-34.9	-58.3				
15	28807	29571	28494	-43.3	-31.1	-56.1				
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
545	5170	5750	4600				103	16600	-75.8

NORMALS OF RADIOSONDE DATA

MONTH : OCTOBER TIME : 0530 IST STATION : GWALIOR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	987	991	985	19.7	30.4	12.8	16.0	334	0.1	0.3
1000	88	124	70							
950	516	567	474	24.2	34.6	15.2	11.5	299	0.5	4.4
925	762	798	733	24.3	33.8	16.2	10.1	343	1.1	4.0
900	1007	1034	991	22.8	34.2	13.8	7.6	329	1.7	4.7
850	1501	1524	1485	19.4	27.0	6.2	4.4	327	3.4	5.7
800	2019	2039	1999	15.5	25.0	5.0	1.4	325	4.7	6.7
750	2557	2584	2523	11.6	21.4	3.6	-1.9	325	5.5	7.4
700	3134	3162	3107	7.7	19.0	-0.7	-5.3	321	5.3	7.4
650	3738	3769	3696	4.3	16.6	-5.5	-9.5	315	4.9	7.2
600	4388	4424	4347	1.2	12.6	-10.3	-12.7	298	4.9	7.4
550	5086	5135	5015	-2.3	6.8	-14.5	-16.0	283	6.2	8.6
500	5835	5882	5788	-6.6	2.8	-18.3	-19.3	276	8.4	10.7
450	6651	6703	6578	-11.4	-2.1	-24.1		274	11.2	13.4
400	7544	7616	7477	-17.0	-6.9	-28.1		270	14.0	16.1
350	8532	8601	8445	-23.5	-12.1	-36.9		266	16.9	18.9
300	9645	9730	9531	-30.9	-20.7	-44.5		263	20.0	21.9
250	10914	11027	10771	-39.8	-28.9	-54.3		259	23.1	24.9
200	12401	12522	12232	-50.8	-39.1	-64.1		258	24.6	26.4
175	13257	13455	13082	-57.0	-44.7	-67.5		257	24.5	26.0
150	14217	14445	14048	-63.5	-47.9	-75.3		257	21.8	23.4
125	15314	15651	15155	-69.7	-54.1	-82.0		258	18.3	20.0
100	16623	17090	16419	-73.5	-58.5	-83.1		259	11.8	14.3
80	17932	18422	17557	-70.5	-50.9	-80.7		276	4.1	10.6
70	18738	19092	18300	-66.9	-42.9	-78.1		310	0.7	9.5
60	19666	19945	19200	-62.8	-47.9	-75.0		100	2.3	9.6
50	20799	21107	20262	-58.6	-44.1	-72.0		074	2.4	8.8
40	22209	22623	21581	-54.7	-40.1	-69.0		087	5.1	9.3
30	24056	24656	23887	-50.8	-38.5	-57.9				
25	25241	25920	25052	-48.4	-34.1	-56.7				
20	26702	27427	26377	-46.5	-32.7	-57.9				
15	28602	28978	28285	-43.9	-31.3	-55.1				
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
585	4610	5350	3910				106	16280	-74.3

NORMALS OF RADIOSONDE DATA

MONTH : NOVEMBER TIME : 0530 IST STATION : GWALIOR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	991	993	989	13.7	23.4	7.0	10.5	352	0.1	0.2
1000	125	144	114							
950	547	580	474	20.2	29.8	9.0	6.6	009	1.0	4.0
925	786	810	765	20.0	29.2	9.8	5.0	355	1.4	3.8
900	1028	1046	1013	18.6	30.4	8.8	3.2	341	1.9	4.4
850	1515	1535	1498	15.4	25.8	6.8	0.2	324	3.3	5.4
800	2026	2049	2005	12.3	20.8	3.8	-2.8	316	4.4	6.5
750	2562	2597	2539	9.4	21.0	-3.9	-5.9	308	5.2	7.1
700	3132	3168	3105	6.5	17.6	-6.7	-8.6	300	5.8	7.7
650	3735	3784	3710	3.5	14.4	-7.7	-11.4	290	6.8	8.7
600	4383	4428	4354	.1	10.6	-9.1	-15.2	284	8.5	10.5
550	5075	5140	5025	-3.9	6.2	-13.7		280	10.7	12.6
500	5821	5881	5779	-8.4	1.2	-16.9		278	13.4	15.3
450	6629	6708	6578	-13.9	-3.7	-25.1		276	16.2	18.5
400	7515	7602	7451	-20.1	-8.5	-33.3		274	19.7	21.9
350	8492	8586	8413	-26.7	-16.9	-38.5		271	23.6	26.1
300	9590	9705	9491	-34.3	-25.3	-48.5		268	28.2	30.9
250	10841	10980	10722	-42.9	-33.1	-53.1		265	33.1	35.6
200	12313	12497	12174	-52.7	-38.9	-63.7		264	36.1	38.3
175	13163	13359	13031	-57.9	-45.9	-72.1		262	35.9	37.9
150	14121	14332	13976	-63.1	-48.5	-75.1		268	34.3	36.4
125	15226	15438	15018	-68.0	-53.5	-79.1		270	27.5	29.7
100	16559	16819	16398	-71.3	-56.1	-83.1		271	22.5	24.2
80	17880	18190	17712	-70.5	-57.5	-81.3				
70	18681	19039	18508	-67.8	-53.1	-79.5				
60	19614	20034	19424	-63.8	-49.7	-75.9				
50	20747	21247	20523	-59.4	-41.1	-70.1				
40	22146	22792	21735	-54.9	-32.3	-66.7				
30	24000	24581	23818	-50.6	-36.1	-60.7				
25	25168	25378	24926	-49.0	-35.3	-62.1				
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
604	4320	4960	3850				106	16280	-72.1

NORMALS OF RADIOSONDE DATA

MONTH : DECEMBER TIME : 0530 IST STATION : GWALIOR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	993	995	990	9.1	18.0	2.2	6.1	003	0.1	0.2
1000	147	167	126							
950	560	591	503	15.7	24.2	5.6	4.6	005	1.6	4.2
925	799	815	764	15.0	22.6	5.4	2.8	338	2.2	4.0
900	1036	1055	1013	14.5	25.0	4.2	0.5	327	2.3	4.6
850	1517	1540	1492	12.4	23.2	1.4	-3.0	307	3.7	5.7
800	2023	2049	1996	10.2	20.8	-1.7	-5.5	295	5.0	6.8
750	2555	2582	2530	7.7	19.0	-3.7	-7.5	289	6.4	8.1
700	3122	3166	3103	4.9	17.2	-6.9	-10.3	283	7.7	9.4
650	3721	3766	3682	1.6	13.8	-11.1	-13.2	280	9.8	11.3
600	4364	4434	4326	-2.0	10.6	-14.3	-16.4	276	12.3	13.7
550	5051	5144	5001	-6.3	4.0	-15.7	-21.2	274	14.9	16.4
500	5789	5886	5728	-11.2	-0.7	-21.5	-24.6	273	18.3	19.9
450	6589	6694	6516	-16.7	-6.3	-28.1	-28.6	273	22.5	24.4
400	7465	7594	7379	-22.8	-13.3	-35.5		272	26.1	27.9
350	8429	8578	8327	-29.4	-19.9	-43.7		269	30.7	32.7
300	9513	9685	9389	-37.0	-25.1	-51.1		268	35.0	37.2
250	10741	10942	10469	-45.7	-30.7	-57.9		265	40.0	42.6
200	12200	12403	12030	-54.9	-42.3	-66.5		261	42.5	44.8
175	13042	13267	12858	-59.1	-46.5	-72.7		259	41.4	43.9
150	13991	14219	13811	-63.1	-51.1	-76.7		260	40.0	41.6
125	15094	15336	14897	-67.3	-56.1	-83.0				
100	16425	16727	16228	-70.7	-60.5	-83.1				
80	17741	18055	17495	-70.9	-56.7	-84.9				
70	18537	18872	18260	-69.0	-46.9	-81.3				
60	19464	19825	19308	-65.6	-55.1	-75.7				
50	20592	20942	20418	-61.6	-49.5	-70.5				
40	21999	22348	21784	-57.4	-46.1	-68.3				
30	23836	24217	23643	-52.9	-40.1	-61.5				
25	25009	25384	24773	-51.0	-35.3	-63.7				
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
632	3960	4950	3300				105	16210	-71.9

NORMALS OF RADIOSONDE DATA

MONTH : JANUARY TIME : 0530 IST STATION : HYDERABAD

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	954	957	951	17.0	23.0	10.0	13.5	123	2.0	2.6
1000	135	164	112							
950	566	594	516	17.0	22.8	10.0	13.2	124	3.0	3.7
925	788	801	778	19.0	25.4	11.4	12.2	119	3.8	5.1
900	1035	1061	1012	17.8	28.2	6.0	9.1	117	3.8	5.2
850	1522	1549	1497	15.5	27.2	6.0	4.6	084	1.9	4.8
800	2034	2061	2006	12.7	23.8	5.0	0.2	008	1.3	4.9
750	2570	2597	2544	10.0	21.0	2.0	-3.6	327	1.9	5.2
700	3143	3181	3115	7.4	18.0	0.0	-7.4	301	2.6	6.0
650	3749	3776	3719	4.6	16.8	-5.1	-11.9	286	4.1	7.0
600	4397	4444	4362	1.2	12.0	-8.0	-14.5	280	5.9	8.5
550	5094	5151	5044	-3.0	6.8	-14.0	-18.3	277	7.7	9.9
500	5840	5900	5797	-7.7	1.0	-20.0		275	9.5	11.7
450	6651	6721	6604	-12.9	-3.1	-26.0		274	11.9	14.1
400	7540	7625	7484	-18.8	-9.1	-35.0		272	14.7	16.7
350	8524	8608	8466	-25.3	-15.1	-42.0		270	17.7	19.7
300	9627	9753	9557	-33.3	-22.3	-49.0		265	20.1	22.0
250	10884	11056	10795	-42.9	-28.1	-56.0		258	21.4	23.4
200	12352	12549	12244	-54.5	-39.3	-66.1		255	21.9	24.1
175	13194	13406	13074	-60.9	-44.9	-71.0		256	21.2	23.4
150	14138	14378	14008	-67.5	-50.7	-77.5		256	19.0	21.4
125	15220	15506	15087	-73.6	-55.3	-83.7		258	15.0	17.4
100	16506	16810	16356	-78.8	-61.1	-88.3		263	10.2	13.1
80	17776	18100	17641	-76.9	-62.9	-87.0		267	5.9	9.1
70	18563	18907	18394	-73.3	-58.1	-85.3		264	4.2	7.7
60	19466	19824	19287	-68.5	-56.0	-81.7		266	2.9	7.1
50	20577	21010	20402	-63.5	-51.3	-76.7		295	1.4	6.6
40	21957	22387	21771	-59.2	-45.7	-70.9		033	0.5	7.3
30	23775	24241	23518	-55.0	-44.5	-65.7		325	0.6	8.2
25	24941	25426	24767	-53.1	-43.1	-65.5		280	0.6	9.0
20	26397	26817	26233	-50.7	-40.1	-64.9		286	1.9	10.2
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
587	4580	5030	4110				098	16660	-80.7

NORMALS OF RADIOSONDE DATA

MONTH : FEBRUARY TIME : 0530 IST STATION : HYDERABAD

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	952	956	949	19.6	24.6	12.0	14.4	133	1.9	2.8
1000	115	150	83							
950	555	588	522	19.7	26.6	12.0	14.0	133	2.9	4.0
925	774	788	759	20.7	28.2	12.8	12.7	128	3.5	5.3
900	1024	1055	995	20.2	28.0	11.4	9.5	132	3.4	5.6
850	1515	1543	1487	17.6	25.0	7.0	5.3	134	1.5	5.3
800	2029	2058	2002	14.0	22.6	4.8	2.1	284	1.0	5.3
750	2567	2593	2537	10.2	19.4	3.8	-1.1	294	2.9	5.9
700	3140	3176	3108	6.9	16.4	-1.0	-5.7	292	4.0	6.9
650	3744	3777	3719	4.1	13.0	-5.7	-10.5	288	5.3	8.0
600	4392	4435	4361	0.9	8.0	-7.1	-14.5	281	7.0	9.5
550	5089	5142	5055	-3.1	4.2	-11.9	-18.2	277	8.7	10.9
500	5833	5882	5787	-7.8	0.6	-17.3		277	10.7	12.8
450	6646	6703	6591	-12.9	-1.5	-23.1		275	12.8	14.9
400	7534	7591	7470	-18.6	-5.7	-31.1		274	15.3	17.7
350	8519	8586	8453	-25.2	-12.1	-38.5		271	18.1	20.5
300	9621	9709	9532	-33.0	-19.1	-48.3		266	20.2	22.7
250	10879	10986	10776	-42.5	-30.1	-56.1		261	21.6	24.0
200	12351	12492	12230	-53.9	-43.3	-64.1		261	21.5	24.0
175	13195	13353	13066	-60.4	-49.1	-72.1		261	20.4	23.0
150	14139	14322	13996	-67.2	-54.1	-77.5		261	18.8	21.2
125	15219	15431	15062	-73.3	-55.1	-83.3		263	15.0	17.5
100	16506	16752	16332	-78.5	-68.7	-88.5		267	10.4	13.2
80	17782	18065	17608	-76.7	-62.1	-89.1		268	6.3	9.4
70	18565	18885	18391	-73.2	-56.5	-84.1		268	5.3	8.3
60	19467	19808	19319	-68.7	-53.5	-81.5		270	3.9	7.2
50	20574	20950	20411	-63.4	-48.1	-79.5		279	2.4	6.7
40	21950	22352	21793	-59.4	-45.5	-76.3		315	1.2	6.7
30	23769	24211	23508	-54.8	-44.5	-73.1		346	0.9	7.9
25	24928	25300	24633	-52.2	-40.3	-71.7		299	0.6	8.4
20	26402	26730	25685	-49.5	-38.1	-68.7		274	2.3	8.5
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
590	4530	5100	3880				098	16660	-80.4

NORMALS OF RADIOSONDE DATA

MONTH : MARCH TIME : 0530 IST STATION : HYDERABAD

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	951	953	947	22.7	29.0	15.6	15.3	154	1.5	2.7
1000	97	125	62							
950	544	573	510	22.5	28.2	16.0	14.7	157	2.4	4.1
925	762	771	744	24.7	33.0	18.6	13.0	153	2.8	4.9
900	1015	1040	984	23.9	37.8	14.0	8.7	159	2.9	5.7
850	1512	1534	1485	21.1	35.2	10.2	5.0	156	1.8	5.5
800	2032	2056	2008	17.3	30.2	7.6	2.2	256	0.1	5.0
750	2572	2600	2551	12.7	24.0	3.2	-0.1	321	1.7	5.3
700	3152	3179	3127	8.0	19.4	0.8	-3.0	317	2.8	5.9
650	3756	3787	3734	3.9	16.2	-3.1	-7.3	307	3.5	6.6
600	4404	4437	4368	0.5	9.0	-7.1	-11.9	298	4.1	7.1
550	5100	5150	5064	-3.2	6.0	-13.1	-17.2	290	5.5	8.4
500	5846	5892	5805	-7.6	1.0	-15.7	-21.1	283	7.3	10.0
450	6658	6718	6621	-12.9	-2.0	-25.1	-26.6	280	9.4	11.9
400	7547	7623	7500	-18.9	-8.0	-28.7		278	11.6	14.2
350	8529	8603	8469	-25.6	-14.9	-35.9		272	14.5	17.1
300	9630	9747	9553	-33.3	-22.7	-44.9		267	17.6	20.2
250	10886	11032	10789	-42.6	-32.1	-52.3		262	19.7	22.1
200	12359	12537	12244	-53.6	-43.7	-65.5		259	20.3	22.7
175	13204	13408	13081	-59.9	-49.9	-71.1		260	19.6	21.9
150	14153	14375	14019	-66.4	-56.1	-78.1		261	17.5	19.8
125	15240	15506	15090	-72.6	-62.1	-83.0		262	14.5	16.8
100	16530	16829	16375	-78.1	-61.1	-88.1		265	9.7	12.5
80	17802	18128	17640	-76.2	-63.0	-90.1		268	5.4	8.8
70	18589	18941	18412	-72.5	-58.1	-85.7		268	4.7	8.0
60	19498	19852	19317	-67.7	-54.5	-80.7		271	3.8	7.2
50	20611	20989	20423	-62.4	-46.5	-80.1		278	2.1	6.7
40	21983	22429	21787	-58.1	-43.3	-82.9		356	0.4	7.4
30	23802	24300	23584	-53.3	-38.7	-74.9		356	1.1	7.7
25	24968	25620	24741	-50.7	-38.7	-71.9		051	1.1	8.8
20	26438	27157	26122	-47.8	-35.5	-65.9		279	0.7	9.3
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
594	4490	5130	4070				097	16710	-79.9

NORMALS OF RADIOSONDE DATA

MONTH : APRIL TIME : 0530 IST STATION : HYDERABAD

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	949	951	945	26.0	31.2	19.0	17.3	194	1.1	3.0
1000	73	99	39							
950	525	556	475	25.1	30.0	19.4	17.5	177	2.0	4.3
925	747	761	729	26.5	32.8	18.6	15.8	178	2.6	5.9
900	1001	1025	972	26.0	35.0	16.0	11.5	203	2.5	6.3
850	1501	1524	1477	23.4	33.8	14.0	7.5	204	2.1	5.9
800	2027	2046	2007	19.7	29.4	10.2	4.5	215	0.8	4.9
750	2573	2594	2551	15.2	25.0	6.6	1.7	009	0.9	4.6
700	3156	3177	3139	10.2	19.0	1.8	-1.0	010	2.1	5.0
650	3764	3781	3745	5.1	15.8	-4.7	-3.9	006	2.6	5.6
600	4414	4452	4386	0.6	12.4	-6.9	-8.0	353	2.5	6.0
550	5112	5159	5073	-3.2	8.0	-11.9	-13.5	322	2.4	6.5
500	5857	5915	5815	-7.2	3.6	-16.9	-19.2	296	3.9	7.9
450	6672	6746	6622	-12.1	-1.5	-22.0	-24.3	286	6.0	9.5
400	7562	7647	7506	-18.0	-6.3	-31.0	-28.9	278	8.2	11.2
350	8548	8632	8485	-24.6	-12.9	-35.0	-34.6	271	11.1	13.9
300	9654	9780	9571	-32.5	-20.3	-43.3	-40.7	265	13.9	16.9
250	10915	11067	10822	-41.8	-28.5	-54.7		257	16.3	19.2
200	12392	12587	12286	-53.0	-39.5	-66.0		252	17.5	20.1
175	13241	13454	13130	-59.2	-42.9	-69.1		252	16.2	18.7
150	14190	14432	14064	-66.1	-50.9	-76.1		253	13.9	16.3
125	15274	15535	15140	-72.5	-58.1	-85.5		256	9.5	12.7
100	16563	16835	16436	-78.1	-66.1	-88.5		257	4.2	9.4
80	17843	18135	17713	-76.1	-58.7	-89.9		285	0.4	7.1
70	18633	18950	18491	-72.2	-51.5	-85.3		052	0.4	6.2
60	19543	19882	19398	-67.2	-50.1	-80.1		057	0.5	5.9
50	20665	21053	20500	-61.2	-42.9	-74.1		060	1.7	6.0
40	22055	22491	21889	-56.4	-41.1	-69.9		077	3.2	6.8
30	23904	24440	23714	-51.5	-39.7	-65.3		082	4.8	7.7
25	25079	25668	24887	-49.3	-39.5	-60.3		083	5.3	8.5
20	26554	27060	26345	-46.7	-35.9	-58.5		088	6.5	10.2
15										
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FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
590	4560	5320	4040				096	16800	-80.0

NORMALS OF RADIOSONDE DATA

MONTH : MAY TIME : 0530 IST STATION : HYDERABAD

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	946	952	944	27.7	39.0	20.2	17.9	266	2.2	3.9
1000	50	98	28							
950	500	554	430							
925	727	738	718	27.0	33.0	20.2	17.0	266	4.1	7.1
900	981	1020	959	26.0	36.0	17.0	13.7	278	5.0	8.4
850	1482	1518	1459	23.6	31.4	13.6	10.0	292	4.6	8.1
800	2008	2042	1985	20.2	28.2	6.8	6.9	310	3.0	6.2
750	2555	2586	2526	16.0	26.2	3.8	4.0	354	2.4	5.2
700	3141	3170	3120	11.4	19.0	3.0	1.0	020	3.0	5.4
650	3749	3776	3729	6.4	15.4	-3.7	-2.3	031	3.7	6.0
600	4405	4431	4381	1.7	11.2	-8.1	-6.1	036	3.8	6.5
550	5104	5147	5069	-2.4	7.0	-10.7	-10.9	029	3.5	6.5
500	5852	5883	5820	-6.2	3.0	-17.1	-15.6	006	3.0	6.9
450	6670	6710	6639	-10.6	-2.9	-20.5	-20.7	342	3.0	7.5
400	7567	7621	7528	-16.0	-6.1	-25.1	-25.8	317	3.2	7.9
350	8562	8618	8517	-22.5	-10.9	-31.1	-31.6	286	3.3	8.3
300	9678	9771	9621	-30.3	-16.9	-41.7	-38.8	263	3.9	8.6
250	10950	11071	10882	-40.0	-25.9	-54.1		243	5.1	9.7
200	12436	12573	12363	-51.8	-42.1	-68.7		221	5.4	10.6
175	13289	13445	13201	-58.6	-48.1	-72.5		208	5.2	10.9
150	14242	14417	14127	-66.0	-54.3	-75.9		183	4.2	10.5
125	15327	15512	15186	-72.9	-59.1	-83.1		136	4.3	10.2
100	16618	16819	16424	-78.6	-66.7	-89.3		105	7.4	10.4
80	17893	18121	17631	-75.8	-58.7	-87.5		096	8.3	10.2
70	18684	18947	18392	-71.2	-53.3	-85.0		092	7.4	8.9
60	19596	19879	19296	-66.0	-46.1	-80.0		086	7.0	8.3
50	20723	21023	20391	-60.4	-41.5	-76.9		082	8.1	9.2
40	22110	22437	21920	-56.1	-37.9	-69.7		085	9.8	10.5
30	23948	24296	23772	-51.1	-35.3	-62.9		087	12.5	12.9
25	25112	25583	24928	-49.3	-33.9	-60.3		086	13.6	14.2
20	26552	27103	26390	-47.2	-32.5	-60.1		087	15.6	16.2
15										
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FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
579	4680	5330	4350				097	16810	-80.5

NORMALS OF RADIOSONDE DATA

MONTH : JUNE TIME : 0530 IST STATION : HYDERABAD

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	945	948	942	25.3	35.0	21.0	20.3	265	4.8	5.4
1000	37	68	8							
950	486	598	432							
925	708	731	694	24.7	31.2	19.6	19.4	264	8.0	8.9
900	962	991	935	23.0	34.0	14.8	17.9	274	9.8	10.9
850	1458	1485	1432	20.7	31.8	12.0	15.1	284	10.5	12.0
800	1981	2007	1954	18.1	29.8	9.0	11.9	287	8.3	10.2
750	2528	2560	2502	14.9	24.6	7.0	8.5	290	5.7	8.2
700	3111	3137	3077	11.2	19.4	3.0	5.1	293	3.6	7.1
650	3722	3745	3690	7.2	13.6	-3.9	1.3	298	2.6	6.9
600	4380	4404	4340	3.2	9.2	-4.1	-2.4	301	2.2	6.8
550	5085	5125	5040	-0.8	6.0	-10.0	-6.4	298	2.1	6.4
500	5836	5865	5789	-4.6	1.4	-14.7	-10.6	297	1.8	6.0
450	6661	6694	6605	-9.0	-1.7	-17.1	-15.3	325	1.2	5.7
400	7562	7600	7500	-14.3	-5.1	-28.0	-21.1	036	1.1	5.4
350	8564	8615	8490	-20.7	-12.3	-28.1	-27.4	071	2.7	5.8
300	9688	9757	9611	-28.6	-15.0	-37.9	-35.1	081	5.3	7.1
250	10968	11059	10883	-38.5	-28.5	-47.7	-44.1	084	8.2	9.8
200	12463	12587	12359	-50.9	-41.7	-61.1	-56.0	086	12.5	14.0
175	13319	13463	13201	-58.0	-49.7	-68.1		087	15.2	16.6
150	14273	14435	14126	-65.9	-52.0	-75.5		086	18.9	20.1
125	15356	15544	15180	-73.6	-61.1	-85.5		087	22.5	23.5
100	16635	16852	16416	-79.8	-68.9	-89.1		090	23.7	24.4
80	17911	18160	17646	-76.4	-62.3	-88.0		089	18.9	19.5
70	18700	18972	18439	-71.7	-56.9	-87.0		086	16.6	17.1
60	19614	19900	19314	-66.4	-50.1	-79.5		083	15.1	15.6
50	20731	20932	20446	-61.4	-44.5	-75.0		084	15.9	16.4
40	22125	22356	21805	-57.2	-45.1	-71.0		087	17.5	17.9
30	23978	24214	23824	-52.3	-39.5	-62.9		087	20.6	21.1
25	25151	25480	25065	-49.9	-35.7	-60.5		089	22.2	22.5
20	26621	26978	26471	-47.9	-38.9	-58.5		091	22.1	22.7
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FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
559	4960	5450	4640				098	16750	-81.6

NORMALS OF RADIOSONDE DATA

MONTH : JULY TIME : 0530 IST STATION : HYDERABAD

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	945	948	942	23.8	33.0	20.8	20.7	265	5.2	5.5
1000	41	75	15							
950	477	550	432							
925	705	711	699	23.1	29.0	18.6	19.9	261	9.0	9.6
900	961	993	939	21.5	29.0	14.6	18.6	271	10.7	11.4
850	1455	1487	1434	19.1	25.8	11.0	16.2	280	12.6	13.3
800	1975	2004	1952	16.5	24.0	9.8	13.1	282	11.7	12.5
750	2518	2550	2496	13.6	21.0	6.0	9.8	280	9.9	10.8
700	3101	3128	3073	10.6	18.6	4.0	5.9	281	8.0	9.1
650	3712	3737	3683	7.2	18.0	0.0	2.0	282	6.5	8.0
600	4369	4398	4334	3.5	12.2	-4.0	-1.6	284	5.5	7.4
550	5074	5114	5032	-0.3	8.0	-8.0	-5.5	282	4.3	6.8
500	5828	5863	5788	-4.3	3.8	-12.1	-9.9	285	2.9	6.1
450	6652	6691	6606	-8.7	-1.1	-15.3	-14.5	300	1.1	5.6
400	7558	7605	7509	-14.1	-6.1	-21.7	-20.5	076	1.5	5.6
350	8560	8607	8502	-20.5	-12.0	-28.1	-27.1	083	4.6	6.7
300	9685	9752	9624	-28.5	-19.1	-37.9	-35.1	084	8.5	9.6
250	10967	11047	10898	-38.4	-28.5	-48.7	-44.9	083	13.5	14.2
200	12461	12562	12372	-50.9	-40.1	-63.7	-56.6	081	20.2	20.8
175	13317	13432	13202	-58.2	-47.3	-78.0		080	24.1	24.6
150	14270	14398	14155	-66.1	-53.7	-78.3		079	28.3	29.0
125	15353	15491	15224	-73.7	-62.9	-85.1		082	32.4	33.1
100	16640	16805	16461	-78.5	-65.3	-90.3		086	31.6	32.1
80	17931	18110	17733	-73.2	-59.5	-88.0		086	25.1	25.5
70	18729	18924	18505	-69.0	-55.9	-84.0		085	22.2	22.8
60	19655	19850	19380	-64.8	-51.1	-83.0		082	20.9	21.2
50	20780	20984	20514	-60.4	-43.3	-80.0		083	20.8	21.2
40	22175	22441	21815	-56.6	-40.7	-75.0		085	21.9	22.3
30	24005	24356	23570	-52.7	-37.1	-68.0		086	25.3	25.7
25	25182	25542	24966	-50.6	-32.7	-59.5		085	27.5	27.8
20	26648	26952	26402	-48.4	-36.1	-57.5				
15										
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FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
553	5030	5400	4650				103	16480	-80.4

NORMALS OF RADIOSONDE DATA

MONTH : AUGUST TIME : 0530 IST STATION : HYDERABAD

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	945	948	943	23.1	27.0	21.0	20.7	268	5.1	5.4
1000	48	72	26							
950	491	543	437							
925	719	725	709	22.6	28.2	18.6	19.9	268	7.9	8.6
900	967	988	941	21.1	28.0	16.0	18.3	278	10.3	11.0
850	1461	1483	1437	18.7	25.4	12.6	15.9	287	11.8	12.6
800	1979	2005	1953	16.1	24.0	9.8	13.1	288	11.0	11.7
750	2524	2556	2487	13.3	20.8	4.8	9.8	287	9.3	10.2
700	3104	3137	3081	10.3	18.0	3.4	5.8	287	7.7	8.7
650	3716	3755	3678	7.1	15.0	-0.5	1.7	289	6.4	7.6
600	4372	4413	4346	3.4	11.2	-3.9	-2.0	291	5.1	7.0
550	5077	5121	5034	-0.3	7.0	-11.7	-5.9	291	4.1	6.4
500	5831	5880	5797	-4.3	3.4	-13.9	-10.4	294	2.9	6.1
450	6656	6710	6615	-8.8	-1.5	-16.1	-15.1	318	1.0	5.6
400	7560	7620	7515	-14.1	-5.5	-22.0	-20.7	067	1.6	5.8
350	8563	8631	8506	-20.7	-9.9	-29.1	-27.5	084	4.6	6.8
300	9686	9767	9624	-28.7	-19.0	-37.3	-35.7	085	8.0	9.1
250	10967	11068	10891	-38.7	-28.5	-47.3	-44.9	085	12.8	13.5
200	12460	12588	12353	-51.2	-39.3	-60.9	-56.8	083	19.2	19.8
175	13316	13459	13197	-58.4	-47.7	-69.9		081	22.7	23.3
150	14268	14426	14126	-66.4	-54.3	-78.9		080	26.9	27.6
125	15349	15552	15180	-74.2	-62.1	-86.9		082	30.3	31.1
100	16632	16857	16445	-78.6	-65.1	-90.0		087	29.1	29.6
80	17919	18153	17730	-72.2	-61.0	-88.9		087	22.3	22.8
70	18718	18972	18529	-68.2	-55.0	-83.9		085	20.0	20.4
60	19646	19924	19422	-64.7	-54.1	-77.9		084	18.9	19.3
50	20774	21046	20550	-60.8	-47.7	-74.0		085	19.9	20.3
40	22176	22457	21735	-57.2	-44.5	-72.0		084	21.0	21.3
30	23991	24275	23438	-53.6	-38.5	-70.0		086	24.4	24.7
25	25166	25579	24500	-51.2	-39.7	-68.0		088	26.4	26.8
20	26654	27150	26443	-48.7	-35.1	-60.9				
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
553	5020	5370	4660				105	16380	-80.2

NORMALS OF RADIOSONDE DATA

MONTH : SEPTEMBER TIME : 0530 IST STATION : HYDERABAD

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	948	950	945	23.2	26.6	19.0	20.9	270	2.4	3.5
1000	68	95	39							
950	513	555	461	23.7	26.4	20.6	21.1	215	1.4	3.4
925	733	749	722	22.8	26.8	18.0	18.7	272	4.0	6.5
900	987	1013	961	21.8	28.2	15.4	17.5	287	4.2	6.8
850	1482	1507	1458	19.1	26.8	13.0	14.5	303	4.2	7.1
800	2001	2028	1978	16.1	26.2	10.2	11.4	308	3.7	6.5
750	2541	2577	2506	12.9	21.0	6.8	7.7	311	3.0	6.0
700	3123	3161	3102	9.5	17.0	3.2	3.7	315	2.4	5.7
650	3731	3777	3709	6.2	15.0	-2.5	-0.2	314	1.9	5.5
600	4388	4434	4364	2.9	12.2	-4.7	-4.0	316	1.2	5.3
550	5089	5140	5051	-0.7	6.8	-9.5	-8.0	332	0.6	5.3
500	5844	5905	5815	-4.9	2.4	-12.5	-12.6	037	0.7	5.2
450	6665	6735	6626	-9.6	-1.5	-18.9	-17.4	070	1.3	5.1
400	7567	7652	7523	-15.0	-5.3	-23.9	-23.0	084	2.2	5.2
350	8565	8663	8516	-21.7	-13.3	-29.0	-29.6	091	3.7	5.7
300	9685	9800	9620	-29.8	-20.7	-38.5	-37.0	093	5.8	7.0
250	10957	11096	10881	-39.9	-30.1	-50.7	-46.4	093	8.6	9.5
200	12443	12600	12338	-52.4	-41.1	-63.0		092	12.5	13.4
175	13293	13471	13180	-59.6	-48.7	-69.3		092	15.2	16.1
150	14239	14462	14122	-67.4	-57.1	-78.1		091	18.5	19.4
125	15313	15566	15177	-74.8	-63.9	-85.1		092	20.6	21.4
100	16596	16825	16440	-79.0	-65.5	-89.1		092	19.4	19.9
80	17888	18094	17708	-73.2	-57.5	-89.0		086	15.2	15.7
70	18685	18886	18472	-68.9	-54.5	-80.1		085	14.1	14.5
60	19612	19915	19389	-65.0	-54.1	-74.1		083	14.6	15.0
50	20734	21042	20486	-61.0	-47.9	-70.5		085	15.7	16.1
40	22118	22388	21783	-58.0	-46.5	-66.7		086	17.5	17.7
30	23954	24549	23609	-53.6	-38.5	-62.1		088	21.4	21.8
25	25126	25749	24652	-51.9	-40.7	-61.1		088	22.7	22.9
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
559	4950	5450	4730				105	16340	-80.7

NORMALS OF RADIOSONDE DATA

MONTH : OCTOBER TIME : 0530 IST STATION : HYDERABAD

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	950	953	947	21.7	26.4	14.0	19.2	083	0.7	2.4
1000	94	126	65							
950	536	567	477	21.4	25.2	15.0	18.2	097	1.8	3.1
925	758	791	744	22.6	27.0	17.6	17.3	083	1.8	4.7
900	1008	1038	981	21.2	28.2	14.0	14.4	069	2.2	5.2
850	1501	1530	1472	18.4	27.2	11.2	10.7	054	3.2	6.0
800	2018	2048	1988	15.1	24.4	7.8	6.9	043	3.5	6.2
750	2558	2593	2512	11.9	21.2	3.0	3.4	035	3.3	6.1
700	3136	3166	3104	8.7	19.4	-3.0	0.0	035	2.6	5.8
650	3743	3784	3720	5.6	14.6	-5.9	-3.1	039	1.9	5.4
600	4396	4439	4365	2.4	10.8	-5.7	-6.3	056	1.4	5.3
550	5098	5141	5049	-1.2	8.4	-9.1	-10.2	067	1.4	5.4
500	5849	5899	5813	-5.4	5.2	-12.9	-14.4	072	1.4	5.5
450	6670	6726	6636	-10.2	-1.5	-16.7	-19.2	072	1.1	5.6
400	7568	7633	7537	-15.8	-8.3	-23.0	-24.9	092	0.7	5.7
350	8563	8636	8525	-22.6	-13.3	-30.1	-31.5	155	0.7	5.9
300	9678	9765	9634	-30.7	-21.7	-39.9	-39.1	187	1.6	6.6
250	10946	11058	10892	-40.7	-29.1	-49.9	-47.9	180	2.8	7.8
200	12426	12575	12356	-53.0	-35.9	-64.1		166	4.5	9.9
175	13273	13438	13196	-60.1	-47.7	-71.9		156	5.2	10.6
150	14219	14407	14129	-67.7	-56.1	-77.1		143	6.0	11.1
125	15295	15504	15193	-74.7	-61.7	-84.3		126	6.6	10.9
100	16574	16791	16464	-79.0	-65.0	-88.0		103	7.1	9.7
80	17857	18090	17729	-73.8	-59.3	-86.0		092	6.5	8.1
70	18654	18895	18479	-69.7	-50.1	-82.1		089	6.6	8.0
60	19569	19794	19310	-65.6	-49.5	-78.1		086	7.7	8.8
50	20687	20895	20442	-61.2	-48.3	-74.3		085	10.3	11.0
40	22076	22408	21744	-57.5	-43.3	-69.9		085	12.4	12.8
30	23913	24345	23562	-53.3	-35.1	-64.3		088	14.2	14.7
25	25068	25410	24832	-51.6	-35.9	-63.3		088	15.6	16.0
20	26525	26849	26256	-49.2	-38.9	-61.7		089	16.0	16.6
15	28442	28899	28075	-46.9	-36.9	-61.1				
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
567	4860	5260	4440				103	16390	-80.8

NORMALS OF RADIOSONDE DATA

MONTH : NOVEMBER TIME : 0530 IST STATION : HYDERABAD

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	953	956	949	18.6	25.0	11.0	15.6	087	1.8	2.6
1000	121	155	89							
950	556	589	527	18.6	27.6	11.0	15.2	093	2.8	3.7
925	774	790	750	20.4	26.2	13.8	13.6	087	4.1	5.4
900	1026	1059	995	19.0	27.6	9.2	11.1	079	4.4	5.8
850	1515	1549	1485	16.4	28.0	8.0	7.0	070	4.4	6.1
800	2029	2064	1998	13.9	22.4	6.0	3.4	062	3.7	6.0
750	2568	2610	2525	11.5	24.0	4.8	0.3	058	3.0	5.6
700	3144	3188	3110	8.9	19.6	-1.3	-2.1	058	2.5	5.3
650	3752	3802	3718	5.8	15.0	-4.5	-5.3	055	2.1	5.6
600	4404	4459	4369	2.5	12.4	-4.3	-9.1	046	1.6	5.8
550	5104	5164	5039	-1.2	9.2	-10.7	-12.5	023	1.3	6.1
500	5855	5925	5818	-5.8	6.6	-13.7	-16.8	338	1.3	6.6
450	6673	6752	6623	-10.9	1.4	-18.9	-21.2	303	2.0	7.0
400	7569	7662	7524	-16.8	-6.1	-25.9	-26.9	288	3.5	7.8
350	8559	8665	8506	-23.7	-11.0	-31.5	-33.3	268	5.3	8.8
300	9669	9787	9608	-31.8	-19.9	-39.9		254	7.8	10.5
250	10932	11072	10857	-41.8	-29.3	-51.5		241	9.9	12.4
200	12409	12595	12316	-53.8	-37.9	-63.5		228	11.8	14.6
175	13251	13471	13144	-60.7	-49.3	-73.7		227	11.4	14.5
150	14191	14435	14067	-68.0	-54.1	-79.5		230	10.0	13.1
125	15265	15547	15127	-74.5	-60.1	-88.1		238	6.3	9.7
100	16545	16858	16382	-79.1	-65.7	-89.1		219	1.3	7.6
80	17821	18137	17653	-75.7	-63.0	-89.5		088	2.1	6.5
70	18609	18932	18434	-71.6	-58.9	-85.5		089	2.2	5.6
60	19519	19827	19319	-67.1	-54.9	-77.9		086	2.7	5.9
50	20637	20955	20414	-61.8	-48.3	-76.3		082	4.1	6.7
40	22036	22356	21819	-57.7	-44.3	-69.5		083	6.7	8.4
30	23861	24216	23511	-53.3	-39.7	-68.0		085	8.1	9.7
25	25031	25407	24793	-51.2	-40.5	-68.0		087	9.0	10.7
20	26501	26899	26245	-48.5	-38.5	-58.7		088	9.4	10.9
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
568	4840	5410	4500				101	16520	-80.7

NORMALS OF RADIOSONDE DATA

MONTH : DECEMBER TIME : 0530 IST STATION : HYDERABAD

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	955	957	952	16.1	22.6	10.0	12.8	105	2.0	2.5
1000	141	166	117							
950	571	599	529	16.4	22.2	10.0	12.5	108	2.9	3.5
925	793	804	784	18.3	24.8	10.6	11.2	097	4.2	5.0
900	1039	1065	1017	17.2	28.0	7.0	8.7	096	4.1	5.1
850	1525	1554	1501	15.2	27.0	5.6	3.7	078	3.2	5.0
800	2036	2070	2011	13.1	26.4	3.0	-0.3	059	2.3	4.9
750	2573	2614	2541	10.9	26.2	1.2	-3.1	047	1.6	4.9
700	3149	3191	3122	8.5	22.8	0.0	-6.0	011	0.9	5.0
650	3755	3807	3726	5.5	16.6	-5.1	-9.0	316	1.4	5.7
600	4406	4463	4374	1.8	10.8	-5.3	-11.9	295	2.3	6.4
550	5104	5167	5061	-2.2	6.6	-9.7	-15.5	284	3.5	7.2
500	5852	5921	5815	-7.0	1.0	-14.9	-19.4	275	4.8	8.3
450	6666	6747	6626	-12.4	-3.5	-22.7	-24.1	272	6.8	9.8
400	7556	7646	7511	-18.3	-8.1	-29.3	-29.2	268	9.1	11.9
350	8542	8639	8488	-25.1	-15.7	-36.3	-35.1	266	12.1	14.6
300	9644	9751	9572	-33.3	-22.1	-44.7		261	15.1	17.6
250	10900	11025	10807	-43.0	-31.0	-56.7		253	17.7	20.4
200	12368	12543	12256	-54.6	-41.1	-72.0		246	19.6	22.6
175	13211	13424	13090	-61.1	-46.7	-71.5		247	19.3	21.8
150	14154	14397	14020	-67.7	-52.1	-77.5		249	17.8	20.0
125	15233	15509	15042	-73.5	-59.0	-84.1		254	13.8	15.8
100	16518	16846	16383	-78.5	-67.0	-89.9		260	7.9	11.3
80	17792	18143	17637	-76.6	-53.1	-87.7		264	2.5	7.8
70	18576	18950	18408	-73.1	-60.1	-85.1		273	0.9	6.5
60	19483	19876	19293	-68.4	-54.1	-82.3		037	0.1	5.8
50	20592	21011	20385	-63.2	-47.7	-77.0		079	0.6	5.7
40	21964	22433	21738	-59.1	-43.7	-73.5		073	1.9	6.1
30	23777	24405	23568	-54.6	-42.1	-67.9		060	2.5	8.1
25	24937	25707	24716	-52.2	-38.1	-62.9		065	2.5	8.0
20	26411	27232	26150	-49.1	-36.1	-58.7		084	1.8	8.7
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
577	4710	5320	4430				098	16630	-79.9

NORMALS OF RADIOSONDE DATA

MONTH : JANUARY TIME : 0530 IST STATION : JAGDALPUR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	952	954	950	12.6	27.0	4.4	10.6	034	0.0	0.2
1000	146	166	123							
950	573	591	528	13.2	21.6	5.0	10.8	048	0.5	1.8
925	802	813	792	17.2	26.0	11.6	10.7	056	0.7	3.0
900	1036	1049	1016	17.4	26.0	10.2	8.7	031	0.7	3.5
850	1522	1538	1501	14.8	22.0	7.4	4.7	337	1.5	4.1
800	2032	2051	2010	12.2	20.2	2.2	0.6	329	2.7	5.1
750	2572	2603	2534	9.9	17.6	2.6	-3.5	319	4.1	6.6
700	3139	3167	3111	7.4	14.4	-1.9	-7.4	309	5.1	7.5
650	3748	3789	3706	4.6	13.0	-4.5	-11.2	297	6.5	8.7
600	4393	4427	4361	1.3	9.2	-9.5	-15.1	288	8.4	10.4
550	5098	5136	5051	-2.7	6.2	-13.3	-18.8	284	10.5	12.4
500	5836	5876	5792	-7.3	1.2	-15.5		283	12.8	14.6
450	6653	6704	6597	-12.4	-3.9	-21.1		282	15.0	17.0
400	7539	7593	7478	-18.1	-8.5	-29.7		280	17.7	19.7
350	8527	8590	8455	-24.6	-14.5	-37.3		278	21.1	23.0
300	9631	9712	9551	-32.2	-22.3	-45.5		274	23.6	25.6
250	10895	10983	10801	-41.6	-31.1	-50.7		269	24.6	26.8
200	12370	12481	12253	-53.0	-42.3	-61.9		267	24.3	26.5
175	13220	13341	13093	-59.4	-48.5	-69.9		266	22.8	25.0
150	14172	14322	14011	-65.5	-54.1	-78.1		265	20.5	23.2
125	15261	15473	15077	-71.6	-61.5	-82.9		266	17.1	20.1
100	16562	16751	16345	-76.3	-65.7	-85.9		270	11.8	14.3
80	17848	18064	17611	-75.8	-64.9	-88.5		271	7.0	10.9
70	18640	18881	18380	-72.8	-60.7	-83.3		273	4.5	9.3
60	19546	19780	19275	-67.8	-55.7	-82.5		276	3.9	8.7
50	20657	20915	20397	-62.3	-46.3	-77.5		288	2.3	7.9
40	22046	22336	21783	-57.6	-42.9	-71.5		046	1.9	7.7
30	23884	24219	23618	-53.0	-36.9	-62.7		042	1.8	8.1
25	25043	25405	24785	-51.1	-37.1	-62.7				
20	26479	26921	26217	-49.2	-33.1	-57.5				
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
587	4570	5010	3990				094	16950	-78.4

NORMALS OF RADIOSONDE DATA

MONTH : FEBRUARY TIME : 0530 IST STATION : JAGDALPUR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	951	953	947	15.5	22.2	7.0	11.9	224	0.1	0.3
1000	126	153	95							
950	559	583	492	15.3	21.6	6.2	11.4	072	0.1	1.6
925	793	807	779	18.8	25.6	12.0	12.0	214	0.7	4.0
900	1023	1043	983	19.5	27.0	11.8	9.4	236	0.7	4.1
850	1513	1536	1472	16.8	25.8	10.0	6.0	283	1.6	4.4
800	2026	2049	1985	13.3	23.0	5.2	2.6	296	3.2	5.5
750	2566	2595	2519	9.9	17.4	3.2	-1.3	303	4.8	6.8
700	3134	3161	3095	6.9	17.0	-0.3	-6.0	303	6.3	8.3
650	3740	3777	3715	4.2	14.2	-3.9	-10.5	298	7.9	9.7
600	4386	4419	4357	1.1	10.0	-8.3	-14.7	291	9.7	11.5
550	5090	5133	5054	-2.9	5.4	-11.7	-18.0	287	11.4	13.4
500	5829	5868	5795	-7.4	1.0	-17.3		284	13.4	15.2
450	6645	6701	6598	-12.5	-3.1	-20.1		285	15.6	17.8
400	7532	7585	7473	-18.4	-8.9	-28.9		283	18.2	20.5
350	8518	8571	8442	-25.0	-13.9	-35.9		281	21.1	23.4
300	9619	9689	9533	-32.7	-22.1	-44.1		276	23.8	26.3
250	10877	10945	10779	-42.1	-29.9	-53.1		272	25.4	28.1
200	12350	12438	12238	-53.2	-41.1	-61.9		270	24.4	27.1
175	13194	13299	13070	-59.5	-43.9	-68.1		270	22.9	25.7
150	14146	14277	14007	-65.7	-51.9	-75.7		269	20.8	23.4
125	15236	15419	15078	-71.9	-59.1	-83.9		272	17.5	20.2
100	16528	16749	16365	-76.6	-62.7	-88.5		274	12.4	15.6
80	17809	18066	17639	-75.7	-62.3	-85.1		283	6.0	10.6
70	18595	18881	18416	-72.7	-57.9	-86.1		274	4.5	8.9
60	19493	19772	19326	-67.8	-52.9	-80.9		277	4.6	8.9
50	20604	20909	20435	-61.9	-49.1	-72.9		305	2.6	7.3
40	22005	22365	21819	-56.9	-43.5	-65.9		027	0.6	7.3
30	23820	24196	23629	-52.6	-37.9	-61.9		054	1.0	8.3
25	24994	25368	24773	-50.5	-39.1	-59.3				
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
589	4530	5050	4050				099	16630	-78.1

NORMALS OF RADIOSONDE DATA

MONTH : MARCH TIME : 0530 IST STATION : JAGDALPUR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	949	951	946	19.4	26.6	10.0	14.3	237	0.2	0.4
1000	106	121	83							
950	544	563	500	18.5	24.6	10.8	13.6	254	0.3	1.3
925	778	790	757	22.6	32.0	14.6	12.7	225	2.1	4.2
900	1015	1030	996	22.9	31.6	12.2	9.6	240	1.9	4.4
850	1510	1525	1495	20.4	28.2	11.0	5.8	285	1.9	4.6
800	2030	2046	2016	16.7	24.6	8.8	2.7	306	2.9	5.0
750	2570	2594	2545	12.4	20.6	4.4	-0.3	311	4.2	6.4
700	3148	3172	3133	7.9	17.0	-0.1	-4.0	311	5.6	7.5
650	3750	3790	3722	4.0	12.8	-5.9	-8.3	309	6.7	8.5
600	4400	4441	4377	0.8	9.6	-7.9	-12.9	302	7.5	9.3
550	5102	5148	5068	-2.8	6.0	-13.3	-17.4	294	8.8	10.5
500	5843	5902	5807	-7.3	4.4	-15.7	-22.1	288	10.1	12.1
450	6660	6730	6598	-12.5	-5.1	-24.1	-27.4	285	11.9	13.8
400	7546	7619	7490	-18.4	-8.9	-28.3		284	14.1	16.2
350	8531	8598	8460	-25.0	-12.9	-35.3		281	16.7	19.1
300	9635	9715	9539	-32.5	-19.1	-45.1		277	19.7	22.3
250	10895	10983	10769	-41.6	-30.1	-52.9		272	22.6	25.1
200	12371	12478	12220	-52.3	-39.7	-62.7		269	23.1	25.4
175	13220	13333	13069	-58.5	-43.7	-69.5		269	22.4	24.7
150	14173	14303	14030	-64.3	-49.3	-77.3		269	20.5	22.7
125	15265	15460	15137	-70.5	-56.1	-82.3		270	16.0	18.3
100	16560	16782	16435	-75.7	-65.5	-87.7		270	10.6	13.3
80	17845	18135	17708	-75.9	-61.5	-85.7		277	5.4	9.6
70	18626	18940	18482	-73.1	-55.1	-83.5		286	3.4	8.1
60	19536	19835	19371	-68.1	-48.5	-80.7		294	3.1	7.8
50	20646	20954	20448	-62.0	-45.1	-73.3		289	2.6	7.1
40	22046	22489	21811	-56.6	-40.9	-66.7		350	1.7	7.9
30	23894	24374	23642	-51.6	-36.9	-62.9		021	0.9	8.9
25	25068	25494	24809	-49.5	-35.3	-60.3		325	0.7	9.2
20	26532	26975	26260	-47.2	-35.9	-57.3		294	1.9	9.6
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
592	4520	5230	3960				094	16930	-77.7

NORMALS OF RADIOSONDE DATA

MONTH : APRIL TIME : 0530 IST STATION : JAGDALPUR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	947	949	945	22.9	30.8	16.0	17.3	222	0.4	0.6
1000	78	102	58							
950	520	545	467							
925	760	776	743	24.7	33.0	15.2	16.3	225	4.0	5.0
900	998	1014	976	25.5	34.6	15.0	12.6	241	4.6	5.8
850	1498	1514	1476	23.3	32.6	11.4	8.3	268	3.7	5.3
800	2023	2038	2001	19.8	28.2	8.6	4.6	297	3.1	4.9
750	2569	2598	2533	15.5	24.4	5.8	1.4	322	3.3	5.2
700	3153	3175	3129	10.6	20.0	1.8	-1.5	329	3.9	6.0
650	3759	3790	3720	5.5	15.4	-4.3	-4.5	328	4.5	6.7
600	4413	4446	4380	1.1	11.0	-8.1	-9.3	319	4.7	7.2
550	5116	5163	5062	-2.7	8.6	-12.7	-14.1	306	5.4	7.7
500	5857	5904	5797	-6.7	3.0	-15.9	-19.4	296	6.5	8.9
450	6678	6740	6596	-11.4	-1.9	-22.3	-24.4	289	8.4	10.8
400	7566	7621	7472	-17.3	-6.9	-28.5	-29.2	282	10.6	13.0
350	8558	8613	8441	-24.0	-12.1	-35.9	-34.7	277	13.7	16.1
300	9664	9744	9531	-31.4	-20.1	-45.5	-41.3	272	16.6	19.1
250	10930	11038	10779	-40.5	-29.9	-52.9		266	18.9	21.6
200	12413	12545	12248	-51.4	-41.1	-64.5		260	20.0	22.5
175	13268	13422	13099	-57.4	-47.1	-67.9		259	18.8	21.1
150	14224	14425	14054	-63.8	-51.1	-73.9		260	15.8	18.1
125	15322	15551	15162	-70.3	-55.7	-79.3		262	11.9	14.8
100	16622	16912	16472	-76.0	-61.7	-84.7		262	5.8	10.8
80	17900	18252	17742	-75.4	-60.9	-84.5		284	2.1	8.4
70	18692	19103	18497	-71.9	-55.9	-82.3		311	0.5	7.2
60	19598	20025	19421	-66.5	-48.7	-79.3		320	0.5	6.5
50	20721	21187	20517	-60.3	-45.9	-76.1		056	0.9	6.1
40	22131	22685	21895	-55.0	-42.1	-65.1		082	3.1	6.6
30	23996	24584	23692	-49.9	-35.9	-61.5		086	4.6	7.8
25	25174	25643	24855	-47.4	-34.9	-60.3		098	5.4	8.1
20	26640	27165	26268	-45.5	-32.1	-58.9		095	4.1	8.4
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
585	4620	5180	3880				095	16950	-77.8

NORMALS OF RADIOSONDE DATA

MONTH : MAY TIME : 0530 IST STATION : JAGDALPUR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	944	947	942	24.7	30.6	18.8	20.1	227	0.5	0.9
1000	48	90	23							
950	503	660	423							
925	732	740	716	25.8	35.6	18.8	18.4	235	4.4	5.6
900	973	1012	945	26.5	37.2	16.4	15.4	246	5.1	6.6
850	1476	1510	1447	24.6	34.2	14.2	11.2	274	4.7	6.6
800	2004	2034	1975	21.3	30.4	12.0	7.7	305	4.2	6.1
750	2555	2580	2509	17.1	26.8	8.0	4.5	331	4.0	5.8
700	3142	3172	3113	12.4	21.4	3.2	1.5	346	4.4	6.4
650	3754	3791	3713	7.3	15.8	-1.3	-1.8	353	4.8	6.8
600	4410	4450	4378	2.3	12.0	-5.9	-5.6	354	4.7	7.0
550	5115	5170	5079	-1.9	7.0	-10.5	-10.2	350	4.3	6.8
500	5860	5914	5827	-5.5	2.2	-13.7	-15.7	335	3.7	6.8
450	6689	6760	6641	-9.6	-1.1	-17.1	-20.2	319	3.7	7.5
400	7581	7650	7531	-14.7	-4.1	-25.5	-25.1	303	4.6	8.6
350	8586	8653	8517	-20.8	-10.5	-33.5	-30.5	285	5.6	9.5
300	9704	9787	9625	-28.4	-16.1	-37.7	-38.2	271	6.7	10.4
250	10986	11098	10893	-38.0	-24.5	-48.3		257	7.5	11.2
200	12485	12631	12378	-49.6	-38.3	-58.7		241	7.6	11.9
175	13346	13509	13223	-56.4	-45.1	-66.5		234	7.1	11.9
150	14307	14496	14177	-63.5	-52.1	-75.7		213	4.8	10.4
125	15402	15615	15267	-70.7	-60.7	-85.7		162	3.3	10.2
100	16690	16922	16556	-76.6	-66.1	-85.9		117	6.0	10.3
80	17966	18243	17831	-75.6	-61.3	-87.7		097	7.6	9.5
70	18757	19065	18599	-71.2	-57.3	-82.3		093	7.4	9.1
60	19670	20007	19510	-65.2	-52.3	-78.5		089	7.4	8.6
50	20792	21154	20608	-59.7	-44.9	-76.1		085	7.7	8.9
40	22197	22590	21994	-54.8	-41.1	-64.9		092	9.1	10.4
30	24049	24459	23841	-49.9	-37.9	-60.1		092	11.4	12.2
25	25237	25667	25054	-47.4	-33.3	-58.5		093	12.1	12.8
20	26667	27319	26510	-45.6	-27.3	-54.9		093	13.1	13.8
15	28575	29321	28345	-43.1	-22.1	-51.9		094	14.3	15.5
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
572	4800	5310	4330				095	16980	-78.7

NORMALS OF RADIOSONDE DATA

MONTH : JUNE TIME : 0530 IST STATION : JAGDALPUR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	941	943	939	24.4	30.0	18.8	21.8	228	0.9	1.3
1000	23	45	10							
950	472	496	424							
925	709	731	684	24.6	33.0	20.4	20.2	236	4.8	5.9
900	948	971	931	23.8	33.2	17.0	18.5	256	6.3	7.7
850	1446	1469	1424	21.5	30.2	15.2	15.6	276	7.7	9.4
800	1970	1991	1943	18.7	26.8	12.2	12.7	289	6.9	8.8
750	2522	2541	2499	15.4	23.0	8.4	9.7	304	5.4	8.0
700	3102	3123	3070	11.7	19.8	6.0	6.4	315	4.3	7.4
650	3719	3758	3690	7.8	15.6	2.2	2.5	332	3.3	6.9
600	4374	4403	4339	3.9	12.4	-2.5	-1.2	347	2.9	6.6
550	5090	5135	5069	0.2	9.8	-6.9	-5.3	352	2.3	6.1
500	5835	5880	5804	-3.5	6.2	-12.3	-10.0	354	1.5	5.8
450	6670	6737	6641	-7.6	2.0	-17.1	-14.8	025	1.2	5.8
400	7570	7633	7542	-12.5	-2.7	-24.3	-20.4	067	1.3	5.6
350	8582	8645	8543	-18.8	-9.7	-31.1	-26.9	094	2.5	5.8
300	9711	9791	9662	-26.5	-17.9	-39.9	-34.9	100	4.5	6.7
250	11002	11093	10937	-36.3	-27.9	-49.3	-44.2	100	6.6	8.5
200	12511	12621	12426	-48.5	-37.9	-60.5		097	10.3	12.4
175	13378	13508	13287	-55.7	-44.5	-64.5		097	12.6	14.5
150	14342	14492	14243	-63.3	-51.9	-72.7		097	15.7	17.8
125	15438	15661	15327	-71.4	-58.7	-81.9		097	19.0	20.6
100	16728	17004	16605	-77.4	-66.5	-87.3		097	20.6	21.5
80	18004	18351	17877	-75.3	-56.1	-88.1		096	18.2	18.7
70	18798	19162	18642	-70.9	-50.3	-83.3		092	16.1	16.8
60	19710	20081	19544	-65.6	-51.5	-80.3		090	15.1	15.6
50	20831	21165	20662	-59.9	-44.9	-76.3		092	14.7	15.2
40	22241	22586	22058	-54.9	-41.3	-66.1		095	16.4	17.0
30	24088	24468	23889	-50.8	-32.1	-61.3		093	19.2	19.9
25	25269	25656	25035	-48.6	-27.5	-60.7		095	20.2	20.8
20	26723	27365	26517	-46.9	-24.7	-56.9				
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
547	5120	5760	4680				096	16940	-79.3

NORMALS OF RADIOSONDE DATA

MONTH : JULY TIME : 0530 IST STATION : JAGDALPUR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	941	943	940	23.3	29.6	20.0	21.9	237	1.1	1.3
1000	27	42	16							
950	473	499	424							
925	707	720	693	23.0	27.2	19.6	21.2	241	5.1	5.7
900	947	960	936	22.1	29.0	17.6	19.8	261	7.0	7.9
850	1443	1458	1430	19.7	27.4	13.0	17.2	279	9.1	10.2
800	1964	1980	1949	17.0	25.0	9.8	14.6	288	9.0	10.3
750	2516	2530	2500	14.1	22.6	6.6	11.6	290	8.0	9.4
700	3093	3113	3073	11.2	19.8	4.0	8.3	291	6.3	8.1
650	3712	3746	3682	8.1	17.0	1.6	4.5	290	4.8	7.1
600	4366	4397	4340	4.8	14.0	-2.7	0.6	291	3.6	6.5
550	5085	5131	5056	1.3	11.4	-7.9	-3.2	291	2.3	5.9
500	5834	5887	5800	-2.5	5.2	-9.9	-7.6	293	0.9	5.8
450	6671	6750	6627	-6.8	0.0	-16.7	-12.9	096	0.7	5.6
400	7575	7654	7533	-12.0	-4.7	-22.1	-19.0	106	2.5	6.0
350	8589	8673	8548	-18.4	-10.9	-28.5	-26.6	099	5.0	7.0
300	9720	9821	9671	-26.1	-17.5	-36.9	-34.5	096	8.3	9.2
250	11012	11129	10957	-36.0	-24.5	-47.1	-43.8	094	12.5	13.2
200	12519	12636	12446	-48.5	-39.1	-59.9		089	18.3	19.3
175	13383	13519	13293	-55.7	-46.3	-67.9		086	21.2	22.2
150	14345	14495	14251	-63.4	-53.7	-74.3		086	24.7	25.7
125	15435	15617	15330	-71.9	-58.3	-85.1		087	27.8	28.7
100	16719	16965	16603	-77.1	-64.3	-86.3		090	29.9	30.7
80	18011	18341	17804	-72.4	-56.1	-83.7		091	25.5	26.2
70	18814	19177	18540	-67.8	-53.1	-80.5		090	23.0	23.6
60	19732	20077	19488	-63.5	-50.1	-78.9		090	21.3	21.7
50	20853	21201	20571	-59.6	-42.9	-72.3		089	20.6	21.4
40	22250	22657	21930	-56.1	-42.9	-67.7		094	22.7	23.3
30	24095	24582	23865	-52.0	-38.1	-64.3				
25	25248	25803	25018	-50.1	-37.5	-62.1				
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
533	5330	6070	4950				102	16620	-78.7

NORMALS OF RADIOSONDE DATA

MONTH : AUGUST TIME : 0530 IST STATION : JAGDALPUR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	942	944	941	23.0	25.4	20.0	22.1	243	0.8	1.1
1000	34	57	17							
950	481	540	428							
925	721	734	703	22.8	28.6	19.8	20.7	253	4.6	5.6
900	955	975	939	21.9	29.2	13.8	19.9	273	6.2	7.6
850	1450	1476	1430	19.5	26.6	12.0	17.4	291	7.9	9.5
800	1971	2000	1955	16.9	25.4	12.2	14.7	298	7.5	9.4
750	2522	2568	2500	14.1	20.4	8.4	11.7	300	7.0	8.8
700	3100	3139	3079	11.3	17.8	6.0	8.3	299	5.4	7.4
650	3721	3762	3692	8.3	14.8	2.4	4.6	298	4.2	6.8
600	4374	4423	4347	5.1	11.6	-0.7	0.7	302	2.7	6.2
550	5095	5151	5067	1.7	8.4	-4.9	-3.2	310	1.5	6.0
500	5844	5899	5809	-2.2	5.8	-8.5	-7.7	011	0.7	6.0
450	6683	6765	6640	-6.5	2.6	-13.5	-12.7	093	1.6	6.1
400	7586	7667	7548	-11.7	-3.9	-20.9	-19.0	102	3.3	6.5
350	8597	8679	8547	-18.1	-8.3	-28.7	-26.3	101	5.5	7.7
300	9733	9840	9677	-25.9	-17.1	-34.3	-34.5	099	8.4	9.5
250	11027	11145	10952	-36.0	-26.9	-45.7	-43.7	095	12.2	12.9
200	12538	12674	12444	-48.4	-40.5	-59.7		091	17.8	18.6
175	13402	13552	13290	-55.7	-47.1	-68.1		090	20.8	21.7
150	14365	14517	14249	-63.5	-54.3	-75.9		090	23.8	24.7
125	15457	15650	15333	-71.6	-60.3	-82.1		088	27.1	28.0
100	16750	16961	16609	-76.2	-64.5	-86.7		093	27.1	27.8
80	18046	18269	17888	-70.5	-55.9	-82.1		093	23.1	23.6
70	18858	19121	18675	-65.8	-51.5	-78.7		093	21.1	21.7
60	19782	20118	19527	-62.1	-49.9	-73.7		091	20.1	20.6
50	20924	21303	20605	-58.4	-45.1	-70.3		091	21.2	21.7
40	22337	22723	21976	-54.7	-40.9	-64.5		094	21.7	22.3
30	24178	24623	23766	-51.5	-36.7	-60.5		097	26.1	26.7
25	25357	25800	24903	-49.3	-39.5	-59.1				
20	26816	27348	26281	-47.6	-37.3	-60.5				
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
528	5420	6210	5040				103	16580	-77.8

NORMALS OF RADIOSONDE DATA

MONTH : SEPTEMBER TIME : 0530 IST STATION : JAGDALPUR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	945	947	943	22.7	27.0	18.4	21.8	222	0.5	0.8
1000	62	79	49							
950	504	528	449							
925	744	760	734	22.6	30.0	17.4	20.5	256	2.4	4.3
900	981	1000	969	21.9	30.2	11.6	19.1	280	2.8	5.2
850	1476	1496	1463	19.4	27.2	10.2	16.1	304	3.0	6.2
800	1996	2018	1983	16.6	24.0	7.8	12.8	317	3.1	6.4
750	2544	2567	2521	13.6	21.8	4.6	9.1	322	2.8	5.9
700	3123	3145	3106	10.6	18.8	1.2	5.3	322	2.4	5.6
650	3739	3776	3716	7.3	15.2	-1.1	1.9	320	1.5	5.1
600	4391	4418	4368	4.0	12.6	-3.7	-1.9	321	0.7	4.9
550	5106	5148	5066	0.4	9.6	-6.5	-6.0	070	0.3	5.0
500	5854	5893	5819	-3.6	5.8	-10.1	-10.7	098	1.0	5.1
450	6688	6750	6638	-8.1	1.8	-14.5	-16.0	104	1.7	5.3
400	7585	7643	7534	-13.4	-2.7	-20.1	-21.8	109	2.6	5.5
350	8591	8657	8528	-19.8	-8.9	-28.1	-28.7	111	3.8	6.0
300	9716	9794	9643	-27.6	-16.9	-37.1	-36.4	108	5.6	7.1
250	11000	11094	10917	-37.7	-27.5	-48.3	-45.3	101	7.8	9.1
200	12498	12619	12404	-50.1	-39.9	-61.9		100	11.3	12.9
175	13356	13493	13258	-57.3	-43.7	-68.9		097	13.9	15.3
150	14307	14463	14217	-65.1	-52.1	-79.5		097	15.8	17.1
125	15389	15579	15062	-72.5	-58.9	-86.1		099	17.8	18.7
100	16687	16901	16588	-76.4	-65.7	-88.9		101	17.9	18.6
80	17986	18195	17769	-71.4	-57.3	-82.5		096	15.0	15.6
70	18795	19025	18648	-66.9	-53.9	-76.1		091	13.9	14.5
60	19725	19951	19575	-62.9	-51.9	-72.7		089	14.2	14.7
50	20856	21083	20688	-59.0	-47.3	-71.1		092	15.2	15.7
40	22269	22506	22080	-55.2	-37.5	-68.7		094	16.9	17.3
30	24124	24361	23898	-51.2	-34.7	-63.3		095	20.2	20.6
25	25297	25550	25059	-49.4	-33.3	-58.7		095	21.4	21.9
20	26756	27136	26493	-47.5	-31.7	-57.9		098	23.0	23.6
15	28661	29069	27998	-45.1	-29.3	-54.9				
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
544	5190	5780	4710				104	16490	-78.1

NORMALS OF RADIOSONDE DATA

MONTH : OCTOBER TIME : 0530 IST STATION : JAGDALPUR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	948	952	947	20.1	24.4	12.0	19.0	020	0.2	0.4
1000	100	135	81							
950	538	575	505	19.2	23.8	12.8	17.3	059	0.4	0.7
925	777	808	760	21.7	27.4	17.2	18.1	052	1.5	3.6
900	1011	1047	996	21.1	27.2	15.4	15.3	063	1.9	4.2
850	1504	1541	1488	18.4	25.2	12.0	11.4	063	2.6	5.1
800	2023	2061	2003	15.3	21.8	8.0	7.7	053	2.7	5.4
750	2568	2613	2552	12.2	18.2	4.2	4.0	044	2.3	5.3
700	3142	3186	3121	9.3	19.0	1.2	0.6	040	1.6	5.2
650	3756	3803	3732	6.3	13.6	-1.5	-2.9	049	0.8	5.2
600	4405	4452	4382	3.1	9.6	-4.5	-6.0	105	0.2	5.2
550	5116	5172	5083	-0.5	6.0	-8.5	-9.7	165	0.4	5.2
500	5862	5915	5834	-4.6	4.6	-11.7	-14.2	191	0.5	5.6
450	6689	6757	6637	-9.4	-0.3	-16.1	-18.7	219	0.7	5.9
400	7586	7651	7547	-14.9	-6.3	-22.7	-24.7	242	1.5	6.0
350	8585	8670	8530	-21.6	-12.9	-31.5	-31.1	243	2.4	6.5
300	9702	9786	9650	-29.5	-19.9	-41.1	-38.4	237	3.3	7.3
250	10976	11061	10911	-39.5	-30.7	-51.5		230	4.1	8.6
200	12463	12546	12360	-51.8	-42.1	-64.3		213	5.1	10.1
175	13315	13417	13183	-58.7	-48.1	-73.1		202	4.8	10.2
150	14264	14399	14132	-66.1	-55.3	-79.1		185	4.6	10.6
125	15341	15505	15199	-73.2	-62.1	-84.3		153	4.3	9.9
100	16626	16843	16479	-77.6	-65.7	-88.3		118	5.4	8.8
80	17911	18166	17710	-72.7	-57.1	-86.1		099	5.8	7.8
70	18712	19013	18549	-68.1	-54.1	-81.9		094	5.8	7.4
60	19643	19939	19470	-63.4	-49.7	-75.9		086	6.8	7.9
50	20776	21106	20585	-59.5	-44.9	-71.3		089	8.3	9.1
40	22177	22540	21972	-55.8	-39.5	-67.7		092	10.5	11.2
30	24022	24460	23760	-51.5	-33.7	-62.9		096	13.3	13.9
25	25189	25690	24909	-49.6	-31.7	-59.1		095	15.6	16.1
20	26663	27175	26359	-47.5	-28.9	-58.1		095	16.7	17.1
15	28543	29144	28216	-46.2	-24.9	-55.9				
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
558	5000	5420	4510				102	16520	-78.9

NORMALS OF RADIOSONDE DATA

MONTH : NOVEMBER TIME : 0530 IST STATION : JAGDALPUR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	951	953	949	15.6	24.0	6.4	13.9	354	0.3	0.5
1000	131	149	111							
950	564	583	541	15.4	24.8	8.0	13.5	055	1.4	1.7
925	796	811	779	19.0	24.8	11.8	13.7	055	2.9	3.9
900	1030	1046	1014	18.8	25.2	11.2	10.7	063	3.5	4.6
850	1519	1535	1500	16.2	24.0	6.8	6.9	057	3.6	5.1
800	2032	2051	2012	13.7	22.8	3.6	3.5	046	2.7	4.9
750	2578	2608	2550	11.6	21.8	2.6	0.8	028	1.9	4.8
700	3147	3173	3121	9.0	19.6	-1.3	-2.3	359	1.4	4.9
650	3761	3807	3728	5.9	15.6	-4.3	-5.4	327	1.2	5.1
600	4407	4442	4376	2.7	11.6	-8.5	-8.3	300	1.8	5.8
550	5117	5172	5072	-1.1	7.8	-10.1	-11.8	295	2.5	6.2
500	5860	5908	5821	-5.5	3.4	-15.1	-15.8	290	3.7	7.2
450	6685	6761	6631	-10.6	-1.7	-21.5	-20.7	285	5.3	8.6
400	7575	7641	7513	-16.3	-8.1	-25.9		281	7.4	10.4
350	8571	8653	8488	-23.0	-14.1	-32.5		272	9.8	12.3
300	9680	9772	9582	-30.8	-19.9	-40.1		265	12.7	14.7
250	10948	11060	10828	-40.6	-29.1	-53.1		256	14.7	16.8
200	12429	12573	12302	-52.5	-42.1	-66.9		249	16.1	18.7
175	13278	13436	13143	-59.0	-47.7	-72.7		248	16.1	18.5
150	14231	14410	14078	-65.9	-54.1	-80.1		250	14.3	16.6
125	15317	15525	15166	-72.5	-60.5	-83.5		258	10.8	13.1
100	16602	16838	16454	-76.9	-64.3	-89.5		262	4.9	8.8
80	17887	18152	17706	-74.9	-60.5	-89.5		298	0.2	6.5
70	18679	18980	18476	-71.1	-56.1	-85.1		085	1.2	5.9
60	19595	19912	19378	-65.7	-52.5	-76.3		087	1.5	5.3
50	20719	21070	20485	-60.5	-48.3	-71.5		087	3.2	5.9
40	22125	22517	21888	-56.2	-42.9	-66.7		088	5.6	7.5
30	23973	24426	23717	-51.9	-37.1	-61.7		089	7.2	9.0
25	25142	25617	24835	-49.7	-35.9	-60.5		093	8.0	9.4
20	26608	27170	26324	-47.6	-30.9	-59.1		094	8.8	10.7
15	28504	29201	28219	-45.3	-29.7	-56.7		091	9.6	11.5
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
566	4890	5400	4160				100	16620	-78.4

NORMALS OF RADIOSONDE DATA

MONTH : DECEMBER TIME : 0530 IST STATION : JAGDALPUR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	953	955	951	11.8	21.8	6.0	10.2	019	0.1	0.2
1000	154	175	134							
950	579	604	548	12.5	24.0	7.2	10.2	051	1.3	1.7
925	805	830	777	16.5	24.0	10.2	9.8	050	2.6	3.5
900	1042	1063	1016	17.0	24.8	8.6	7.9	057	2.5	3.9
850	1527	1546	1504	14.8	23.2	7.4	3.1	035	2.1	4.1
800	2038	2054	2017	13.0	22.2	6.4	-0.3	008	2.0	4.4
750	2582	2597	2552	11.2	19.8	3.0	-3.3	346	2.4	4.9
700	3151	3166	3133	8.7	17.6	0.0	-6.4	327	2.6	5.4
650	3762	3782	3745	5.8	14.2	-4.1	-9.4	308	3.4	6.3
600	4410	4438	4390	2.2	11.0	-6.3	-12.1	294	4.6	7.3
550	5117	5164	5081	-1.9	7.4	-10.5	-16.7	290	6.2	8.7
500	5857	5901	5826	-6.5	2.4	-14.5		284	8.0	10.4
450	6678	6734	6632	-11.8	-2.7	-19.5		282	10.1	12.4
400	7564	7630	7512	-17.7	-8.3	-25.1		277	12.6	14.7
350	8553	8641	8480	-24.5	-15.9	-33.5		275	15.9	18.0
300	9656	9758	9564	-32.4	-23.1	-42.7		270	18.7	20.8
250	10916	11032	10802	-42.2	-32.1	-52.7		263	21.1	23.6
200	12387	12509	12256	-53.6	-41.1	-67.5		255	22.5	24.9
175	13229	13388	13094	-60.0	-46.1	-71.9		255	22.2	24.7
150	14170	14401	14036	-66.3	-54.1	-78.7		257	20.0	22.3
125	15249	15502	15121	-72.2	-60.3	-80.3		260	16.1	18.0
100	16542	16783	16427	-76.7	-66.3	-84.1		264	8.9	12.0
80	17824	18095	17696	-75.9	-61.1	-87.5		269	2.9	8.0
70	18609	18927	18464	-72.8	-54.7	-87.5		247	1.0	7.1
60	19521	19910	19373	-67.8	-50.5	-82.1		028	0.5	6.4
50	20632	21043	20456	-62.1	-44.9	-75.5		026	1.5	6.1
40	22027	22456	21821	-57.4	-40.1	-68.3		060	1.6	6.1
30	23863	24306	23626	-52.7	-36.9	-65.1		079	2.8	6.9
25	25013	25480	24742	-50.8	-38.9	-61.3		074	3.2	7.1
20	26466	26929	26161	-48.7	-34.3	-58.1				
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
574	4770	5230	4390				097	16770	-78.6

NORMALS OF RADIOSONDE DATA

MONTH : JANUARY TIME : 0530 IST STATION : JODHPUR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	990	992	988	11.6	22.0	2.0	3.2	041	2.4	2.9
1000	134	150	123							
950	550	583	509	15.1	25.0	5.0	2.1	056	2.9	5.2
925	786	809	734	15.3	25.6	4.8	3.0	054	1.2	4.6
900	1023	1041	1004	13.2	25.6	2.0	-0.7	357	0.9	4.9
850	1500	1522	1478	10.2	23.8	1.0	-3.2	288	2.5	5.4
800	2002	2027	1975	7.4	20.0	-1.9	-5.8	279	4.2	6.6
750	2533	2559	2499	4.9	16.2	-5.1	-8.7	273	6.3	8.2
700	3090	3123	3053	2.1	12.0	-7.7	-11.5	271	8.6	10.2
650	3686	3721	3634	-1.2	8.8	-11.5	-14.4	271	11.7	13.1
600	4319	4358	4279	-5.0	8.8	-13.9	-17.2	271	14.9	16.4
550	5003	5040	4964	-9.3	3.0	-19.5	-20.7	271	18.2	19.8
500	5728	5774	5682	-14.2	-3.3	-25.1	-24.9	272	21.8	23.4
450	6522	6574	6473	-19.6	-7.3	-31.3	-29.8	272	26.1	27.7
400	7386	7445	7324	-25.6	-13.5	-39.9	-34.9	272	30.6	32.4
350	8348	8409	8273	-32.2	-18.9	-44.0	-41.2	271	35.3	37.4
300	9415	9497	9318	-39.2	-25.1	-51.5	-46.0	271	40.3	42.7
250	10645	10746	10537	-46.8	-33.1	-62.1		269	45.6	48.4
200	12096	12230	11946	-55.3	-41.5	-77.5		268	47.4	49.8
175	12937	13068	12774	-59.8	-46.1	-82.1		268	46.5	48.5
150	13895	14042	13703	-64.0	-47.0	-79.5		268	43.3	45.0
125	14994	15159	14782	-68.8	-56.1	-85.3		268	38.9	40.4
100	16316	16504	16097	-72.8	-60.1	-89.1		266	30.4	31.8
80	17616	17852	17406	-73.1	-61.1	-87.9		267	22.5	23.7
70	18406	18668	18181	-71.4	-55.7	-86.9		266	16.9	18.2
60	19324	19600	19094	-68.1	-50.7	-82.0		268	13.0	15.0
50	20436	20748	20187	-63.9	-51.5	-80.0		276	8.0	11.0
40	21820	22177	21513	-59.9	-47.3	-73.0		283	5.4	9.3
30	23660	24051	23141	-55.6	-43.9	-71.3		296	3.3	8.7
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
672	3430	3930	3020	211	11810	-58.7	100	16400	-74.3

NORMALS OF RADIOSONDE DATA

MONTH : FEBRUARY TIME : 0530 IST STATION : JODHPUR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	988	990	984	13.8	22.0	2.0	4.2	041	1.8	2.9
1000	117	137	87							
950	535	575	488	16.8	28.0	6.0	2.4	052	1.9	5.7
925	774	803	720	17.2	26.2	6.0	1.2	327	0.5	5.3
900	1010	1037	979	14.8	25.6	2.4	-0.5	307	1.2	5.4
850	1490	1521	1462	11.5	22.4	-0.3	-3.2	279	3.3	5.9
800	1994	2029	1968	8.3	19.8	-5.0	-5.4	274	5.0	7.1
750	2524	2563	2487	5.1	16.0	-8.0	-8.0	274	6.7	8.7
700	3083	3127	3051	1.9	12.6	-13.0	-11.2	273	8.8	10.6
650	3677	3725	3628	-1.5	7.0	-21.0	-14.3	271	11.5	13.2
600	4311	4361	4262	-5.3	3.4	-24.0	-17.4	271	14.5	16.1
550	4996	5044	4918	-9.6	-0.7	-28.0	-21.1	271	17.5	19.2
500	5719	5774	5651	-14.5	-5.7	-32.0	-25.5	272	21.2	23.0
450	6513	6565	6432	-19.8	-7.1	-39.0	-30.0	272	25.1	27.0
400	7375	7442	7294	-25.7	-13.9	-42.0	-35.3	272	28.9	31.1
350	8336	8421	8247	-32.2	-17.9	-43.9	-41.5	272	33.7	35.9
300	9403	9523	9289	-39.0	-24.3	-52.7	-46.2	272	38.6	41.2
250	10633	10792	10499	-46.5	-34.3	-62.0		269	43.6	46.6
200	12091	12271	11928	-54.3	-40.0	-73.3		269	45.0	47.6
175	12938	13132	12770	-58.7	-44.5	-76.1		269	42.9	45.0
150	13896	14087	13708	-63.6	-51.9	-85.3		269	40.0	41.8
125	14999	15276	14802	-68.8	-53.9	-88.7		268	34.9	36.5
100	16322	16591	16051	-73.0	-57.1	-88.9		267	27.7	29.0
80	17625	17827	17346	-73.4	-59.1	-88.9		269	20.4	21.6
70	18419	18651	18168	-71.5	-57.1	-88.5		267	15.4	16.8
60	19331	19637	19045	-68.2	-53.3	-86.1		269	11.7	13.2
50	20428	21023	20062	-63.8	-49.1	-76.5		270	8.8	10.7
40	21820	22402	21416	-59.5	-45.9	-72.3		277	5.2	8.9
30	23646	23909	23430	-55.6	-41.9	-67.3		270	5.1	9.1
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
676	3390	3850	2850	228	11340	-55.7	101	16390	-74.6

NORMALS OF RADIOSONDE DATA

MONTH : MARCH TIME : 0530 IST STATION : JODHPUR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	985	987	983	19.2	33.4	9.0	6.7	026	0.9	2.6
1000	90	106	70							
950	518	546	480	22.2	36.0	6.2	5.1	359	0.7	6.0
925	760	777	730	22.4	32.6	11.8	4.8	281	1.0	6.0
900	1000	1016	982	20.4	32.8	7.0	2.2	283	2.4	6.1
850	1490	1511	1470	16.8	28.4	4.4	-0.6	273	4.2	6.4
800	2002	2029	1980	12.8	25.4	0.6	-3.3	270	5.5	7.2
750	2538	2584	2509	8.8	21.0	-4.1	-6.2	269	6.7	8.5
700	3106	3145	3071	4.8	15.4	-6.5	-9.1	270	8.1	9.9
650	3704	3754	3665	0.8	11.4	-10.0	-12.6	270	10.1	11.8
600	4344	4395	4292	-3.4	7.6	-14.0	-15.8	269	12.4	13.9
550	5031	5085	4968	-7.9	5.2	-19.0	-19.9	270	15.0	16.4
500	5760	5825	5693	-12.9	0.2	-24.3	-24.2	270	17.7	19.2
450	6557	6625	6483	-18.6	-5.0	-30.3	-29.0	270	20.8	22.4
400	7424	7514	7347	-24.9	-11.9	-36.1	-34.9	271	23.8	25.5
350	8387	8480	8304	-31.9	-15.5	-44.0	-41.0	271	26.8	28.9
300	9456	9567	9365	-39.5	-24.5	-52.3	-46.5	271	30.6	33.0
250	10683	10806	10586	-47.6	-35.1	-59.3		270	35.0	37.7
200	12132	12282	12018	-55.0	-41.9	-71.0		269	37.3	39.9
175	12977	13134	12850	-58.8	-45.7	-72.9		269	37.2	39.4
150	13936	14097	13809	-63.3	-50.5	-75.3		269	34.6	36.4
125	15042	15205	14888	-68.4	-48.9	-82.3		268	29.8	31.1
100	16365	16729	16199	-72.7	-57.7	-87.9		268	23.8	25.3
80	17671	18115	17475	-73.5	-57.1	-88.0		266	15.8	17.2
70	18458	19070	18253	-71.6	-52.1	-86.1		268	11.7	13.8
60	19373	19636	19172	-68.2	-47.7	-86.1		274	7.9	11.0
50	20473	20796	20286	-63.6	-44.3	-78.3		283	5.4	8.8
40	21853	22191	21682	-58.9	-41.1	-75.0		289	3.9	7.7
30	23687	24069	23486	-53.8	-38.1	-67.0		297	2.5	7.8
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
642	3820	4300	3220	229	11320	-55.6	097	16600	-74.7

NORMALS OF RADIOSONDE DATA

MONTH : APRIL TIME : 0530 IST STATION : JODHPUR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	982	984	980	24.6	32.0	15.0	10.5	260	0.9	2.8
1000	56	76	38							
950	494	524	464	26.6	36.0	16.8	8.9	266	2.4	6.7
925	743	760	711	27.4	36.8	16.8	8.7	279	2.8	7.4
900	981	1000	965	25.4	36.0	13.4	5.3	270	3.9	7.2
850	1480	1502	1459	21.9	33.6	10.2	2.3	267	4.8	6.9
800	2001	2027	1971	17.8	32.4	6.2	-0.4	265	5.0	6.9
750	2544	2577	2508	13.2	27.0	1.6	-3.6	267	5.2	7.1
700	3122	3156	3072	8.4	22.4	-4.5	-7.0	268	5.6	7.9
650	3726	3766	3667	3.7	16.0	-9.3	-10.4	272	6.4	8.8
600	4373	4411	4303	-0.9	9.0	-14.3	-14.4	272	7.9	10.2
550	5066	5101	5016	-5.6	2.6	-17.5	-19.3	271	9.8	11.8
500	5802	5848	5716	-10.6	-2.7	-22.9	-23.6	270	12.1	14.0
450	6606	6661	6519	-16.3	-6.7	-32.3	-28.6	271	14.5	16.3
400	7480	7536	7376	-22.9	-12.7	-37.5	-33.6	272	17.1	19.2
350	8449	8511	8340	-30.1	-18.7	-43.7	-39.5	273	19.7	21.9
300	9527	9605	9399	-37.9	-26.5	-51.7	-46.3	272	23.0	25.6
250	10762	10873	10619	-46.1	-33.3	-62.1		271	27.4	30.3
200	12218	12362	12056	-54.0	-40.9	-69.0		269	30.2	33.1
175	13067	13223	12891	-58.1	-44.5	-74.0		268	29.7	32.3
150	14025	14179	13835	-62.5	-47.1	-78.5		267	27.2	29.2
125	15131	15256	14933	-67.7	-38.9	-80.0		266	23.3	25.1
100	16456	16628	16250	-72.4	-59.9	-83.5		264	16.6	18.2
80	17764	17958	17550	-73.0	-59.1	-86.1		264	10.0	12.3
70	18552	18756	18320	-71.3	-56.1	-85.3		263	6.0	9.7
60	19466	19691	19209	-67.5	-50.9	-84.0		275	3.8	7.8
50	20565	20828	20283	-62.4	-44.9	-78.0		291	1.5	6.7
40	21969	22247	21642	-56.9	-38.3	-78.0		313	1.3	6.3
30	23827	24150	23405	-51.3	-32.5	-73.5		315	1.8	6.0
25	25015	25415	24538	-48.5	-28.5	-67.9		295	2.1	6.6
20	26520	26925	26344	-45.8	-31.9	-64.3				
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
610	4240	4700	3590	212	11960	-57.0	097	16760	-74.0

NORMALS OF RADIOSONDE DATA

MONTH : MAY TIME : 0530 IST STATION : JODHPUR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	978	981	976	28.2	34.4	19.8	16.4	234	3.0	3.9
1000	24	54	5							
950	466	494	423	28.3	41.0	17.4	14.3	242	6.0	8.0
925	714	730	701	28.8	37.6	16.0	13.9	257	6.2	8.3
900	956	980	936	27.2	37.4	15.2	9.7	251	7.0	8.8
850	1459	1478	1438	24.7	37.0	13.2	6.0	255	6.2	7.8
800	1986	2008	1966	21.0	36.4	6.8	2.4	265	4.8	6.8
750	2536	2566	2503	16.5	30.2	1.6	-0.7	275	4.1	6.5
700	3120	3151	3099	11.5	27.2	0.8	-4.3	285	4.1	6.9
650	3730	3769	3701	6.3	21.4	-8.9	-7.7	297	4.4	7.5
600	4383	4426	4351	1.4	15.6	-10.9	-12.2	302	5.2	8.4
550	5082	5128	5033	-3.4	10.0	-16.9	-17.1	296	6.1	9.1
500	5824	5882	5772	-8.3	3.6	-24.1	-22.3	289	7.7	10.3
450	6636	6694	6572	-13.7	1.0	-30.5	-27.4	285	9.9	12.3
400	7519	7585	7429	-19.8	-4.1	-38.0	-32.6	283	12.0	14.5
350	8501	8567	8387	-26.6	-11.7	-36.0	-38.7	280	14.4	17.1
300	9591	9674	9412	-34.2	-18.7	-44.9	-45.3	278	17.1	19.6
250	10849	10954	10688	-42.5	-26.3	-56.1		272	19.9	22.6
200	12327	12500	12154	-51.9	-34.5	-65.5		268	21.5	24.0
175	13183	13366	13001	-57.1	-41.5	-68.5		266	20.4	22.8
150	14146	14404	13963	-62.8	-49.3	-74.0		263	18.0	20.1
125	15251	15568	15069	-68.8	-51.9	-82.1		261	14.5	16.8
100	16557	16725	16375	-73.9	-59.5	-87.7		253	9.0	12.3
80	17855	18079	17688	-73.9	-58.5	-88.7		241	2.3	8.3
70	18645	18956	18452	-70.6	-48.7	-83.5		099	1.2	7.6
60	19570	19885	19413	-65.7	-44.5	-84.1		082	4.1	7.7
50	20694	21034	20495	-60.0	-39.3	-76.9		084	5.7	8.1
40	22108	22451	21837	-54.2	-38.1	-76.0		081	5.9	7.7
30	23976	24186	23711	-49.1	-33.5	-74.0		085	6.8	8.2
25	25157	25407	24883	-46.5	-32.3	-69.0		084	5.9	7.7
20	26647	26891	26318	-44.2	-25.7	-54.1				
15										
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7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
586	4580	5150	3980				096	16830	-75.4

NORMALS OF RADIOSONDE DATA

MONTH : JUNE TIME : 0530 IST STATION : JODHPUR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	975	977	973	29.3	39.0	20.4	21.7	228	4.1	4.7
1000	12	28	0							
950	431	467	398	28.4	39.0	18.0	20.4	235	7.2	8.4
925	681	703	656	28.3	40.0	18.0	19.6	246	7.5	9.0
900	922	945	902	26.3	39.0	16.4	17.0	239	8.5	9.7
850	1424	1448	1400	24.1	36.8	11.2	13.1	240	6.7	8.5
800	1951	1979	1926	21.7	31.2	10.0	8.0	247	3.7	6.7
750	2509	2538	2471	18.1	26.2	9.0	3.9	283	1.4	5.9
700	3093	3128	3068	13.6	23.0	5.6	0.0	354	1.7	6.1
650	3710	3755	3678	8.7	19.0	-4.1	-4.6	010	2.9	6.8
600	4367	4415	4335	3.7	13.0	-6.3	-9.0	011	4.1	7.5
550	5075	5127	5023	-1.1	9.6	-10.5	-12.6	008	4.2	7.6
500	5821	5877	5782	-5.3	5.0	-16.9	-16.3	356	3.3	7.5
450	6649	6700	6597	-9.1	4.0	-21.1	-20.5	327	3.2	8.0
400	7547	7606	7483	-13.8	-5.7	-28.1	-25.1	307	3.7	9.0
350	8555	8617	8473	-20.0	-10.7	-36.3	-31.0	298	4.1	9.4
300	9678	9749	9586	-27.7	-16.7	-45.1	-37.9	288	4.6	9.9
250	10964	11051	10854	-37.2	-23.1	-54.3	-46.6	275	4.9	9.9
200	12469	12574	12333	-48.8	-37.5	-63.1		259	4.8	9.8
175	13333	13454	13179	-55.6	-42.7	-72.5		258	4.3	10.0
150	14298	14431	14124	-63.0	-47.0	-74.5		253	2.8	9.5
125	15400	15600	15207	-70.6	-56.0	-84.1		163	0.3	8.8
100	16698	16922	16476	-76.9	-63.9	-89.5		082	4.7	8.9
80	17981	18255	17754	-76.0	-61.9	-89.5		085	9.0	10.6
70	18771	19061	18527	-71.9	-55.5	-85.1		084	11.1	12.0
60	19683	19959	19414	-66.3	-50.1	-79.9		088	12.3	12.9
50	20808	21168	20468	-60.0	-45.1	-77.0		087	12.5	13.1
40	22230	22760	21846	-54.1	-38.1	-77.0		086	13.9	14.3
30	24091	24305	23681	-48.9	-33.3	-59.7		089	15.1	15.6
25	25272	25505	24775	-46.5	-32.5	-57.1		089	15.7	16.2
20	26762	26996	26506	-44.1	-30.3	-57.9		093	15.3	16.2
15	28685	28936	28400	-41.8	-24.3	-51.5				
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
560	4930	5450	4460				097	16940	-78.3

NORMALS OF RADIOSONDE DATA

MONTH : JULY TIME : 0530 IST STATION : JODHPUR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	974	975	972	27.7	37.0	20.0	23.4	227	3.7	4.1
1000	17	36	2							
950	424	448	391	26.6	34.2	19.0	22.4	235	6.8	7.9
925	667	680	653	26.6	37.6	20.6	21.3	247	7.4	8.9
900	912	928	889	24.0	34.2	17.0	20.1	241	8.1	9.4
850	1410	1429	1384	21.6	34.2	14.0	17.3	238	5.9	8.1
800	1934	1958	1905	19.4	31.2	11.0	13.7	232	2.2	6.2
750	2492	2519	2451	16.7	26.2	9.0	9.4	059	0.7	5.5
700	3071	3112	3034	13.4	22.0	4.8	4.8	042	2.1	5.7
650	3691	3739	3649	9.5	18.4	0.0	0.3	039	3.4	6.2
600	4350	4406	4309	5.3	15.0	-6.0	-4.0	039	3.7	6.5
550	5064	5118	5010	1.0	10.0	-7.9	-7.6	040	3.5	6.5
500	5815	5887	5773	-3.1	4.2	-13.0	-11.4	057	2.7	6.1
450	6650	6723	6600	-7.1	4.0	-17.1	-15.4	076	2.4	6.2
400	7555	7642	7507	-12.1	-2.3	-21.3	-20.7	084	2.6	6.3
350	8568	8663	8510	-18.4	-8.3	-29.1	-27.1	085	3.1	6.6
300	9700	9806	9634	-26.1	-15.7	-35.9	-34.9	092	3.8	6.9
250	10994	11114	10905	-36.1	-20.5	-47.7	-43.8	098	4.7	7.7
200	12505	12644	12384	-48.4	-34.5	-62.3		100	6.0	8.8
175	13370	13524	13235	-55.8	-41.5	-70.5		099	7.5	10.1
150	14333	14518	14189	-63.5	-48.9	-76.0		094	9.2	11.8
125	15431	15654	15257	-71.2	-57.3	-88.5		088	12.0	14.0
100	16724	17002	16522	-76.9	-63.5	-88.7		082	15.3	16.6
80	18010	18292	17792	-75.4	-58.3	-86.5		081	17.8	18.4
70	18803	19096	18541	-71.6	-55.5	-85.5		084	18.7	19.1
60	19717	20009	19447	-66.2	-48.7	-80.3		086	18.1	18.4
50	20848	21139	20594	-60.6	-40.5	-78.1		085	17.7	18.1
40	22259	22603	21955	-55.3	-37.5	-73.1		084	18.9	19.3
30	24121	24522	23776	-50.4	-35.3	-70.0		087	21.5	21.9
25	25319	25953	25070	-47.9	-33.7	-69.0		087	22.6	23.1
20	26814	27502	26603	-45.2	-27.7	-61.5		090	23.4	23.8
15	28730	29117	28396	-43.5	-28.5	-58.3				
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
538	5250	5850	4680				099	16850	-78.3

NORMALS OF RADIOSONDE DATA

MONTH : AUGUST TIME : 0530 IST STATION : JODHPUR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	976	977	973	26.5	32.2	23.0	23.2	228	2.9	3.5
1000	6	20	0							
950	438	469	400	25.5	32.8	20.2	22.0	240	6.2	7.6
925	686	706	653	25.2	35.4	17.6	20.5	252	6.9	8.2
900	926	948	900	23.2	33.8	15.8	19.8	245	6.9	8.7
850	1423	1450	1395	20.9	33.0	13.6	16.9	240	4.0	7.1
800	1946	1978	1920	18.7	29.6	10.0	13.1	235	0.6	5.8
750	2501	2535	2467	16.1	26.4	7.0	8.9	054	1.9	5.6
700	3080	3124	3046	12.7	24.6	4.4	4.6	044	3.1	5.8
650	3699	3755	3654	9.0	21.8	1.2	-0.1	040	3.8	6.2
600	4357	4417	4319	5.0	15.0	-4.1	-4.5	042	4.1	6.4
550	5070	5126	5010	0.8	10.4	-8.9	-8.0	051	3.7	6.1
500	5821	5891	5772	-3.1	7.0	-11.1	-11.6	065	3.1	5.8
450	6654	6723	6591	-7.3	1.8	-17.7	-15.9	079	2.8	6.0
400	7560	7637	7497	-12.4	-2.5	-21.7	-21.3	084	3.2	6.2
350	8572	8654	8503	-18.7	-9.1	-27.5	-27.9	087	3.3	6.5
300	9702	9799	9616	-26.6	-16.1	-37.0	-35.8	092	3.5	6.7
250	10995	11106	10896	-36.6	-23.0	-45.5	-45.0	097	4.0	7.0
200	12500	12634	12373	-49.1	-33.5	-59.3		101	6.0	8.7
175	13362	13513	13215	-56.4	-39.7	-67.5		099	7.2	10.0
150	14323	14497	14150	-64.3	-49.9	-75.0		096	8.9	11.3
125	15417	15617	15211	-72.1	-56.1	-83.7		088	11.3	13.2
100	16707	16975	16486	-77.1	-63.3	-89.9		082	14.0	15.0
80	17994	18260	17802	-74.4	-53.9	-89.1		082	15.8	16.4
70	18791	19053	18573	-70.3	-51.1	-82.9		084	16.5	16.9
60	19715	19990	19477	-65.4	-46.7	-77.1		087	16.5	16.9
50	20830	21126	20575	-60.4	-43.5	-74.1		086	16.4	16.7
40	22254	22631	21950	-55.8	-40.9	-75.0		084	18.1	18.4
30	24111	24501	23713	-51.1	-37.5	-68.0		088	20.7	21.2
25	25294	25698	24864	-48.8	-35.5	-66.0		089	22.3	22.7
20	26797	27141	26442	-46.1	-33.5	-58.7		090	24.6	25.0
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
539	5240	5780	4670				103	16580	-78.4

NORMALS OF RADIOSONDE DATA

MONTH : SEPTEMBER TIME : 0530 IST STATION : JODHPUR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	980	982	973	25.5	31.0	19.0	20.6	234	1.9	2.7
1000	40	59	22							
950	472	508	445	25.4	37.0	18.8	18.9	247	5.0	6.8
925	713	737	681	25.4	33.4	18.0	17.7	254	5.3	7.1
900	964	986	946	23.6	31.8	16.0	15.5	246	5.0	6.9
850	1461	1484	1441	21.0	31.8	12.0	12.0	242	2.6	5.6
800	1982	2010	1962	18.1	28.4	8.0	7.5	262	0.3	4.9
750	2529	2563	2501	14.3	27.2	4.6	2.9	039	1.4	5.0
700	3109	3147	3085	10.3	23.2	1.0	-1.3	037	2.6	5.5
650	3720	3767	3688	6.2	16.4	-6.9	-5.6	034	3.2	5.9
600	4372	4422	4338	2.2	12.6	-8.1	-9.0	032	3.1	6.1
550	5079	5129	4999	-1.3	8.2	-12.3	-12.4	025	1.7	5.8
500	5825	5880	5776	-4.8	4.2	-17.3	-16.1	301	1.0	6.0
450	6654	6710	6597	-9.2	1.6	-21.0	-20.3	268	2.3	6.7
400	7552	7622	7489	-14.5	-3.9	-30.0	-25.4	267	3.8	7.3
350	8556	8632	8479	-21.2	-11.3	-33.0	-31.8	262	5.2	8.2
300	9674	9760	9582	-29.2	-18.7	-39.7	-39.3	257	6.3	9.0
250	10951	11045	10841	-39.1	-27.9	-50.9	-47.4	252	6.8	9.8
200	12443	12550	12299	-51.1	-38.5	-66.7		239	6.4	10.1
175	13299	13416	13150	-58.1	-43.3	-71.0		231	5.8	10.0
150	14252	14390	14083	-65.6	-52.1	-78.7		224	4.4	9.3
125	15341	15493	15158	-72.9	-58.1	-88.3		190	1.5	8.1
100	16632	16820	16427	-77.0	-63.1	-88.5		090	3.6	7.6
80	17924	18134	17704	-73.6	-59.9	-85.5		084	6.7	8.4
70	18721	18948	18462	-69.1	-53.7	-81.9		083	8.4	9.3
60	19645	19881	19390	-64.5	-45.9	-76.9		085	9.6	10.3
50	20775	21050	20488	-59.8	-40.3	-77.0		083	10.6	11.2
40	22186	22484	21868	-55.6	-37.1	-76.0		084	12.4	12.9
30	24044	24304	23679	-51.1	-35.9	-68.7		087	15.1	15.6
25	25221	25532	24770	-48.6	-32.1	-64.0		093	16.0	16.7
20	26691	27026	26373	-46.2	-30.1	-65.7				
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
569	4810	5270	4220				104	16430	-78.2

NORMALS OF RADIOSONDE DATA

MONTH : OCTOBER TIME : 0530 IST STATION : JODHPUR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	984	988	982	21.8	36.0	13.0	12.6	347	0.1	1.9
1000	85	114	62							
950	514	559	482	24.9	33.6	15.4	10.0	269	1.1	5.2
925	756	793	721	25.6	34.8	16.2	9.1	286	0.9	5.1
900	1004	1031	982	23.5	32.8	12.6	6.3	270	1.7	5.2
850	1499	1522	1479	19.8	28.2	9.0	3.1	282	1.7	4.4
800	2016	2038	1998	15.6	26.0	5.2	0.3	301	1.7	4.4
750	2555	2585	2524	11.2	19.8	2.8	-2.8	319	1.9	4.8
700	3130	3155	3106	6.9	16.4	-4.0	-6.6	332	2.6	5.6
650	3733	3758	3700	3.1	12.8	-7.0	-10.3	333	3.1	6.0
600	4379	4414	4349	-0.3	10.6	-12.0	-14.3	315	4.0	6.9
550	5077	5114	5045	-4.1	6.0	-16.5	-18.5	295	5.3	7.9
500	5816	5857	5765	-8.4	1.0	-20.1	-22.6	285	7.7	10.1
450	6629	6681	6576	-13.5	-2.1	-25.5	-27.0	281	10.7	12.9
400	7512	7577	7436	-19.4	-8.1	-31.9	-31.9	275	13.4	15.3
350	8496	8576	8415	-26.2	-14.3	-40.1	-37.7	272	16.6	18.6
300	9590	9685	9487	-33.8	-20.9	-48.1	-43.8	267	19.7	21.6
250	10845	10983	10719	-43.0	-30.1	-56.7		263	22.6	24.4
200	12316	12462	12160	-53.8	-40.7	-64.1		259	23.8	25.7
175	13159	13326	12991	-60.0	-46.7	-71.1		258	22.7	24.7
150	14106	14290	13910	-66.3	-53.9	-78.1		258	21.2	23.1
125	15190	15382	14967	-72.2	-53.0	-86.5		259	17.3	18.9
100	16483	16847	16258	-75.8	-61.1	-92.0		262	10.8	12.9
80	17774	18179	17547	-73.0	-60.3	-91.0		268	4.5	8.2
70	18571	18995	18337	-69.3	-55.9	-84.0		280	1.2	7.1
60	19488	19751	19259	-65.0	-50.3	-78.0		062	1.6	6.4
50	20616	20898	20362	-60.7	-44.3	-74.7		072	3.0	6.3
40	22018	22331	21713	-56.6	-41.1	-72.3		075	4.1	6.8
30	23855	24114	23473	-52.3	-32.5	-69.1		086	4.5	7.3
25	25049	25333	24636	-50.2	-38.1	-68.1		090	5.2	7.6
20	26519	26830	25985	-47.6	-36.1	-65.7				
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
606	4320	4970	3780				105	16260	-76.8

NORMALS OF RADIOSONDE DATA

MONTH : NOVEMBER TIME : 0530 IST STATION : JODHPUR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	988	990	984	16.5	25.0	6.4	7.1	045	1.6	2.1
1000	119	134	95							
950	543	571	509	21.0	33.0	9.0	4.8	072	2.2	4.6
925	787	804	754	21.4	30.8	10.4	3.1	079	1.8	4.4
900	1025	1046	1006	19.2	29.0	7.0	1.9	049	0.9	4.1
850	1513	1534	1494	15.6	25.0	4.8	-0.7	319	1.1	4.1
800	2023	2045	2003	11.9	20.6	1.4	-3.5	312	1.9	4.5
750	2559	2584	2532	8.5	18.0	-2.9	-6.4	311	2.8	5.4
700	3126	3150	3101	5.4	18.0	-4.0	-9.8	303	3.7	6.2
650	3729	3755	3687	2.1	13.8	-7.1	-12.5	291	5.2	7.4
600	4369	4399	4338	-1.4	8.0	-10.9	-15.7	282	7.5	9.4
550	5063	5102	5029	-5.6	4.0	-15.5	-20.1	279	10.2	11.9
500	5798	5844	5761	-10.5	-1.1	-21.0	-23.7	277	13.0	14.8
450	6602	6642	6555	-16.1	-6.7	-25.5	-28.2	275	16.2	18.0
400	7478	7542	7431	-22.5	-11.9	-33.7	-33.9	273	19.6	21.5
350	8449	8515	8403	-29.5	-20.5	-39.9	-39.9	272	23.5	25.7
300	9529	9609	9479	-37.3	-28.0	-48.7	-46.5	270	28.1	30.5
250	10764	10862	10689	-46.0	-35.3	-57.9		267	32.6	35.2
200	12219	12346	12129	-55.5	-44.1	-70.3		264	34.8	37.4
175	13059	13206	12956	-60.8	-50.9	-73.5		263	34.3	36.5
150	14005	14161	13880	-65.9	-53.7	-79.5		263	31.4	33.3
125	15096	15276	14942	-70.8	-57.7	-84.5		265	27.2	28.6
100	16397	16575	16198	-74.8	-61.3	-89.9		266	20.2	21.6
80	17688	17900	17449	-74.5	-62.3	-89.9		273	13.0	14.5
70	18472	18696	18207	-72.0	-58.7	-89.3		277	8.8	11.2
60	19376	19661	19105	-68.0	-56.0	-83.9		280	5.2	8.8
50	20478	20716	20183	-63.6	-51.9	-76.5		293	3.1	7.5
40	21858	22121	21495	-59.1	-48.3	-71.3		295	2.6	7.0
30	23690	23978	23222	-54.4	-41.7	-65.1		298	2.2	7.2
25	24862	25107	24495	-51.9	-39.1	-62.9		287	2.5	7.4
20										
15										
10										
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FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
22	4100	4680	3750				102	16390	-76.0

NORMALS OF RADIOSONDE DATA

MONTH : DECEMBER TIME : 0530 IST STATION : JODHPUR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	990	992	989	12.7	19.4	2.4	3.7	045	2.3	2.6
1000	140	151	119							
950	556	582	511	16.9	25.0	4.6	2.6	065	3.0	4.7
925	795	811	755	17.5	25.4	8.8	1.1	070	1.9	4.0
900	1033	1046	991	15.2	23.8	2.0	-0.2	041	1.1	4.1
850	1514	1529	1455	12.4	22.0	-1.7	-3.0	308	1.4	4.3
800	2019	2041	1950	9.7	20.4	-5.9	-5.5	293	2.6	5.1
750	2553	2583	2465	6.9	17.8	-6.7	-8.2	286	4.2	6.5
700	3116	3157	3031	3.9	14.0	-8.5	-11.4	279	6.1	7.9
650	3715	3766	3616	0.5	11.6	-12.1	-14.2	276	8.4	10.1
600	4352	4415	4277	-3.3	6.6	-16.3	-17.5	274	11.2	12.8
550	5039	5109	4958	-7.6	2.4	-20.1	-21.2	274	14.1	15.8
500	5770	5856	5688	-12.6	-1.7	-23.0	-25.5	273	17.3	19.0
450	6567	6665	6475	-18.2	-8.1	-28.3	-29.8	273	20.8	22.5
400	7436	7545	7360	-24.6	-10.9	-38.7	-35.1	272	24.5	26.3
350	8400	8515	8298	-31.6	-17.1	-42.1	-40.9	272	28.8	30.8
300	9469	9602	9354	-39.4	-23.1	-50.5	-46.6	270	33.4	35.7
250	10693	10837	10549	-48.0	-30.7	-61.1		269	38.5	41.1
200	12137	12294	11956	-57.0	-40.1	-72.5		267	40.8	43.4
175	12976	13138	12766	-61.3	-47.3	-75.5		267	39.8	42.0
150	13924	14096	13683	-65.0	-51.7	-81.5		269	36.7	38.6
125	15021	15183	14763	-69.2	-56.3	-82.1		270	32.6	34.0
100	16337	16498	16045	-72.9	-60.0	-87.9		269	26.3	27.9
80	17641	17873	17351	-73.4	-58.9	-87.5		271	19.7	21.3
70	18428	18648	18140	-71.5	-53.3	-86.1		270	15.0	17.2
60	19335	19585	19051	-68.3	-51.3	-85.1		272	10.9	13.3
50	20441	20625	20157	-64.4	-49.9	-80.5		275	7.9	11.1
40	21818	22150	21519	-60.8	-46.5	-75.9		281	5.4	9.9
30	23593	23920	23313	-57.4	-40.7	-72.5		282	3.0	9.4
25										
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FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
647	3760	4690	3260	193	12410	-61.7	100	16460	-74.5

NORMALS OF RADIOSONDE DATA

MONTH : JANUARY TIME : 0530 IST STATION : KARAIKAL

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1011	1013	1010	23.9	29.4	19.0	21.0	039	3.1	3.7
1000	105	122	92	23.5	28.2	19.6	20.3	037	4.7	5.4
950	529	570	496	20.9	36.2	14.6	16.7	047	6.0	6.6
925	783	798	771	19.1	26.0	13.4	15.5	052	6.4	6.8
900	1019	1035	1005	17.9	32.6	9.0	12.8	055	6.4	6.9
850	1507	1521	1493	15.5	29.4	6.6	7.1	060	5.9	6.7
800	2020	2034	2007	13.6	26.6	6.0	2.0	064	5.1	6.6
750	2558	2580	2532	11.8	25.4	4.6	-2.0	070	4.1	6.0
700	3136	3155	3120	9.5	22.6	1.6	-6.4	073	3.4	5.6
650	3744	3778	3716	6.4	18.2	-1.5	-8.9	074	3.2	5.6
600	4398	4423	4376	2.8	13.6	-4.1	-11.2	074	3.0	5.6
550	5105	5155	5077	-1.2	11.2	-8.3	-14.3	073	2.8	6.1
500	5851	5887	5824	-5.7	5.0	-13.7	-17.7	073	2.3	6.6
450	6668	6736	6640	-10.6	0.0	-19.1	-23.2	064	1.5	7.2
400	7564	7625	7534	-16.4	-4.7	-24.1	-28.1	011	0.8	7.9
350	8553	8622	8515	-23.3	-10.7	-32.7	-34.5	266	1.4	8.4
300	9665	9763	9614	-31.7	-22.5	-40.9	-41.6	233	3.4	9.1
250	10928	11049	10862	-41.9	-32.3	-52.3		217	5.7	10.6
200	12398	12550	12315	-54.3	-44.1	-64.9		212	6.9	12.6
175	13240	13411	13150	-61.2	-50.7	-71.7		216	6.3	12.9
150	14181	14371	14080	-68.2	-57.7	-80.3		216	5.2	12.4
125	15258	15466	15147	-74.5	-55.9	-84.7		212	2.8	10.8
100	16537	16768	16421	-79.2	-65.1	-88.5		121	1.1	8.2
80	17805	18063	17676	-77.8	-58.5	-88.9		085	1.0	6.2
70	18576	18865	18448	-74.5	-58.7	-84.3		345	0.5	6.1
60	19479	19775	19352	-70.2	-52.3	-83.3		052	0.3	6.9
50	20570	20890	20440	-65.3	-44.7	-77.1		089	2.3	8.3
40	21937	22348	21751	-60.7	-42.1	-73.5		096	4.3	9.7
30	23737	24161	23518	-55.7	-40.5	-72.3		090	5.3	12.0
25	24881	25328	24630	-54.0	-38.9	-69.7		086	6.8	13.5
20	26319	26731	26106	-51.6	-34.9	-67.9		086	7.7	15.2
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
564	4890	5450	4620				098	16660	-81.4

NORMALS OF RADIOSONDE DATA

MONTH : FEBRUARY TIME : 0530 IST STATION : KARAIKAL

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1010	1013	1007	24.6	29.6	18.6	21.7	065	1.9	2.9
1000	96	116	67	24.2	27.4	18.8	21.1	067	2.7	4.1
950	523	562	493	21.8	28.8	15.4	17.7	076	3.7	5.3
925	776	793	756	20.4	32.2	13.8	15.8	075	4.0	5.4
900	1013	1030	986	19.5	31.4	13.0	11.6	073	4.4	5.8
850	1503	1521	1478	17.4	26.8	9.8	5.1	065	4.7	6.1
800	2019	2037	1995	14.7	24.2	7.0	1.8	055	4.6	6.2
750	2557	2582	2524	11.9	21.2	4.0	-1.7	051	4.1	5.9
700	3136	3159	3111	9.4	18.4	1.8	-6.1	055	3.1	5.5
650	3742	3773	3706	6.3	16.6	0.8	-9.3	064	2.5	5.6
600	4398	4428	4369	2.8	11.6	-4.3	-11.8	065	2.1	5.9
550	5107	5149	5066	-1.1	7.0	-10.9	-15.2	061	1.8	6.3
500	5850	5890	5817	-5.7	1.8	-15.3	-18.0	054	1.6	6.7
450	6669	6733	6628	-10.6	-0.3	-20.5	-22.8	021	1.2	7.4
400	7564	7628	7523	-16.3	-6.9	-23.9	-29.3	333	1.7	8.6
350	8556	8631	8505	-23.2	-13.7	-32.1		293	2.4	9.3
300	9667	9768	9604	-31.5	-21.1	-39.9		254	3.4	10.0
250	10929	11059	10851	-41.7	-30.7	-52.5		238	4.4	10.0
200	12402	12572	12306	-54.0	-43.1	-66.5		219	4.7	11.5
175	13244	13445	13139	-60.9	-50.1	-71.3		203	4.6	12.2
150	14185	14412	14068	-67.9	-52.7	-79.5		193	3.4	11.6
125	15261	15486	15127	-74.6	-62.5	-87.3		162	2.0	10.8
100	16536	16807	16392	-79.6	-68.1	-90.5		070	1.5	8.2
80	17797	18063	17628	-78.4	-63.1	-89.7		030	1.0	6.5
70	18566	18843	18382	-75.0	-60.7	-88.7		304	1.5	6.5
60	19463	19768	19277	-70.6	-56.1	-83.9		269	2.3	7.5
50	20557	20891	20372	-65.7	-49.1	-81.5		247	0.8	8.1
40	21923	22292	21767	-60.9	-48.5	-76.1		101	1.9	9.8
30	23719	24143	23567	-56.0	-43.1	-71.9		090	4.1	12.0
25	24872	25279	24705	-53.8	-41.3	-68.1		090	5.3	14.3
20	26319	27088	26121	-51.6	-39.5	-67.9		088	5.7	17.2
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
564	4900	5350	4560				098	16650	-81.6

NORMALS OF RADIOSONDE DATA

MONTH : MARCH TIME : 0530 IST STATION : KARAIKAL

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1009	1010	1006	25.6	29.0	19.6	23.2	119	1.1	2.4
1000	86	97	60	25.4	30.2	18.8	22.8	126	1.7	3.6
950	516	548	483	23.3	32.8	12.4	18.6	132	2.8	4.8
925	767	781	744	22.3	32.2	11.2	14.7	116	2.8	4.7
900	1008	1020	982	21.4	31.6	16.0	10.7	113	3.1	4.9
850	1501	1514	1476	19.2	27.8	11.0	3.8	084	3.9	5.3
800	2019	2037	1994	16.3	24.8	9.2	-0.7	068	5.2	6.4
750	2557	2580	2537	12.9	21.0	3.0	-3.6	060	6.0	7.2
700	3140	3166	3113	9.3	16.6	2.6	-6.8	055	5.7	7.0
650	3742	3784	3710	6.0	13.2	-2.5	-10.1	058	4.9	6.7
600	4400	4438	4372	2.6	10.0	-4.9	-13.9	065	4.2	6.5
550	5107	5167	5070	-1.3	7.8	-8.9	-17.2	072	3.6	6.6
500	5851	5905	5822	-5.6	4.0	-13.9	-20.3	074	2.8	6.9
450	6670	6756	6626	-10.6	-1.1	-18.3	-24.3	061	1.5	7.3
400	7566	7646	7530	-16.3	-7.1	-23.1	-28.8	322	0.9	8.1
350	8557	8659	8514	-23.2	-11.7	-31.3	-34.6	271	2.4	9.0
300	9669	9805	9615	-31.3	-20.1	-40.3		250	4.3	10.2
250	10933	11100	10866	-41.5	-29.7	-52.3		239	6.3	11.6
200	12406	12607	12324	-53.6	-41.7	-63.7		236	6.9	13.0
175	13251	13470	13161	-60.3	-47.7	-70.7		238	6.6	13.2
150	14193	14412	14091	-67.4	-55.7	-77.5		244	5.4	12.2
125	15267	15504	15147	-74.3	-62.3	-84.1		250	3.0	10.4
100	16545	16818	16406	-79.8	-69.5	-89.5		088	0.2	8.4
80	17799	18148	17654	-78.3	-66.1	-90.1		075	1.4	6.5
70	18570	19025	18413	-74.9	-60.1	-87.1		297	0.3	6.3
60	19469	19944	19310	-70.6	-51.5	-83.3		275	1.8	7.3
50	20560	21084	20399	-65.5	-49.9	-76.5		255	1.5	8.1
40	21922	22522	21761	-60.5	-48.7	-72.1		121	1.2	9.4
30	23739	24208	23546	-55.1	-41.7	-65.5		089	4.5	12.8
25	24903	25340	24600	-52.4	-37.5	-64.5		089	5.8	14.3
20	26362	26871	26134	-49.5	-32.3	-68.9		088	6.8	16.9
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
566	4870	5460	4500				097	16750	-81.9

NORMALS OF RADIOSONDE DATA

MONTH : APRIL TIME : 0530 IST STATION : KARAIKAL

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1007	1009	1005	27.3	30.2	21.0	25.2	183	1.5	2.4
1000	68	83	47	27.1	30.2	21.0	24.8	185	2.5	3.6
950	504	538	472	25.0	31.0	18.2	21.7	186	4.3	5.8
925	757	773	735	23.5	30.0	16.8	19.4	185	3.7	5.4
900	996	1013	975	22.9	29.8	15.0	15.8	180	3.1	4.8
850	1493	1508	1471	20.5	28.4	12.6	9.7	110	1.5	3.8
800	2014	2028	1992	17.6	25.6	11.4	3.7	066	3.6	4.9
750	2555	2578	2536	14.1	22.2	6.8	-0.8	058	5.9	6.8
700	3140	3158	3117	10.3	17.8	3.6	-4.4	055	6.7	7.7
650	3745	3771	3722	6.4	13.8	-0.5	-8.1	052	6.4	7.6
600	4403	4428	4377	2.8	11.2	-5.9	-11.7	056	4.9	6.7
550	5111	5159	5073	-0.9	7.6	-7.9	-14.6	065	3.7	6.1
500	5857	5902	5824	-5.2	3.8	-12.9	-18.4	077	3.0	6.2
450	6677	6750	6640	-10.1	-0.9	-17.1	-22.3	078	1.9	6.5
400	7575	7649	7533	-15.8	-6.3	-24.5	-28.2	080	0.8	7.3
350	8567	8649	8521	-22.7	-12.5	-31.9	-33.7	259	1.0	7.9
300	9682	9795	9624	-30.9	-19.7	-40.7	-41.3	243	3.0	8.5
250	10948	11093	10877	-41.0	-28.1	-50.7	-50.2	225	5.2	9.7
200	12424	12623	12335	-53.3	-40.3	-63.7		213	6.4	11.3
175	13267	13495	13170	-60.4	-49.5	-71.9		210	5.8	11.4
150	14209	14472	14100	-67.6	-56.1	-77.9		212	4.3	10.8
125	15276	15590	15161	-74.8	-60.7	-84.1		182	1.2	9.0
100	16545	16917	16419	-80.4	-67.5	-88.5		088	3.3	8.1
80	17807	18212	17676	-78.6	-65.5	-87.9		089	2.6	6.6
70	18577	19008	18443	-74.4	-58.7	-85.5		094	0.7	6.4
60	19479	19921	19353	-68.9	-54.1	-79.3		257	0.7	7.3
50	20581	21062	20450	-63.3	-46.1	-74.3		139	0.9	8.6
40	21964	22571	21829	-58.3	-40.5	-69.1		094	4.6	10.4
30	23790	24489	23622	-52.8	-40.3	-62.5		088	9.4	14.3
25	24952	25643	24799	-50.5	-37.1	-60.5		087	10.9	15.7
20	26413	27237	26230	-47.7	-34.3	-55.9				
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
562	4930	5570	4550				098	16670	-82.3

NORMALS OF RADIOSONDE DATA

MONTH : MAY TIME : 0530 IST STATION : KARAIKAL

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1005	1007	1003	28.0	30.4	24.4	25.4	224	2.8	3.5
1000	49	70	33	27.9	30.2	24.0	25.1	222	3.7	4.6
950	485	516	443	26.2	33.6	18.6	21.2	230	7.3	8.8
925	740	752	731	25.1	33.8	18.6	19.3	238	6.9	8.3
900	980	998	967	24.3	35.2	17.8	16.8	238	5.9	7.6
850	1479	1494	1468	21.8	33.0	16.0	12.8	262	2.5	5.1
800	2003	2017	1990	18.8	28.8	11.6	8.3	003	2.0	4.7
750	2545	2568	2518	15.2	24.6	6.2	3.6	032	3.7	5.8
700	3134	3149	3117	11.3	19.4	4.0	-0.9	040	4.9	7.0
650	3740	3766	3715	7.0	14.8	-2.3	-4.8	042	5.0	7.7
600	4401	4422	4379	3.0	12.0	-3.9	-8.8	038	4.0	7.1
550	5109	5155	5076	-0.7	8.4	-7.7	-12.7	032	2.4	6.3
500	5856	5890	5828	-4.8	4.8	-13.1	-16.6	033	1.5	6.2
450	6679	6731	6645	-9.4	0.6	-18.5	-20.8	038	1.0	6.0
400	7579	7639	7538	-14.9	-3.3	-21.3	-26.3	070	0.9	5.8
350	8575	8640	8526	-21.5	-9.7	-28.5	-31.6	101	1.1	5.7
300	9696	9804	9633	-29.5	-18.5	-36.9	-39.1	126	1.4	5.9
250	10970	11109	10893	-39.7	-28.3	-48.1	-47.7	128	2.6	7.2
200	12454	12634	12360	-52.3	-38.9	-63.1		117	5.2	9.1
175	13302	13487	13199	-59.5	-48.1	-70.9		108	7.1	10.9
150	14249	14463	14134	-67.2	-56.1	-79.7		102	9.0	12.2
125	15324	15567	15192	-74.6	-63.3	-84.7		097	10.9	13.4
100	16600	16884	16448	-79.7	-69.1	-90.7		094	12.3	13.7
80	17867	18153	17696	-76.9	-61.1	-89.5		092	8.1	9.4
70	18646	18970	18471	-72.3	-56.1	-84.5		091	5.6	7.7
60	19557	19911	19382	-67.2	-47.7	-83.1		091	4.3	7.3
50	20664	21002	20499	-61.9	-45.3	-74.5		092	6.6	9.1
40	22045	22527	21881	-57.6	-41.9	-70.9		088	11.0	13.0
30	23868	24483	23702	-53.0	-39.5	-66.3		089	15.8	17.2
25	25029	25830	24865	-50.7	-39.1	-64.1		089	18.3	19.5
20	26486	26992	25942	-47.7	-37.9	-60.5		089	20.7	21.6
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
560	4950	5690	4620				100	16600	-81.5

NORMALS OF RADIOSONDE DATA

MONTH : JUNE TIME : 0530 IST STATION : KARAIKAL

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1004	1006	1003	27.7	38.2	23.2	23.7	248	3.9	4.3
1000	42	60	33	27.6	32.0	24.2	23.3	247	4.8	5.3
950	476	515	448	25.7	32.8	19.2	18.5	256	11.1	11.8
925	731	750	723	24.6	31.2	20.4	17.6	257	10.8	11.5
900	971	991	963	23.6	31.6	16.0	15.1	262	11.4	12.1
850	1469	1488	1458	20.9	29.4	11.8	12.6	267	9.7	10.4
800	1991	2010	1978	17.8	26.8	7.8	9.8	273	7.9	8.9
750	2532	2557	2507	14.4	21.6	6.0	6.8	279	6.7	8.1
700	3119	3138	3101	10.8	17.6	4.4	3.0	280	6.1	8.1
650	3726	3755	3701	7.1	14.4	1.0	-0.6	276	5.6	8.1
600	4387	4414	4362	3.2	11.6	-4.9	-4.3	273	5.3	7.9
550	5098	5138	5055	-0.6	8.0	-7.5	-8.6	269	4.9	7.3
500	5845	5892	5806	-4.7	6.2	-11.5	-13.0	265	4.1	6.7
450	6669	6745	6618	-9.3	0.8	-16.1	-18.4	256	2.4	5.8
400	7568	7639	7514	-14.8	-6.5	-21.5	-24.3	189	0.3	5.2
350	8565	8647	8505	-21.3	-12.1	-28.1	-30.7	083	2.3	5.7
300	9687	9801	9616	-29.4	-20.7	-37.3	-38.6	085	5.5	7.5
250	10961	11096	10878	-39.7	-31.1	-49.7	-47.3	086	10.5	11.8
200	12447	12616	12347	-52.0	-41.5	-64.9	-58.5	082	17.9	18.8
175	13299	13482	13186	-59.1	-48.3	-71.5		080	22.0	22.8
150	14246	14454	14120	-66.8	-55.9	-79.1		081	26.3	27.0
125	15327	15564	15184	-74.2	-62.3	-84.3		085	28.8	29.6
100	16606	16875	16452	-78.7	-62.5	-90.7		088	24.9	25.6
80	17887	18198	17732	-75.0	-59.5	-86.1		086	16.9	17.5
70	18674	19018	18515	-70.6	-54.3	-84.7		090	13.8	14.4
60	19596	19981	19435	-65.6	-51.3	-78.1		088	11.0	11.8
50	20715	21146	20535	-61.1	-46.7	-74.5		085	11.9	12.7
40	22099	22595	21905	-57.8	-41.7	-70.1		085	14.4	15.1
30	23925	24464	23664	-53.1	-38.9	-63.9		088	17.6	18.3
25	25088	25567	24896	-50.8	-36.5	-64.3		089	19.4	19.9
20	26565	27148	26320	-48.1	-32.7	-61.5				
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FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
558	4980	5720	4470				102	16520	-80.4

NORMALS OF RADIOSONDE DATA

MONTH : JULY TIME : 0530 IST STATION : KARAIKAL

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1005	1006	1004	27.0	31.2	23.4	23.3	257	3.9	4.2
1000	48	59	38	26.9	30.0	23.6	22.7	255	5.1	5.5
950	480	505	452	25.1	31.4	19.4	18.3	262	11.0	11.5
925	729	737	707	23.9	30.6	18.0	16.7	265	11.9	12.3
900	975	987	963	22.8	29.6	15.8	15.3	268	11.1	11.7
850	1471	1484	1458	19.9	26.8	13.2	12.9	271	9.7	10.3
800	1992	2007	1977	16.8	24.0	10.0	10.6	276	8.3	9.0
750	2532	2550	2509	13.4	20.2	6.8	7.7	280	7.6	8.4
700	3117	3138	3099	10.0	16.2	2.0	4.1	280	7.2	8.2
650	3724	3752	3697	6.5	12.6	0.0	0.4	275	6.5	7.6
600	4383	4409	4360	2.7	8.8	-4.1	-3.4	268	6.0	7.4
550	5092	5139	5051	-1.1	8.0	-6.5	-7.3	264	5.1	7.2
500	5838	5874	5804	-5.1	2.0	-11.1	-12.2	258	3.7	6.6
450	6662	6723	6611	-9.8	-1.1	-16.1	-17.6	225	1.6	6.1
400	7560	7619	7512	-15.3	-7.5	-22.7	-23.7	115	1.6	6.1
350	8555	8623	8501	-22.0	-11.7	-31.1	-29.9	091	4.5	7.2
300	9675	9756	9605	-30.1	-17.5	-40.5	-37.9	089	8.7	9.9
250	10943	11038	10862	-40.4	-30.9	-51.7	-46.9	086	15.1	15.9
200	12424	12550	12328	-52.7	-42.1	-65.1	-58.4	080	23.1	23.7
175	13272	13408	13164	-59.9	-48.1	-72.7		078	27.3	28.0
150	14219	14373	14094	-67.5	-54.3	-80.5		079	31.7	32.3
125	15297	15471	15155	-74.8	-59.1	-90.5		082	34.2	34.9
100	16577	16792	16416	-77.2	-60.5	-92.1		087	27.8	28.4
80	17869	18140	17695	-71.7	-56.5	-86.7		086	19.5	20.0
70	18667	18969	18475	-68.5	-51.9	-82.7		088	17.2	17.6
60	19600	19960	19437	-64.6	-46.3	-80.3		089	16.2	16.7
50	20721	21111	20554	-60.8	-43.7	-72.7		086	16.8	17.2
40	22105	22563	21924	-57.8	-42.7	-70.7		086	18.3	18.7
30	23919	24489	23727	-54.6	-41.5	-67.3		088	21.8	22.2
25	25084	25690	24851	-52.3	-40.5	-62.1		087	21.9	22.2
20	26542	27290	26277	-49.5	-35.5	-67.7				
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FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
563	4890	5420	4410				107	16210	-79.5

NORMALS OF RADIOSONDE DATA

MONTH : AUGUST TIME : 0530 IST STATION : KARAIKAL

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1005	1006	1005	26.5	30.2	23.0	23.6	256	3.6	4.0
1000	54	64	47	26.4	30.0	23.2	23.2	254	4.8	5.3
950	486	517	453	24.9	32.4	18.4	18.9	261	10.0	10.6
925	737	751	701	23.6	31.6	17.4	17.5	263	9.7	10.4
900	980	991	971	22.6	31.0	16.0	16.0	270	9.9	10.6
850	1476	1487	1465	19.8	27.4	13.2	13.5	274	8.6	9.3
800	1997	2011	1984	16.6	26.0	11.0	11.1	279	7.6	8.4
750	2536	2563	2500	13.2	19.8	7.4	8.0	281	7.2	8.1
700	3122	3143	3102	9.9	17.0	3.8	4.3	281	7.2	8.1
650	3727	3761	3693	6.4	16.6	0.4	0.4	276	6.6	7.7
600	4387	4417	4357	2.7	11.0	-2.3	-3.5	269	6.0	7.5
550	5097	5130	5040	-1.0	8.8	-6.7	-7.7	263	5.1	7.2
500	5843	5882	5798	-5.1	2.0	-14.7	-12.8	255	3.4	6.4
450	6667	6720	6613	-9.7	-3.3	-15.5	-18.2	224	1.4	5.9
400	7564	7617	7508	-15.3	-7.3	-22.1	-23.8	114	1.6	5.9
350	8558	8627	8490	-22.1	-11.3	-29.7	-30.6	095	4.6	7.2
300	9677	9759	9604	-30.3	-21.5	-39.1	-38.4	091	9.0	10.2
250	10948	11053	10862	-40.5	-29.1	-49.9	-47.7	087	15.4	16.1
200	12428	12569	12326	-52.9	-40.9	-63.3	-59.1	081	23.4	23.9
175	13277	13437	13162	-60.0	-47.5	-71.5		079	27.8	28.2
150	14221	14397	14092	-67.6	-54.1	-79.7		081	31.8	32.4
125	15291	15505	15150	-74.8	-60.5	-86.1		084	32.3	32.8
100	16575	16795	16417	-76.4	-63.9	-88.1		087	25.2	25.8
80	17888	18123	17693	-70.3	-58.5	-82.1		088	17.3	17.7
70	18688	18938	18480	-67.5	-55.9	-79.7		088	15.5	15.9
60	19627	19886	19421	-64.2	-49.7	-77.7		088	15.7	16.1
50	20751	21053	20529	-60.8	-48.1	-74.5		086	16.7	17.2
40	22139	22502	21891	-57.9	-46.7	-71.9		086	19.6	19.9
30	23967	24370	23703	-54.4	-41.5	-66.1		087	21.7	22.0
25	25144	25560	24865	-52.2	-42.5	-62.9		088	24.1	24.5
20	26601	27237	26313	-50.2	-40.7	-65.1				
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FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
563	4910	5370	4430				110	16060	-79.1

NORMALS OF RADIOSONDE DATA

MONTH : SEPTEMBER TIME : 0530 IST STATION : KARAIKAL

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1006	1008	1005	26.2	29.2	22.6	23.7	247	2.7	3.2
1000	61	78	46	26.1	28.0	22.4	23.5	245	4.1	4.7
950	493	530	464	24.6	31.2	19.8	19.3	255	7.3	8.4
925	745	762	732	23.2	28.4	18.6	18.0	256	7.2	8.2
900	986	1000	971	22.3	30.0	14.8	16.1	263	6.3	7.4
850	1482	1493	1465	19.5	27.0	14.0	13.4	275	4.8	6.1
800	2002	2014	1983	16.2	24.2	11.0	10.7	285	3.9	5.6
750	2542	2562	2510	13.0	19.4	7.2	7.4	291	3.5	5.6
700	3126	3144	3105	9.8	15.6	3.4	3.4	285	3.6	5.9
650	3732	3755	3706	6.5	12.6	-0.9	-1.1	277	3.5	6.0
600	4391	4420	4360	2.8	8.8	-6.9	-5.0	268	3.0	5.9
550	5101	5137	5048	-1.0	6.0	-8.5	-9.1	259	1.8	5.7
500	5846	5888	5805	-5.2	3.4	-11.7	-13.8	219	0.7	5.3
450	6670	6729	6617	-9.9	-1.7	-17.9	-18.8	114	1.3	5.3
400	7567	7627	7506	-15.4	-7.5	-21.5	-24.7	097	3.2	5.8
350	8562	8628	8499	-22.1	-12.9	-29.3	-31.5	094	5.7	7.3
300	9681	9767	9598	-30.2	-21.1	-38.5	-38.9	094	8.8	9.6
250	10952	11057	10849	-40.5	-29.9	-49.9	-48.3	092	13.1	13.9
200	12432	12573	12305	-53.1	-41.3	-64.1		086	18.6	19.2
175	13277	13440	13137	-60.3	-48.7	-72.7		084	21.9	22.5
150	14220	14406	14066	-67.9	-56.7	-79.5		085	25.2	25.9
125	15293	15507	15118	-74.9	-63.1	-86.3		089	25.2	25.7
100	16576	16829	16371	-76.8	-63.1	-90.5		089	19.9	20.3
80	17870	18160	17628	-71.6	-57.5	-84.9		090	13.4	14.0
70	18670	18992	18394	-68.1	-50.3	-79.9		092	11.7	12.5
60	19601	19934	19298	-64.5	-49.9	-77.3		088	12.2	12.9
50	20720	21063	20396	-61.4	-47.9	-73.3		084	14.1	14.6
40	22105	22498	21752	-58.4	-38.7	-67.9		085	16.1	16.6
30	23924	24399	23524	-55.0	-42.5	-65.5		089	18.9	19.5
25	25048	25480	24657	-53.2	-41.5	-66.7		090	21.8	22.3
20	26480	26946	26083	-51.1	-40.5	-61.9				
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FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
562	4920	5390	4410				108	16120	-79.3

NORMALS OF RADIOSONDE DATA

MONTH : OCTOBER TIME : 0530 IST STATION : KARAIKAL

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1008	1011	1006	25.7	29.8	22.8	24.1	266	1.1	2.6
1000	73	100	57	25.5	30.8	22.4	23.6	262	1.9	4.2
950	505	551	481	23.8	32.0	19.2	19.7	264	2.4	6.1
925	756	783	741	22.2	28.4	18.2	18.0	274	2.5	5.9
900	996	1021	980	21.3	30.0	15.4	16.2	299	1.3	5.7
850	1490	1512	1473	18.4	27.2	11.2	12.8	348	1.6	5.5
800	2008	2027	1991	15.4	24.6	7.4	9.6	356	2.0	5.5
750	2549	2570	2535	12.4	21.6	4.8	5.7	355	2.1	5.6
700	3129	3145	3110	9.4	18.2	2.6	2.1	337	1.5	5.7
650	3736	3754	3719	6.2	14.4	0.2	-1.7	316	1.0	5.7
600	4393	4418	4369	2.7	10.2	-3.1	-5.4	284	0.2	5.4
550	5103	5148	5066	-1.1	6.2	-7.1	-9.4	100	0.5	5.3
500	5848	5884	5817	-5.2	2.4	-11.5	-13.7	100	1.3	5.4
450	6671	6719	6633	-9.9	-0.5	-16.3	-18.9	100	2.3	5.5
400	7570	7632	7525	-15.5	-5.9	-23.3	-24.2	099	3.0	5.7
350	8564	8633	8513	-22.2	-11.9	-30.7	-31.0	099	4.0	6.0
300	9681	9766	9618	-30.5	-17.9	-41.5	-38.9	098	5.5	7.2
250	10950	11056	10880	-40.9	-25.1	-50.3	-48.6	099	7.7	9.4
200	12427	12560	12338	-53.7	-41.1	-65.1		097	10.6	12.6
175	13268	13420	13169	-61.2	-49.1	-73.9		096	12.7	14.6
150	14206	14391	14092	-68.7	-56.9	-81.9		096	14.5	16.3
125	15277	15481	15157	-75.6	-65.1	-84.3		097	15.5	17.0
100	16550	16787	16424	-78.4	-65.7	-88.7		095	10.9	12.3
80	17835	18131	17686	-73.7	-58.3	-87.1		087	7.2	8.9
70	18627	18960	18441	-69.9	-55.9	-83.3		084	7.4	8.9
60	19549	19886	19346	-66.5	-50.5	-76.9		087	8.3	9.7
50	20664	21030	20439	-62.4	-44.7	-74.1		088	10.3	11.6
40	22035	22409	21793	-59.1	-44.7	-70.7		088	12.9	13.9
30	23837	24308	23565	-55.2	-42.5	-65.9		091	16.6	17.9
25	24989	25453	24706	-52.9	-38.7	-62.9		089	18.4	19.9
20	26424	26990	26123	-50.0	-36.1	-61.7				
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FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
563	4900	5350	4520				107	16180	-80.2

NORMALS OF RADIOSONDE DATA

MONTH : NOVEMBER TIME : 0530 IST STATION : KARAIKAL

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1009	1013	1007	24.8	29.0	20.8	23.2	016	2.0	3.5
1000	85	122	68	24.6	28.2	20.8	22.6	012	3.1	5.1
950	514	545	486	22.8	32.4	18.6	19.1	031	4.6	7.1
925	765	779	752	21.1	25.6	16.6	17.9	046	4.6	7.1
900	1005	1044	989	20.0	29.6	14.2	15.6	042	5.1	7.5
850	1496	1535	1481	17.2	23.2	11.2	11.8	047	4.8	7.4
800	2012	2050	1996	14.6	20.6	7.8	8.5	050	4.2	7.1
750	2552	2582	2531	12.0	18.4	5.0	5.0	058	3.5	6.7
700	3132	3171	3113	9.3	15.2	-2.9	1.5	067	2.9	6.3
650	3739	3798	3719	6.2	12.2	-5.5	-2.3	076	2.6	6.2
600	4396	4429	4375	2.7	10.2	-4.9	-6.0	082	2.8	6.3
550	5105	5160	5073	-1.0	7.6	-8.9	-9.6	085	3.2	6.4
500	5851	5899	5824	-5.1	4.2	-13.5	-13.5	084	3.8	6.8
450	6674	6752	6642	-9.8	0.8	-19.9	-18.6	084	4.0	7.0
400	7572	7639	7535	-15.4	-2.7	-26.9	-24.6	089	3.7	6.9
350	8566	8648	8522	-22.1	-10.5	-28.5	-30.8	092	3.5	6.8
300	9684	9785	9627	-30.4	-20.3	-38.1	-38.4	113	3.8	6.9
250	10953	11081	10885	-40.9	-30.9	-49.5	-47.8	128	5.3	8.3
200	12429	12595	12348	-53.6	-42.7	-61.3		129	6.9	10.4
175	13274	13465	13184	-60.7	-49.9	-71.1		128	6.9	11.0
150	14214	14433	14115	-68.1	-55.5	-77.1		124	6.5	10.9
125	15284	15550	15176	-75.2	-59.9	-84.1		113	5.8	9.8
100	16554	16885	16426	-80.1	-68.5	-89.7		095	5.4	8.3
80	17816	18177	17658	-76.9	-63.5	-88.7		084	4.8	7.2
70	18600	18986	18400	-72.4	-55.7	-83.7		081	3.7	6.6
60	19509	19864	19278	-68.2	-55.5	-81.3		083	3.9	7.2
50	20609	20979	20346	-63.9	-50.7	-75.3		092	6.6	9.5
40	21978	22427	21678	-59.6	-47.7	-71.1		093	8.9	11.7
30	23773	24200	23439	-55.4	-39.9	-67.7		091	12.1	15.7
25	24910	25371	24585	-53.2	-39.7	-64.1		091	14.5	18.1
20	26351	26785	26000	-50.3	-37.5	-62.1				
15										
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FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
563	4910	5400	4640				101	16510	-81.7

NORMALS OF RADIOSONDE DATA

MONTH : DECEMBER TIME : 0530 IST STATION : KARAIKAL

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1011	1013	1009	24.2	27.8	20.0	21.9	028	3.4	4.3
1000	102	116	87	23.9	28.2	20.0	21.2	026	5.3	6.4
950	529	563	495	21.7	32.8	13.8	18.0	039	7.3	8.2
925	782	794	771	19.8	27.8	14.0	16.0	044	7.5	8.3
900	1019	1029	1003	18.7	29.6	10.6	14.6	049	7.5	8.4
850	1508	1517	1493	16.0	24.2	8.8	10.8	057	6.5	7.7
800	2022	2037	2006	13.9	23.0	5.6	6.3	065	5.4	6.9
750	2561	2586	2536	12.0	21.0	5.8	2.6	073	4.7	6.4
700	3140	3168	3120	9.5	18.6	4.0	-0.6	077	4.2	6.2
650	3748	3784	3715	6.4	15.0	-1.5	-3.9	080	4.2	6.1
600	4404	4441	4379	2.9	12.0	-3.3	-8.0	081	4.3	6.3
550	5110	5153	5075	-1.1	9.2	-8.1	-11.4	081	4.3	6.6
500	5857	5905	5825	-5.5	8.4	-11.9	-15.5	078	4.3	7.0
450	6676	6729	6636	-10.3	-0.7	-19.3	-20.5	073	3.4	7.2
400	7575	7634	7529	-16.0	-6.3	-26.9	-26.6	062	2.2	7.2
350	8566	8639	8515	-22.9	-14.1	-31.1	-32.5	016	0.3	7.6
300	9680	9761	9616	-31.2	-20.1	-39.3	-40.1	209	2.1	8.5
250	10945	11040	10868	-41.5	-28.1	-50.5		196	4.9	10.2
200	12418	12540	12328	-53.8	-42.7	-64.0		202	6.5	11.9
175	13262	13391	13164	-60.8	-50.0	-72.9		208	6.7	12.3
150	14204	14356	14094	-67.8	-56.5	-82.1		218	5.9	11.7
125	15276	15444	15162	-74.4	-64.5	-84.1		226	3.3	9.5
100	16550	16739	16420	-79.9	-67.7	-88.7		118	1.6	7.8
80	17804	18032	17664	-78.0	-58.1	-89.7		088	4.0	7.4
70	18574	18828	18411	-74.3	-56.1	-87.3		082	3.1	6.8
60	19474	19755	19285	-69.8	-53.7	-82.9		077	2.3	6.8
50	20569	20854	20351	-65.0	-47.9	-76.1		090	3.8	8.4
40	21938	22259	21680	-60.4	-43.3	-73.7		094	6.5	10.9
30	23734	24120	23441	-55.7	-43.3	-68.1		088	8.5	13.1
25	24895	25331	24580	-52.9	-41.3	-64.3		084	8.7	14.2
20	26327	26868	25980	-50.2	-32.9	-61.7				
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
563	4910	5400	4640				101	16650	-81.9

NORMALS OF RADIOSONDE DATA

MONTH : JANUARY TIME : 0530 IST STATION : KOCHI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1011	1013	1009	24.3	29.0	18.0	20.8	076	0.2	0.2
1000	98	111	84	24.1	28.0	19.0	20.1			
950	545	561	529	22.2	29.8	15.8	16.9			
925	780	794	769	21.1	28.8	16.0	15.5			
900	1015	1029	999	19.3	27.8	13.0	13.5			
850	1505	1520	1489	16.5	26.0	9.6	9.3			
800	2020	2038	2001	14.1	23.4	5.8	3.7			
750	2561	2582	2544	12.1	20.6	3.4	-0.7			
700	3137	3160	3117	9.6	19.0	1.6	-5.1			
650	3747	3773	3723	6.4	15.8	-1.0	-8.0			
600	4400	4427	4378	2.7	11.4	-4.5	-10.5			
550	5097	5127	5073	-1.3	6.0	-9.0	-13.7			
500	5852	5888	5828	-5.8	1.0	-13.7	-17.6			
450	6668	6716	6638	-10.8	-1.9	-18.7	-22.5			
400	7567	7628	7530	-16.6	-4.0	-24.5	-28.1			
350	8553	8633	8509	-23.8	-14.1	-34.0	-34.7			
300	9666	9762	9605	-32.2	-23.3	-41.7				
250	10926	11043	10850	-42.3	-32.5	-54.1				
200	12396	12539	12296	-54.8	-42.0	-69.5				
175	13237	13396	13137	-61.5	-46.0	-72.5				
150	14176	14344	14080	-68.4	-50.0	-79.5				
125	15253	15432	15118	-74.7	-55.0	-86.7				
100	16529	16746	16358	-79.4	-62.0	-90.5				
80	17784	18045	17623	-78.0	-64.3	-88.9				
70	18545	18823	18392	-74.3	-56.1	-88.5				
60	19454	19745	19275	-69.9	-51.5	-83.0				
50	20554	20877	20370	-65.4	-48.3	-82.0				
40	21922	22267	21691	-60.3	-45.3	-80.0				
30	23756	24259	23492	-54.7	-40.7	-78.0				
25	24923	25423	24436	-52.1	-37.7	-78.0				
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
565	4880	5370	4580				099	16640	-81.9

NORMALS OF RADIOSONDE DATA

MONTH : FEBRUARY TIME : 0530 IST STATION : KOCHI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1010	1012	1007	25.5	30.0	21.0	22.4	056	0.1	0.2
1000	93	112	64	25.1	29.8	19.0	21.9			
950	542	560	512	22.7	29.4	16.8	18.9			
925	778	789	764	21.3	28.0	17.0	17.4			
900	1012	1027	988	19.8	28.4	12.2	15.1			
850	1504	1520	1482	17.0	25.0	10.8	10.7			
800	2019	2036	1996	14.3	21.2	6.8	5.9			
750	2561	2578	2536	12.0	23.6	4.8	0.0			
700	3137	3156	3113	9.3	18.8	4.0	-4.5			
650	3747	3768	3721	6.1	15.0	-2.1	-8.1			
600	4399	4422	4372	2.6	10.6	-4.1	-11.5			
550	5096	5122	5068	-1.5	6.8	-13.0	-14.3			
500	5850	5879	5823	-6.1	0.8	-17.0	-18.2			
450	6665	6703	6632	-10.9	-3.9	-20.9	-23.2			
400	7563	7610	7530	-16.7	-6.0	-32.5				
350	8550	8613	8506	-23.7	-12.9	-40.1				
300	9663	9739	9617	-32.1	-22.7	-42.7				
250	10924	11021	10865	-42.3	-29.0	-54.3				
200	12393	12519	12319	-54.7	-43.7	-67.9				
175	13234	13376	13155	-61.4	-48.0	-76.1				
150	14175	14336	14078	-68.3	-52.0	-84.1				
125	15250	15468	15149	-74.6	-62.0	-87.7				
100	16530	16731	16417	-79.4	-68.0	-89.1				
80	17788	18042	17660	-78.1	-62.3	-88.7				
70	18555	18816	18415	-74.6	-58.3	-86.5				
60	19461	19735	19317	-70.2	-54.9	-87.0				
50	20553	20842	20396	-65.3	-46.1	-82.0				
40	21916	22227	21732	-60.6	-49.1	-80.0				
30	23717	24088	23484	-55.4	-41.7	-77.0				
25	24887	25307	24407	-52.7	-40.1	-75.0				
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
567	4850	5220	4560				099	16630	-81.6

NORMALS OF RADIOSONDE DATA

MONTH : MARCH TIME : 0530 IST STATION : KOCHI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1010	1011	1007	26.6	32.0	22.0	23.6	070	0.1	0.1
1000	88	98	65	26.2	31.0	17.0	23.2			
950	538	550	519	23.7	30.8	19.6	20.6			
925	774	783	753	22.4	27.2	18.0	18.8			
900	1011	1022	991	21.0	27.6	16.0	16.9			
850	1504	1516	1486	18.4	24.0	12.0	12.2			
800	2022	2036	2005	15.7	24.6	8.0	6.4			
750	2565	2582	2549	12.7	24.4	6.0	0.7			
700	3142	3160	3124	9.5	20.4	3.6	-4.0			
650	3753	3776	3733	6.3	15.2	-3.3	-7.6			
600	4406	4431	4383	2.9	9.6	-6.0	-11.1			
550	5104	5134	5081	-1.1	6.0	-10.0	-14.4			
500	5859	5896	5833	-5.6	1.2	-14.1	-18.0			
450	6675	6722	6647	-10.6	-2.1	-18.5	-23.0			
400	7574	7632	7541	-16.5	-8.1	-26.0	-27.7			
350	8562	8636	8518	-23.4	-12.5	-32.3				
300	9677	9760	9615	-31.6	-19.3	-41.0				
250	10939	11041	10862	-41.6	-31.0	-53.5				
200	12411	12539	12319	-53.9	-35.7	-67.9				
175	13257	13396	13165	-60.5	-49.0	-75.5				
150	14201	14355	14100	-67.3	-55.0	-79.5				
125	15279	15453	14970	-74.0	-61.0	-83.9				
100	16556	16754	16230	-79.3	-59.3	-89.9				
80	17823	18054	17527	-77.9	-64.0	-89.5				
70	18593	18822	18324	-74.0	-56.1	-85.0				
60	19501	19730	19262	-69.4	-47.1	-81.0				
50	20605	21061	20448	-64.5	-44.1	-81.0				
40	21974	22205	21723	-59.3	-42.7	-79.0				
30	23800	24070	23414	-53.4	-36.7	-75.0				
25	24970	25350	24200	-50.9	-33.1	-73.1				
20	26437	26773	26198	-48.1	-29.1	-71.1				
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
563	4910	5440	4580				097	16740	-81.4

NORMALS OF RADIOSONDE DATA

MONTH : APRIL TIME : 0530 IST STATION : KOCHI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1008	1010	1007	27.1	32.0	24.0	24.3	288	0.1	0.3
1000	75	88	64	26.8	31.4	23.8	24.0			
950	526	541	515	24.3	30.2	18.0	21.4			
925	766	775	756	23.0	28.8	18.6	20.7			
900	1001	1015	986	21.5	28.4	14.2	18.6			
850	1495	1511	1479	19.0	27.6	12.0	15.1			
800	2015	2034	1998	16.4	24.0	9.0	10.7			
750	2560	2585	2542	13.5	19.6	7.0	5.0			
700	3139	3167	3121	10.1	15.8	3.2	-0.7			
650	3750	3783	3728	6.3	12.2	-4.5	-4.7			
600	4403	4440	4380	2.7	9.0	-5.3	-8.5			
550	5101	5143	5073	-1.1	7.0	-13.0	-12.4			
500	5857	5901	5825	-5.4	1.2	-14.5	-16.2			
450	6674	6722	6635	-10.3	-2.9	-18.0	-21.2			
400	7574	7623	7532	-16.2	-8.0	-25.1	-26.9			
350	8563	8623	8509	-23.1	-14.7	-34.0	-33.0			
300	9679	9750	9621	-31.2	-23.1	-42.1	-40.0			
250	10944	11033	10874	-41.2	-32.1	-53.9				
200	12422	12536	12343	-53.4	-40.7	-66.9				
175	13269	13398	13187	-60.2	-45.7	-73.5				
150	14214	14361	14122	-67.3	-50.9	-81.3				
125	15296	15461	15190	-73.9	-57.9	-84.3				
100	16578	16762	16451	-79.5	-64.0	-88.7				
80	17844	18061	17695	-77.9	-64.7	-89.0				
70	18615	18834	18457	-74.0	-61.1	-85.0				
60	19523	19779	19355	-68.8	-55.9	-83.3				
50	20623	20912	20437	-63.6	-47.5	-78.9				
40	21999	22282	21770	-58.3	-46.5	-74.0				
30	23832	24158	23558	-52.6	-39.1	-68.0				
25	25016	25355	24735	-49.5	-32.5	-66.0				
20	26497	26899	26197	-46.2	-31.5	-58.7				
15	28396	28917	28084	-43.6	-32.9	-58.9				
10										
7	ONLY RADIOSONDE OBSERVATIONS TAKEN AT KOCHI									

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
564	4890	5450	4500				098	16700	-81.3

NORMALS OF RADIOSONDE DATA

MONTH : MAY TIME : 0530 IST STATION : KOCHI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1007	1009	1007	26.9	30.0	18.0	24.5	280	0.1	0.2
1000	68	82	60	26.6	29.6	14.0	24.1			
950	517	530	493	24.1	30.4	19.2	21.6			
925	758	764	751	22.9	28.2	17.6	20.7			
900	993	1005	981	21.4	27.2	13.4	18.7			
850	1487	1501	1473	19.0	26.0	11.0	15.2			
800	2007	2024	1989	16.6	23.4	9.0	11.4			
750	2553	2575	2535	13.9	20.6	6.0	7.1			
700	3134	3158	3110	10.5	18.0	2.0	2.2			
650	3745	3772	3719	6.6	14.0	-7.9	-1.8			
600	4399	4431	4372	2.7	10.2	-6.5	-5.9			
550	5098	5133	5068	-1.0	6.0	-11.1	-9.8			
500	5854	5891	5825	-5.2	2.0	-16.9	-14.1			
450	6671	6717	6637	-9.7	-1.7	-24.0	-18.5			
400	7575	7624	7537	-15.2	-7.0	-28.7	-23.8			
350	8566	8624	8524	-22.0	-11.3	-34.9	-30.4			
300	9687	9764	9645	-30.2	-21.9	-42.7	-38.0			
250	10958	11046	10904	-40.2	-29.7	-52.9	-47.9			
200	12440	12554	12369	-52.8	-36.0	-66.3				
175	13287	13418	13208	-59.9	-46.3	-74.7				
150	14231	14390	14141	-67.4	-54.9	-89.9				
125	15307	15482	15167	-74.5	-61.0	-85.1				
100	16582	16777	16447	-79.6	-66.0	-91.3				
80	17855	18072	17717	-77.1	-65.1	-88.1				
70	18629	18854	18477	-73.1	-59.3	-91.0				
60	19543	19774	19380	-67.9	-54.1	-81.0				
50	20649	20906	20478	-62.5	-45.9	-79.0				
40	22036	22346	21839	-57.5	-43.7	-75.0				
30	23874	24253	23585	-52.2	-35.9	-72.0				
25	25047	25399	24811	-49.5	-34.3	-66.0				
20	26517	26880	26296	-46.8	-31.3	-58.5				
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
564	4900	5380	4520				099	16680	-81.5

NORMALS OF RADIOSONDE DATA

MONTH : JUNE TIME : 0530 IST STATION : KOCHI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1008	1009	1006	25.6	30.0	22.0	23.7	257	0.6	0.8
1000	71	83	59	25.3	29.2	22.0	23.4			
950	518	534	489	22.9	28.8	17.0	20.8			
925	755	769	744	21.9	27.4	15.8	19.7			
900	992	1006	980	20.3	26.0	15.0	18.1			
850	1484	1498	1472	17.6	23.4	12.4	14.9			
800	2001	2017	1989	14.9	21.4	9.0	11.5			
750	2545	2568	2534	12.3	19.8	6.0	7.6			
700	3122	3146	3109	9.5	18.0	2.6	3.4			
650	3732	3748	3719	6.4	14.2	0.4	-0.6			
600	4387	4418	4369	3.0	11.0	-3.7	-4.0			
550	5086	5124	5066	-0.7	7.0	-6.9	-7.3			
500	5844	5885	5818	-4.8	5.0	-12.1	-12.1			
450	6663	6704	6634	-9.5	-2.0	-17.7	-16.9			
400	7567	7617	7530	-15.1	-7.0	-22.5	-22.5			
350	8561	8617	8519	-21.9	-13.3	-30.3	-29.5			
300	9683	9748	9626	-29.9	-20.5	-39.1	-37.7			
250	10956	11037	10884	-40.0	-29.1	-51.9	-47.4			
200	12442	12546	12347	-52.3	-40.0	-63.7				
175	13293	13409	13182	-59.2	-47.0	-77.9				
150	14244	14384	14120	-66.6	-54.0	-78.3				
125	15328	15499	15183	-73.7	-56.0	-85.7				
100	16610	16817	16443	-77.7	-62.0	-87.9				
80	17887	18125	17700	-74.3	-60.1	-88.7				
70	18666	18989	18475	-70.2	-56.7	-82.3				
60	19585	19946	19359	-65.9	-52.0	-77.0				
50	20712	21038	20487	-61.5	-47.3	-72.5				
40	22111	22617	21844	-57.0	-43.7	-68.0				
30	23941	24280	23662	-52.8	-39.1	-63.5				
25	25136	25493	24804	-50.2	-32.9	-62.3				
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
560	4940	5420	4550				104	16420	-79.7

NORMALS OF RADIOSONDE DATA

MONTH : JULY TIME : 0530 IST STATION : KOCHI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1008	1010	1007	25.2	30.2	22.4	23.5	274	0.6	0.7
1000	76	87	65	24.8	29.2	21.2	22.9			
950	523	533	499	22.4	27.8	17.2	20.4			
925	758	763	749	21.4	26.6	17.4	19.1			
900	995	1005	983	19.6	26.4	13.8	17.5			
850	1486	1497	1472	16.9	24.0	12.0	14.4			
800	2002	2016	1986	14.3	20.4	4.6	11.1			
750	2545	2566	2527	11.7	17.4	6.0	7.5			
700	3121	3142	3100	8.9	15.0	3.0	3.4			
650	3731	3750	3708	5.8	12.2	0.0	-0.1			
600	4384	4412	4358	2.5	9.0	-3.7	-3.5			
550	5083	5126	5052	-1.1	6.0	-7.7	-7.1			
500	5838	5878	5808	-5.2	1.8	-11.7	-11.9			
450	6656	6699	6620	-10.0	-2.9	-20.3	-17.1			
400	7558	7611	7525	-15.7	-8.0	-29.3	-23.0			
350	8549	8591	8506	-22.6	-15.0	-35.9	-30.1			
300	9668	9727	9629	-30.7	-22.0	-47.5	-38.3			
250	10936	10997	10885	-40.9	-28.7	-60.5	-48.1			
200	12415	12501	12341	-53.2	-35.7	-74.5				
175	13259	13367	13176	-60.1	-48.0	-77.7				
150	14206	14336	14106	-67.3	-54.0	-82.0				
125	15288	15448	15171	-74.1	-61.0	-83.9				
100	16579	16762	16424	-76.3	-64.1	-87.1				
80	17881	18068	17690	-71.4	-55.7	-84.9				
70	18679	18876	18480	-68.0	-50.3	-83.0				
60	19608	19794	19391	-64.5	-46.5	-76.0				
50	20730	20962	20479	-61.1	-44.7	-75.0				
40	22114	22390	21674	-57.4	-43.1	-66.7				
30	23954	24263	23440	-53.4	-39.1	-64.1				
25	25116	25553	24735	-51.3	-35.9	-63.1				
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
565	4870	5210	4590				108	16130	-78.9

NORMALS OF RADIOSONDE DATA

MONTH : AUGUST TIME : 0530 IST STATION : KOCHI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1009	1010	1007	25.2	29.6	22.0	23.4	277	0.5	0.6
1000	80	93	64	24.8	29.0	21.8	23.0			
950	526	543	505	22.2	26.8	15.2	20.4			
925	764	775	758	21.2	25.0	15.0	19.2			
900	999	1013	984	19.4	25.0	13.2	17.5			
850	1489	1507	1475	16.8	24.0	11.0	14.4			
800	2005	2026	1992	14.2	22.0	8.0	11.1			
750	2547	2569	2527	11.7	18.0	6.0	7.6			
700	3124	3153	3106	8.9	15.2	2.0	3.3			
650	3733	3752	3714	5.8	12.0	0.0	-0.5			
600	4386	4424	4359	2.4	8.2	-5.0	-4.1			
550	5084	5126	5049	-1.3	6.2	-10.0	-7.8			
500	5840	5886	5801	-5.5	3.6	-17.0	-12.4			
450	6657	6697	6617	-10.2	-0.5	-22.0	-17.5			
400	7558	7614	7512	-15.9	-3.9	-28.0	-23.7			
350	8547	8592	8489	-23.0	-8.1	-35.0	-31.0			
300	9664	9724	9598	-31.4	-15.9	-46.0	-39.2			
250	10929	10998	10850	-41.5	-24.3	-54.5	-48.6			
200	12404	12493	12310	-53.8	-44.0	-69.1				
175	13251	13347	13134	-60.7	-50.0	-72.0				
150	14194	14312	14066	-67.9	-55.0	-79.0				
125	15267	15396	15116	-74.7	-60.0	-85.0				
100	16553	16698	16429	-76.3	-60.0	-89.0				
80	17849	18002	17691	-71.2	-55.0	-85.0				
70	18645	18798	18447	-68.1	-51.0	-84.0				
60	19578	19748	19388	-64.7	-50.1	-84.0				
50	20708	20916	20412	-61.1	-45.1	-82.0				
40	22125	22363	21893	-57.1	-43.9	-72.0				
30	23957	24235	23698	-53.4	-36.3	-70.0				
25	25119	25474	24724	-51.7	-36.9	-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
566	4850	5240	4530				110	16000	-79.1

NORMALS OF RADIOSONDE DATA

MONTH : SEPTEMBER TIME : 0530 IST STATION : KOCHI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1009	1011	1007	25.5	30.6	23.0	23.6	294	0.1	0.3
1000	81	95	68	25.1	30.0	21.0	23.1			
950	528	545	503	22.4	28.0	16.4	20.2			
925	766	777	754	21.2	25.4	16.8	18.9			
900	1000	1015	984	19.7	30.6	13.8	17.3			
850	1492	1508	1475	17.1	24.0	11.0	14.1			
800	2008	2026	1990	14.6	20.2	8.0	10.9			
750	2551	2572	2534	12.0	18.0	5.0	7.3			
700	3128	3153	3108	9.2	16.0	2.8	3.4			
650	3738	3762	3717	6.0	12.6	-2.1	-0.8			
600	4390	4424	4365	2.5	8.4	-4.0	-4.6			
550	5089	5132	5059	-1.3	4.0	-8.0	-8.8			
500	5844	5886	5808	-5.6	0.0	-14.0	-13.4			
450	6661	6704	6622	-10.4	-2.7	-18.0	-18.5			
400	7561	7611	7507	-16.1	-8.3	-26.0	-24.6			
350	8551	8589	8498	-23.1	-12.9	-33.7	-31.5			
300	9668	9722	9600	-31.4	-20.1	-42.7	-39.5			
250	10931	10994	10853	-41.7	-28.0	-57.9	-49.6			
200	12404	12482	12301	-54.3	-41.1	-66.5				
175	13249	13331	13141	-61.1	-47.7	-74.9				
150	14189	14290	14061	-68.5	-55.0	-80.7				
125	15259	15379	15128	-75.0	-62.0	-88.0				
100	16543	16705	16397	-76.6	-61.0	-87.9				
80	17841	18120	17669	-72.2	-60.1	-87.0				
70	18635	18934	18472	-68.6	-55.7	-80.0				
60	19561	19894	19389	-65.2	-49.7	-77.0				
50	20677	20869	20496	-62.0	-46.7	-75.0				
40	22072	22388	21835	-58.7	-42.1	-72.0				
30	23908	24250	23547	-54.6	-34.9	-68.0				
25	25086	25470	24518	-52.1	-38.7	-70.7				
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
566	4860	5260	4510				110	16010	-79.0

NORMALS OF RADIOSONDE DATA

MONTH : OCTOBER TIME : 0530 IST STATION : KOCHI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1009	1012	1008	25.5	30.0	20.2	23.6	275	0.1	0.2
1000	84	104	70	25.1	29.4	20.0	23.0			
950	532	556	520	22.8	28.0	16.0	20.1			
925	768	790	752	21.5	27.0	17.0	18.6			
900	1004	1028	989	20.1	27.8	14.6	17.1			
850	1496	1522	1481	17.4	24.6	12.0	14.1			
800	2013	2041	1997	14.8	21.6	8.0	10.5			
750	2555	2586	2537	12.1	24.0	6.0	6.6			
700	3132	3163	3113	9.1	15.0	2.0	2.8			
650	3742	3775	3717	5.9	13.0	-4.9	-0.9			
600	4395	4427	4368	2.4	11.0	-4.0	-4.4			
550	5094	5129	5061	-1.3	6.0	-10.0	-8.3			
500	5849	5904	5805	-5.5	1.2	-16.0	-13.1			
450	6665	6706	6606	-10.3	-3.1	-22.0	-18.2			
400	7566	7608	7495	-15.9	-6.9	-28.7	-24.0			
350	8556	8608	8463	-23.0	-13.1	-34.0	-30.9			
300	9671	9736	9555	-31.4	-20.3	-42.0	-39.0			
250	10935	11016	10788	-41.7	-29.5	-53.0	-48.9			
200	12408	12513	12221	-54.5	-39.3	-68.0				
175	13253	13370	13060	-61.4	-43.7	-74.0				
150	14194	14326	13980	-68.6	-48.9	-84.0				
125	15269	15417	15047	-75.0	-55.3	-91.0				
100	16553	16754	16365	-77.8	-63.1	-88.3				
80	17839	18033	17636	-73.7	-59.1	-87.0				
70	18626	18832	18410	-70.0	-51.3	-87.0				
60	19544	19771	19318	-66.2	-49.1	-80.0				
50	20657	20891	20411	-62.1	-44.5	-76.0				
40	22053	22302	21767	-58.2	-46.1	-74.0				
30	23886	24137	23578	-53.4	-36.1	-70.0				
25	25087	25557	24745	-50.1	-35.1	-60.7				
20	26562	26876	26091	-47.1	-29.9	-57.9				
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
567	4840	5240	4420				107	16180	-79.7

NORMALS OF RADIOSONDE DATA

MONTH : NOVEMBER TIME : 0530 IST STATION : KOCHI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1010	1011	1008	25.3	29.0	20.2	23.1	057	0.1	0.3
1000	87	104	70	25.0	28.8	21.0	22.5			
950	535	550	511	22.8	28.4	17.8	19.2			
925	770	781	764	21.8	26.8	17.4	17.8			
900	1007	1025	991	20.0	28.0	14.0	16.1			
850	1498	1514	1485	17.1	23.2	11.0	12.9			
800	2014	2029	1998	14.3	20.2	8.0	9.4			
750	2556	2575	2536	11.7	18.2	5.8	5.2			
700	3132	3152	3111	8.9	14.8	2.8	1.5			
650	3742	3764	3718	5.8	11.0	0.4	-2.2			
600	4394	4418	4363	2.3	8.0	-3.7	-5.9			
550	5092	5121	5057	-1.4	6.0	-7.0	-9.4			
500	5847	5882	5799	-5.6	0.2	-13.0	-13.6			
450	6664	6707	6608	-10.3	-4.0	-20.0	-18.6			
400	7564	7617	7486	-16.2	-8.1	-29.0	-24.3			
350	8553	8620	8448	-23.2	-15.5	-37.0	-31.2			
300	9668	9748	9532	-31.6	-23.3	-46.0	-39.2			
250	10930	11028	10756	-42.0	-30.0	-56.0	-49.3			
200	12399	12527	12175	-54.7	-42.3	-68.0				
175	13243	13385	13008	-61.4	-48.3	-76.9				
150	14183	14340	13912	-68.6	-56.3	-84.0				
125	15262	15428	15046	-75.1	-64.5	-90.0				
100	16531	16719	16390	-80.0	-67.5	-90.5				
80	17796	18010	17677	-76.4	-60.1	-86.0				
70	18572	18790	18448	-72.3	-55.9	-85.7				
60	19491	19732	19349	-68.0	-49.5	-82.1				
50	20604	20848	20438	-63.3	-45.1	-78.1				
40	21992	22247	21793	-58.3	-38.3	-70.0				
30	23824	24109	23596	-53.3	-35.9	-66.0				
25	24996	25350	24750	-50.4	-30.1	-64.0				
20	26469	26847	26203	-47.5	-33.3	-56.9				
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
568	4830	5290	4410				102	16450	-82.0

NORMALS OF RADIOSONDE DATA

MONTH : DECEMBER TIME : 0530 IST STATION : KOCHI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1011	1012	1009	24.7	29.0	19.0	21.5	029	0.1	0.2
1000	95	111	83	24.5	30.0	20.0	20.6			
950	543	558	529	22.6	30.2	17.0	17.2			
925	780	791	771	21.4	29.2	15.4	15.6			
900	1014	1028	996	19.6	28.4	10.2	14.1			
850	1504	1518	1485	16.7	25.4	8.0	10.7			
800	2019	2036	1999	14.3	22.2	8.0	6.2			
750	2561	2582	2541	12.1	19.2	5.0	2.1			
700	3138	3160	3115	9.4	16.4	3.6	-1.0			
650	3748	3774	3724	6.1	14.2	-0.1	-4.3			
600	4400	4429	4372	2.5	9.8	-4.0	-7.9			
550	5098	5131	5065	-1.5	6.6	-11.0	-11.5			
500	5852	5887	5817	-5.9	4.0	-17.0	-15.8			
450	6668	6706	6627	-10.8	-3.9	-20.0	-21.4			
400	7565	7605	7518	-16.8	-8.5	-30.0	-27.0			
350	8552	8608	8484	-23.9	-14.1	-34.7	-33.3			
300	9663	9731	9579	-32.4	-20.7	-43.7	-40.4			
250	10922	11010	10816	-42.6	-29.7	-55.7				
200	12387	12499	12258	-55.1	-41.0	-67.7				
175	13224	13360	13074	-61.9	-52.0	-74.0				
150	14162	14315	13997	-68.6	-57.0	-80.7				
125	15238	15469	15096	-74.9	-62.0	-89.0				
100	16517	16936	16369	-80.0	-66.0	-92.7				
80	17777	18230	17629	-77.9	-62.5	-90.0				
70	18548	19014	18403	-73.9	-59.7	-87.3				
60	19455	19972	19329	-69.0	-53.9	-83.9				
50	20554	21114	20426	-63.9	-47.9	-76.0				
40	21938	22528	21754	-58.8	-44.1	-74.0				
30	23777	24390	23410	-53.0	-34.9	-70.0				
25	24962	25507	24702	-50.3	-33.9	-64.0				
20	26416	27049	26156	-47.6	-33.1	-57.7				
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
567	4850	5190	4610				098	16620	-82.1

NORMALS OF RADIOSONDE DATA

MONTH : JANUARY TIME : 0530 IST STATION : KOLKATA

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1014	1016	1013	13.8	21.2	8.6	12.2	360	0.5	0.7
1000	124	139	112	14.9	21.2	7.0	11.1	003	2.7	4.3
950	554	568	516	16.3	26.2	9.0	7.0	345	3.1	5.0
925	787	798	776	15.4	23.0	9.2	5.3	329	3.9	5.4
900	1019	1033	1004	13.8	23.8	5.0	3.3	319	4.1	5.7
850	1499	1513	1482	11.4	20.4	4.0	0.2	305	6.3	7.6
800	2004	2020	1983	9.4	19.6	2.0	-3.6	297	8.2	9.4
750	2536	2555	2512	7.4	16.8	-2.1	-6.8	292	10.1	11.2
700	3102	3123	3078	5.0	15.2	-5.0	-9.6	286	12.0	13.0
650	3703	3728	3677	2.0	13.4	-5.7	-12.7	280	14.1	15.1
600	4345	4374	4319	-1.4	9.2	-10.1	-16.2	277	16.4	17.5
550	5035	5072	4995	-5.5	5.2	-15.1	-19.9	274	19.3	20.5
500	5774	5807	5728	-10.1	0.8	-19.9	-23.7	272	22.3	23.6
450	6579	6639	6523	-15.3	-6.3	-25.3	-28.7	270	26.0	27.5
400	7459	7507	7393	-21.2	-8.3	-31.7	-33.8	268	29.8	31.5
350	8434	8505	8360	-27.6	-12.0	-39.0	-39.6	267	33.2	35.0
300	9526	9608	9450	-35.1	-21.7	-47.0	-46.3	264	37.5	39.4
250	10774	10875	10677	-43.9	-33.9	-56.1	-53.9	261	40.4	42.4
200	12239	12375	12120	-54.4	-45.5	-66.5		257	41.0	42.8
175	13082	13225	12954	-60.0	-50.1	-71.9		256	39.2	40.8
150	14030	14180	13887	-65.7	-54.7	-79.0		257	36.3	37.7
125	15122	15324	14968	-71.3	-57.7	-86.0		259	31.2	32.5
100	16424	16627	16258	-75.9	-64.5	-86.1		261	23.9	25.0
80	17711	17904	17533	-76.0	-61.1	-87.3		265	16.9	18.4
70	18485	18667	18292	-73.6	-54.1	-88.1		266	13.4	15.1
60	19395	19572	19196	-69.1	-53.7	-81.9		272	10.1	13.0
50	20497	20680	20271	-64.2	-47.1	-80.0		274	7.8	11.2
40	21881	22051	21627	-59.4	-44.7	-80.0		276	5.6	9.7
30	23703	23954	23379	-55.5	-38.9	-73.3		273	5.0	10.5
25	24860	25185	24535	-53.7	-41.1	-67.0		268	5.0	11.1
20	26309	26691	26018	-51.5	-38.1	-63.7		263	6.3	11.9
15	28189	28521	27839	-49.4	-37.7	-60.9				
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
623	4050	4710	3370				098	16580	-77.6

NORMALS OF RADIOSONDE DATA

MONTH : FEBRUARY TIME : 0530 IST STATION : KOLKATA

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1012	1015	1008	17.1	25.0	8.0	15.2	346	0.3	0.9
1000	107	131	72	17.9	27.0	10.0	14.0	337	1.4	3.8
950	541	569	508	19.0	28.8	10.0	9.1	309	2.2	5.3
925	776	788	761	18.0	27.2	11.6	8.9	299	2.5	5.1
900	1010	1033	971	16.4	25.2	8.0	5.6	293	3.5	5.6
850	1494	1515	1453	13.4	22.0	4.0	2.7	287	5.6	7.0
800	2002	2025	1961	10.3	19.0	2.8	-0.8	286	8.0	9.1
750	2534	2566	2496	7.5	18.2	-0.3	-4.2	287	10.0	11.2
700	3101	3137	3054	4.4	12.2	-3.0	-8.3	284	12.1	13.1
650	3699	3743	3654	1.4	10.2	-6.9	-12.5	280	14.0	15.0
600	4341	4387	4297	-2.0	8.0	-10.1	-16.0	277	16.6	17.6
550	5031	5076	4990	-5.9	5.4	-15.7	-20.5	273	19.3	20.5
500	5768	5817	5726	-10.6	0.8	-19.9	-24.7	271	22.4	23.7
450	6572	6620	6521	-15.7	-5.5	-27.1	-29.5	269	25.8	27.3
400	7452	7498	7387	-21.3	-10.1	-34.3	-34.8	268	29.1	30.9
350	8426	8472	8343	-27.7	-16.7	-38.9	-40.1	267	33.2	35.3
300	9517	9583	9412	-35.0	-23.7	-46.5	-46.5	265	36.9	39.1
250	10766	10843	10627	-43.8	-32.0	-56.5	-54.5	261	39.7	42.1
200	12232	12321	12052	-54.0	-41.5	-67.7		259	39.7	42.0
175	13077	13170	12884	-59.6	-46.3	-75.5		259	37.8	39.8
150	14030	14127	13811	-65.4	-48.9	-82.3		260	33.9	35.8
125	15123	15228	14909	-71.2	-51.7	-85.3		260	29.4	30.8
100	16425	16575	16203	-76.0	-57.7	-87.5		263	23.5	24.7
80	17714	17905	17473	-76.2	-57.5	-86.3		266	17.1	18.4
70	18487	18724	18232	-73.8	-55.9	-85.1		266	13.1	14.9
60	19397	19661	19132	-69.5	-53.7	-83.5		270	10.8	12.9
50	20500	20782	20230	-64.0	-48.1	-78.1		275	7.9	11.3
40	21881	22208	21620	-59.4	-47.0	-75.9		281	5.6	10.1
30	23706	24117	23465	-55.3	-41.3	-75.7		276	4.1	10.0
25	24861	25266	24577	-53.4	-37.1	-73.9		273	3.9	9.2
20	26324	26729	25798	-51.3	-39.7	-67.3		276	6.2	10.4
15										
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FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
632	3940	4430	3420				097	16640	-77.8

NORMALS OF RADIOSONDE DATA

MONTH : MARCH TIME : 0530 IST STATION : KOLKATA

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1009	1010	1005	21.9	30.8	13.4	19.8	202	0.5	1.2
1000	83	95	53	22.3	28.6	13.0	18.9	247	1.3	3.3
950	524	541	495	23.5	32.0	13.2	12.9	260	3.5	6.2
925	761	773	737	22.8	29.8	16.2	11.8	270	3.9	5.9
900	1001	1016	976	21.4	30.0	11.4	8.1	271	4.2	6.2
850	1493	1511	1470	18.0	26.0	9.0	4.4	277	5.2	6.6
800	2009	2029	1988	14.3	22.2	6.0	1.3	281	7.0	8.2
750	2547	2569	2529	10.4	20.0	2.0	-2.3	283	9.5	10.5
700	3120	3145	3104	6.4	19.0	-2.1	-6.0	286	11.4	12.4
650	3721	3749	3697	2.5	12.0	-9.3	-10.3	285	12.8	13.8
600	4366	4395	4342	-1.1	8.8	-12.1	-14.6	283	14.0	14.9
550	5059	5082	5025	-5.1	4.6	-16.1	-19.3	279	15.4	16.4
500	5798	5831	5763	-9.8	-1.3	-21.3	-24.0	275	17.4	18.5
450	6605	6639	6559	-15.1	-5.1	-26.3	-28.8	272	20.1	21.4
400	7484	7526	7432	-21.1	-9.0	-33.5	-33.9	269	22.9	24.7
350	8459	8503	8393	-27.8	-17.1	-41.9	-40.1	268	26.2	28.2
300	9549	9598	9465	-35.2	-24.7	-48.9	-46.8	265	30.1	32.5
250	10797	10857	10685	-43.7	-34.1	-56.3	-54.0	261	33.7	36.2
200	12265	12341	12133	-53.2	-43.5	-65.1		259	35.2	37.2
175	13114	13197	12975	-58.6	-48.3	-72.3		259	33.7	35.6
150	14068	14164	13923	-64.1	-50.0	-79.5		260	30.8	32.3
125	15167	15279	15017	-69.8	-57.9	-83.1		261	26.8	28.2
100	16477	16641	16310	-74.7	-59.1	-86.1		261	20.6	22.0
80	17768	17944	17565	-75.4	-58.1	-85.9		266	13.9	15.7
70	18546	18731	18317	-73.1	-57.1	-83.5		270	11.1	13.2
60	19462	19679	19236	-68.9	-51.3	-79.7		276	7.6	10.8
50	20575	20810	20370	-63.1	-47.7	-77.7		282	4.9	9.4
40	21966	22228	21786	-58.1	-43.3	-72.1		292	3.3	8.4
30	23797	24082	23611	-53.7	-40.1	-72.5		284	3.8	9.8
25	24970	25274	24740	-51.4	-38.9	-71.3		284	4.4	10.1
20	26440	26727	26120	-49.3	-36.1	-70.5		275	7.4	12.2
15	28334	28661	27773	-47.4	-34.3	-69.1				
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FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
614	4180	4610	3760				096	16760	-76.9

NORMALS OF RADIOSONDE DATA

MONTH : APRIL TIME : 0530 IST STATION : KOLKATA

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1005	1008	1003	25.3	30.2	16.2	23.3	180	1.5	2.2
1000	53	77	32	25.4	31.8	16.4	22.8	191	2.2	3.2
950	498	528	452	25.5	34.4	18.0	17.9	222	5.9	7.8
925	745	761	726	25.6	32.6	16.6	15.5	234	6.0	7.4
900	981	1000	959	24.5	36.0	15.4	11.4	247	5.8	7.6
850	1479	1495	1457	21.6	32.0	12.6	6.8	264	5.6	7.0
800	2001	2018	1978	17.7	27.6	10.0	3.3	276	6.0	7.1
750	2544	2567	2524	13.4	22.2	6.0	0.1	282	7.4	8.4
700	3124	3144	3098	8.7	16.8	1.0	-3.3	286	9.4	10.4
650	3729	3754	3701	3.9	13.8	-4.7	-6.9	288	11.2	12.3
600	4378	4401	4350	-0.5	9.2	-8.9	-11.4	288	12.3	13.5
550	5072	5105	5038	-4.5	4.2	-13.9	-17.0	285	12.7	14.0
500	5814	5846	5781	-8.7	-0.1	-18.9	-22.1	280	13.5	14.9
450	6624	6672	6578	-13.9	-4.3	-25.5	-27.0	275	15.2	16.7
400	7507	7553	7449	-19.9	-8.7	-31.5	-32.3	271	17.8	19.6
350	8487	8550	8412	-26.5	-14.5	-40.1	-37.8	268	20.8	22.7
300	9585	9654	9489	-34.0	-22.5	-49.5	-44.7	265	24.1	26.4
250	10839	10924	10721	-42.9	-31.5	-57.1	-53.4	262	27.9	30.3
200	12311	12422	12174	-52.9	-42.1	-68.9		260	29.0	31.4
175	13163	13297	13021	-58.3	-48.1	-68.7		260	27.5	29.5
150	14119	14279	13980	-64.2	-49.5	-74.1		260	24.1	25.7
125	15215	15437	15088	-70.3	-54.5	-82.3		262	20.2	21.7
100	16521	16797	16400	-75.7	-61.1	-86.5		265	13.6	15.7
80	17809	18112	17672	-75.9	-63.3	-88.1		272	7.6	10.9
70	18586	18896	18438	-73.2	-55.5	-84.0		280	4.3	8.7
60	19504	19834	19340	-68.3	-49.7	-81.0		311	2.4	8.0
50	20615	20979	20421	-62.3	-46.1	-78.0		006	1.1	7.0
40	22013	22397	21810	-57.0	-43.1	-70.1		039	0.8	6.6
30	23865	24249	23659	-52.2	-39.3	-63.1		017	1.2	7.1
25	25045	25405	24827	-49.9	-36.3	-60.9		033	1.0	7.3
20	26515	26892	26256	-47.6	-33.9	-58.5		288	0.5	8.1
15	28426	28819	28071	-45.3	-30.1	-54.9		236	1.3	8.5
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FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
603	4330	4800	3900				095	16850	-77.6

NORMALS OF RADIOSONDE DATA

MONTH : MAY TIME : 0530 IST STATION : KOLKATA

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1002	1005	1000	26.7	32.8	20.0	24.9	172	1.6	2.3
1000	27	53	8	26.4	33.0	20.0	24.3	176	1.9	2.7
950	472	498	427	25.9	34.0	12.0	21.1	203	6.3	8.2
925	717	728	701	25.9	31.0	15.8	19.8	213	6.1	8.1
900	957	983	931	24.9	35.0	15.0	15.8	221	6.5	8.5
850	1457	1483	1429	22.6	30.6	13.0	11.2	241	5.1	7.4
800	1982	2006	1955	19.3	28.0	10.2	7.4	271	4.6	7.0
750	2530	2552	2508	15.2	23.4	7.2	3.8	291	5.7	7.6
700	3113	3136	3085	10.8	22.0	3.2	-0.1	300	7.5	9.2
650	3724	3752	3694	6.1	13.6	-4.0	-3.7	301	9.2	10.6
600	4377	4409	4341	1.7	10.4	-6.0	-8.2	299	9.5	11.1
550	5079	5121	5036	-2.2	5.6	-10.7	-13.2	295	8.9	10.6
500	5826	5866	5782	-5.9	1.0	-16.5	-18.1	286	8.3	10.4
450	6648	6711	6590	-10.3	-0.3	-19.9	-22.8	279	8.7	11.1
400	7544	7589	7484	-15.6	-4.1	-24.5	-27.5	270	10.0	12.3
350	8541	8591	8463	-22.0	-9.5	-31.9	-33.1	264	11.4	13.9
300	9659	9730	9565	-29.5	-17.1	-41.3	-40.4	259	12.9	15.3
250	10936	11028	10822	-39.0	-28.5	-50.0	-49.1	253	13.9	16.1
200	12429	12543	12300	-50.5	-40.0	-62.9		248	14.0	16.4
175	13286	13420	13139	-57.0	-46.3	-69.9		245	12.9	15.6
150	14246	14397	14077	-64.0	-51.9	-78.0		244	11.0	14.1
125	15340	15482	15151	-71.2	-59.9	-82.0		244	7.2	11.5
100	16639	16820	16438	-76.8	-63.9	-88.0		219	2.0	9.0
80	17923	18129	17703	-76.5	-62.7	-91.0		091	3.0	7.8
70	18699	18919	18458	-73.1	-58.0	-87.0		081	4.8	7.9
60	19613	19860	19357	-67.9	-53.5	-84.3		078	6.3	8.2
50	20727	20968	20455	-62.0	-45.1	-73.3		083	7.6	8.6
40	22128	22447	21808	-56.4	-41.9	-70.1		083	8.2	9.0
30	23985	24394	23667	-51.3	-32.5	-67.5		085	9.2	10.1
25	25146	25593	24806	-49.1	-30.3	-62.3		091	9.4	10.6
20	26639	27202	26408	-46.7	-26.7	-59.1		095	8.9	10.1
15	28541	28726	28416	-44.8	-23.3	-57.7		098	8.8	10.3
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FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
577	4690	5110	4340				095	16920	-78.7

NORMALS OF RADIOSONDE DATA

MONTH : JUNE TIME : 0530 IST STATION : KOLKATA

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	999	1000	995	27.3	31.4	22.6	25.8	164	1.3	2.0
1000	8	36	0	27.2	31.0	23.0	25.6	170	1.7	2.1
950	439	481	401	25.9	34.2	19.8	22.9	198	5.2	7.8
925	688	717	657	25.5	33.2	21.4	21.7	205	6.1	8.6
900	925	958	886	24.1	33.0	16.2	19.3	215	5.4	8.5
850	1424	1458	1380	21.7	31.8	13.0	15.8	226	4.3	8.0
800	1948	1982	1898	18.8	28.0	10.8	12.5	242	3.3	7.6
750	2500	2535	2448	15.5	23.0	7.0	9.3	265	2.9	7.5
700	3083	3118	3024	11.9	19.0	6.0	5.5	282	3.0	7.8
650	3698	3736	3635	8.2	15.4	1.2	1.5	285	2.9	8.0
600	4357	4395	4293	4.5	11.6	-4.3	-2.4	279	2.4	7.7
550	5066	5108	5007	0.7	8.0	-9.1	-6.1	265	1.8	7.3
500	5823	5866	5754	-3.1	4.6	-11.3	-10.2	224	1.4	6.9
450	6652	6710	6577	-7.5	0.0	-15.0	-15.0	189	1.5	6.8
400	7561	7620	7482	-12.5	-5.7	-21.7	-20.9	164	1.7	6.7
350	8569	8634	8491	-18.8	-10.7	-30.7	-27.9	144	2.1	7.0
300	9703	9773	9617	-26.6	-18.0	-37.9	-35.5	128	3.0	7.4
250	10993	11073	10890	-36.5	-25.1	-47.7	-44.5	113	4.4	8.5
200	12500	12595	12372	-49.0	-40.3	-59.0		100	6.3	10.2
175	13361	13469	13220	-56.4	-46.1	-67.1		093	7.3	11.1
150	14321	14429	14158	-64.3	-52.5	-78.0		085	8.8	12.2
125	15411	15552	15223	-72.4	-60.1	-83.0		082	11.1	13.7
100	16699	16846	16489	-78.3	-66.1	-88.0		081	13.9	15.2
80	17976	18119	17765	-77.0	-64.7	-88.0		082	15.4	16.2
70	18750	18906	18543	-73.1	-58.9	-84.5		080	15.9	16.5
60	19665	19847	19465	-67.8	-52.3	-80.9		083	15.9	16.3
50	20782	20990	20583	-62.0	-46.1	-77.0		086	15.5	15.9
40	22172	22417	21943	-57.0	-43.9	-73.1		085	16.1	16.5
30	24011	24261	23720	-52.2	-41.5	-68.1		087	18.3	18.6
25	25195	25433	24949	-50.0	-40.0	-61.7		089	19.4	19.7
20	26668	26892	26413	-47.6	-36.7	-59.1		090	21.5	21.8
15	28546	29045	28244	-45.7	-31.1	-56.5		092	22.6	23.0
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
603	4330	4800	3900				095	16850	-77.6

NORMALS OF RADIOSONDE DATA

MONTH : JULY TIME : 0530 IST STATION : KOLKATA

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	999	1000	996	26.9	30.0	24.0	25.7	164	1.1	1.9
1000	9	24	0	26.8	29.8	20.0	25.5	177	1.7	2.3
950	439	463	405	25.3	34.0	19.8	23.1	204	4.4	7.2
925	679	694	655	24.8	30.8	20.8	22.1	208	4.4	7.6
900	924	945	907	23.0	30.8	16.0	20.4	217	4.5	7.9
850	1422	1445	1405	20.4	26.0	13.4	17.6	218	4.0	7.5
800	1944	1968	1926	17.6	23.8	12.0	14.7	218	3.3	7.0
750	2494	2515	2472	14.8	20.8	8.0	11.3	217	2.8	6.7
700	3077	3100	3053	11.8	18.8	6.0	7.8	214	2.4	6.5
650	3693	3720	3666	8.6	17.0	2.6	4.0	205	2.2	6.5
600	4354	4382	4320	5.1	15.0	-1.5	0.1	182	2.1	6.3
550	5064	5110	5031	1.4	9.8	-5.9	-3.9	161	2.3	6.3
500	5823	5859	5776	-2.6	5.8	-9.5	-8.4	142	2.9	6.4
450	6654	6704	6604	-7.2	2.8	-14.7	-13.7	127	3.6	6.6
400	7563	7608	7503	-12.4	-3.5	-19.9	-19.7	115	4.8	7.1
350	8572	8623	8511	-18.8	-10.3	-27.9	-26.9	106	6.5	8.2
300	9707	9762	9633	-26.7	-18.1	-36.0	-35.0	098	8.7	9.8
250	10998	11060	10919	-36.8	-26.1	-46.7	-44.2	089	11.8	12.8
200	12502	12580	12400	-49.5	-40.9	-61.9	-54.5	079	15.4	16.4
175	13363	13454	13246	-56.9	-48.1	-70.1		076	17.5	18.6
150	14320	14425	14183	-64.9	-54.9	-77.1		075	20.0	21.2
125	15409	15528	15253	-72.9	-62.9	-84.1		076	22.4	23.6
100	16696	16829	16534	-77.8	-59.1	-86.5		078	24.4	25.3
80	17983	18136	17801	-74.1	-53.5	-86.0		081	23.6	24.1
70	18770	19040	18563	-69.9	-48.0	-82.1		082	22.1	22.5
60	19698	19937	19492	-65.3	-44.0	-80.0		083	21.1	21.4
50	20817	21069	20596	-60.8	-43.3	-71.3		083	21.3	21.6
40	22212	22453	21960	-56.8	-42.9	-68.7		086	22.0	22.3
30	24045	24329	23786	-52.7	-41.0	-67.1		087	24.8	25.2
25	25211	25534	24947	-51.1	-38.9	-66.9		088	25.6	25.9
20	26703	27037	26442	-48.8	-36.3	-66.9		090	27.7	28.0
15	28598	28930	28348	-47.1	-37.1	-66.7		089	31.1	31.5
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FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
532	5330	5730	4920				103	16560	-79.1

NORMALS OF RADIOSONDE DATA

MONTH : AUGUST TIME : 0530 IST STATION : KOLKATA

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1000	1002	998	26.8	30.0	23.0	25.8	143	1.0	1.8
1000	9	23	0	26.7	30.0	23.0	25.5	169	1.4	1.9
950	448	478	425	25.0	32.8	16.8	23.0	176	3.1	6.8
925	696	714	678	24.4	28.2	20.4	21.7	196	3.4	7.1
900	932	955	913	22.6	28.6	14.8	20.1	183	3.1	7.4
850	1429	1453	1409	20.0	25.8	12.0	17.3	178	2.7	7.3
800	1951	1976	1930	17.4	23.2	10.2	14.4	171	2.5	7.1
750	2500	2527	2474	14.6	21.0	7.8	11.1	165	2.4	7.0
700	3082	3110	3056	11.7	18.2	4.0	7.5	159	2.4	6.8
650	3698	3733	3671	8.6	18.0	1.0	3.7	151	2.7	6.8
600	4359	4393	4331	5.1	12.2	-3.1	-0.2	142	3.0	6.8
550	5069	5119	5032	1.4	8.4	-5.0	-4.2	133	3.6	6.8
500	5828	5872	5794	-2.8	4.2	-12.7	-8.8	126	4.1	6.9
450	6659	6727	6618	-7.4	-0.7	-13.5	-14.2	120	4.7	7.0
400	7568	7623	7521	-12.6	-5.0	-20.0	-20.4	112	5.5	7.4
350	8575	8639	8525	-19.0	-10.1	-26.3	-27.6	103	6.7	8.2
300	9708	9781	9640	-27.0	-19.1	-35.1	-35.4	098	8.6	9.7
250	10997	11081	10915	-37.1	-28.9	-46.0	-44.6	090	11.0	12.0
200	12498	12599	12391	-49.9	-37.9	-60.0	-55.6	080	13.9	15.0
175	13356	13474	13232	-57.3	-47.3	-68.1		076	15.6	16.8
150	14311	14439	14167	-65.3	-56.1	-76.5		073	17.5	18.8
125	15398	15552	15236	-73.0	-62.1	-85.1		074	19.6	20.8
100	16687	16892	16490	-77.6	-64.5	-88.1		078	22.0	22.6
80	17972	18168	17745	-73.3	-60.5	-84.3		082	21.3	21.7
70	18762	18948	18513	-69.1	-57.0	-82.1		083	20.3	20.8
60	19696	19903	19433	-64.9	-51.0	-77.0		083	19.4	19.7
50	20821	21044	20541	-61.0	-48.7	-72.0		084	19.8	20.1
40	22226	22539	21931	-57.3	-48.5	-74.1		084	21.7	21.9
30	24063	24442	23769	-53.3	-44.7	-63.1		086	24.5	24.7
25	25232	25590	24917	-51.1	-40.5	-61.7		089	25.5	25.8
20	26726	27150	26460	-48.8	-36.9	-61.1		090	27.6	27.9
15	28598	29028	28040	-47.5	-39.1	-59.9		090	29.5	30.0
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
533	5320	5780	4940				103	16520	-78.9

NORMALS OF RADIOSONDE DATA

MONTH : SEPTEMBER TIME : 0530 IST STATION : KOLKATA

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1004	1006	1003	26.5	29.6	21.4	25.4	142	0.8	1.5
1000	40	54	30	26.3	30.4	18.6	25.2	164	1.1	2.2
950	484	508	447	24.9	31.8	18.8	22.1	187	2.9	6.2
925	725	743	708	24.1	28.2	19.4	20.7	187	2.8	6.6
900	967	984	956	22.4	31.2	16.0	18.9	190	2.8	6.5
850	1464	1483	1452	19.6	28.0	13.8	15.6	185	2.4	6.3
800	1985	2006	1972	16.7	26.0	11.4	12.2	180	2.1	6.1
750	2529	2555	2514	13.8	22.0	7.4	8.7	182	2.1	6.1
700	3112	3136	3093	10.7	19.0	4.0	5.0	186	2.4	6.0
650	3724	3753	3700	7.5	16.0	0.6	0.9	188	2.6	6.0
600	4383	4410	4354	4.0	12.0	-2.9	-3.1	182	2.7	6.1
550	5089	5128	5054	0.2	8.0	-9.1	-7.0	178	2.5	5.9
500	5846	5884	5811	-4.0	3.0	-13.5	-11.5	166	2.3	5.8
450	6671	6714	6627	-8.8	-3.0	-18.5	-16.5	153	2.3	5.7
400	7575	7626	7532	-14.2	-7.5	-24.7	-22.6	142	2.4	5.8
350	8576	8636	8530	-20.6	-13.0	-31.3	-29.6	128	2.8	6.0
300	9700	9767	9646	-28.7	-19.0	-39.7	-37.5	115	3.6	6.8
250	10979	11055	10910	-38.9	-28.0	-49.3	-46.5	101	4.8	8.1
200	12470	12555	12370	-51.5	-40.9	-61.7		090	6.4	10.1
175	13323	13417	13208	-58.8	-48.9	-69.9		085	7.3	11.0
150	14272	14379	14140	-66.6	-55.5	-77.0		080	8.3	11.5
125	15353	15479	15212	-73.9	-63.1	-85.1		082	9.8	12.1
100	16641	16792	16477	-77.9	-67.0	-89.0		086	11.7	12.9
80	17929	18099	17751	-73.2	-56.9	-86.0		081	12.4	13.0
70	18721	18896	18542	-69.1	-55.1	-82.0		081	12.3	12.7
60	19649	19830	19459	-64.8	-50.1	-79.0		084	13.1	13.5
50	20775	20964	20533	-60.8	-45.9	-74.3		084	13.7	14.0
40	22173	22361	21885	-57.0	-43.9	-74.1		086	15.6	15.9
30	24005	24153	23632	-53.1	-40.9	-71.7		089	18.5	18.9
25	25165	25344	24727	-51.7	-39.9	-71.0		089	19.7	20.2
20	26629	26801	26302	-49.7	-35.9	-66.9		093	22.3	22.7
15	28513	28849	28204	-48.0	-38.9	-65.1		095	24.6	25.4
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
547	5130	5630	4780				104	16410	-79.2

NORMALS OF RADIOSONDE DATA

MONTH : OCTOBER TIME : 0530 IST STATION : KOLKATA

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1009	1012	1006	24.5	29.0	19.4	23.2	041	0.2	0.9
1000	80	112	58	24.5	30.0	19.0	22.5	008	0.6	2.6
950	521	562	462	23.8	31.4	17.0	18.4	352	0.7	4.9
925	765	796	752	23.2	30.6	15.0	17.5	357	0.9	4.4
900	1002	1034	982	21.1	28.8	12.2	14.7	350	0.7	4.8
850	1495	1527	1472	18.0	25.2	11.0	10.9	340	0.8	5.1
800	2012	2043	1987	14.9	22.2	5.6	7.0	297	0.7	5.2
750	2554	2585	2528	11.9	19.4	3.0	3.4	251	1.1	5.5
700	3131	3158	3100	9.0	15.0	1.0	0.0	239	2.0	5.7
650	3741	3772	3710	6.0	12.0	-4.5	-3.5	237	2.9	6.0
600	4394	4428	4356	2.6	8.8	-5.0	-6.8	243	3.7	6.6
550	5096	5131	5061	-1.1	7.0	-10.0	-10.5	248	4.5	7.2
500	5847	5890	5806	-5.5	1.4	-15.0	-15.2	251	5.2	7.8
450	6668	6714	6627	-10.4	-3.5	-21.0	-20.2	253	6.0	8.6
400	7565	7616	7515	-16.0	-9.1	-26.0	-26.2	253	7.0	9.5
350	8559	8613	8492	-22.7	-14.1	-34.0	-32.9	252	8.1	10.7
300	9674	9731	9596	-30.7	-22.7	-42.1	-40.5	251	9.1	11.8
250	10943	11013	10845	-40.6	-31.7	-51.9	-49.9	251	10.2	13.3
200	12423	12507	12300	-52.8	-43.5	-66.0		247	10.3	14.0
175	13270	13363	13131	-59.7	-50.1	-73.0		245	9.6	13.8
150	14216	14321	14061	-66.9	-57.9	-78.0		243	8.6	13.1
125	15296	15411	15129	-74.0	-64.1	-84.5		238	6.2	10.8
100	16576	16700	16408	-78.3	-66.5	-90.1		225	2.6	7.9
80	17861	17998	17697	-74.3	-61.0	-88.1		083	1.2	6.2
70	18647	18801	18459	-69.9	-57.0	-83.7		072	2.6	6.0
60	19574	19750	19386	-65.4	-53.9	-77.0		077	4.5	6.5
50	20695	20866	20461	-61.0	-46.3	-74.0		083	5.9	7.4
40	22096	22319	21776	-57.0	-43.7	-67.9		087	7.7	8.5
30	23932	24211	23584	-53.1	-41.0	-64.0		088	9.6	10.3
25	25107	25393	24792	-51.2	-38.9	-61.5		090	10.7	11.5
20	26586	26860	26297	-49.1	-34.5	-60.1		092	11.1	12.0
15	28447	28821	28063	-47.7	-35.1	-58.5		095	12.5	13.7
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
565	4880	5210	4270				104	16380	-79.3

NORMALS OF RADIOSONDE DATA

MONTH : NOVEMBER TIME : 0530 IST STATION : KOLKATA

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1012	1014	1010	19.8	26.2	12.6	18.1	003	0.6	0.7
1000	109	126	94	20.4	28.4	13.8	17.1	006	2.5	3.5
950	547	566	512	21.0	30.0	7.0	12.5	008	3.3	5.0
925	784	798	771	20.3	27.2	15.0	11.1	001	2.9	4.4
900	1020	1036	1004	18.0	27.4	8.0	9.0	359	3.0	4.8
850	1507	1524	1490	14.9	24.8	7.6	5.3	340	2.8	5.1
800	2018	2038	1999	12.4	21.0	3.8	1.3	317	2.8	5.4
750	2556	2579	2532	10.1	17.0	2.8	-2.4	291	3.4	6.0
700	3128	3152	3105	7.7	14.0	0.6	-5.5	275	4.7	7.0
650	3735	3761	3710	4.9	11.4	-5.1	-8.9	271	6.4	8.4
600	4385	4414	4353	1.6	8.2	-6.7	-12.3	270	8.0	9.8
550	5084	5117	5044	-2.4	5.8	-12.0	-16.5	270	9.5	11.2
500	5830	5864	5788	-7.1	0.0	-15.9	-20.8	269	11.4	13.2
450	6644	6690	6597	-12.4	-5.0	-21.1	-25.7	268	13.7	15.5
400	7534	7577	7478	-18.3	-11.1	-26.5	-30.8	267	16.4	18.2
350	8519	8567	8453	-25.0	-17.9	-33.5	-36.8	264	19.6	21.4
300	9622	9689	9544	-32.8	-25.3	-41.7	-44.2	261	22.6	24.4
250	10881	10956	10794	-42.4	-33.3	-51.1	-53.2	258	25.5	27.6
200	12353	12433	12249	-53.9	-43.1	-65.7		253	26.9	29.1
175	13198	13285	13089	-60.3	-48.1	-72.0		253	25.4	27.7
150	14143	14238	14026	-67.0	-55.3	-78.0		255	23.4	25.2
125	15224	15326	15094	-73.1	-61.7	-83.3		259	19.1	20.6
100	16515	16624	16361	-77.3	-67.3	-88.1		264	12.4	14.2
80	17800	17905	17628	-75.7	-63.0	-88.1		270	6.9	9.2
70	18579	18681	18396	-72.3	-58.3	-85.5		279	4.9	7.8
60	19498	19628	19304	-67.1	-51.1	-80.7		289	3.0	6.6
50	20613	20806	20346	-61.7	-45.7	-72.3		290	1.5	6.0
40	22010	22280	21735	-57.2	-45.3	-65.0		301	0.5	5.8
30	23851	24122	23603	-53.0	-40.1	-61.1		100	0.6	6.3
25	25024	25195	24687	-51.0	-36.9	-59.7		108	0.9	6.5
20	26488	26691	26169	-49.2	-35.3	-59.1		109	0.5	7.6
15	28382	28579	28209	-48.0	-37.9	-59.5				
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
580	4660	5060	3940				101	16470	-78.5

NORMALS OF RADIOSONDE DATA

MONTH : DECEMBER TIME : 0530 IST STATION : KOLKATA

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1015	1016	1012	14.7	23.0	9.0	12.7	001	0.5	0.6
1000	129	140	110	16.0	23.0	10.2	11.9	006	3.4	4.3
950	560	576	526	17.4	25.6	7.4	7.7	360	4.0	5.1
925	795	805	784	16.5	21.6	10.2	6.0	354	4.0	4.8
900	1027	1039	1004	14.5	23.8	7.8	4.0	341	4.1	5.3
850	1508	1521	1485	12.2	21.0	5.0	-0.4	321	4.8	6.2
800	2015	2028	1994	10.7	19.8	3.8	-4.4	305	5.5	7.0
750	2550	2564	2532	9.0	18.2	0.0	-6.8	294	7.0	8.5
700	3119	3134	3093	6.8	17.2	-5.0	-9.1	286	8.7	10.1
650	3723	3741	3693	3.9	12.6	-5.7	-12.0	281	10.4	11.7
600	4370	4390	4348	0.3	8.8	-8.5	-15.3	278	12.3	13.6
550	5064	5086	5038	-3.9	4.4	-13.1	-19.1	276	14.4	15.7
500	5807	5832	5777	-8.8	-0.3	-18.5	-23.0	274	17.1	18.4
450	6616	6647	6578	-14.1	-4.0	-24.1	-27.6	272	20.0	21.4
400	7499	7532	7454	-20.2	-11.5	-32.1	-32.6	270	23.3	24.7
350	8477	8517	8420	-27.1	-15.7	-37.3	-38.2	267	26.7	28.2
300	9571	9622	9503	-34.9	-23.3	-45.1	-45.4	265	30.6	32.3
250	10820	10883	10728	-44.0	-33.7	-55.1	-53.3	261	34.4	36.5
200	12283	12363	12156	-54.7	-43.9	-64.5		256	36.4	38.5
175	13125	13216	12980	-60.5	-50.5	-72.3		255	35.4	37.3
150	14073	14172	13911	-66.1	-54.7	-76.7		256	32.4	33.7
125	15164	15278	14982	-71.3	-60.0	-82.1		258	27.9	29.0
100	16467	16580	16261	-75.6	-63.0	-85.3		261	20.7	21.8
80	17754	17875	17524	-75.8	-64.0	-85.9		264	13.7	15.2
70	18531	18679	18301	-73.6	-56.0	-83.9		269	10.9	12.7
60	19443	19667	19191	-69.5	-53.9	-79.3		273	8.2	10.4
50	20543	20909	20269	-64.2	-46.5	-78.7		282	5.4	8.5
40	21923	22329	21633	-59.4	-43.5	-75.5		280	4.1	7.8
30	23753	24186	23439	-55.0	-37.1	-71.1		278	3.7	8.5
25	24910	25350	24585	-53.2	-42.5	-71.1		275	4.4	9.4
20	26365	26875	25886	-51.1	-39.5	-69.7		273	5.1	10.5
15	28220	28551	27771	-49.3	-40.1	-62.5				
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
599	4390	4860	3970				098	16590	-77.3

NORMALS OF RADIOSONDE DATA

MONTH : JANUARY TIME : 0530 IST STATION : LUCKNOW

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1001	1003	999	10.0	17.6	4.0	7.1	311	0.8	1.7
1000	130	147	113	10.0	18.0	4.0	6.8	320	1.2	1.9
950	556	576	510	13.9	24.6	1.0	4.5	320	3.3	5.6
925	775	797	732	13.3	22.4	4.8	3.4	310	3.9	5.8
900	1016	1032	1000	12.2	23.2	2.4	-0.2	304	4.4	6.3
850	1493	1510	1477	10.1	19.4	-0.9	-3.6	297	5.7	7.2
800	1995	2013	1975	7.6	16.2	-4.9	-5.9	292	7.0	8.2
750	2518	2545	2481	4.7	14.4	-8.7	-8.4	288	8.3	9.5
700	3082	3108	3051	1.6	12.8	-10.7	-11.2	285	10.0	11.2
650	3672	3706	3645	-2.0	8.0	-13.7	-14.4	283	12.0	13.2
600	4308	4345	4265	-5.9	5.6	-18.1	-18.3	280	14.7	15.9
550	4987	5027	4935	-10.3	0.8	-22.1	-22.0	279	17.7	19.0
500	5712	5763	5661	-15.1	-2.9	-41.9	-26.6	277	21.3	22.8
450	6500	6556	6451	-20.5	-8.3	-31.9	-31.2	275	25.4	27.1
400	7363	7423	7306	-26.5	-12.9	-39.1	-37.1	274	30.0	31.8
350	8316	8378	8235	-33.0	-17.7	-44.1	-43.0	273	34.9	37.1
300	9387	9487	9278	-39.8	-24.9	-53.0	-47.9	272	40.3	42.8
250	10611	10734	10468	-47.3	-31.0	-60.1		270	44.7	47.7
200	12059	12252	11893	-55.3	-42.3	-67.1		269	46.4	48.9
175	12900	13120	12731	-59.4	-48.1	-71.5		268	45.1	47.5
150	13854	14108	13688	-63.9	-52.7	-74.7		269	41.4	43.6
125	14955	15295	14795	-68.8	-55.3	-82.5		268	36.8	38.5
100	16275	16598	16122	-72.7	-58.3	-87.9		267	30.4	32.1
80	17583	17944	17431	-72.7	-58.5	-89.9		271	22.1	23.7
70	18374	18572	18226	-70.8	-55.9	-84.7		273	17.9	20.6
60	19291	19520	19153	-67.7	-50.9	-80.0		277	14.3	17.2
50	20403	20651	20212	-64.3	-45.1	-77.1		276	13.2	16.9
40	21777	22053	21579	-60.6	-41.3	-75.1		283	12.9	16.1
30	23592	23980	23374	-56.5	-42.5	-74.3		279	12.5	17.9
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
679	3330	3860	2830	214	11670	-60.4	098	16470	-75.0

NORMALS OF RADIOSONDE DATA

MONTH : FEBRUARY TIME : 0530 IST STATION : LUCKNOW

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	999	1001	994	12.4	20.0	5.0	8.6	320	1.2	2.0
1000	108	132	59	11.9	19.0	6.0	7.7	319	1.5	2.3
950	540	564	491	16.2	28.0	6.6	5.4	318	3.7	6.3
925	762	791	735	15.9	25.0	9.0	5.2	313	3.3	5.8
900	1004	1025	965	14.3	25.0	3.8	1.3	303	5.0	7.1
850	1484	1510	1444	11.6	23.4	-0.3	-1.9	295	6.5	8.2
800	1988	2021	1947	8.7	20.4	-6.0	-4.5	291	8.0	9.5
750	2513	2556	2479	5.4	17.4	-7.1	-7.3	287	9.4	10.9
700	3078	3122	3037	2.0	14.8	-10.0	-10.5	285	10.9	12.4
650	3667	3725	3621	-1.7	13.8	-16.0	-13.6	282	12.8	14.3
600	4304	4370	4258	-5.8	11.0	-19.0	-17.7	280	14.9	16.4
550	4985	5061	4940	-10.3	5.8	-22.0	-21.6	278	17.6	19.2
500	5709	5806	5646	-15.1	-1.3	-26.0	-26.2	276	20.9	22.5
450	6498	6608	6422	-20.5	-7.3	-32.1	-31.0	275	24.4	26.3
400	7360	7489	7274	-26.5	-12.7	-39.0	-36.6	275	28.3	30.5
350	8312	8462	8215	-32.9	-18.7	-47.0	-42.8	274	32.5	35.2
300	9383	9565	9266	-39.6	-23.7	-56.0	-48.3	273	37.9	40.8
250	10611	10814	10467	-46.9	-32.3	-64.0		272	42.2	45.2
200	12066	12313	11879	-54.3	-39.9	-73.1		270	43.6	46.4
175	12912	13183	12707	-58.6	-44.7	-74.1		270	42.2	44.7
150	13869	14187	13632	-63.4	-49.1	-77.1		270	39.0	41.2
125	14971	15345	14714	-68.5	-54.3	-81.7		269	34.6	36.6
100	16290	16719	15999	-72.8	-58.3	-84.5		270	28.0	29.5
80	17599	18087	17285	-73.0	-55.1	-86.3		270	21.5	23.1
70	18387	18911	18043	-71.5	-52.3	-85.3		272	17.8	19.7
60	19302	19802	18938	-68.3	-49.1	-81.7		274	14.9	17.5
50	20405	20975	20072	-64.5	-50.7	-80.9		276	13.1	16.0
40	21801	22431	21393	-60.5	-47.1	-77.3		279	9.5	13.7
30	23615	24551	23194	-56.8	-45.7	-76.9		277	6.6	15.4
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
673	3400	4360	2760	233	11210	-57.3	097	16520	-74.8

NORMALS OF RADIOSONDE DATA

MONTH : MARCH TIME : 0530 IST STATION : LUCKNOW

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	995	998	992	17.0	28.0	9.0	11.1	312	1.2	2.1
1000	83	102	58							
950	519	548	466	21.6	32.0	9.0	7.1	320	4.7	7.2
925	748	772	712	21.3	31.6	14.2	6.3	312	5.9	7.5
900	992	1006	972	19.5	30.8	6.8	3.0	306	6.2	8.3
850	1480	1498	1464	16.5	27.4	3.2	0.3	299	7.9	9.6
800	1992	2015	1973	12.9	23.8	-0.5	-2.4	294	9.4	10.7
750	2522	2552	2491	9.1	18.6	-3.9	-4.7	289	10.5	11.7
700	3097	3128	3064	5.0	14.8	-8.1	-7.7	287	11.6	12.9
650	3690	3730	3638	0.9	11.2	-12.7	-11.2	285	12.7	14.0
600	4336	4374	4286	-3.4	8.0	-16.1	-15.3	282	14.3	15.7
550	5022	5073	4974	-8.0	2.2	-20.0	-19.6	280	15.9	17.2
500	5752	5803	5692	-13.1	-2.3	-23.5	-24.5	278	17.8	19.3
450	6549	6629	6492	-18.7	-6.7	-29.3	-29.8	277	20.1	21.8
400	7415	7484	7343	-24.9	-12.7	-38.1	-35.6	276	23.0	24.9
350	8374	8465	8296	-31.7	-17.1	-43.9	-42.0	275	26.5	28.9
300	9447	9550	9344	-39.0	-25.3	-52.0	-49.3	274	30.4	33.2
250	10677	10803	10535	-46.6	-30.7	-63.1		273	34.3	37.5
200	12132	12267	11942	-53.8	-41.0	-70.7		271	36.9	39.7
175	12980	13131	12776	-57.7	-45.7	-70.7		270	36.4	39.0
150	13944	14097	13727	-62.2	-50.0	-76.1		270	33.7	36.0
125	15051	15203	14830	-67.4	-52.5	-81.9		268	29.5	31.6
100	16381	16527	16178	-71.7	-57.3	-88.0		270	24.0	25.9
80	17695	17880	17431	-72.5	-57.5	-90.0		271	17.7	19.8
70	18487	18683	18221	-70.9	-56.9	-83.5		273	13.4	16.4
60	19419	19626	19117	-67.5	-54.9	-78.5		277	11.1	14.5
50	20530	20764	20181	-63.7	-50.5	-77.3		278	8.7	12.5
40	21915	22181	21552	-59.4	-48.0	-70.9		282	7.4	11.4
30	23749	24033	23398	-54.9	-43.1	-68.1				
25	24900	25215	24525	-53.1	-38.5	-65.7				
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
640	3830	4440	3300	233	11180	-55.1	096	16710	-73.9

NORMALS OF RADIOSONDE DATA

MONTH : APRIL TIME : 0530 IST STATION : LUCKNOW

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	991	994	989	22.5	32.0	12.0	12.5	326	0.7	2.0
1000	45	69	22							
950	490	513	464	27.0	38.8	16.0	9.3	319	3.2	7.2
925	728	748	687	26.6	38.2	16.4	7.8	310	3.5	6.6
900	970	994	953	24.9	37.8	10.8	5.9	308	5.0	7.7
850	1467	1489	1446	21.4	32.8	10.2	3.2	301	7.1	8.8
800	1988	2007	1964	17.4	29.4	5.0	0.4	297	8.9	10.2
750	2524	2554	2486	13.0	26.0	1.8	-2.4	292	10.5	11.7
700	3108	3128	3082	8.4	21.0	-2.7	-5.6	290	11.8	13.0
650	3707	3743	3666	3.7	14.4	-6.7	-8.9	288	12.6	14.0
600	4359	4395	4324	-1.0	9.8	-11.7	-13.2	287	13.1	14.5
550	5050	5093	5011	-5.7	4.6	-16.7	-17.9	285	13.5	15.0
500	5787	5844	5746	-10.8	3.8	-21.1	-23.4	282	14.6	16.1
450	6589	6658	6546	-16.5	-5.9	-27.0	-28.6	280	15.9	17.5
400	7464	7545	7412	-22.9	-11.5	-33.5	-34.0	278	17.7	19.5
350	8431	8528	8373	-29.9	-15.7	-42.0	-40.3	277	20.5	22.7
300	9513	9633	9441	-37.4	-24.3	-50.0	-47.4	275	23.4	26.0
250	10750	10914	10654	-45.3	-32.1	-59.5		273	27.7	30.8
200	12213	12421	12074	-52.9	-40.9	-70.0		271	30.0	33.1
175	13068	13299	12911	-56.9	-42.7	-72.0		271	29.1	31.8
150	14034	14274	13827	-61.5	-50.1	-75.7		269	27.0	29.4
125	15150	15391	14902	-66.5	-51.1	-79.7		270	23.5	25.8
100	16486	16718	16186	-71.6	-55.3	-86.0		269	18.6	21.0
80	17796	18055	17480	-72.5	-56.5	-85.7		274	12.3	15.1
70	18593	18869	18288	-70.7	-55.1	-83.5		279	9.7	12.8
60	19514	19822	19235	-67.0	-53.0	-77.7		286	7.0	10.6
50	20637	20973	20310	-62.4	-47.7	-73.7		290	5.0	9.9
40	22040	22383	21723	-57.1	-39.7	-70.0		304	3.0	9.3
30	23889	24241	23501	-52.3	-39.9	-69.0		292	3.7	8.7
25	25078	25444	24636	-49.8	-38.1	-67.0				
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
611	4210	4890	3870				094	16900	-74.0

NORMALS OF RADIOSONDE DATA

MONTH : MAY TIME : 0530 IST STATION : LUCKNOW

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	988	991	985	26.4	34.0	17.0	16.8	062	0.6	2.3
1000	15	47	1							
950	460	497	417	28.8	37.2	17.2	14.5	051	0.4	7.1
925	697	710	658	29.1	39.4	21.0	13.6	309	0.8	6.6
900	944	972	924	27.1	37.6	13.0	11.1	295	2.3	7.3
850	1446	1469	1426	23.9	34.0	8.0	7.8	299	4.7	7.5
800	1972	1993	1953	20.1	30.8	7.8	4.8	300	7.2	8.9
750	2513	2550	2478	15.6	25.2	4.6	1.8	300	9.1	10.5
700	3103	3135	3080	10.9	20.2	1.8	-1.7	299	10.7	12.0
650	3705	3755	3665	5.9	17.8	-3.0	-5.6	297	11.6	12.8
600	4364	4408	4328	1.1	10.2	-8.1	-10.1	296	11.8	13.1
550	5063	5108	5011	-3.4	6.2	-12.9	-15.5	296	11.5	13.1
500	5805	5861	5755	-8.0	2.2	-19.0	-20.7	291	11.7	13.3
450	6620	6690	6567	-13.0	-2.1	-23.9	-25.9	287	12.3	14.0
400	7506	7574	7437	-18.8	-7.3	-30.3	-31.4	282	13.5	15.5
350	8491	8562	8426	-25.3	-12.5	-38.7	-37.7	278	15.5	17.7
300	9593	9674	9505	-32.6	-18.7	-47.9	-44.4	274	18.0	20.3
250	10855	10952	10754	-41.1	-27.5	-55.9	-52.0	269	20.3	22.7
200	12340	12470	12229	-51.0	-38.1	-66.5		266	21.6	24.0
175	13198	13360	13076	-56.5	-43.1	-71.9		264	20.6	22.8
150	14165	14349	14022	-62.5	-49.7	-76.5		262	18.5	20.9
125	15272	15516	15096	-68.8	-53.7	-83.0		261	14.7	17.2
100	16589	16877	16376	-74.3	-57.9	-86.9		263	9.4	12.7
80	17884	18211	17643	-74.2	-55.7	-90.5		266	2.5	9.4
70	18681	19021	18431	-71.2	-51.7	-87.9		032	0.6	8.5
60	19602	19964	19334	-66.4	-48.3	-81.0		073	3.2	8.4
50	20722	21125	20459	-60.9	-40.3	-77.0		086	3.8	7.9
40	22138	22543	21874	-55.6	-36.3	-72.9		085	4.6	7.8
30	24013	24429	23652	-50.6	-32.9	-68.1		084	4.7	8.0
25	25208	25657	24775	-47.9	-30.5	-65.1		084	4.7	7.4
20	26699	27359	26363	-45.0	-28.5	-60.9				
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
586	4550	5050	4130				097	16870	-76.4

NORMALS OF RADIOSONDE DATA

MONTH : JUNE TIME : 0530 IST STATION : LUCKNOW

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	984	986	982	28.2	36.0	21.0	22.0	085	0.9	2.1
1000	20	37	0							
950	431	450	400	28.9	41.0	20.8	20.4	116	1.5	6.8
925	674	690	656	29.0	37.6	20.8	20.8	125	1.2	6.5
900	914	938	890	27.1	40.4	18.0	17.4	232	0.7	7.1
850	1416	1442	1388	24.0	35.6	12.0	14.4	290	2.2	7.3
800	1943	1971	1911	20.5	30.4	11.8	11.6	302	3.7	7.7
750	2492	2518	2458	16.6	28.6	6.4	8.4	308	4.8	8.5
700	3079	3106	3041	12.5	22.8	4.2	4.4	311	5.6	8.9
650	3691	3726	3659	8.3	19.0	-1.0	0.2	311	5.7	8.9
600	4352	4394	4309	4.2	15.0	-5.3	-4.3	308	5.3	8.6
550	5064	5121	5017	0.2	9.6	-9.1	-8.4	300	4.6	8.1
500	5813	5874	5766	-3.7	6.4	-13.5	-13.2	288	4.1	7.9
450	6646	6729	6601	-8.0	2.0	-19.7	-18.0	281	4.2	8.4
400	7547	7622	7496	-13.0	-1.9	-26.7	-23.8	272	4.5	9.0
350	8554	8640	8493	-19.2	-6.1	-33.9	-30.4	267	5.4	9.7
300	9685	9786	9603	-26.9	-14.1	-40.0	-37.7	265	5.9	10.5
250	10976	11107	10872	-36.6	-24.5	-50.0	-46.2	258	6.1	10.7
200	12483	12641	12352	-48.4	-37.7	-63.0		255	5.4	10.6
175	13351	13564	13195	-55.3	-41.5	-72.0		253	4.8	10.7
150	14316	14539	14140	-62.7	-49.5	-80.0		257	3.3	10.4
125	15417	15614	15192	-70.4	-56.7	-85.1		260	0.5	9.7
100	16720	16963	16457	-76.3	-57.5	-91.0		074	3.3	9.8
80	18009	18250	17714	-75.1	-54.1	-91.0		080	8.1	10.5
70	18803	19115	18492	-71.4	-48.9	-86.1		084	9.6	11.2
60	19713	20056	19403	-66.2	-44.3	-83.1		088	11.2	12.2
50	20830	21225	20509	-60.7	-42.9	-78.0		088	11.6	12.6
40	22243	22695	21891	-55.4	-40.3	-70.9		089	12.8	13.6
30	24103	24632	23744	-50.6	-40.5	-63.7		090	15.6	16.3
25	25290	25893	24920	-48.4	-34.5	-59.9		091	16.2	16.7
20	26810	27310	26311	-45.7	-35.3	-56.5				
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
546	5130	5820	4610				097	16960	-78.2

NORMALS OF RADIOSONDE DATA

MONTH : JULY TIME : 0530 IST STATION : LUCKNOW

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	984	985	982	27.5	35.0	20.0	24.5	104	0.7	2.0
1000	21	40	7							
950	427	456	397	26.6	36.8	18.6	23.3	140	1.4	6.6
925	664	683	649	26.6	39.4	21.0	22.0	135	1.9	7.2
900	907	927	887	24.4	35.2	16.8	20.7	157	1.1	7.5
850	1406	1430	1383	21.6	31.0	10.8	18.1	153	0.4	7.6
800	1930	1956	1905	18.6	28.0	11.2	15.1	068	0.3	7.6
750	2481	2509	2443	15.5	26.0	7.4	12.0	028	0.6	7.4
700	3062	3093	3033	12.2	21.4	5.0	8.3	044	0.8	7.2
650	3680	3713	3639	9.0	19.2	1.0	3.9	069	0.8	6.7
600	4339	4381	4300	5.6	15.0	-2.1	-0.3	089	0.9	6.3
550	5060	5127	5012	1.9	12.8	-5.1	-4.5	104	1.4	6.1
500	5810	5870	5758	-2.1	9.0	-11.5	-9.1	108	2.1	6.2
450	6649	6722	6593	-6.7	4.0	-14.5	-14.1	110	2.6	6.3
400	7553	7635	7482	-12.0	-1.9	-19.9	-20.0	109	3.1	6.5
350	8563	8673	8499	-18.3	-8.1	-28.1	-27.0	106	3.9	7.0
300	9700	9819	9617	-26.3	-16.1	-37.1	-34.9	102	4.7	7.6
250	10993	11130	10896	-36.2	-25.3	-47.9	-44.2	097	5.5	8.2
200	12503	12667	12388	-48.8	-38.9	-62.9		092	7.1	10.1
175	13366	13546	13241	-56.2	-43.9	-71.3		089	8.2	11.0
150	14328	14528	14180	-64.2	-47.3	-77.3		084	9.0	12.0
125	15422	15641	15267	-72.1	-51.1	-86.1		081	11.2	13.7
100	16716	16954	16534	-77.4	-61.3	-89.3		079	13.9	15.5
80	18002	18265	17796	-74.7	-51.0	-90.3		082	16.2	17.1
70	18795	19082	18563	-70.8	-46.0	-84.1		084	16.7	17.6
60	19709	20035	19454	-65.8	-46.0	-80.7		087	17.1	17.7
50	20835	21143	20560	-60.8	-45.9	-76.7		091	17.3	17.9
40	22239	22636	21930	-56.9	-42.9	-74.0		090	19.0	19.7
30	24085	24513	23744	-52.1	-36.5	-69.0		091	20.6	21.3
25	25262	25702	24885	-50.0	-37.5	-66.0		093	21.7	22.3
20	26760	27157	26370	-47.4	-34.5	-58.3				
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
527	5400	5970	4940				102	16730	-79.1

NORMALS OF RADIOSONDE DATA

MONTH : AUGUST TIME : 0530 IST STATION : LUCKNOW

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	986	988	984	27.1	32.0	22.0	24.7	089	0.8	2.1
1000	8	21	1							
950	439	463	401	26.1	35.0	19.4	23.3	106	2.1	6.7
925	680	694	660	25.9	31.4	19.8	22.3	106	1.4	6.5
900	922	945	904	23.8	32.2	15.8	20.5	105	2.4	7.5
850	1419	1446	1400	21.0	29.2	12.4	17.6	096	2.7	7.5
800	1942	1973	1921	18.1	27.6	8.8	14.6	092	2.8	7.4
750	2489	2519	2461	15.1	25.4	7.4	11.3	091	2.9	7.3
700	3073	3109	3046	12.1	21.8	4.6	7.4	095	2.7	6.9
650	3691	3733	3659	8.9	17.8	1.4	3.2	099	2.7	6.6
600	4349	4394	4313	5.5	13.4	-2.0	-0.8	103	2.6	6.1
550	5069	5134	5026	1.7	9.6	-5.1	-4.8	104	2.9	6.1
500	5819	5875	5771	-2.4	5.4	-9.9	-9.2	105	3.3	6.1
450	6657	6741	6610	-7.1	3.2	-15.5	-14.6	106	3.5	6.3
400	7559	7624	7498	-12.4	-4.0	-21.9	-20.7	105	4.0	6.4
350	8567	8644	8494	-18.9	-10.9	-29.1	-27.3	106	4.4	6.6
300	9701	9787	9616	-26.9	-16.5	-36.1	-35.2	102	5.0	7.2
250	10992	11093	10889	-37.0	-25.5	-48.0	-44.4	100	5.8	8.2
200	12496	12636	12373	-49.7	-37.7	-63.7		093	6.6	9.5
175	13355	13526	13215	-57.2	-43.1	-71.5		089	7.0	10.0
150	14314	14498	14136	-65.1	-49.7	-78.5		085	8.1	10.8
125	15408	15664	15208	-72.7	-56.0	-85.5		082	10.1	12.2
100	16694	16969	16440	-77.1	-57.3	-89.1		081	13.2	14.6
80	17985	18287	17712	-73.8	-54.1	-87.1		082	15.5	16.4
70	18790	19168	18496	-69.8	-49.3	-83.0		087	15.8	16.5
60	19709	20116	19395	-65.5	-44.1	-80.0		088	15.6	16.2
50	20828	21265	20508	-61.1	-39.5	-76.0		089	15.9	16.6
40	22228	22721	21897	-57.0	-44.1	-71.0		089	18.2	18.8
30	24069	24622	23614	-52.5	-41.1	-63.0		092	20.1	20.9
25	25245	25785	24667	-50.0	-38.1	-60.3		094	20.9	21.6
20	26763	27308	26384	-47.8	-37.5	-59.1				
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
529	5380	5850	5010				103	16550	-78.9

NORMALS OF RADIOSONDE DATA

MONTH : SEPTEMBER TIME : 0530 IST STATION : LUCKNOW

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	990	992	989	25.8	35.4	20.0	23.1	075	0.4	1.8
1000	32	52	22							
950	471	501	417	25.4	32.8	17.8	20.9	076	1.1	6.0
925	699	733	657	24.9	31.0	16.8	19.5	077	1.7	5.9
900	956	976	940	23.0	30.6	15.8	18.0	061	1.1	6.7
850	1452	1472	1433	20.0	27.8	14.0	14.6	033	1.3	7.1
800	1972	1998	1949	16.9	24.8	10.6	11.2	022	1.7	7.3
750	2512	2550	2488	13.6	21.8	7.2	7.1	017	1.6	6.9
700	3093	3137	2991	10.3	19.2	2.6	3.2	018	1.2	6.6
650	3707	3757	3674	6.9	16.0	-2.1	-0.7	044	0.5	6.2
600	4363	4418	4325	3.5	11.4	-7.1	-4.9	175	0.5	6.1
550	5075	5126	5025	-0.1	10.8	-9.7	-8.6	204	0.9	6.2
500	5823	5891	5774	-4.3	7.2	-15.3	-13.3	232	1.7	6.4
450	6653	6722	6593	-9.1	-0.1	-17.0	-18.5	236	2.1	6.6
400	7552	7638	7480	-14.8	-4.1	-26.0	-24.4	245	2.8	6.8
350	8548	8640	8469	-21.5	-9.1	-30.9	-31.2	247	3.5	7.3
300	9668	9771	9575	-29.6	-15.5	-38.3	-39.0	249	4.5	8.1
250	10944	11074	10837	-39.6	-24.3	-49.7	-47.8	246	5.2	9.3
200	12430	12606	12301	-51.8	-35.1	-63.0		245	5.6	10.2
175	13282	13491	13136	-58.9	-40.5	-70.0		246	5.1	10.1
150	14235	14483	14064	-66.5	-45.1	-77.5		245	3.8	9.7
125	15318	15594	15120	-73.6	-52.3	-83.7		245	1.4	8.8
100	16605	16940	16367	-77.8	-62.5	-88.9		075	2.1	7.6
80	17893	18260	17630	-74.0	-58.0	-86.1		080	5.5	7.9
70	18692	19066	18405	-69.6	-51.5	-82.3		084	7.0	8.5
60	19614	20009	19324	-64.9	-43.1	-80.9		088	8.6	9.6
50	20737	21161	20427	-60.7	-50.3	-76.9		089	10.0	10.8
40	22136	22594	21761	-56.7	-45.1	-67.7		089	12.1	12.8
30	23979	24470	23488	-52.3	-39.1	-63.5		093	14.0	14.6
25	25158	25683	24686	-50.5	-37.9	-61.1		094	14.8	15.4
20	26643	27178	26325	-48.1	-35.3	-60.3		096	16.2	16.9
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
553	5030	5610	4370				103	16470	-79.1

NORMALS OF RADIOSONDE DATA

MONTH : OCTOBER TIME : 0530 IST STATION : LUCKNOW

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	995	999	992	21.4	29.0	12.0	18.0	294	0.1	1.0
1000	80	110	56							
950	518	553	449	23.7	31.0	12.8	13.8	319	0.8	4.4
925	749	788	691	22.7	30.8	14.8	11.8	322	1.0	4.0
900	997	1024	975	21.1	29.6	11.4	9.8	321	2.1	4.7
850	1488	1514	1466	17.8	30.4	7.2	5.8	317	3.4	5.7
800	2003	2026	1981	14.3	27.8	2.2	1.9	315	4.3	6.7
750	2536	2563	2491	10.8	22.6	2.0	-2.0	315	4.7	7.2
700	3115	3137	3082	7.2	19.0	-2.1	-5.8	310	4.6	7.1
650	3717	3746	3676	3.8	15.2	-7.5	-9.4	300	4.7	7.2
600	4367	4394	4325	0.4	11.8	-10.1	-12.4	287	5.2	7.7
550	5065	5100	5019	-3.5	6.6	-16.0	-15.9	281	6.5	8.9
500	5807	5844	5753	-8.0	2.8	-20.9	-20.3	276	8.6	10.6
450	6620	6665	6564	-13.1	-4.0	-26.9	-25.1	273	11.0	13.0
400	7507	7560	7439	-18.9	-8.5	-32.7	-30.2	270	13.7	15.8
350	8490	8556	8405	-25.5	-12.3	-40.3	-36.3	268	16.8	18.8
300	9592	9673	9483	-33.2	-20.9	-45.9	-43.6	265	20.3	22.0
250	10849	10953	10719	-42.5	-27.3	-55.3	-51.2	263	22.9	24.7
200	12321	12457	12165	-53.6	-36.7	-65.9		261	24.0	25.8
175	13168	13318	12996	-59.9	-42.3	-73.5		260	23.4	25.1
150	14119	14299	13920	-66.3	-48.1	-82.0		260	21.1	22.7
125	15204	15415	14983	-72.5	-56.9	-85.7		261	17.7	19.3
100	16498	16725	16252	-76.5	-63.3	-90.5		262	12.2	14.3
80	17789	18068	17515	-73.3	-54.9	-89.7		271	5.9	9.6
70	18583	18873	18290	-69.6	-47.9	-84.5		277	3.1	7.6
60	19505	19818	19208	-65.1	-50.1	-78.1		310	1.3	7.1
50	20631	20968	20323	-60.9	-43.7	-72.5		070	1.4	7.0
40	22047	22419	21723	-56.8	-37.3	-68.0		084	3.2	8.2
30	23891	24331	23523	-52.9	-30.9	-64.0		080	4.2	8.0
25	25076	25482	24605	-51.0	-37.3	-62.3		086	3.1	8.4
20	26593	27044	25979	-48.5	-35.3	-59.1				
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
595	4450	4910	3730				104	16350	-77.6

NORMALS OF RADIOSONDE DATA

MONTH : NOVEMBER TIME : 0530 IST STATION : LUCKNOW

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	999	1001	997	15.3	24.0	7.0	11.7	313	0.5	0.9
1000	116	149	98	15.0	22.6	8.0	10.9	330	0.6	1.3
950	551	574	506	19.9	29.6	10.0	7.6	325	2.1	4.3
925	769	797	707	18.8	25.4	11.0	5.4	326	2.1	3.8
900	1019	1040	1003	17.1	27.0	6.8	3.8	316	2.9	4.6
850	1504	1526	1487	14.1	24.6	4.2	-0.1	310	3.8	5.6
800	2012	2037	1992	11.2	21.4	1.8	-3.8	311	4.9	6.6
750	2543	2567	2509	8.3	19.8	-4.9	-7.2	306	5.6	7.3
700	3114	3142	3083	5.4	17.2	-3.7	-10.3	301	6.4	8.0
650	3713	3742	3669	2.2	14.0	-6.7	-13.9	296	7.5	9.1
600	4357	4391	4311	-1.5	9.2	-11.3	-17.0	290	9.3	10.8
550	5050	5098	4993	-5.9	4.2	-17.0	-20.7	285	11.3	12.9
500	5784	5826	5726	-10.9	-0.3	-26.9	-25.2	281	13.8	15.4
450	6587	6639	6513	-16.4	-5.1	-29.5	-29.7	279	17.1	18.8
400	7462	7516	7380	-22.7	-12.1	-34.3	-34.9	278	21.1	22.9
350	8429	8501	8337	-29.4	-17.7	-41.7	-40.5	275	25.0	27.2
300	9514	9595	9389	-36.9	-23.1	-50.5	-47.1	272	29.0	31.3
250	10755	10846	10619	-45.3	-29.5	-58.3		269	32.9	35.3
200	12211	12327	12044	-55.0	-41.1	-66.7		267	35.4	37.7
175	13056	13193	12860	-60.3	-44.1	-74.9		266	34.8	36.9
150	14006	14181	13779	-65.5	-48.3	-79.5		266	32.4	34.2
125	15093	15300	14854	-70.6	-56.0	-84.0		266	28.3	30.1
100	16407	16643	16136	-74.5	-58.1	-88.1		269	21.7	23.3
80	17708	17982	17428	-73.5	-58.1	-85.9		273	14.7	17.0
70	18498	18780	18258	-71.0	-55.1	-82.0		275	11.6	14.2
60	19420	19694	19152	-67.3	-52.0	-80.0		278	8.6	12.2
50	20524	20796	20263	-63.2	-48.0	-78.3		282	6.4	10.9
40	21913	22185	21662	-59.1	-45.3	-70.9		283	5.3	10.5
30	23728	24081	23446	-55.7	-44.1	-68.7		285	8.2	12.0
25	24889	25282	24537	-54.0	-42.9	-67.1				
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
622	4080	4530	3520				102	16360	-75.9

NORMALS OF RADIOSONDE DATA

MONTH : DECEMBER TIME : 0530 IST STATION : LUCKNOW

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1002	1003	999	10.9	19.0	4.0	8.1	309	0.8	1.3
1000	135	146	111	11.3	19.8	4.0	7.8	318	1.3	1.9
950	562	580	528	15.5	27.4	4.0	4.6	320	3.1	5.0
925	783	803	749	14.8	23.0	7.6	2.6	315	3.3	4.4
900	1025	1036	1003	13.4	27.8	5.0	0.2	309	4.0	5.6
850	1504	1517	1484	11.4	26.0	2.0	-3.5	304	5.0	6.5
800	2008	2027	1989	9.3	21.0	-1.0	-6.1	301	6.2	7.6
750	2535	2553	2504	6.7	18.4	-5.1	-8.7	298	7.3	8.6
700	3103	3125	3077	3.8	15.0	-8.5	-11.3	294	8.4	9.7
650	3698	3727	3662	0.4	11.0	-12.1	-14.5	289	10.1	11.4
600	4339	4372	4303	-3.5	6.8	-15.1	-17.3	285	12.2	13.5
550	5023	5068	4973	-8.0	2.2	-19.7	-21.2	282	15.1	16.5
500	5755	5807	5706	-13.0	-2.5	-24.1	-25.5	279	18.1	19.5
450	6550	6614	6484	-18.7	-8.1	-29.1	-29.9	277	21.7	23.1
400	7417	7488	7346	-25.0	-14.7	-36.1	-35.2	276	25.9	27.3
350	8374	8457	8279	-31.8	-18.0	-44.9	-40.9	275	30.3	31.9
300	9449	9542	9349	-39.3	-23.0	-51.9	-47.0	273	35.0	36.9
250	10675	10783	10556	-47.7	-33.0	-61.3		270	39.4	41.6
200	12117	12236	11977	-56.7	-45.7	-70.0		268	42.0	44.2
175	12958	13105	12795	-61.1	-48.0	-72.0		267	40.6	42.5
150	13904	14099	13718	-65.3	-53.9	-78.1		268	38.0	39.5
125	15000	15139	14795	-69.6	-57.0	-80.1		268	34.5	35.7
100	16315	16491	16089	-73.5	-56.9	-87.9		269	28.4	29.7
80	17614	17836	17374	-73.5	-56.7	-86.0		273	19.5	21.5
70	18402	18623	18177	-71.6	-55.1	-86.0		274	16.2	18.3
60	19317	19581	19086	-68.4	-46.0	-83.9		276	13.1	16.0
50	20426	20803	20180	-64.7	-49.3	-80.1		278	11.7	14.6
40	21796	22247	21525	-61.2	-44.1	-80.3		279	11.2	14.3
30	23594	24022	23296	-57.4	-44.7	-68.5		287	10.7	15.3
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
648	3740	4320	3150				098	16500	-75.4

NORMALS OF RADIOSONDE DATA

MONTH : JANUARY TIME : 0530 IST STATION : MACHILIPATNAM

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1013	1015	1011	20.7	26.8	16.2	19.4	075	1.5	2.3
1000	119	137	102	21.0	29.6	17.2	19.0	077	2.7	3.9
950	558	579	521	19.9	27.4	10.0	15.7	089	3.6	4.7
925	796	809	783	18.5	25.8	11.8	12.9	088	3.6	4.7
900	1029	1041	1013	17.3	25.2	5.8	10.4	085	3.6	5.1
850	1515	1528	1499	14.9	24.8	5.8	4.5	071	3.2	5.1
800	2027	2040	2008	12.7	21.6	3.2	0.2	054	2.5	5.3
750	2565	2582	2544	10.6	18.2	2.4	-4.4	025	1.7	5.5
700	3138	3157	3114	8.4	15.0	-0.3	-8.5	336	1.6	5.7
650	3745	3767	3718	5.5	11.8	-3.3	-11.3	305	2.3	6.4
600	4396	4419	4368	2.2	9.4	-6.7	-12.9	293	3.6	7.4
550	5094	5120	5063	-1.8	4.6	-10.1		286	4.7	8.1
500	5844	5874	5816	-6.4	4.6	-16.1		281	6.1	9.1
450	6660	6693	6623	-11.5	0.4	-23.1		276	8.1	11.2
400	7553	7589	7503	-17.3	-3.7	-27.7		275	10.0	12.7
350	8540	8584	8476	-24.1	-11.5	-35.1		273	12.3	14.8
300	9648	9712	9567	-32.0	-19.9	-42.1		267	13.9	16.1
250	10910	10995	10811	-42.0	-27.9	-53.7		261	15.3	17.5
200	12381	12495	12263	-53.8	-42.3	-73.1		256	15.7	18.8
175	13224	13361	13090	-60.4	-48.9	-80.7		253	15.3	18.1
150	14166	14330	14030	-66.8	-53.3	-82.9		252	13.9	17.1
125	15240	15507	15106	-73.0	-60.5	-84.1		257	10.8	14.0
100	16532	16778	16357	-77.4	-65.1	-87.5		262	6.4	9.9
80	17816	18061	17662	-75.9	-63.9	-86.7		280	3.3	7.3
70	18598	18876	18427	-72.7	-59.5	-83.7		281	2.1	6.8
60	19513	19780	19318	-68.2	-55.5	-77.7		251	1.2	6.5
50	20625	20900	20395	-63.1	-48.7	-75.9		092	0.8	7.0
40	22013	22304	21644	-58.4	-43.1	-71.7				
30										
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
573	4770	5120	4390				100	16540	-79.1

NORMALS OF RADIOSONDE DATA

MONTH : FEBRUARY TIME : 0530 IST STATION : MACHILIPATNAM

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1011	1014	1008	22.1	27.0	17.6	20.4	126	1.1	2.0
1000	105	125	75	22.3	26.8	12.0	20.4	135	1.9	3.5
950	547	568	517	21.4	27.2	13.0	16.2	140	2.9	4.5
925	785	799	771	20.5	26.6	12.8	14.1	145	3.0	5.0
900	1020	1035	989	19.5	26.2	12.2	10.5	134	2.6	4.7
850	1510	1525	1478	17.0	24.8	10.2	6.1	100	1.6	4.8
800	2025	2039	1993	13.8	24.6	2.0	2.1	032	1.3	5.2
750	2565	2579	2533	10.7	21.4	3.0	-1.8	336	1.9	5.7
700	3137	3151	3110	7.9	17.8	-2.3	-6.5	310	2.8	6.1
650	3745	3760	3723	5.2	13.8	-4.9	-10.2	299	3.7	6.8
600	4395	4411	4377	1.9	11.6	-6.3	-13.3	288	4.7	7.8
550	5094	5122	5072	-2.0	6.0	-9.5		284	6.4	9.3
500	5842	5865	5815	-6.5	2.0	-15.9		281	7.7	10.5
450	6658	6693	6620	-11.6	-2.5	-22.7		280	9.2	12.0
400	7552	7600	7503	-17.4	-7.7	-28.5		279	11.5	14.0
350	8539	8606	8469	-24.0	-13.9	-36.5		276	13.5	16.0
300	9647	9718	9554	-31.9	-20.7	-43.9		269	15.7	18.1
250	10909	11024	10795	-41.5	-28.5	-52.1		261	16.7	18.8
200	12383	12494	12253	-53.0	-39.9	-62.1		257	16.6	19.0
175	13229	13352	13098	-59.6	-47.3	-71.1		256	16.5	19.0
150	14171	14338	14046	-66.4	-54.1	-77.3		256	15.0	18.0
125	15249	15425	15105	-73.0	-61.9	-82.9		259	11.7	15.1
100	16533	16750	16454	-77.7	-67.3	-91.5		268	7.3	11.2
80	17813	18060	17710	-76.4	-57.9	-87.5		280	4.3	8.7
70	18591	18873	18473	-73.2	-60.3	-85.9		276	3.4	7.4
60	19501	19746	19368	-68.6	-54.3	-82.3		275	3.5	7.0
50	20598	20874	20467	-63.7	-48.9	-79.7		308	2.2	7.0
40	21979	22285	21838	-59.2	-41.1	-74.5				
30										
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
575	4740	5090	4330				102	16470	-79.2

NORMALS OF RADIOSONDE DATA

MONTH : MARCH TIME : 0530 IST STATION : MACHILIPATNAM

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1009	1010	1006	23.9	29.0	18.8	22.4	179	1.7	2.2
1000	89	99	65	24.0	29.2	18.0	22.1	182	2.8	3.5
950	533	551	495	23.8	32.0	14.6	16.8	183	4.0	4.9
925	774	784	751	23.7	31.8	15.6	12.8	181	3.6	4.8
900	1011	1024	986	22.9	32.0	9.2	8.8	170	3.2	4.6
850	1508	1521	1483	20.5	29.0	10.0	5.2	134	1.9	4.3
800	2028	2043	2003	16.9	24.8	6.8	3.2	066	1.8	4.7
750	2571	2591	2544	12.8	21.0	3.2	0.6	022	2.9	5.5
700	3149	3172	3121	8.6	19.0	0.0	-3.3	358	3.2	6.0
650	3755	3782	3724	5.1	17.6	-4.7	-8.4	341	3.2	6.2
600	4407	4435	4374	1.6	11.6	-6.1	-13.1	320	3.3	6.4
550	5105	5132	5076	-2.2	7.2	-13.3	-17.7	305	4.0	7.2
500	5854	5885	5816	-6.6	3.0	-16.3	-21.4	292	4.9	8.4
450	6669	6701	6638	-11.7	-3.1	-19.7	-25.4	285	6.4	9.8
400	7562	7603	7523	-17.5	-8.9	-27.5		278	8.8	11.9
350	8549	8606	8500	-24.2	-13.9	-34.7		275	11.4	14.2
300	9657	9740	9596	-32.1	-22.7	-44.3		269	13.9	16.3
250	10918	11035	10840	-41.6	-29.5	-53.5		261	16.4	18.9
200	12392	12555	12283	-52.8	-41.1	-66.1		256	16.7	19.4
175	13241	13418	13137	-59.0	-49.1	-71.7		256	16.1	19.0
150	14187	14375	14076	-65.5	-56.7	-76.5		259	14.4	17.4
125	15266	15510	15133	-71.8	-61.7	-84.5		261	11.8	15.0
100	16559	16803	16429	-76.6	-65.9	-85.9		266	7.4	11.3
80	17838	18081	17665	-75.6	-63.9	-88.9		269	3.8	8.0
70	18619	18885	18481	-72.6	-57.3	-85.7		270	3.4	7.2
60	19537	19790	19383	-68.2	-51.1	-81.1		266	3.1	7.5
50	20649	20899	20326	-63.0	-53.5	-74.5		281	1.5	7.2
40	22044	22353	21711	-57.9	-44.9	-66.7		058	1.4	6.8
30	23893	24168	23547	-52.8	-39.1	-65.9				
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
578	4700	5140	4330				99	16630	-78.4

NORMALS OF RADIOSONDE DATA

MONTH : APRIL TIME : 0530 IST STATION : MACHILIPATNAM

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1007	1009	1005	26.4	30.6	21.6	24.5	185	2.6	3.2
1000	69	89	49	26.4	33.0	21.8	24.4	187	3.6	4.2
950	516	543	476	25.5	35.0	15.6	20.3	191	5.6	6.3
925	762	777	738	25.0	34.6	14.8	17.0	189	4.8	5.7
900	998	1017	979	25.0	37.0	13.8	12.1	185	4.3	5.4
850	1498	1515	1479	22.9	32.2	9.8	7.0	161	2.2	4.2
800	2024	2041	2005	19.5	27.2	10.4	4.3	089	1.4	4.2
750	2573	2594	2556	15.2	23.2	6.0	1.7	043	2.6	5.1
700	3154	3175	3136	10.5	18.8	1.8	-1.2	025	3.6	6.0
650	3764	3789	3747	5.8	13.6	-2.3	-5.1	010	3.9	6.3
600	4415	4440	4396	1.5	9.8	-6.9	-9.6	356	3.4	6.2
550	5113	5138	5090	-2.3	6.2	-10.9	-15.0	340	2.7	6.0
500	5862	5891	5832	-6.4	1.4	-17.3	-19.9	308	2.8	6.8
450	6679	6713	6641	-11.0	-3.1	-23.1	-23.5	285	4.0	8.2
400	7575	7611	7530	-16.6	-8.1	-30.3	-28.8	276	5.9	10.0
350	8565	8603	8511	-23.2	-14.1	-33.9	-34.5	270	8.4	12.1
300	9677	9726	9610	-31.0	-20.9	-43.7		262	11.1	14.3
250	10944	11021	10864	-40.6	-30.3	-52.9		253	13.7	16.8
200	12424	12538	12332	-51.9	-38.1	-64.9		247	14.5	17.5
175	13275	13411	13173	-58.3	-44.1	-71.7		247	13.6	16.8
150	14226	14391	14125	-64.9	-52.1	-76.1		249	11.8	15.0
125	15314	15545	15206	-71.4	-59.1	-80.3		252	7.8	12.1
100	16614	16875	16409	-76.6	-62.1	-84.5		253	2.8	9.6
80	17895	18162	17738	-75.1	-60.1	-84.7		063	0.6	7.1
70	18683	18971	18544	-71.4	-56.1	-86.3		101	0.6	6.1
60	19604	19901	19458	-66.4	-50.9	-79.5		082	0.0	5.9
50	20727	21049	20553	-60.9	-44.5	-72.1		017	0.1	6.0
40	22120	22454	21929	-56.2	-42.9	-66.5		076	2.5	7.4
30	23967	24330	23737	-51.4	-40.1	-66.3				
25	25144	25518	24777	-49.0	-38.3	-64.9				
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
578	4710	5310	4140				100	16630	-78.0

NORMALS OF RADIOSONDE DATA

MONTH : MAY TIME : 0530 IST STATION : MACHILIPATNAM

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1004	1007	1002	28.5	33.6	23.4	25.5	204	2.8	3.9
1000	41	70	24	28.3	32.2	23.8	25.3	200	3.3	4.4
950	493	519	451	27.4	36.4	18.2	21.8	216	5.8	8.0
925	738	748	728	27.1	36.0	18.0	18.3	226	5.1	7.5
900	976	996	954	26.3	35.2	16.4	16.1	226	4.9	8.0
850	1479	1496	1456	24.0	31.6	14.4	11.8	249	2.6	6.2
800	2007	2025	1983	20.8	30.8	12.0	8.4	321	1.6	5.2
750	2560	2580	2537	16.8	24.8	9.2	4.7	003	2.8	5.5
700	3144	3166	3123	12.3	20.4	4.4	1.5	012	4.2	6.4
650	3758	3787	3737	7.4	18.0	-1.9	-1.6	014	5.1	7.2
600	4414	4446	4387	2.7	11.2	-4.5	-5.7	016	5.4	7.6
550	5115	5148	5083	-1.4	8.0	-8.5	-10.5	018	4.6	7.3
500	5868	5905	5834	-5.1	4.4	-15.3	-15.4	019	3.4	7.0
450	6691	6729	6651	-9.3	3.6	-17.5	-20.6	004	2.5	7.2
400	7592	7649	7547	-14.5	-5.5	-26.1	-25.0	341	2.1	7.6
350	8591	8661	8538	-20.8	-10.1	-29.9	-30.8	293	1.9	7.7
300	9714	9817	9650	-28.7	-18.1	-39.5	-37.6	264	2.7	7.6
250	10993	11127	10916	-38.4	-27.5	-48.9		234	3.1	8.1
200	12488	12670	12396	-50.2	-40.1	-62.1		203	3.7	9.3
175	13346	13549	13242	-57.0	-47.1	-73.9		177	3.9	10.2
150	14302	14534	14185	-64.2	-54.1	-75.9		149	5.1	10.7
125	15394	15653	15263	-71.2	-60.1	-83.3		122	7.0	11.7
100	16693	17000	16537	-76.5	-66.1	-87.5		104	9.5	12.0
80	17974	18334	17809	-74.5	-57.3	-84.7		095	9.2	10.4
70	18761	19178	18589	-70.6	-53.9	-81.3		094	7.9	9.0
60	19679	20092	19507	-65.4	-49.9	-77.5		093	6.5	7.7
50	20804	21278	20583	-60.2	-49.1	-75.1		083	7.2	8.2
40	22212	22697	21973	-55.9	-43.3	-68.1		086	8.8	9.6
30	24074	24586	23811	-51.2	-39.1	-61.9				
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
565	4890	5760	4660				99	16760	-78.1

NORMALS OF RADIOSONDE DATA

MONTH : JUNE TIME : 0530 IST STATION : MACHILIPATNAM

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1001	1003	1000	28.4	35.0	24.0	24.3	251	4.2	5.3
1000	22	40	8	28.4	32.2	24.0	24.1	249	4.7	5.7
950	474	498	454	27.1	37.0	20.2	21.3	260	8.9	10.5
925	716	736	708	26.0	34.8	19.4	19.0	263	9.0	10.7
900	955	978	942	24.7	35.8	18.0	18.2	273	10.4	12.1
850	1455	1479	1441	21.8	32.6	15.4	15.6	281	9.6	11.3
800	1979	2004	1964	18.6	30.2	11.8	12.7	284	7.7	9.7
750	2530	2554	2512	15.2	27.0	8.4	9.7	287	6.0	8.6
700	3113	3135	3096	11.7	22.6	5.0	6.1	291	4.6	7.9
650	3728	3750	3709	8.0	18.4	0.8	2.2	294	4.0	7.9
600	4386	4409	4364	4.1	11.4	-3.9	-1.6	295	3.5	7.9
550	5091	5117	5062	0.2	8.0	-8.3	-5.6	292	3.0	7.6
500	5848	5882	5816	-3.8	4.6	-13.7	-10.5	291	2.1	6.8
450	6674	6721	6631	-8.3	0.8	-17.7	-15.4	300	1.0	6.4
400	7581	7641	7531	-13.5	-5.1	-22.3	-20.9	043	0.8	5.9
350	8584	8657	8527	-19.8	-10.9	-29.5	-26.9	079	2.8	6.1
300	9713	9814	9644	-27.6	-17.7	-39.9	-34.8	085	5.5	7.6
250	10999	11124	10916	-37.4	-27.1	-48.9	-44.4	086	8.9	10.5
200	12500	12669	12400	-49.6	-37.9	-60.7	-55.9	085	13.6	15.0
175	13356	13559	13250	-56.8	-43.9	-70.3		085	16.5	17.9
150	14313	14528	14199	-64.3	-52.1	-75.5		085	20.0	21.4
125	15398	15636	15282	-71.9	-58.3	-80.9		088	23.3	24.5
100	16691	16968	16557	-77.5	-63.5	-88.7		091	24.2	25.0
80	17982	18290	17795	-74.0	-55.7	-88.5		092	19.4	20.0
70	18772	19131	18585	-69.6	-53.3	-86.7		090	16.9	17.6
60	19702	20023	19473	-64.2	-49.1	-77.9		088	14.7	15.4
50	20833	21174	20564	-60.0	-45.3	-71.5		087	15.1	16.1
40	22260	22633	21934	-55.7	-38.5	-68.1		089	16.4	17.4
30	24104	24545	23735	-51.4	-37.7	-62.1				
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
547	5140	5890	4760				100	16710	-78.8

NORMALS OF RADIOSONDE DATA

MONTH : JULY TIME : 0530 IST STATION : MACHILIPATNAM

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1002	1004	1001	26.8	30.0	23.0	22.5	254	4.5	5.2
1000	29	42	20	26.8	30.2	23.4	24.0	252	4.7	5.5
950	477	491	436	25.4	34.2	17.6	20.8	263	9.7	10.6
925	715	723	708	24.0	32.6	16.6	18.4	269	11.0	11.8
900	957	967	948	22.9	31.0	15.4	18.2	275	11.6	12.6
850	1453	1465	1444	20.0	31.0	12.8	15.7	282	11.8	12.7
800	1975	1992	1963	17.1	25.4	10.6	13.3	285	10.8	11.7
750	2522	2537	2508	13.9	23.0	7.2	10.3	285	9.8	10.8
700	3103	3125	3086	10.7	20.0	2.6	6.9	283	8.6	9.9
650	3717	3742	3699	7.5	16.2	0.4	3.0	281	7.7	9.4
600	4375	4410	4352	4.1	12.6	-2.9	-0.9	279	6.5	8.7
550	5080	5123	5053	0.5	9.6	-6.9	-5.0	278	4.7	7.7
500	5839	5891	5809	-3.4	5.8	-11.7	-9.4	280	3.2	7.0
450	6666	6727	6632	-7.9	3.2	-16.5	-14.5	283	1.2	6.3
400	7575	7647	7535	-13.2	-4.9	-21.3	-20.4	078	1.8	6.6
350	8576	8660	8534	-19.6	-9.5	-27.9	-26.8	083	5.2	7.8
300	9708	9814	9653	-27.5	-17.3	-35.7	-35.0	085	8.8	10.4
250	10993	11128	10917	-37.3	-24.7	-48.3	-44.6	086	13.4	14.7
200	12494	12665	12389	-49.6	-36.5	-62.5	-56.3	084	19.9	20.8
175	13352	13565	13231	-56.6	-43.1	-68.1		082	24.1	24.9
150	14309	14563	14171	-64.2	-49.5	-78.3		081	27.8	28.7
125	15401	15712	15246	-71.8	-55.1	-83.1		083	32.2	32.9
100	16695	17086	16541	-76.2	-57.9	-87.5		087	32.8	33.3
80	17993	18416	17860	-70.3	-57.7	-82.1		089	25.7	26.0
70	18796	19227	18671	-66.2	-54.7	-78.1		088	22.1	22.5
60	19739	20167	19610	-62.8	-49.7	-75.5		087	20.3	20.7
50	20866	21317	20715	-59.4	-42.7	-72.1		087	21.0	21.4
40	22293	22819	22085	-55.7	-40.5	-66.7				
30										
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
544	5180	5950	4840				105	16400	-77.7

NORMALS OF RADIOSONDE DATA

MONTH : AUGUST TIME : 0530 IST STATION : MACHILIPATNAM

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1003	1004	1002	26.8	30.0	23.2	24.0	256	4.3	5.0
1000	35	45	21	26.8	30.0	23.0	23.9	253	4.8	5.7
950	481	499	433	25.2	33.2	17.2	20.6	265	9.1	10.2
925	724	734	713	23.8	29.6	16.0	18.5	271	9.6	10.7
900	963	973	950	22.6	31.2	15.2	18.0	277	10.6	11.6
850	1459	1469	1446	19.8	28.0	12.8	15.6	287	10.6	11.4
800	1980	1991	1965	16.7	28.8	10.2	13.1	290	9.9	10.7
750	2527	2542	2510	13.6	24.2	5.4	10.1	289	8.9	9.9
700	3107	3130	3090	10.5	19.4	3.4	6.5	287	8.0	9.0
650	3720	3751	3699	7.4	16.4	0.4	2.5	285	7.2	8.5
600	4377	4407	4359	4.1	11.6	-3.3	-1.5	285	6.1	7.9
550	5082	5119	5059	0.6	7.4	-6.3	-5.4	285	4.8	7.3
500	5841	5888	5814	-3.3	5.8	-10.5	-10.1	286	3.0	6.6
450	6668	6723	6636	-7.9	1.8	-17.5	-15.1	309	0.7	6.1
400	7576	7642	7535	-13.3	-4.3	-24.1	-20.8	079	1.6	6.3
350	8578	8655	8532	-19.7	-7.9	-32.9	-27.4	089	4.9	7.3
300	9707	9806	9652	-27.6	-14.3	-38.7	-35.6	089	8.6	9.9
250	10991	11110	10922	-37.7	-24.9	-49.1	-45.3	088	13.2	14.1
200	12490	12643	12403	-49.8	-40.3	-61.5	-56.8	085	19.2	19.8
175	13344	13541	13252	-57.1	-44.9	-69.9		083	23.3	23.9
150	14296	14516	14198	-64.6	-53.5	-76.9		082	26.7	27.4
125	15379	15653	15274	-72.4	-60.1	-83.3		083	30.0	30.6
100	16669	16978	16571	-76.6	-65.1	-86.9		088	29.1	29.5
80	17964	18342	17879	-70.5	-57.7	-84.5		089	23.0	23.3
70	18763	19185	18675	-66.5	-51.3	-79.9		088	20.3	20.7
60	19698	20142	19618	-63.1	-51.9	-75.1		087	19.4	19.7
50	20829	21312	20738	-60.1	-47.9	-75.1		085	19.3	19.7
40	22241	22779	22144	-56.7	-37.1	-67.5		088	21.2	21.6
30	24078	24674	23913	-53.5	-44.5	-63.9				
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
542	5220	5850	4790				105	16440	-78.0

NORMALS OF RADIOSONDE DATA

MONTH : SEPTEMBER TIME : 0530 IST STATION : MACHILIPATNAM

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1005	1008	1000	26.6	32.2	23.0	24.7	245	2.6	3.7
1000	52	71	41	26.5	32.0	22.8	24.4	244	3.2	4.5
950	498	518	461	25.2	31.0	17.8	20.7	254	5.0	7.2
925	735	753	703	23.8	29.2	16.8	17.8	264	5.5	7.9
900	979	995	969	22.7	31.2	15.2	17.6	271	5.1	7.6
850	1475	1489	1465	19.8	27.0	13.0	14.9	287	4.8	7.4
800	1996	2010	1983	16.6	25.0	10.0	12.1	296	4.7	7.4
750	2541	2556	2513	13.4	23.2	4.4	8.6	301	4.4	7.2
700	3121	3138	3104	10.3	19.4	3.4	4.7	303	3.7	6.7
650	3734	3750	3700	7.0	14.2	0.0	0.8	305	2.7	6.3
600	4390	4411	4367	3.7	11.0	-4.3	-2.9	307	1.8	5.9
550	5094	5122	5067	0.2	8.0	-8.1	-7.3	319	0.9	5.8
500	5852	5880	5823	-3.8	4.0	-11.9	-12.1	031	0.6	5.7
450	6677	6711	6630	-8.4	-1.5	-16.5	-17.1	081	1.6	5.9
400	7582	7628	7533	-13.9	-6.9	-22.3	-22.9	090	3.0	6.0
350	8581	8634	8533	-20.4	-11.9	-28.5	-29.5	096	4.7	6.9
300	9710	9789	9641	-28.3	-19.5	-37.5	-36.8	096	6.7	7.9
250	10990	11093	10907	-38.3	-28.9	-48.1	-46.1	095	10.0	10.8
200	12483	12623	12383	-50.6	-39.3	-61.9		091	14.5	15.4
175	13339	13497	13192	-57.6	-45.9	-66.1		090	17.2	18.1
150	14294	14500	14132	-65.0	-50.9	-74.3		089	19.9	20.8
125	15381	15619	15267	-72.3	-61.1	-80.3		091	22.5	23.3
100	16673	16941	16544	-76.4	-63.5	-87.1		092	21.5	22.0
80	17973	18278	17847	-70.4	-57.7	-87.7		090	16.4	16.9
70	18779	19113	18619	-66.2	-54.3	-87.1		087	15.3	15.7
60	19711	20055	19591	-62.6	-47.9	-72.3		088	14.9	15.4
50	20838	21203	20706	-59.3	-46.1	-68.7		087	16.3	16.6
40	22241	22718	22090	-56.2	-40.3	-66.5				
30										
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
548	5130	5620	4900				110	16370	-77.9

NORMALS OF RADIOSONDE DATA

MONTH : OCTOBER TIME : 0530 IST STATION : MACHILIPATNAM

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1008	1012	1006	25.2	28.2	19.4	23.6	022	0.8	2.8
1000	76	114	62	25.2	28.2	20.4	23.2	031	1.0	3.7
950	522	566	490	24.2	31.2	18.2	19.2	054	1.5	5.7
925	763	799	746	22.9	29.0	16.6	16.6	057	2.4	6.1
900	1000	1037	985	21.5	28.6	14.8	14.9	056	2.3	6.2
850	1494	1531	1477	18.6	26.0	10.6	11.3	051	2.7	6.4
800	2012	2048	1993	15.4	22.8	8.8	8.3	045	2.7	6.3
750	2556	2592	2535	12.3	20.0	3.2	4.6	040	2.5	6.3
700	3133	3167	3110	9.5	16.4	1.8	1.1	039	2.2	6.1
650	3744	3777	3721	6.4	13.8	-1.3	-2.5	046	1.9	6.0
600	4398	4426	4373	3.1	11.2	-5.3	-5.8	068	1.6	5.7
550	5100	5133	5073	-0.6	8.2	-9.9	-9.7	087	1.6	5.5
500	5854	5880	5828	-4.7	3.2	-14.1	-14.2	096	1.8	5.7
450	6677	6724	6644	-9.4	-1.3	-19.9	-19.1	098	1.9	5.8
400	7579	7621	7547	-14.9	-7.5	-23.3	-24.4	113	1.9	6.0
350	8576	8619	8537	-21.6	-11.9	-29.7	-31.1	125	2.2	6.3
300	9697	9765	9653	-29.6	-19.3	-38.7	-37.8	125	2.6	6.8
250	10971	11060	10917	-39.7	-27.5	-49.7		131	3.7	8.1
200	12452	12583	12377	-52.1	-40.1	-62.1		130	5.6	10.4
175	13299	13457	13198	-59.1	-47.9	-69.7		128	6.3	11.2
150	14250	14439	14129	-66.4	-54.9	-78.3		119	7.6	12.0
125	15321	15541	15172	-73.5	-60.5	-86.9		116	9.3	12.9
100	16604	16865	16449	-77.6	-67.3	-86.7		101	9.4	11.6
80	17890	18181	17739	-72.5	-59.7	-84.3		095	8.1	9.4
70	18690	19023	18510	-68.3	-56.1	-82.9		093	7.8	9.0
60	19628	19954	19449	-64.2	-53.9	-76.1		084	8.8	9.6
50	20765	21096	20575	-60.2	-47.5	-71.3		083	10.7	11.4
40	22169	22556	21854	-56.7	-42.1	-68.7				
30										
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
557	4990	5370	4640				106	16270	-78.7

NORMALS OF RADIOSONDE DATA

MONTH : NOVEMBER TIME : 0530 IST STATION : MACHILIPATNAM

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1011	1012	1008	22.9	28.2	16.6	20.6	047	3.1	3.9
1000	102	116	82	23.1	30.0	16.8	20.4	051	4.3	5.3
950	545	564	518	22.2	29.8	14.2	16.9	065	5.8	7.0
925	783	796	765	20.8	26.4	14.8	14.4	069	5.8	6.8
900	1019	1034	995	19.5	28.2	12.0	12.5	067	5.8	7.1
850	1509	1527	1487	16.6	26.0	9.0	8.8	066	5.1	6.7
800	2023	2044	2004	14.0	23.0	5.8	5.3	065	4.2	6.1
750	2565	2591	2545	11.6	20.4	2.6	2.2	067	3.3	5.7
700	3140	3166	3120	9.0	18.0	-0.9	-0.4	071	2.5	5.4
650	3751	3780	3730	6.2	16.8	-4.3	-4.8	074	2.0	5.6
600	4403	4430	4381	2.9	12.0	-7.7	-7.5	067	1.7	5.6
550	5104	5143	5078	-0.8	8.2	-12.3	-11.6	060	1.3	5.9
500	5858	5890	5828	-5.1	5.2	-19.1	-16.0	036	1.0	6.2
450	6678	6726	6643	-10.0	1.0	-16.3	-20.3	344	0.9	6.5
400	7578	7618	7533	-15.7	-4.1	-24.5	-26.0	292	1.7	7.0
350	8571	8621	8519	-22.4	-11.9	-33.3	-31.9	268	3.5	7.7
300	9688	9758	9627	-30.4	-20.3	-42.3		251	5.8	9.1
250	10959	11048	10892	-40.4	-28.7	-51.9		234	8.0	11.2
200	12441	12554	12369	-52.6	-40.7	-63.1		220	9.4	12.9
175	13289	13428	13211	-59.4	-48.1	-74.9		218	9.3	13.1
150	14241	14429	14143	-66.1	-55.3	-75.1		221	7.7	12.0
125	15312	15554	15191	-73.0	-62.5	-83.9		220	5.1	9.6
100	16598	16846	16463	-77.4	-66.1	-88.3		181	1.4	7.8
80	17883	18161	17743	-74.2	-60.3	-84.1		097	3.0	7.3
70	18674	18968	18512	-70.5	-57.7	-82.5		099	2.6	6.4
60	19602	20032	19417	-65.9	-53.1	-76.7		094	3.0	6.1
50	20716	21174	20470	-61.5	-48.9	-75.3		090	4.8	7.3
40	22112	22621	21770	-57.4	-42.7	-74.3		086	7.8	9.6
30	23972	24513	23669	-53.3	-38.5	-68.9				
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
557	4990	5370	4640				106	16270	-78.7

NORMALS OF RADIOSONDE DATA

MONTH : DECEMBER TIME : 0530 IST STATION : MACHILIPATNAM

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1013	1015	1011	20.9	25.6	16.8	19.2	060	3.0	3.5
1000	123	137	104	21.3	26.2	17.4	18.7	063	4.5	5.2
950	563	582	531	20.4	28.6	13.4	15.5	075	5.6	6.2
925	798	812	789	18.6	24.2	12.2	12.4	073	5.1	5.8
900	1034	1047	1020	17.5	26.8	10.4	11.1	075	5.3	6.1
850	1521	1533	1509	15.0	26.2	6.2	6.1	072	4.7	6.0
800	2033	2049	2020	13.2	23.0	4.6	1.1	076	3.6	5.5
750	2574	2595	2555	11.4	21.4	2.8	-1.9	071	2.5	5.3
700	3148	3169	3129	9.1	20.0	1.2	-4.4	054	2.0	5.5
650	3757	3785	3736	6.1	15.8	-0.3	-7.7	034	1.4	5.7
600	4408	4440	4382	2.6	11.6	-5.5	-11.0	004	1.1	6.1
550	5109	5151	5069	-1.5	9.8	-10.1	-13.6	322	1.6	6.5
500	5859	5905	5816	-6.2	6.6	-16.3	-17.3	289	2.4	7.3
450	6676	6736	6621	-11.3	-0.3	-18.9	-22.1	279	4.0	8.4
400	7570	7643	7514	-17.2	-6.5	-25.1		275	6.0	9.8
350	8556	8637	8482	-24.1	-10.3	-32.1		274	8.6	11.8
300	9663	9746	9592	-32.2	-19.1	-41.7		266	11.4	14.1
250	10923	11019	10834	-42.0	-26.7	-51.5		256	13.5	16.6
200	12393	12516	12276	-53.8	-41.5	-65.1		246	15.4	18.3
175	13238	13403	13083	-60.1	-45.9	-72.9		246	15.0	18.0
150	14181	14377	14012	-66.7	-50.1	-76.5		246	13.8	16.9
125	15263	15517	14980	-72.7	-52.1	-84.1		250	10.5	13.5
100	16554	16848	16399	-77.3	-53.5	-91.5		250	5.2	9.9
80	17830	18168	17649	-76.0	-60.9	-90.7		229	0.7	7.6
70	18615	18994	18408	-72.6	-58.9	-88.7		126	0.3	6.5
60	19527	19893	19299	-68.1	-55.5	-79.9		071	1.2	5.8
50	20639	21022	20404	-62.8	-51.9	-72.1		083	2.3	6.2
40	22043	22456	21771	-57.8	-48.1	-68.9				
30	23903	24321	23563	-53.0	-42.3	-63.3				
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
568	4850	5210	4230				100	16590	-78.8

NORMALS OF RADIOSONDE DATA

MONTH : JANUARY TIME : 0530 IST STATION : MANGALORE

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1008	1010	1006	22.2	26.2	18.0	19.9	064	1.4	2.1
1000	102	121	81	22.5	26.0	18.4	19.6	062	2.4	3.8
950	545	562	513	22.3	31.2	15.4	15.8	065	2.5	4.7
925	785	792	776	21.3	26.0	15.0	13.7	085	2.7	4.7
900	1018	1032	999	19.8	28.6	13.6	11.0	089	2.5	4.8
850	1509	1520	1491	16.7	24.4	8.4	7.6	105	3.0	4.6
800	2023	2037	2006	13.6	24.0	6.2	3.0	109	3.1	4.7
750	2562	2582	2539	11.2	22.0	3.0	-2.0	102	2.4	4.7
700	3138	3158	3112	9.1	17.8	0.2	-7.3	085	1.6	5.1
650	3748	3772	3719	6.0	15.2	-2.1	-10.6	063	1.3	5.6
600	4399	4428	4365	2.5	12.2	-4.5	-14.0	053	1.0	5.8
550	5096	5130	5059	-1.6	9.0	-9.9	-17.6	010	0.8	6.0
500	5849	5890	5811	-6.2	5.2	-16.5	-21.8	324	1.1	6.8
450	6663	6716	6621	-11.2	-0.5	-20.5	-25.2	300	2.4	7.9
400	7560	7628	7516	-17.0	-0.5	-28.3		294	4.2	9.4
350	8547	8633	8462	-23.9	-5.9	-33.5		282	6.1	10.7
300	9659	9766	9599	-32.1	-11.3	-42.7		268	8.1	12.1
250	10920	11054	10845	-42.3	-18.9	-52.3		256	9.2	13.3
200	12389	12553	12299	-54.5	-44.1	-64.3		251	9.7	14.6
175	13232	13418	13132	-61.4	-50.9	-70.5		254	8.9	14.4
150	14174	14384	14057	-68.3	-55.5	-80.1		253	7.3	13.2
125	15248	15477	15085	-74.9	-63.1	-87.3		256	5.3	12.1
100	16529	16783	16333	-79.8	-59.9	-89.5		268	1.8	9.6
80	17797	18082	17597	-78.8	-53.5	-90.1		081	0.7	7.3
70	18570	18892	18378	-75.3	-56.1	-89.1		087	0.5	6.3
60	19469	19812	19238	-70.3	-52.7	-83.9		052	0.1	6.7
50	20564	20937	20326	-65.2	-49.3	-76.1		083	1.1	7.6
40	21938	22344	21678	-60.2	-47.1	-72.3		111	2.4	8.9
30	23733	24204	23435	-56.0	-43.1	-67.1		103	3.0	10.1
25	24894	25413	24735	-54.3	-37.7	-66.1				
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
569	4820	5320	4470				096	16790	-81.9

NORMALS OF RADIOSONDE DATA

MONTH : FEBRUARY TIME : 0530 IST STATION : MANGALORE

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1008	1010	1004	23.1	26.0	18.6	21.1	023	1.2	1.7
1000	97	112	63	23.2	26.2	19.8	20.7	018	2.5	3.3
950	541	562	493	22.5	30.2	16.4	16.8	011	2.7	4.2
925	782	794	770	21.9	28.6	16.0	14.4	015	2.1	4.2
900	1015	1032	982	20.6	28.8	12.0	10.9	027	1.7	4.4
850	1507	1524	1475	18.0	26.6	9.0	7.5	090	1.7	4.6
800	2024	2041	1994	14.6	22.0	8.2	4.4	105	3.1	5.0
750	2564	2587	2531	11.1	19.6	4.6	0.0	106	3.2	5.2
700	3139	3164	3110	8.3	16.6	0.4	-6.1	091	2.1	5.1
650	3748	3777	3721	5.6	13.2	-4.1	-11.6	044	1.2	5.9
600	4398	4430	4375	2.2	9.8	-6.3	-15.4	349	1.1	6.4
550	5095	5131	5062	-1.7	5.2	-9.0	-19.4	326	1.6	6.9
500	5847	5886	5817	-6.3	1.0	-13.3	-23.4	312	2.4	7.3
450	6661	6706	6625	-11.4	-1.1	-19.3		299	3.1	8.3
400	7558	7613	7521	-17.1	-7.1	-28.0		296	4.7	10.0
350	8544	8620	8470	-23.9	-14.1	-33.0		285	6.8	11.6
300	9656	9751	9601	-32.2	-21.1	-41.0		273	8.4	12.9
250	10914	11041	10850	-42.3	-32.5	-51.1		263	9.4	13.6
200	12386	12553	12308	-54.4	-43.1	-66.1		261	9.2	14.2
175	13228	13420	13139	-61.4	-49.1	-74.9		260	8.7	14.2
150	14168	14388	14059	-68.4	-56.5	-82.7		261	7.6	13.3
125	15240	15488	15117	-75.0	-60.0	-90.3		261	5.0	11.7
100	16517	16786	16368	-79.7	-69.7	-90.1		279	1.6	9.0
80	17782	18078	17613	-78.7	-61.0	-90.1		035	0.5	7.6
70	18553	18863	18370	-75.4	-56.9	-86.5		327	0.9	6.8
60	19452	19796	19227	-71.2	-52.9	-84.1		295	1.4	6.7
50	20544	20917	20291	-66.1	-50.7	-80.1		278	1.4	7.3
40	21911	22329	21599	-61.4	-49.5	-78.5		226	0.3	7.7
30	23716	24211	23347	-56.9	-45.1	-74.1		139	0.2	9.0
25	24880	25330	24486	-54.7	-42.1	-67.9				
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
572	4780	5140	4370				097	16750	-82.0

NORMALS OF RADIOSONDE DATA

MONTH : MARCH TIME : 0530 IST STATION : MANGALORE

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1007	1008	1005	24.9	32.2	21.0	22.7	013	0.7	1.0
1000	90	101	73	24.8	29.0	20.0	22.5	007	1.7	2.7
950	536	552	483	23.5	31.0	15.8	18.9	359	1.9	3.4
925	777	786	758	22.7	29.0	18.4	16.6	359	1.4	3.2
900	1012	1025	997	22.0	28.8	14.4	12.3	001	1.5	4.1
850	1507	1520	1492	20.0	27.8	12.2	7.9	050	1.3	4.7
800	2027	2041	2013	16.7	25.4	7.0	5.0	088	2.9	5.3
750	2570	2588	2539	12.6	21.2	4.6	2.0	091	4.7	6.3
700	3147	3168	3130	8.4	17.2	0.4	-2.3	086	5.2	6.6
650	3756	3782	3733	5.2	15.2	-1.7	-8.0	083	4.5	6.6
600	4406	4439	4379	2.1	10.8	-4.9	-12.8	079	2.8	6.4
550	5103	5145	5072	-1.8	6.2	-9.5	-18.3	063	1.7	6.4
500	5855	5905	5822	-6.3	1.8	-15.3	-22.3	029	1.1	6.7
450	6671	6733	6628	-11.4	-3.1	-22.0	-26.6	324	1.7	7.5
400	7565	7639	7512	-17.2	-7.9	-28.7		295	3.7	9.0
350	8551	8639	8452	-24.0	-15.5	-36.3		280	6.2	10.7
300	9663	9765	9590	-32.1	-23.7	-44.1		271	8.4	12.4
250	10925	11048	10834	-42.0	-32.5	-53.9		265	9.7	13.8
200	12396	12539	12295	-53.9	-44.5	-70.7		265	10.1	14.7
175	13241	13398	13137	-60.7	-52.7	-77.9		265	9.9	14.5
150	14184	14354	14082	-67.6	-58.1	-84.1		266	8.7	13.6
125	15264	15448	15162	-74.5	-62.7	-90.7		270	5.8	11.7
100	16541	16728	16434	-79.9	-65.5	-89.7		277	2.3	9.3
80	17810	18013	17676	-78.5	-60.7	-88.7		306	0.1	7.1
70	18583	18829	18429	-74.9	-56.1	-88.1		284	0.4	6.8
60	19486	19726	19319	-70.4	-48.5	-82.9		284	1.4	7.2
50	20583	20834	20406	-65.1	-51.1	-75.0		263	1.7	7.7
40	21957	22215	21771	-59.7	-45.9	-69.9		238	0.6	8.7
30	23765	24026	23527	-54.8	-40.9	-65.5		091	2.7	10.2
25	24927	25234	24693	-52.4	-41.5	-63.5		092	4.8	11.5
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
574	4760	5350	4330				096	16790	-82.0

NORMALS OF RADIOSONDE DATA

MONTH : APRIL TIME : 0530 IST STATION : MANGALORE

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1005	1007	1004	26.3	29.6	21.8	23.4	006	0.5	1.0
1000	79	91	62	26.1	29.6	22.0	23.2	357	1.3	2.5
950	526	543	463	24.2	30.6	15.0	20.7	336	2.1	3.3
925	770	777	764	22.7	28.2	13.6	19.0	330	2.1	3.2
900	1003	1016	980	21.9	30.2	11.8	16.1	326	2.0	3.8
850	1499	1513	1476	20.5	29.0	10.2	10.9	342	1.8	4.2
800	2021	2037	1997	18.0	25.4	8.6	7.8	044	1.9	4.6
750	2567	2588	2532	14.2	23.6	4.8	5.0	081	3.8	5.3
700	3148	3168	3124	9.7	20.8	-0.3	1.2	082	5.6	6.6
650	3758	3780	3736	5.4	16.2	-4.5	-3.7	079	6.1	7.3
600	4409	4438	4383	1.7	11.8	-6.1	-9.5	079	4.6	6.7
550	5104	5142	5074	-1.9	11.4	-9.1	-15.0	077	2.8	5.9
500	5857	5909	5820	-6.0	3.4	-15.9	-19.7	064	1.4	5.8
450	6674	6737	6632	-10.8	8.2	-18.5	-24.4	004	0.7	6.8
400	7571	7653	7521	-16.7	-8.5	-28.9	-28.7	301	2.1	8.1
350	8559	8661	8472	-23.4	-13.1	-33.1	-33.9	282	4.1	9.6
300	9672	9794	9600	-31.5	-22.1	-42.3		270	6.5	11.1
250	10937	11086	10851	-41.4	-30.1	-51.9		260	8.4	12.7
200	12416	12599	12310	-53.3	-40.3	-65.9		250	9.5	13.3
175	13262	13463	13149	-60.1	-47.9	-72.5		249	9.2	13.1
150	14206	14432	14087	-67.3	-54.1	-79.1		251	7.7	11.9
125	15285	15537	15165	-74.4	-61.3	-86.9		252	5.0	10.2
100	16563	16838	16447	-80.1	-70.9	-90.0		157	0.6	8.2
80	17831	18132	17689	-78.6	-60.7	-89.0		097	2.9	7.2
70	18603	18924	18437	-74.8	-57.1	-87.3		102	2.3	6.7
60	19507	19843	19327	-69.4	-50.5	-82.7		126	1.6	6.8
50	20608	20978	20419	-63.6	-46.3	-78.5		154	1.2	7.9
40	21997	22390	21830	-58.3	-41.1	-76.5		106	2.3	8.9
30	23818	24223	23573	-53.5	-39.1	-65.1		095	6.7	11.0
25	25009	25429	24640	-51.0	-38.1	-61.5		094	8.1	12.4
20	26449	26796	26189	-48.2	-39.3	-58.1				
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
577	4720	5620	4260				096	16840	-82.0

NORMALS OF RADIOSONDE DATA

MONTH : MAY TIME : 0530 IST STATION : MANGALORE

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1004	1006	1003	26.5	30.4	22.4	24.0	333	0.6	1.5
1000	70	85	54	26.3	29.8	22.6	23.7	334	1.6	3.1
950	518	538	484	24.4	32.0	17.4	21.4	319	2.9	4.3
925	762	771	750	22.9	30.8	16.0	20.0	307	2.9	4.3
900	995	1009	980	21.7	33.2	14.6	18.2	309	3.5	4.9
850	1489	1504	1474	19.8	30.0	11.4	13.6	308	3.0	5.0
800	2011	2026	1995	17.8	29.0	8.8	9.1	333	1.7	5.0
750	2558	2578	2534	14.6	22.6	5.2	5.9	050	2.0	5.5
700	3140	3162	3116	10.6	18.0	3.2	2.1	075	3.7	6.5
650	3751	3778	3724	6.4	14.0	0.0	-1.7	077	5.0	7.4
600	4405	4433	4374	2.3	9.6	-4.1	-6.3	077	5.1	7.5
550	5102	5132	5068	-1.6	6.0	-8.0	-10.6	077	4.2	7.0
500	5857	5887	5819	-5.4	2.0	-12.1	-15.2	074	3.1	6.6
450	6675	6708	6637	-9.8	-1.7	-17.1	-19.9	070	2.4	6.8
400	7578	7614	7533	-15.3	-5.7	-23.1	-24.9	052	1.5	6.9
350	8572	8616	8523	-22.0	-11.9	-28.3	-30.7	039	0.7	7.0
300	9693	9749	9625	-30.0	-20.3	-37.9	-38.2	232	0.3	6.9
250	10964	11036	10880	-40.0	-30.7	-48.9	-47.4	200	1.6	7.3
200	12448	12543	12344	-52.4	-41.7	-63.3		177	3.2	8.6
175	13297	13404	13183	-59.6	-47.5	-73.9		163	4.1	9.4
150	14244	14365	14117	-67.3	-54.7	-81.3		146	5.5	10.5
125	15321	15471	15182	-74.9	-58.5	-86.1		124	7.6	11.5
100	16598	16772	16444	-80.6	-68.9	-92.0		107	10.1	12.3
80	17864	18068	17683	-78.6	-61.9	-92.0		099	9.3	10.6
70	18641	18856	18464	-74.4	-57.1	-87.0		102	7.4	9.2
60	19551	19778	19366	-68.3	-51.7	-87.0		100	5.8	8.2
50	20659	20923	20467	-62.7	-49.1	-73.9		099	6.3	9.2
40	22052	22350	21819	-58.2	-44.5	-69.9		094	8.8	10.6
30	23898	24240	23647	-53.6	-44.1	-64.1		097	11.0	12.8
25	25083	25419	24842	-51.0	-41.3	-60.9		094	13.6	14.9
20	26533	26978	26257	-48.4	-38.3	-61.5				
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
570	4810	5380	4440				096	16830	-82.5

NORMALS OF RADIOSONDE DATA

MONTH : JUNE TIME : 0530 IST STATION : MANGALORE

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1004	1006	1002	25.1	30.0	22.0	23.6	248	1.7	3.0
1000	63	82	52	25.0	29.2	17.8	23.4	250	2.8	5.0
950	509	532	470	23.1	30.6	17.0	21.0	262	5.3	7.3
925	752	765	731	22.2	29.4	16.2	20.0	268	5.9	7.5
900	984	1004	969	20.4	28.4	13.2	18.3	275	7.9	9.3
850	1477	1497	1458	17.7	25.6	8.0	15.2	279	8.7	10.1
800	1995	2014	1971	15.0	23.0	7.6	11.6	279	8.6	10.1
750	2537	2562	2508	12.3	20.4	4.0	7.9	278	7.9	9.9
700	3116	3143	3082	9.4	17.0	-0.5	3.5	278	7.0	9.7
650	3727	3759	3684	6.1	13.0	-6.3	-0.5	278	6.0	9.4
600	4381	4415	4333	2.6	9.2	-7.7	-4.1	279	5.0	8.9
550	5080	5119	5027	-1.0	6.6	-11.5	-7.6	272	4.4	8.0
500	5837	5879	5779	-5.0	2.4	-15.5	-12.1	268	3.5	7.2
450	6658	6705	6591	-9.5	-1.1	-20.1	-16.7	255	2.1	6.4
400	7562	7617	7498	-14.9	-5.9	-23.3	-22.1	191	0.5	5.7
350	8560	8624	8495	-21.5	-10.9	-28.9	-28.9	107	2.0	6.0
300	9682	9762	9604	-29.5	-20.1	-37.9	-36.9	097	4.8	6.9
250	10958	11063	10881	-39.6	-29.0	-49.0	-46.3	092	8.5	10.2
200	12445	12575	12356	-52.1	-41.9	-66.3		094	14.1	15.4
175	13299	13443	13197	-59.2	-48.1	-71.1		094	18.1	19.2
150	14245	14406	14125	-67.2	-55.3	-79.7		095	22.9	23.9
125	15323	15504	15181	-75.3	-63.5	-89.3		097	27.2	28.2
100	16602	16808	16444	-80.2	-65.1	-90.1		098	27.4	28.1
80	17880	18110	17713	-76.4	-54.3	-90.1		098	20.5	21.4
70	18661	18908	18500	-71.6	-47.7	-85.3		098	16.0	16.8
60	19574	19851	19406	-67.0	-49.1	-79.1		095	12.8	13.8
50	20684	20974	20494	-62.9	-45.1	-74.7		095	12.8	13.7
40	22083	22367	21784	-58.5	-44.1	-72.0		092	14.0	14.7
30	23893	24267	23360	-54.4	-42.5	-68.9				
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
564	4880	5470	4410				100	16650	-82.4

NORMALS OF RADIOSONDE DATA

MONTH : JULY TIME : 0530 IST STATION : MANGALORE

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1004	1005	1003	24.7	28.0	22.0	23.5	266	2.3	3.1
1000	69	81	57	24.6	28.0	21.6	23.3	271	4.3	5.6
950	514	525	474	22.8	30.0	17.2	20.8	279	7.4	8.4
925	754	757	741	21.4	28.6	16.4	19.3	279	8.6	9.4
900	989	998	973	20.1	27.2	14.8	18.0	287	10.0	10.7
850	1481	1493	1461	17.3	25.2	11.0	15.0	290	10.8	11.4
800	1998	2013	1976	14.5	23.8	8.8	11.8	290	10.4	10.9
750	2539	2560	2507	11.8	21.6	6.0	8.0	289	9.8	10.5
700	3117	3139	3091	9.1	20.0	3.2	3.7	289	9.0	9.9
650	3728	3755	3699	6.0	14.8	-3.3	-0.1	289	7.6	8.8
600	4381	4412	4348	2.6	12.2	-3.1	-3.6	288	6.2	7.9
550	5079	5115	5042	-0.9	7.8	-7.1	-7.1	285	4.6	6.9
500	5837	5877	5795	-4.9	2.8	-12.1	-11.3	280	3.2	6.3
450	6658	6704	6610	-9.5	-0.3	-17.9	-16.2	274	1.5	5.6
400	7563	7612	7505	-14.9	-5.9	-26.1	-21.9	090	0.9	5.6
350	8559	8614	8490	-21.7	-11.7	-33.1	-28.8	092	3.3	6.3
300	9682	9747	9603	-29.8	-18.7	-40.7	-36.9	094	7.0	8.7
250	10955	11027	10854	-40.0	-27.7	-50.9	-46.2	096	12.0	13.0
200	12440	12530	12314	-52.4	-39.1	-66.0		096	20.4	21.1
175	13291	13391	13149	-59.5	-45.5	-71.5		094	26.0	26.8
150	14238	14351	14079	-67.1	-53.3	-80.1		093	32.5	33.1
125	15315	15456	15130	-74.8	-62.5	-88.5		094	36.3	36.9
100	16594	16746	16386	-78.1	-62.7	-90.1		098	34.4	35.0
80	17891	18067	17671	-72.2	-59.5	-86.5		097	24.1	24.7
70	18685	18877	18428	-68.5	-53.7	-85.1		098	20.3	21.0
60	19615	19836	19367	-64.9	-49.7	-76.1		093	18.3	19.0
50	20741	20975	20471	-61.1	-47.5	-71.9				
40	22133	22379	21967	-57.8	-45.5	-70.5				
30	23959	24248	23774	-54.1	-42.3	-64.7				
25	25115	25428	24939	-52.4	-41.5	-62.5				
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
563	4890	5340	4560				105	16330	-80.5

NORMALS OF RADIOSONDE DATA

MONTH : AUGUST TIME : 0530 IST STATION : MANGALORE

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1005	1007	1003	24.4	27.6	22.0	23.3	275	2.0	2.6
1000	76	92	59	24.3	27.4	22.0	23.1	281	3.5	4.6
950	520	542	466	22.4	28.0	16.6	20.6	289	6.9	7.8
925	763	775	757	21.1	25.2	15.0	19.1	287	7.4	8.2
900	994	1012	973	19.7	25.8	12.2	17.8	294	9.5	10.1
850	1486	1504	1462	17.0	24.0	10.2	15.0	294	10.0	10.6
800	2002	2020	1976	14.4	23.0	8.2	12.0	295	9.9	10.4
750	2543	2564	2499	11.8	20.4	6.8	8.2	293	9.4	10.1
700	3121	3142	3089	8.9	16.8	3.0	3.8	292	8.8	9.6
650	3732	3755	3697	5.9	14.4	-0.7	-0.3	292	7.6	8.6
600	4384	4410	4345	2.5	10.8	-3.9	-3.9	291	6.3	7.7
550	5082	5111	5029	-1.1	6.2	-9.0	-7.7	289	4.9	6.8
500	5840	5876	5794	-5.0	1.4	-11.0	-12.0	285	3.3	5.9
450	6660	6703	6599	-9.5	-1.3	-17.0	-17.0	288	1.6	5.4
400	7566	7619	7509	-14.9	-7.1	-23.0	-22.4	079	0.9	5.1
350	8563	8630	8493	-21.6	-12.1	-29.0	-29.5	091	3.4	6.0
300	9686	9768	9616	-29.8	-20.9	-37.9	-37.6	098	6.6	8.1
250	10959	11057	10869	-40.0	-29.5	-50.3	-46.8	098	12.2	13.2
200	12444	12566	12321	-52.3	-41.9	-70.1		096	20.6	21.4
175	13293	13425	13140	-59.4	-48.1	-77.7		095	26.0	26.5
150	14241	14389	14057	-67.0	-54.1	-82.5		093	31.2	31.8
125	15322	15499	15103	-74.7	-62.1	-88.5		094	34.8	35.4
100	16605	16805	16363	-77.2	-63.5	-89.9		097	30.2	30.8
80	17909	18132	17635	-71.2	-55.7	-83.9		096	20.5	21.1
70	18706	18938	18388	-67.7	-52.5	-77.9		097	18.6	19.1
60	19637	19889	19302	-64.3	-51.5	-74.0		094	17.8	18.6
50	20767	21028	20583	-60.9	-46.3	-71.7		090	17.9	18.5
40	22153	22398	21967	-57.8	-43.1	-68.7				
30	23983	24223	23698	-54.5	-43.3	-67.5				
25	25147	25406	24963	-52.9	-41.1	-65.5				
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
565	4870	5370	4480				107	16220	-79.8

NORMALS OF RADIOSONDE DATA

MONTH : SEPTEMBER TIME : 0530 IST STATION : MANGALORE

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1006	1007	1003	24.4	28.0	22.0	23.3	308	0.6	1.4
1000	80	95	57	24.2	27.0	21.0	23.1	318	1.4	3.2
950	526	545	503	22.5	29.8	17.2	20.6	309	3.3	5.1
925	767	778	754	21.4	26.2	16.2	19.1	300	3.9	5.4
900	999	1015	977	19.9	27.0	14.2	17.7	306	4.9	6.3
850	1491	1507	1469	17.4	24.2	11.2	14.5	302	5.0	6.6
800	2008	2024	1984	14.7	21.4	9.0	11.0	299	4.4	6.6
750	2550	2569	2516	12.1	20.4	5.8	6.9	297	3.6	6.5
700	3127	3146	3097	9.1	17.0	2.0	2.6	295	3.0	6.1
650	3737	3758	3699	5.9	13.4	-1.0	-1.6	290	2.7	5.8
600	4390	4413	4355	2.6	10.0	-5.0	-5.2	288	2.1	5.6
550	5089	5117	5043	-1.0	7.0	-7.0	-9.0	285	1.4	5.1
500	5846	5882	5802	-5.1	2.0	-11.3	-13.3	296	0.4	4.8
450	6665	6706	6612	-9.8	9.0	-16.3	-18.2	083	1.0	4.8
400	7569	7621	7517	-15.3	-6.5	-21.9	-23.7	095	2.4	5.1
350	8563	8628	8476	-22.1	-11.3	-30.0	-30.3	099	4.4	6.0
300	9684	9766	9609	-30.3	-21.7	-38.3	-38.2	100	7.0	8.0
250	10955	11052	10862	-40.7	-30.9	-49.1	-47.5	101	10.9	11.6
200	12437	12556	12335	-53.2	-41.9	-63.5		100	16.0	16.7
175	13283	13418	13176	-60.5	-50.1	-74.1		100	19.6	20.3
150	14225	14375	14101	-68.3	-57.3	-83.9		099	23.4	24.2
125	15300	15505	15153	-75.6	-63.7	-87.1		100	25.4	26.2
100	16578	16784	16406	-77.9	-66.9	-89.3		102	21.4	21.9
80	17873	18118	17668	-73.0	-59.7	-84.7		099	13.8	14.5
70	18662	18891	18440	-69.2	-58.1	-83.3		096	12.6	13.4
60	19588	19830	19349	-65.5	-54.1	-76.3		092	12.2	13.1
50	20715	20992	20372	-62.1	-51.3	-76.1		091	13.2	14.1
40	22110	22447	21836	-58.3	-45.1	-69.7		096	15.4	15.9
30	23949	24401	23561	-54.0	-42.3	-64.5				
25	25089	25600	24693	-52.4	-39.9	-67.9				
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
564	4890	5380	4440				107	16200	-80.2

NORMALS OF RADIOSONDE DATA

MONTH : OCTOBER TIME : 0530 IST STATION : MANGALORE

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1006	1009	1004	24.4	32.0	20.0	23.2	085	0.3	1.2
1000	84	109	71	24.3	26.6	21.6	22.9	067	0.6	2.6
950	530	561	513	23.1	29.2	18.0	20.3	360	0.3	3.9
925	770	795	761	21.9	26.0	17.4	18.8	203	0.6	4.0
900	1005	1033	985	20.7	26.4	15.0	16.9	012	0.5	4.7
850	1498	1527	1475	18.1	25.2	11.4	13.4	072	1.2	5.3
800	2016	2045	1989	15.1	23.4	8.8	10.1	082	1.9	5.7
750	2558	2590	2527	12.0	18.8	2.0	6.4	080	2.4	5.9
700	3135	3165	3103	8.8	15.2	2.6	2.2	083	2.0	5.6
650	3744	3774	3708	5.7	14.2	-1.1	-1.6	085	1.5	5.5
600	4397	4424	4359	2.5	10.6	-2.7	-5.4	089	1.1	5.3
550	5095	5123	5052	-1.1	6.6	-7.0	-9.2	092	1.4	5.2
500	5851	5881	5805	-5.2	1.2	-12.1	-13.4	091	1.8	5.1
450	6670	6705	6619	-9.9	-2.1	-16.5	-18.3	088	2.3	5.3
400	7573	7610	7523	-15.5	-8.3	-22.3	-23.8	093	2.6	5.5
350	8567	8614	8484	-22.3	-14.7	-31.0	-30.4	098	2.7	5.7
300	9686	9743	9620	-30.7	-22.9	-40.0	-38.3	108	3.4	6.4
250	10955	11025	10876	-41.0	-32.1	-51.0	-47.8	115	5.0	8.0
200	12429	12521	12320	-53.9	-44.3	-65.1		120	7.6	10.7
175	13274	13379	13145	-61.2	-51.1	-72.1		119	9.5	12.8
150	14211	14339	14060	-69.0	-57.5	-80.1		118	11.1	14.1
125	15283	15432	15106	-76.0	-63.0	-89.1		114	12.2	14.7
100	16553	16727	16348	-79.7	-59.1	-91.9		105	10.5	12.3
80	17832	18046	17596	-75.0	-60.1	-89.9		098	7.7	9.4
70	18620	18978	18368	-70.9	-56.1	-86.3		096	6.9	8.4
60	19544	19906	19273	-66.7	-53.3	-79.1		096	7.4	8.9
50	20655	21032	20362	-62.8	-48.9	-77.7		091	8.2	9.6
40	22047	22442	21699	-59.1	-45.9	-68.9		091	10.5	11.6
30	23858	24304	23493	-54.9	-41.5	-64.1		097	13.2	14.1
25	25034	25494	24587	-52.6	-43.1	-62.3				
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
565	4870	5320	4550				104	16380	-81.6

NORMALS OF RADIOSONDE DATA

MONTH : NOVEMBER TIME : 0530 IST STATION : MANGALORE

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1007	1008	1005	23.9	27.0	19.8	22.4	088	1.0	1.7
1000	88	99	72	24.0	26.6	20.0	22.0	083	1.7	3.1
950	534	551	514	23.4	29.2	17.4	18.1	089	2.5	4.6
925	773	784	763	22.3	28.4	15.8	16.6	086	3.2	4.9
900	1008	1023	987	20.9	27.0	13.8	14.2	092	3.1	5.4
850	1501	1518	1463	17.9	23.8	10.8	11.1	096	3.7	5.7
800	2018	2036	1978	14.6	22.2	7.2	7.9	097	3.8	5.7
750	2559	2582	2517	11.7	18.8	4.2	4.1	095	3.6	5.6
700	3136	3158	3092	9.0	15.6	0.2	0.6	093	3.3	5.6
650	3746	3770	3687	6.0	13.4	-3.9	-3.1	092	3.0	5.7
600	4398	4426	4337	2.8	10.4	-8.5	-6.2	091	3.2	6.0
550	5097	5128	5029	-0.8	7.2	-14.5	-10.2	085	3.7	6.5
500	5854	5893	5783	-5.1	3.8	-20.3	-14.7	082	4.1	6.9
450	6672	6719	6597	-10.1	-3.1	-28.7	-19.1	080	3.9	7.2
400	7574	7644	7498	-15.8	-8.1	-23.7	-25.0	079	3.3	7.2
350	8566	8654	8489	-22.8	-13.7	-30.1	-31.2	088	2.2	6.8
300	9683	9789	9612	-31.0	-20.3	-39.1	-38.7	149	1.4	6.8
250	10950	11078	10880	-41.3	-30.1	-49.9		179	3.8	8.2
200	12423	12591	12349	-54.1	-42.1	-77.3		179	6.4	10.3
175	13266	13456	13181	-61.2	-49.3	-81.1		174	6.7	10.7
150	14206	14421	14108	-68.6	-56.5	-83.9		174	5.1	9.9
125	15275	15513	15173	-75.8	-60.5	-86.5		154	3.0	8.7
100	16547	16840	16438	-80.7	-66.5	-96.9		109	3.8	7.7
80	17810	18102	17673	-77.8	-61.1	-89.3		097	4.9	7.5
70	18587	18936	18461	-73.5	-57.9	-84.1		098	4.2	6.9
60	19497	19842	19355	-68.8	-56.5	-81.3		092	4.3	7.0
50	20605	20958	20424	-64.1	-51.0	-80.1		095	5.6	8.3
40	21997	22306	21840	-59.3	-45.9	-72.7		095	8.5	10.7
30	23815	24215	23520	-55.7	-45.5	-69.1		098	11.5	14.0
25	24981	25419	24754	-53.6	-43.5	-69.5		100	10.8	14.1
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
562	4920	5360	4480				100	16580	-82.6

NORMALS OF RADIOSONDE DATA

MONTH : DECEMBER TIME : 0530 IST STATION : MANGALORE

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1008	1010	1006	22.6	27.0	17.6	20.2	084	2.0	2.5
1000	101	121	82	22.9	27.2	17.8	19.7	090	3.5	4.5
950	546	569	526	22.9	30.4	17.2	15.5	096	4.5	5.9
925	786	801	778	21.7	28.6	15.6	13.3	098	4.9	6.0
900	1020	1038	1002	20.3	28.0	14.2	11.5	102	4.5	5.8
850	1511	1529	1493	17.2	25.2	11.0	8.0	108	4.0	5.2
800	2026	2042	2005	14.3	26.8	7.8	4.5	108	3.5	4.9
750	2567	2583	2544	12.1	20.4	4.6	0.0	099	3.2	5.0
700	3143	3164	3119	9.6	19.0	2.2	-3.3	093	2.9	5.1
650	3754	3779	3728	6.3	13.6	-1.3	-6.8	090	2.8	5.4
600	4406	4436	4378	2.8	10.2	-4.9	-9.9	091	2.7	5.7
550	5105	5141	5074	-1.2	7.4	-8.0	-13.4	089	2.4	6.2
500	5859	5902	5831	-5.7	2.8	-12.5	-18.2	084	2.0	6.7
450	6676	6727	6644	-10.7	-1.9	-19.1	-22.3	048	1.0	7.1
400	7574	7639	7539	-16.7	-7.9	-24.9	-27.3	308	1.4	7.8
350	8562	8643	8494	-23.7	-13.9	-34.0	-33.3	281	3.3	9.0
300	9673	9776	9625	-32.1	-21.7	-41.7		260	5.8	10.6
250	10934	11059	10874	-42.3	-31.7	-54.0		243	8.2	12.7
200	12404	12555	12328	-54.5	-42.7	-71.0		236	9.9	14.6
175	13246	13412	13144	-61.4	-50.5	-74.9		239	10.2	14.5
150	14183	14372	14057	-68.4	-57.3	-79.9		247	9.7	13.9
125	15256	15483	15117	-75.0	-63.5	-93.5		255	7.4	11.8
100	16533	16793	16342	-80.1	-68.5	-89.9		258	2.9	9.4
80	17801	18097	17591	-78.5	-66.5	-89.9		084	2.2	7.7
70	18573	18888	18354	-74.7	-60.1	-86.1		089	3.0	7.2
60	19480	19818	19249	-69.5	-53.3	-82.1		086	3.2	7.2
50	20583	20943	20331	-64.4	-50.1	-79.5		094	3.9	7.8
40	21954	22345	21668	-59.8	-46.9	-75.3		093	5.8	9.3
30	23788	24234	23426	-55.1	-44.0	-66.5		099	4.9	10.5
25	24955	25476	24596	-53.4	-43.7	-60.9		096	5.5	11.3
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
564	4900	5410	4620				097	16770	-81.9

NORMALS OF RADIOSONDE DATA

MONTH : JANUARY TIME : 0530 IST STATION : MINICOY

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1010	1012	1009	24.8	28.2	20.0	22.0	020	1.2	1.6
1000	94	106	78	24.5	28.4	20.0	21.5	023	1.9	2.8
950	532	559	488	22.6	30.2	16.2	18.1	043	2.8	3.9
925	775	785	765	21.4	27.6	16.0	15.4	060	3.4	4.3
900	1012	1023	996	19.8	28.4	14.4	13.2	068	3.7	4.6
850	1503	1514	1486	16.9	25.0	11.4	8.4	081	4.4	5.5
800	2018	2029	2003	14.1	22.0	8.0	3.4	085	4.0	5.6
750	2555	2574	2526	11.7	20.0	5.0	-1.4	088	3.2	5.4
700	3135	3148	3121	9.0	18.0	3.0	-4.3	088	2.8	5.5
650	3745	3768	3715	5.9	13.8	-5.3	-7.8	089	3.1	5.8
600	4395	4416	4375	2.4	11.0	-3.9	-11.3	086	3.8	6.4
550	5092	5124	5060	-1.6	7.8	-8.5	-14.5	084	4.6	7.2
500	5846	5878	5817	-6.0	2.0	-11.5	-18.6	082	4.9	7.9
450	6660	6699	6623	-10.9	-2.9	-18.0	-23.4	078	4.9	8.7
400	7559	7609	7517	-16.6	-6.9	-26.0	-28.4	073	3.9	8.9
350	8546	8606	8497	-23.6	-14.0	-33.3	-34.8	082	2.4	8.9
300	9659	9734	9594	-32.1	-22.9	-43.1		136	1.9	9.1
250	10917	11013	10841	-42.4	-32.1	-53.5		165	3.7	10.5
200	12384	12522	12295	-54.9	-42.0	-66.7		171	4.3	12.4
175	13222	13383	13125	-61.8	-49.0	-72.0		172	3.8	13.1
150	14154	14342	14055	-69.1	-55.0	-82.0		172	2.6	13.1
125	15223	15441	15117	-75.9	-61.0	-87.5		140	1.9	12.1
100	16489	16727	16250	-80.9	-65.0	-90.5		092	2.2	9.9
80	17743	18037	17621	-79.3	-55.9	-89.5		081	2.5	7.9
70	18512	18831	18321	-75.7	-50.7	-90.0		068	1.5	8.2
60	19408	19754	19217	-71.3	-47.1	-87.0		091	0.5	9.4
50	20494	20840	20298	-67.3	-44.7	-82.0		093	1.9	11.4
40	21850	22191	21638	-62.5	-41.3	-77.0		099	5.0	12.8
30	23643	24024	23326	-57.2	-37.7	-72.0		103	6.6	14.9
25	24782	25187	24440	-55.0	-37.7	-70.0		098	5.8	16.4
20	26217	26649	26018	-52.6	-38.5	-64.9				
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
569	4820	5250	4580				099	16570	-83.0

NORMALS OF RADIOSONDE DATA

MONTH : FEBRUARY TIME : 0530 IST STATION : MINICOY

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1010	1012	1007	25.2	28.6	20.0	22.3	003	1.3	1.7
1000	91	106	62	24.9	28.0	21.0	21.9	004	2.1	2.8
950	529	552	480	22.7	29.4	16.8	18.7	023	2.5	3.6
925	774	786	762	21.5	27.8	15.6	16.0	046	2.6	3.8
900	1010	1025	979	20.1	29.6	12.0	13.9	070	2.9	4.3
850	1502	1517	1470	17.4	29.4	10.6	8.9	089	4.4	5.7
800	2018	2035	1986	14.6	25.6	7.4	3.7	092	4.6	6.1
750	2555	2580	2524	12.0	21.8	3.4	-1.8	092	3.7	5.6
700	3135	3158	3103	9.2	19.2	2.2	-6.1	095	2.9	5.5
650	3746	3778	3711	5.9	15.4	0.0	-9.6	091	2.7	5.8
600	4396	4423	4366	2.3	11.0	-3.1	-12.7	087	3.0	6.2
550	5094	5133	5058	-1.6	7.2	-7.1	-16.7	083	3.5	7.1
500	5847	5884	5819	-6.0	5.2	-12.9	-19.9	082	3.6	7.8
450	6661	6713	6612	-10.9	0.8	-18.3	-24.4	074	3.6	8.6
400	7560	7612	7523	-16.5	-4.5	-24.7	-29.0	064	2.8	9.2
350	8546	8609	8495	-23.6	-11.9	-32.9		066	1.5	9.4
300	9661	9749	9602	-32.1	-24.1	-42.5		133	1.4	9.7
250	10921	11039	10852	-42.4	-33.1	-52.5		164	3.0	10.8
200	12390	12556	12308	-54.6	-45.3	-66.1		163	3.9	12.9
175	13229	13423	13137	-61.6	-52.0	-73.1		154	3.8	13.5
150	14169	14391	14073	-68.7	-58.0	-81.0		151	3.1	13.3
125	15236	15513	15111	-75.5	-63.7	-88.0		124	2.0	12.2
100	16508	16795	16361	-80.3	-69.0	-94.0		076	2.4	9.6
80	17766	18063	17577	-79.3	-65.0	-92.0		077	1.7	8.2
70	18535	18864	18371	-76.4	-63.0	-89.0		010	0.4	7.8
60	19428	19784	19231	-71.9	-61.0	-86.1		297	0.6	9.7
50	20507	20889	20311	-67.3	-54.1	-80.1		249	0.8	11.3
40	21869	22269	21692	-62.8	-49.9	-75.9		180	0.8	12.9
30	23668	24087	23400	-57.6	-43.9	-72.1		117	2.4	15.6
25	24823	25257	24575	-55.1	-44.1	-70.9		096	2.8	17.3
20	26259	26843	26023	-52.3	-42.7	-69.5		083	2.3	19.3
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
570	4810	5200	4490				098	16630	-82.4

NORMALS OF RADIOSONDE DATA

MONTH : MARCH TIME : 0530 IST STATION : MINICOY

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1010	1011	1007	26.1	30.6	21.0	23.1	340	1.1	1.6
1000	86	98	63	25.8	30.2	17.0	22.7	342	1.8	2.6
950	524	546	491	23.5	29.0	17.8	19.8	360	2.0	3.5
925	770	782	749	22.4	26.8	17.2	17.3	035	2.0	3.7
900	1008	1020	987	20.9	28.4	15.2	15.1	067	2.2	4.1
850	1501	1515	1479	18.3	26.6	12.6	10.1	087	4.7	5.9
800	2019	2033	1995	15.3	21.8	8.0	5.7	088	6.5	7.6
750	2555	2576	2522	12.2	19.2	0.0	0.0	088	6.9	8.0
700	3137	3153	3109	9.0	16.2	0.2	-5.2	090	5.8	7.3
650	3748	3768	3717	5.8	14.6	-4.0	-8.8	090	4.6	6.6
600	4398	4420	4363	2.3	10.8	-5.1	-12.4	089	4.2	6.4
550	5095	5134	5056	-1.5	7.6	-8.7	-15.8	083	4.3	6.8
500	5850	5886	5805	-5.9	3.2	-12.7	-19.9	077	4.3	7.3
450	6665	6721	6617	-10.8	-1.9	-19.0	-24.3	071	3.4	7.7
400	7565	7622	7505	-16.6	-7.7	-24.0	-28.8	056	2.0	8.2
350	8552	8623	8487	-23.4	-14.0	-31.0	-34.7	004	0.3	9.0
300	9667	9757	9585	-31.7	-22.9	-39.9		238	1.9	9.9
250	10929	11043	10834	-42.0	-31.9	-52.1		226	3.1	10.9
200	12402	12546	12289	-54.2	-41.7	-63.9		227	3.3	12.2
175	13245	13409	13126	-61.0	-50.5	-71.3		233	3.3	12.5
150	14184	14374	14053	-68.1	-57.3	-80.1		241	3.0	12.2
125	15254	15470	15098	-75.3	-62.1	-88.0		262	0.9	11.0
100	16525	16786	16320	-80.8	-65.9	-92.0		089	2.3	9.1
80	17775	18076	17524	-79.3	-60.9	-92.0		082	2.8	8.3
70	18548	18860	18301	-75.8	-61.3	-92.0		078	1.7	8.3
60	19443	19758	19170	-71.1	-54.7	-91.0		073	0.2	9.3
50	20537	20853	20243	-66.1	-46.1	-84.0		225	0.7	10.6
40	21907	22269	21603	-61.0	-45.1	-77.0		207	1.0	12.2
30	23721	24116	23419	-55.3	-39.1	-71.9		138	0.9	15.1
25	24887	25275	24507	-52.3	-34.9	-69.3		112	2.5	17.3
20	26315	26774	25940	-49.4	-34.1	-69.1		104	3.4	18.3
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
569	4820	5300	4500				096	16760	-83.2

NORMALS OF RADIOSONDE DATA

MONTH : APRIL TIME : 0530 IST STATION : MINICOY

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1008	1009	1007	27.4	30.0	23.4	24.1	314	1.6	2.2
1000	75	85	66	27.1	30.0	23.8	23.8	314	2.3	3.3
950	515	537	472	24.6	32.0	17.6	21.0	318	2.7	4.2
925	764	773	756	22.8	28.2	16.0	18.5	329	2.1	4.2
900	1000	1009	988	21.9	29.8	15.2	17.0	339	1.3	3.9
850	1495	1507	1482	19.3	29.0	13.2	12.1	065	2.0	4.4
800	2015	2031	2001	16.5	30.0	9.8	8.3	078	4.3	5.7
750	2554	2580	2530	13.2	26.0	6.8	4.4	081	6.1	7.1
700	3138	3162	3123	9.7	19.8	2.6	-0.6	082	6.7	7.6
650	3750	3781	3727	6.0	16.0	-1.1	-5.2	083	5.8	7.1
600	4401	4435	4376	2.4	10.4	-5.1	-9.3	085	4.4	6.4
550	5100	5141	5067	-1.4	6.2	-8.7	-13.5	088	3.8	6.2
500	5853	5903	5812	-5.7	3.0	-12.3	-18.0	086	3.2	6.4
450	6672	6733	6621	-10.4	1.8	-18.1	-22.1	081	2.8	6.8
400	7571	7642	7508	-16.1	-7.3	-25.7	-27.7	080	1.5	7.2
350	8561	8655	8489	-22.9	-11.9	-32.5	-32.9	181	0.2	7.6
300	9677	9784	9589	-31.3	-20.7	-42.7	-40.0	223	1.5	8.0
250	10943	11076	10839	-41.5	-30.7	-53.3		203	3.1	9.1
200	12418	12593	12295	-53.8	-43.9	-65.3		190	3.8	10.7
175	13260	13460	13129	-60.8	-48.7	-74.3		186	3.5	11.3
150	14196	14444	14057	-68.3	-57.3	-81.1		164	2.4	10.8
125	15267	15551	15103	-75.7	-52.5	-90.0		122	2.0	9.8
100	16529	16860	16349	-81.4	-58.1	-95.0		097	3.8	8.7
80	17777	18125	17546	-78.9	-65.0	-93.3		092	3.4	8.1
70	18542	18933	18333	-75.0	-57.0	-90.1		085	0.5	8.1
60	19439	19823	19205	-70.3	-52.3	-87.3		249	0.8	9.4
50	20530	20948	20288	-65.3	-50.9	-81.3		201	1.2	11.1
40	21910	22378	21624	-60.0	-44.3	-76.7		104	1.7	13.1
30	23738	24273	23458	-54.0	-40.5	-69.7		096	5.5	17.4
25	24884	25460	24579	-51.4	-37.5	-63.1		087	6.1	18.8
20	26354	26979	26044	-47.6	-35.1	-57.7		086	7.1	19.6
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
567	4860	5440	4360				099	16600	-83.5

NORMALS OF RADIOSONDE DATA

MONTH : MAY TIME : 0530 IST STATION : MINICOY

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1008	1009	1006	27.7	32.6	23.0	24.5	287	3.2	3.8
1000	69	81	57	27.4	29.4	23.0	24.2	288	4.1	4.9
950	511	534	469	24.7	29.6	19.0	21.4	293	5.3	6.3
925	759	768	752	22.8	27.8	18.8	18.7	292	5.6	6.5
900	995	1009	980	21.9	29.2	16.4	17.6	293	5.2	6.4
850	1490	1507	1474	19.2	27.2	13.0	13.3	297	3.8	5.9
800	2009	2029	1994	16.4	25.0	10.0	9.4	318	2.3	5.9
750	2547	2573	2511	13.3	19.2	2.0	5.6	008	1.5	6.2
700	3133	3155	3115	9.8	16.6	1.6	1.5	049	1.8	6.9
650	3744	3770	3717	6.0	13.8	-4.0	-2.4	065	1.9	7.2
600	4397	4426	4374	2.3	9.8	-4.0	-6.8	055	1.2	6.7
550	5095	5128	5066	-1.4	7.0	-7.5	-10.7	026	0.6	6.5
500	5850	5884	5818	-5.5	4.0	-12.3	-14.9	045	0.2	6.4
450	6667	6705	6632	-10.1	-2.9	-19.3	-19.2	105	0.2	6.4
400	7568	7608	7524	-15.7	-8.9	-26.7	-24.6	148	0.4	6.3
350	8562	8610	8510	-22.5	-14.7	-34.9	-30.2	122	0.8	6.2
300	9679	9743	9614	-30.7	-21.7	-43.5	-37.9	108	1.7	6.4
250	10947	11031	10871	-40.9	-28.3	-54.3	-47.7	108	3.4	7.9
200	12424	12536	12333	-53.5	-41.9	-68.9		106	6.9	10.7
175	13268	13398	13176	-60.7	-45.9	-74.7		104	9.4	12.9
150	14206	14382	14103	-68.6	-56.3	-79.5		099	12.0	15.1
125	15272	15479	15159	-76.1	-64.1	-86.5		098	13.0	15.6
100	16544	16786	16395	-80.7	-65.1	-90.9		094	11.7	14.1
80	17806	18107	17644	-78.4	-67.1	-90.0		093	8.0	11.0
70	18583	18905	18412	-74.3	-60.7	-88.0		091	5.6	9.4
60	19489	19885	19291	-69.3	-57.7	-87.0		095	3.4	9.2
50	20584	20905	20346	-64.4	-47.3	-82.0		108	4.7	12.0
40	21969	22314	21587	-59.1	-41.9	-71.0		097	7.0	14.3
30	23794	24184	23388	-54.3	-42.5	-68.0		091	12.6	18.6
25	24981	25420	24620	-51.0	-35.7	-66.0		090	14.1	19.0
20	26445	26893	26125	-48.0	-38.3	-60.3				
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
569	4820	5240	4440				100	16550	-82.9

NORMALS OF RADIOSONDE DATA

MONTH : JUNE TIME : 0530 IST STATION : MINICOY

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1008	1009	1007	27.2	29.2	22.6	24.3	271	6.0	6.4
1000	70	81	55	26.8	29.2	22.8	24.0	271	7.2	7.7
950	510	531	473	24.2	29.4	15.2	21.0	274	10.1	10.7
925	757	764	750	22.7	28.0	16.8	19.0	275	11.2	12.0
900	995	1003	981	21.3	26.6	13.4	17.5	279	12.1	12.8
850	1488	1498	1474	18.3	25.0	8.8	13.7	282	12.6	13.2
800	2007	2017	1991	15.4	25.0	8.8	9.6	283	11.9	12.6
750	2543	2565	2513	12.5	19.4	3.0	5.3	282	10.7	11.7
700	3128	3144	3110	9.3	16.0	1.0	0.7	278	9.8	10.8
650	3737	3757	3711	5.9	15.0	-0.7	-3.5	276	9.0	10.3
600	4390	4414	4373	2.3	9.2	-4.9	-7.2	274	8.1	9.7
550	5089	5118	5059	-1.4	7.6	-8.7	-10.7	271	7.4	9.1
500	5844	5872	5819	-5.5	3.2	-17.9	-14.7	270	6.2	8.5
450	6661	6703	6621	-10.3	-3.3	-19.9	-19.1	267	4.1	7.7
400	7563	7612	7521	-16.0	-9.7	-27.1	-23.9	263	1.3	6.8
350	8555	8619	8505	-22.8	-15.7	-35.3	-30.1	085	2.7	7.4
300	9670	9756	9604	-31.0	-21.5	-44.7	-38.2	081	6.9	9.5
250	10937	11047	10855	-41.4	-30.9	-54.1	-47.5	081	12.1	13.9
200	12412	12551	12312	-54.0	-40.3	-65.3	-60.5	084	20.0	21.6
175	13254	13410	13143	-61.3	-47.5	-72.3		085	25.1	26.1
150	14189	14381	14071	-68.8	-53.3	-78.3		087	31.0	31.9
125	15253	15527	15129	-76.3	-61.3	-88.0		091	33.7	34.6
100	16520	16877	16382	-79.2	-64.5	-91.0		095	25.1	26.1
80	17793	18044	17626	-75.6	-61.5	-86.0		092	13.9	15.6
70	18571	18907	18402	-72.4	-61.0	-84.0		094	11.4	13.3
60	19487	19824	19290	-68.2	-56.3	-79.0		094	10.2	12.3
50	20593	20959	20348	-63.8	-51.0	-75.1		094	10.6	13.0
40	21970	22369	21731	-59.7	-46.5	-70.3		090	12.8	15.7
30	23798	24212	23586	-55.0	-43.9	-64.1		092	19.2	21.3
25	24963	25388	24746	-52.4	-40.3	-63.3				
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
568	4830	5320	4480				106	16210	-81.4

NORMALS OF RADIOSONDE DATA

MONTH : JULY TIME : 0530 IST STATION : MINICOY

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1008	1010	1007	26.8	29.6	22.8	23.6	278	5.8	6.3
1000	75	93	62	26.4	29.0	22.8	23.5	279	7.3	7.8
950	517	541	480	23.6	29.0	17.2	20.2	283	10.4	11.0
925	759	765	748	22.2	27.4	16.6	17.9	283	12.8	13.4
900	998	1017	987	20.7	26.6	14.8	16.5	288	12.9	13.5
850	1491	1510	1481	17.7	24.0	12.2	12.6	292	14.0	14.6
800	2008	2027	1997	14.8	26.0	9.0	8.7	292	13.3	13.8
750	2545	2568	2508	11.8	22.4	5.2	4.7	289	11.5	12.2
700	3127	3144	3110	8.8	20.0	2.2	0.1	285	9.7	10.5
650	3735	3755	3706	5.4	11.4	-1.1	-3.7	283	8.0	8.9
600	4387	4410	4367	1.9	8.2	-4.7	-7.0	279	6.2	7.6
550	5085	5120	5050	-1.8	4.0	-10.0	-10.4	275	5.0	7.2
500	5838	5872	5814	-5.9	3.6	-14.0	-14.6	270	3.6	6.9
450	6656	6704	6620	-10.7	-1.5	-18.5	-19.4	248	1.3	6.4
400	7555	7607	7513	-16.4	-6.5	-24.9	-24.4	113	2.2	6.8
350	8544	8599	8495	-23.4	-12.7	-33.1	-30.8	096	5.9	8.1
300	9657	9742	9592	-31.7	-19.3	-42.9	-38.8	089	10.2	11.5
250	10919	11030	10839	-42.2	-26.3	-53.9	-48.3	087	15.7	16.9
200	12387	12538	12289	-54.7	-41.1	-66.5	-61.3	087	24.2	25.1
175	13224	13427	13119	-61.8	-49.1	-74.9		087	30.4	31.2
150	14157	14407	14049	-69.2	-55.1	-79.0		087	36.8	37.5
125	15223	15519	15100	-76.0	-57.5	-88.0		091	38.0	39.1
100	16500	16839	16362	-76.9	-60.9	-90.0		095	26.0	27.1
80	17786	18130	17647	-72.6	-61.7	-84.9		093	16.5	17.5
70	18572	18929	18417	-70.1	-54.7	-89.1		093	14.5	15.3
60	19496	19855	19339	-66.5	-52.1	-79.0		094	14.4	15.5
50	20609	20990	20446	-63.2	-50.3	-73.7		091	14.8	16.1
40	21998	22389	21756	-59.5	-45.5	-68.7		093	17.0	18.1
30	23795	24237	23473	-55.7	-42.9	-64.1		093	23.1	24.2
25	24952	25447	24610	-53.1	-41.1	-63.0		093	25.3	26.0
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
573	4750	5200	4410				111	15910	-80.0

NORMALS OF RADIOSONDE DATA

MONTH : AUGUST TIME : 0530 IST STATION : MINICOY

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1009	1010	1007	26.4	29.0	23.4	23.4	286	5.1	5.6
1000	81	93	66	26.0	29.0	23.0	23.4	289	6.7	7.2
950	520	546	482	23.3	29.8	17.8	20.1	292	9.1	9.7
925	768	777	761	21.9	26.0	16.6	17.9	292	10.6	11.2
900	1003	1015	989	20.3	26.0	15.0	16.5	295	10.9	11.5
850	1495	1508	1480	17.4	24.8	12.2	12.9	298	11.5	12.0
800	2012	2027	1996	14.6	22.2	8.6	9.0	297	10.8	11.4
750	2548	2573	2514	11.8	19.4	5.2	4.8	294	9.7	10.3
700	3130	3151	3107	8.7	17.6	1.6	0.3	290	8.4	9.1
650	3738	3765	3709	5.4	15.8	0.8	-3.5	284	6.9	7.9
600	4390	4418	4364	1.9	11.0	-5.1	-7.2	280	5.6	7.1
550	5087	5118	5053	-1.8	8.0	-9.7	-10.9	277	4.4	6.4
500	5841	5873	5810	-6.0	3.6	-13.7	-15.3	267	2.7	5.9
450	6659	6700	6621	-10.7	-1.3	-19.5	-20.0	225	0.4	6.1
400	7557	7596	7512	-16.4	-6.7	-25.7	-25.4	099	2.1	6.2
350	8546	8604	8491	-23.5	-14.0	-33.7	-32.0	094	5.3	7.6
300	9659	9732	9590	-31.9	-23.1	-44.1	-39.4	095	9.5	11.1
250	10920	11017	10835	-42.3	-32.9	-56.5	-48.9	094	14.9	16.1
200	12389	12515	12282	-54.8	-43.9	-73.1		091	24.6	25.4
175	13225	13371	13112	-61.8	-51.1	-80.3		090	30.7	31.4
150	14162	14333	14037	-69.0	-58.7	-86.5		091	35.5	36.5
125	15225	15427	15068	-75.7	-65.3	-86.3		093	35.3	36.1
100	16505	16733	16368	-76.3	-66.3	-89.0		094	22.0	23.1
80	17800	18035	17665	-72.3	-62.1	-86.0		092	13.7	15.0
70	18592	18969	18455	-69.3	-56.3	-84.0		093	13.8	14.8
60	19517	19781	19377	-66.1	-51.5	-82.0		094	13.2	14.6
50	20628	20931	20482	-62.6	-46.3	-76.0		092	14.7	16.3
40	22015	22386	21824	-59.3	-41.5	-68.5		094	16.7	18.0
30	23835	24274	23644	-55.7	-35.3	-66.3		094	20.7	21.7
25	24985	25452	24795	-53.7	-39.1	-63.7		095	22.2	23.1
20	26406	26991	26215	-51.8	-35.1	-61.5				
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
574	4750	5100	4360				112	15870	-79.2

NORMALS OF RADIOSONDE DATA

MONTH : SEPTEMBER TIME : 0530 IST STATION : MINICOY

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1009	1010	1007	26.4	30.0	22.6	23.6	298	4.0	4.6
1000	83	93	66	26.0	28.8	22.0	23.2	298	5.3	5.9
950	523	555	482	23.3	30.6	18.0	19.9	301	6.9	7.5
925	770	777	760	21.8	27.6	18.4	17.5	300	7.6	8.2
900	1005	1016	987	20.4	29.6	14.4	16.4	301	7.5	8.1
850	1497	1509	1480	17.6	23.8	9.4	12.8	300	7.4	8.0
800	2014	2028	1997	14.7	25.0	8.0	8.9	296	7.0	7.8
750	2551	2573	2515	11.9	21.0	6.2	4.6	292	6.5	7.5
700	3133	3156	3114	8.9	17.4	2.0	0.2	288	6.0	7.2
650	3743	3772	3717	5.5	16.2	-1.0	-4.1	285	5.5	6.9
600	4394	4423	4374	2.0	9.8	-4.1	-7.3	284	4.1	6.2
550	5092	5125	5068	-1.8	7.4	-10.3	-10.8	286	2.7	5.4
500	5845	5881	5818	-6.0	3.2	-13.5	-15.3	300	0.9	4.9
450	6662	6710	6622	-10.8	0.0	-20.0	-19.9	092	1.3	5.2
400	7560	7618	7516	-16.5	-7.3	-32.5	-25.7	096	3.4	6.1
350	8548	8627	8498	-23.4	-12.1	-34.7	-32.3	098	5.6	7.4
300	9662	9757	9596	-31.9	-19.3	-44.5	-40.3	101	8.7	9.8
250	10924	11041	10843	-42.2	-26.7	-55.1	-49.6	100	13.8	14.7
200	12394	12538	12296	-54.7	-40.7	-67.3		095	20.3	21.1
175	13234	13402	13128	-61.6	-49.3	-71.1		094	24.5	25.4
150	14170	14345	14056	-69.0	-55.7	-79.3		095	27.8	28.7
125	15232	15449	15112	-75.6	-63.9	-84.0		096	26.8	27.8
100	16515	16768	16383	-76.8	-65.7	-86.5		098	16.0	17.4
80	17807	18086	17671	-72.4	-58.7	-85.0		093	11.6	13.0
70	18596	18949	18425	-69.3	-54.7	-84.0		094	10.5	12.0
60	19516	19893	19336	-65.8	-49.9	-82.0		095	10.9	12.6
50	20630	21017	20436	-62.4	-44.5	-78.0		092	11.6	13.7
40	22004	22417	21815	-59.5	-43.9	-72.0		092	14.4	15.6
30	23818	24255	23600	-55.4	-38.9	-71.0		097	16.5	17.9
25	24969	25445	24763	-53.6	-40.1	-69.0		096	16.1	18.0
20	26408	26901	26212	-50.6	-36.3	-64.7		093	18.5	20.4
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
573	4770	5170	4440				110	16000	-79.3

NORMALS OF RADIOSONDE DATA

MONTH : OCTOBER TIME : 0530 IST STATION : MINICOY

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1009	1011	1008	26.0	28.2	21.0	23.4	284	2.4	3.2
1000	83	96	69	25.7	28.0	21.0	23.2	285	3.2	4.3
950	521	548	480	23.4	33.0	18.0	20.3	288	4.1	5.7
925	767	781	753	21.8	26.0	16.8	17.8	284	4.8	6.7
900	1005	1020	991	20.5	30.4	14.0	16.6	290	3.9	5.9
850	1498	1513	1482	17.7	29.0	10.2	12.7	291	3.4	6.1
800	2015	2031	1995	14.9	26.2	8.0	8.8	293	2.7	6.2
750	2552	2577	2522	11.9	22.0	4.4	4.5	295	2.6	6.3
700	3134	3153	3108	8.9	16.0	2.0	0.5	292	2.7	6.2
650	3745	3765	3716	5.5	12.0	-3.0	-3.1	287	2.2	5.9
600	4395	4419	4365	2.0	9.8	-8.7	-6.6	281	1.6	5.5
550	5094	5140	5059	-1.8	6.0	-12.3	-10.5	278	0.6	5.3
500	5845	5884	5808	-6.1	2.4	-15.7	-14.8	081	0.4	5.1
450	6664	6730	6619	-10.8	-2.1	-20.9	-19.8	097	1.5	5.4
400	7562	7623	7513	-16.5	-6.9	-30.5	-25.7	093	2.5	5.5
350	8552	8623	8493	-23.4	-14.3	-36.7	-32.1	099	3.5	6.0
300	9664	9754	9594	-32.0	-21.9	-46.7	-40.0	103	5.8	7.6
250	10924	11039	10842	-42.4	-29.1	-56.9	-49.5	102	9.1	10.8
200	12392	12540	12289	-54.9	-40.5	-68.1		098	13.5	15.6
175	13231	13382	13115	-62.1	-48.5	-74.7		099	15.5	17.6
150	14164	14361	14038	-69.5	-56.1	-80.5		102	16.2	18.2
125	15230	15472	15078	-76.3	-63.5	-86.0		106	13.8	16.1
100	16501	16767	16339	-79.9	-67.5	-89.3		096	8.8	11.2
80	17770	18069	17613	-76.0	-60.9	-88.0		092	6.2	9.2
70	18551	18869	18387	-72.5	-58.3	-87.0		094	5.9	9.1
60	19460	19765	19305	-69.0	-53.9	-83.0		092	6.9	9.8
50	20555	20940	20402	-65.1	-48.1	-80.1		097	10.0	12.8
40	21931	22341	21755	-60.7	-45.1	-73.1		099	12.7	15.1
30	23738	24206	23511	-56.0	-42.1	-70.1		099	15.1	17.6
25	24900	25404	24664	-53.3	-40.5	-67.3		098	15.5	19.2
20	26340	26922	26019	-50.2	-37.5	-64.9		099	15.7	20.0
15										
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FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
573	4750	5170	4460				105	16240	-81.4

NORMALS OF RADIOSONDE DATA

MONTH : NOVEMBER TIME : 0530 IST STATION : MINICOY

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1009	1011	1008	25.6	29.4	21.0	23.1	300	0.8	2.0
1000	85	96	71	25.3	28.8	20.0	22.7	310	1.1	3.0
950	522	545	478	23.3	30.6	16.6	19.9	329	1.5	4.4
925	767	779	759	22.0	29.6	17.4	17.4	356	1.6	4.6
900	1006	1019	990	20.6	28.8	14.0	15.8	014	1.2	4.7
850	1498	1515	1483	17.7	27.6	11.8	11.8	044	1.3	5.1
800	2015	2035	1999	14.7	24.8	9.4	8.0	052	1.5	5.4
750	2553	2583	2518	11.9	22.8	6.0	3.9	050	1.1	5.3
700	3134	3162	3116	9.0	20.8	3.8	-0.2	047	0.7	5.2
650	3745	3776	3723	5.7	18.6	0.0	-3.6	070	0.5	5.2
600	4395	4431	4374	2.2	14.6	-3.9	-6.7	092	1.2	5.4
550	5094	5133	5061	-1.5	10.0	-8.1	-10.5	086	2.1	5.8
500	5847	5889	5820	-5.7	5.2	-13.7	-14.7	081	3.0	6.4
450	6665	6713	6624	-10.5	0.0	-17.3	-19.5	084	3.7	6.7
400	7564	7617	7522	-16.3	-5.5	-23.3	-25.6	084	3.8	6.7
350	8553	8608	8501	-23.3	-13.1	-30.9	-32.0	091	3.8	6.8
300	9667	9755	9605	-31.8	-21.7	-41.1	-39.9	104	4.3	7.4
250	10928	11041	10854	-42.2	-31.1	-53.1		120	6.1	9.3
200	12398	12553	12307	-54.7	-42.3	-66.3		124	8.1	12.0
175	13236	13396	13139	-61.7	-50.7	-73.0		125	8.1	12.3
150	14172	14352	14069	-69.0	-56.5	-81.7		129	6.6	11.3
125	15236	15448	15103	-76.5	-65.0	-88.1		116	4.3	9.1
100	16497	16759	16294	-81.7	-69.9	-91.3		100	5.6	8.6
80	17756	18111	17566	-77.7	-60.9	-89.5		092	4.9	7.8
70	18536	18946	18348	-73.6	-57.1	-86.1		091	4.3	8.0
60	19444	19852	19275	-69.5	-51.5	-81.5		093	5.4	9.9
50	20537	20983	20334	-65.3	-52.3	-78.1		098	8.2	12.0
40	21902	22394	21710	-60.9	-44.5	-76.1		099	11.0	14.6
30	23709	24213	23488	-55.4	-40.7	-75.1		102	11.7	17.0
25	24868	25375	24637	-52.8	-36.3	-74.5		102	10.3	18.6
20	26332	26823	26090	-49.9	-35.7	-73.9				
15										
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FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
570	4810	5270	4420				101	16480	-83.7

NORMALS OF RADIOSONDE DATA

MONTH : DECEMBER TIME : 0530 IST STATION : MINICOY

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1010	1012	1009	25.2	28.2	20.0	22.7	037	0.9	1.8
1000	92	105	82	25.0	28.6	19.0	22.2	037	1.4	2.9
950	530	562	488	23.0	31.2	17.4	18.9	050	2.4	4.1
925	776	790	764	21.4	25.6	15.8	15.7	066	2.6	4.6
900	1012	1027	998	20.2	29.2	14.4	14.5	070	3.3	5.0
850	1503	1519	1487	17.3	26.0	11.8	10.2	075	3.6	5.4
800	2019	2033	2000	14.4	22.0	8.4	5.9	078	3.3	5.3
750	2557	2575	2533	11.7	18.6	5.0	2.0	086	3.0	5.3
700	3137	3154	3115	8.9	16.6	3.3	-1.8	091	2.9	5.3
650	3748	3774	3718	5.7	14.4	-4.3	-5.4	092	3.4	5.7
600	4398	4420	4373	2.1	10.6	-6.5	-8.9	092	4.3	6.4
550	5095	5120	5064	-1.8	6.4	-8.5	-12.6	091	4.8	6.9
500	5847	5879	5810	-6.1	2.2	-13.9	-17.0	092	5.2	7.5
450	6663	6704	6619	-11.0	0.8	-18.9	-21.4	088	5.0	7.6
400	7560	7613	7505	-16.8	-8.1	-25.7	-27.2	086	4.3	7.7
350	8548	8614	8484	-23.9	-13.1	-35.1	-33.5	095	3.1	7.9
300	9658	9739	9578	-32.4	-22.5	-42.1	-41.2	140	3.1	8.3
250	10917	11025	10823	-42.7	-32.1	-52.1		160	4.6	9.6
200	12383	12531	12275	-55.1	-39.7	-64.3		172	5.1	11.5
175	13219	13390	13107	-62.1	-50.1	-72.5		177	4.9	12.0
150	14154	14381	14035	-69.1	-56.1	-81.5		196	3.7	11.6
125	15219	15447	15092	-76.0	-61.1	-88.5		213	2.0	10.4
100	16483	16760	16331	-81.7	-66.7	-91.3		090	2.4	8.6
80	17732	18006	17568	-79.7	-64.3	-93.1		093	4.4	8.3
70	18497	18865	18326	-75.5	-59.5	-89.7		087	3.9	8.6
60	19396	19746	19224	-70.8	-55.5	-86.5		097	3.4	9.6
50	20484	20793	20308	-66.0	-50.3	-83.1		099	3.4	10.5
40	21843	22097	21673	-61.2	-44.9	-76.5		109	3.4	11.4
30	23642	23950	23448	-55.7	-38.9	-73.5		103	4.6	14.5
25	24781	25165	24608	-53.5	-37.7	-73.5		092	2.5	15.8
20	26231	26882	26017	-50.7	-36.9	-71.7				
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
571	4780	5180	4420				097	16670	-83.8

NORMALS OF RADIOSONDE DATA

MONTH : JANUARY TIME : 0530 IST STATION : MOHANBARI (DBH)

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1003	1005	1001	10.2	16.6	4.2	9.4	048	0.3	0.4
1000	138	152	122	10.5	16.6	5.0	9.2	044	0.9	1.1
950	545	581	514	13.9	23.8	6.2	8.0	046	2.7	3.2
925	774	806	752	12.6	18.2	6.0	7.1	052	1.8	2.6
900	1025	1041	1004	11.7	20.4	4.2	4.8	053	1.6	2.6
850	1501	1525	1478	8.9	17.8	1.6	1.3	091	0.7	2.8
800	2001	2027	1974	5.7	15.2	-2.3	-2.2	167	0.7	3.2
750	2521	2542	2501	2.0	9.8	-5.7	-5.6	191	1.3	3.9
700	3080	3114	3043	-1.6	9.0	-9.3	-9.1	224	2.0	4.9
650	3664	3709	3624	-5.0	9.2	-13.1	-13.0	250	4.3	6.8
600	4294	4344	4245	-7.6	9.6	-16.7	-17.1	259	8.9	10.9
550	4984	5039	4935	-10.0	5.8	-20.5	-21.6	265	14.2	15.8
500	5699	5764	5652	-13.9	1.2	-25.1	-26.3	268	18.2	19.6
450	6497	6567	6442	-19.0	0.2	-32.7	-31.0	270	23.3	24.6
400	7361	7440	7292	-25.0	-5.5	-40.5		270	28.2	29.8
350	8322	8418	8225	-31.0	-11.9	-46.1		270	34.8	36.6
300	9401	9541	9278	-37.6	-19.3	-53.5		269	40.8	43.5
250	10638	10800	10490	-44.8	-30.1	-58.3		265	47.1	49.7
200	12104	12264	11927	-52.7	-41.1	-67.1		263	50.6	53.2
175	12949	13157	12780	-56.9	-45.3	-73.3				
150	13917	14171	13748	-61.1	-49.3	-72.7				
125	15031	15293	14874	-65.4	-53.5	-76.5				
100	16380	16566	16220	-69.4	-57.1	-81.7				
80	17716	17918	17546	-69.3	-57.9	-82.7				
70	18518	18731	18338	-67.6	-54.1	-80.7				
60	19449	19753	19190	-64.3	-50.3	-75.1				
50	20588	20932	20278	-59.8	-47.5	-72.7				
40	21999	22407	21633	-56.0	-44.9	-65.7				
30										
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
719	2870	3350	2380				102	16340	-71.0

NORMALS OF RADIOSONDE DATA

MONTH : FEBRUARY TIME : 0530 IST STATION : MOHANBARI (DBH)

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1001	1003	997	13.2	20.2	6.0	11.7	044	0.9	1.0
1000	119	135	88	13.1	19.6	6.8	11.3	043	1.2	1.3
950	533	570	500	15.3	23.2	6.2	9.6	049	3.2	4.0
925	767	799	725	14.6	22.6	5.2	8.6	055	2.1	3.4
900	1011	1033	982	13.0	21.4	4.0	6.4	069	1.0	3.1
850	1490	1515	1460	9.9	17.8	1.0	3.6	204	1.5	3.5
800	1991	2023	1959	6.4	14.6	-2.9	0.3	218	2.9	4.6
750	2513	2556	2474	2.7	11.6	-5.1	-3.1	229	4.2	5.7
700	3073	3118	3039	-1.0	7.8	-10.9	-6.9	239	5.0	6.6
650	3655	3712	3596	-4.6	4.0	-11.9	-10.7	250	6.9	8.3
600	4289	4346	4247	-7.8	2.8	-17.1	-14.6	258	10.2	11.7
550	4975	5046	4921	-10.5	4.8	-20.9	-19.8	264	15.0	16.7
500	5692	5764	5630	-14.2	0.2	-26.1	-25.2	265	18.3	20.0
450	6487	6561	6416	-19.3	-5.1	-30.9	-30.4	267	21.2	22.7
400	7351	7431	7259	-25.3	-10.5	-37.5	-36.2	268	25.2	26.8
350	8310	8416	8203	-31.8	-11.7	-43.7		267	30.7	32.6
300	9380	9483	9262	-38.3	-23.9	-51.7		267	38.1	40.2
250	10620	10797	10495	-44.6	-29.3	-58.7		265	45.1	47.6
200	12090	12238	11932	-51.9	-36.7	-63.3		264	46.5	48.9
175	12948	13115	12810	-55.8	-42.9	-65.3				
150	13916	14113	13775	-60.2	-47.9	-69.7				
125	15039	15311	14906	-64.9	-55.1	-73.9				
100	16388	16930	16247	-68.7	-57.1	-79.9				
80	17709	17907	17576	-69.5	-55.1	-81.3				
70	18515	18677	18377	-67.9	-49.5	-79.9				
60	19448	19619	19314	-64.6	-51.7	-77.9				
50	20569	20743	20404	-60.5	-45.1	-79.3				
40	21979	22166	21851	-56.1	-40.9	-70.1				
30	23800	24030	23571	-53.0	-35.9	-71.1				
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
711	2940	3500	2460				101	16400	-70.4

NORMALS OF RADIOSONDE DATA

MONTH : MARCH TIME : 0530 IST STATION : MOHANBARI (DBH)

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	998	1003	995	16.7	23.6	9.6	14.7	047	1.4	1.6
1000	98	133	66	15.8	20.2	11.2	13.2	046	1.6	1.7
950	517	544	490	17.8	26.0	8.2	11.9	052	4.1	5.0
925	749	772	722	16.8	23.6	7.4	11.2	066	2.9	4.5
900	1000	1029	972	15.7	23.0	6.6	8.9	080	1.7	4.2
850	1483	1508	1458	12.7	19.6	5.0	6.4	207	2.2	4.4
800	1990	2011	1967	9.3	16.8	2.2	3.4	227	4.6	5.8
750	2516	2530	2492	5.6	12.8	-1.3	0.5	236	6.5	7.5
700	3084	3098	3065	1.8	9.6	-5.5	-3.1	242	8.1	9.0
650	3671	3688	3652	-1.9	6.8	-11.3	-7.4	248	9.2	10.2
600	4311	4331	4291	-5.3	3.4	-14.1	-11.5	256	11.0	12.2
550	5004	5037	4964	-8.4	3.2	-16.9	-16.1	264	14.1	15.4
500	5727	5750	5693	-12.2	-2.9	-22.3	-22.0	267	16.4	17.9
450	6527	6564	6485	-17.5	-7.1	-28.9	-27.8	269	18.6	20.3
400	7398	7427	7352	-23.9	-12.3	-36.1	-34.1	269	21.6	23.2
350	8363	8408	8319	-30.7	-18.3	-44.3	-40.5	269	26.3	28.3
300	9441	9497	9397	-38.0	-23.1	-50.9		267	31.5	34.4
250	10678	10770	10594	-45.5	-31.5	-58.7		265	39.3	41.8
200	12143	12262	11968	-52.5	-41.3	-66.3		263	43.2	45.2
175	12997	13113	12912	-56.2	-43.5	-68.9		262	41.3	43.9
150	13964	14116	13873	-60.1	-44.7	-72.1		263	39.2	40.5
125	15089	15334	14914	-64.5	-51.1	-75.3				
100	16437	16795	16320	-68.5	-57.3	-78.3				
80	17769	17919	17693	-69.1	-56.1	-80.3				
70	18576	18721	18478	-67.6	-54.9	-81.1				
60	19508	19655	19383	-64.5	-48.3	-79.3				
50	20626	20831	20478	-60.2	-49.7	-76.1				
40	22028	22248	21818	-55.9	-45.1	-75.3				
30	23884	24188	23583	-51.6	-39.1	-72.5				
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
674	3380	3680	3140	216	11640	-55.6	102	16380	-70.2

NORMALS OF RADIOSONDE DATA

MONTH : APRIL TIME : 0530 IST STATION : MOHANBARI (DBH)

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	996	999	994	19.7	26.0	13.2	17.6	047	1.5	1.7
1000	78	101	57							
950	501	534	465	20.0	28.6	13.6	15.4	057	4.2	5.0
925	744	765	724	19.5	26.8	13.0	14.3	068	3.0	4.3
900	987	1007	968	18.1	28.8	9.8	12.9	081	2.0	4.1
850	1475	1492	1454	15.4	25.6	7.8	10.3	199	1.8	4.3
800	1987	2005	1964	12.3	21.6	5.6	7.7	225	4.1	5.6
750	2520	2547	2496	8.9	17.4	2.4	4.5	237	5.8	7.1
700	3094	3118	3064	5.3	13.6	-2.3	0.8	244	7.3	8.5
650	3693	3725	3661	1.6	10.2	-6.5	-3.2	249	7.6	9.1
600	4338	4367	4308	-1.9	6.8	-9.9	-7.5	253	8.4	10.1
550	5036	5086	5009	-5.5	3.0	-13.3	-12.1	258	8.7	10.8
500	5769	5805	5736	-9.7	-0.1	-19.1	-18.0	263	9.4	11.8
450	6577	6621	6538	-14.7	-6.7	-25.1	-24.0	267	10.5	12.9
400	7458	7504	7411	-21.0	-10.9	-33.7	-30.0	270	12.4	14.9
350	8434	8495	8378	-27.9	-16.9	-40.1	-36.7	268	16.2	18.8
300	9525	9591	9459	-35.4	-23.5	-48.1	-43.1	267	21.2	23.9
250	10775	10870	10689	-43.6	-30.3	-58.1		268	28.6	30.8
200	12246	12375	12132	-52.2	-40.7	-67.9		266	33.1	35.2
175	13101	13244	12988	-56.3	-44.7	-69.9		267	33.2	34.8
150	14072	14239	13958	-60.5	-48.1	-71.7		269	30.6	32.2
125	15190	15357	15056	-65.2	-52.3	-74.5				
100	16533	16714	16439	-69.9	-60.5	-80.5				
80	17858	18036	17761	-71.1	-58.5	-82.9				
70	18658	18833	18538	-69.5	-57.3	-81.7				
60	19591	19819	19459	-66.1	-53.5	-77.7				
50	20702	20941	20546	-61.6	-48.5	-76.5				
40	22105	22343	21924	-56.5	-44.5	-68.9				
30	23947	24206	23702	-51.9	-37.9	-68.9				
25	25107	25385	24878	-49.5	-35.9	-68.9				
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
626	3990	4300	3580	202	12180	-57.3	095	16880	-72.3

NORMALS OF RADIOSONDE DATA

MONTH : MAY TIME : 0530 IST STATION : MOHANBARI (DBH)

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	994	996	991	22.9	29.8	17.6	20.7	043	1.2	1.5
1000	55	78	29							
950	484	510	452	22.6	32.0	15.0	18.8	058	3.1	4.1
925	729	744	696	21.9	29.6	14.6	18.1	073	2.5	3.8
900	974	994	947	20.6	29.0	11.6	16.3	085	1.6	3.5
850	1466	1481	1440	18.0	26.8	10.4	13.6	195	1.5	3.8
800	1984	1999	1957	15.0	23.4	8.2	10.7	220	3.0	4.7
750	2521	2545	2485	11.7	20.8	5.4	7.2	230	4.0	5.6
700	3103	3131	3081	8.4	17.2	-2.1	3.8	238	4.8	6.4
650	3710	3743	3679	5.0	13.2	-3.5	0.1	243	4.8	6.4
600	4363	4400	4339	1.5	10.0	-5.3	-3.8	248	5.1	7.0
550	5071	5103	5030	-2.1	5.4	-8.3	-8.4	253	5.9	8.2
500	5814	5858	5781	-6.1	2.0	-14.7	-13.5	258	6.7	9.3
450	6636	6683	6605	-10.7	-1.3	-18.3	-19.1	262	7.8	10.5
400	7529	7580	7503	-16.3	-6.7	-25.1	-25.1	264	9.5	12.3
350	8522	8574	8482	-22.7	-10.7	-33.1	-31.4	262	12.8	15.5
300	9637	9693	9604	-30.2	-16.3	-42.9	-38.5	260	17.4	19.5
250	10909	10968	10864	-39.0	-29.1	-50.5	-46.2	261	22.6	24.3
200	12408	12497	12346	-49.5	-39.1	-59.7		263	26.0	27.6
175	13270	13370	13204	-55.4	-44.3	-65.3		264	25.1	26.8
150	14236	14361	14165	-61.4	-51.3	-72.3		266	21.8	23.9
125	15345	15495	15016	-67.7	-55.9	-81.1		271	16.7	19.1
100	16668	16819	16535	-73.1	-61.7	-86.3		278	9.8	13.3
80	17969	18205	17811	-73.3	-58.5	-84.7		304	2.9	8.5
70	18756	18891	18571	-70.5	-55.5	-83.5				
60	19679	19847	19490	-66.3	-52.5	-76.9				
50	20801	20932	20650	-60.7	-44.5	-74.0				
40	22209	22336	22020	-55.1	-40.9	-67.9				
30	24052	24180	23727	-50.2	-35.3	-62.3				
25	25231	25550	24990	-48.3	-34.7	-60.3				
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
579	4660	5000	4300				099	16800	-74.5

NORMALS OF RADIOSONDE DATA

MONTH : JUNE TIME : 0530 IST STATION : MOHANBARI (DBH)

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	990	992	987	25.1	34.6	21.4	23.8	047	1.0	1.3
1000	20	39	1							
950	454	490	414	24.5	31.2	18.6	21.8	066	2.2	4.0
925	705	725	681	23.5	29.8	17.4	20.4	105	1.6	3.8
900	945	964	921	22.6	29.8	15.0	19.3	145	1.1	4.0
850	1442	1461	1417	20.1	28.0	12.8	16.8	211	2.5	4.6
800	1964	1982	1939	17.2	24.6	10.4	13.9	220	3.6	5.3
750	2511	2533	2490	14.2	22.0	7.4	10.8	227	4.1	5.9
700	3094	3117	3069	11.2	19.8	3.8	7.5	231	4.7	6.5
650	3709	3738	3681	8.1	16.8	0.0	3.8	231	4.3	6.2
600	4369	4400	4344	4.7	12.8	-4.9	-0.2	235	4.6	6.7
550	5088	5133	5054	1.2	8.4	-5.9	-4.1	241	4.6	7.2
500	5837	5879	5802	-2.7	4.8	-12.5	-8.8	246	5.3	8.0
450	6673	6713	6640	-7.0	3.6	-16.5	-14.2	254	5.7	8.0
400	7578	7631	7542	-12.1	-1.1	-21.1	-20.0	258	6.1	8.4
350	8587	8646	8535	-18.2	-7.1	-28.3	-26.9	258	6.5	8.8
300	9721	9786	9670	-25.9	-17.3	-37.1	-34.4	258	7.2	9.4
250	11016	11088	10953	-35.6	-25.5	-48.1	-43.4	261	8.4	11.0
200	12529	12630	12451	-47.7	-38.3	-59.1		270	8.9	12.3
175	13397	13514	13303	-54.8	-41.7	-64.9		277	8.5	12.2
150	14366	14522	14264	-62.3	-52.7	-72.3		292	7.5	12.0
125	15470	15658	15357	-69.7	-53.9	-80.1		315	5.6	10.4
100	16783	16988	16646	-75.1	-57.9	-86.1		016	5.1	9.6
80	18083	18295	17915	-74.3	-48.5	-86.1				
70	18866	19054	18679	-71.3	-55.9	-84.1				
60	19787	19994	19557	-66.1	-49.5	-80.7				
50	20908	21181	20644	-60.3	-47.5	-74.5				
40	22315	22595	22001	-55.2	-43.1	-65.5				
30	24159	24490	23828	-50.6	-41.1	-60.1				
25	25336	25700	24973	-48.0	-37.9	-57.5				
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
535	5310	5710	4880				099	16890	-76.2

NORMALS OF RADIOSONDE DATA

MONTH : JULY TIME : 0530 IST STATION : MOHANBARI (DBH)

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	990	991	988	25.3	31.4	21.0	24.0	055	0.6	1.2
1000	19	30	9							
950	451	477	430	24.5	30.2	19.4	22.5	122	1.1	4.2
925	693	712	667	23.8	30.0	18.0	21.1	173	1.3	4.4
900	945	954	936	22.6	30.4	16.4	20.2	204	2.3	5.0
850	1443	1453	1434	20.2	27.2	12.2	17.7	220	3.6	5.6
800	1965	1978	1956	17.5	24.2	11.2	15.0	226	4.3	6.0
750	2515	2533	2489	14.7	21.0	8.0	12.0	231	4.2	5.9
700	3099	3120	3084	11.8	18.0	5.0	8.9	235	4.2	6.1
650	3716	3739	3687	8.7	14.2	2.0	5.4	231	3.5	5.7
600	4377	4403	4356	5.3	11.0	-2.1	1.7	235	3.3	5.7
550	5097	5137	5070	1.8	8.0	-4.7	-2.1	238	3.1	5.7
500	5850	5884	5819	-2.0	4.2	-8.3	-6.3	249	2.5	5.9
450	6687	6737	6643	-6.3	0.6	-13.7	-11.9	267	1.6	5.3
400	7597	7645	7547	-11.3	-3.7	-20.5	-17.9	274	1.4	5.6
350	8610	8690	8535	-17.3	-6.5	-28.1	-25.1	314	0.7	5.7
300	9749	9827	9661	-25.1	-13.9	-37.9	-33.4	014	1.1	6.1
250	11050	11149	10934	-34.8	-19.1	-50.1	-43.0	030	2.3	7.2
200	12569	12656	12416	-47.2	-36.5	-62.3		040	3.4	8.6
175	13438	13546	13258	-54.4	-43.3	-69.7		041	4.9	9.7
150	14407	14563	14242	-62.1	-49.3	-72.5		042	6.8	11.3
125	15510	15692	15327	-69.8	-56.1	-79.5		050	8.8	12.1
100	16818	16957	16623	-74.7	-62.5	-85.3		060	12.7	14.0
80	18124	18273	17915	-73.1	-59.3	-85.5				
70	18914	19200	18731	-69.6	-52.5	-81.5				
60	19843	20087	19618	-64.7	-47.5	-76.9				
50	20965	21281	20767	-59.5	-41.5	-71.5				
40	22371	22587	22158	-55.1	-40.9	-65.7				
30	24200	24434	23913	-51.4	-36.7	-60.7				
25	25407	25717	25020	-49.6	-38.9	-57.1				
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
526	5450	6000	5020				103	16690	-75.6

NORMALS OF RADIOSONDE DATA

MONTH : AUGUST TIME : 0530 IST STATION : MOHANBARI (DBH)

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	991	992	989	25.7	30.6	22.0	23.5	058	0.6	1.1
1000	28	49	14							
950	458	498	388	25.0	33.6	18.8	22.5	081	1.3	3.8
925	704	733	624	24.1	33.0	17.8	21.3	147	0.9	3.8
900	954	974	866	23.1	32.2	16.6	20.0	159	0.6	4.0
850	1453	1474	1367	20.6	31.6	14.0	17.6	208	1.3	4.2
800	1976	1999	1892	17.9	27.6	11.2	14.7	215	1.7	4.1
750	2524	2552	2445	15.0	23.4	8.2	11.7	215	2.1	4.4
700	3110	3138	3029	12.0	21.2	5.4	8.4	216	2.5	4.8
650	3724	3759	3649	8.7	19.2	2.6	4.8	210	2.4	4.5
600	4387	4421	4309	5.2	17.2	-0.7	1.2	211	2.3	4.8
550	5110	5138	5016	1.6	15.0	-4.7	-2.6	209	1.8	4.7
500	5857	5901	5781	-2.3	10.6	-9.7	-7.1	222	1.3	4.8
450	6695	6739	6614	-6.5	5.8	-13.7	-12.3	230	0.9	5.1
400	7603	7666	7529	-11.4	-3.7	-21.3	-18.5	249	0.2	5.0
350	8620	8695	8545	-17.4	-7.3	-25.5	-25.4	060	0.5	5.7
300	9757	9848	9676	-25.0	-15.1	-33.0	-33.5	051	1.4	6.0
250	11056	11159	10985	-34.7	-20.9	-43.0	-43.1	044	2.3	7.3
200	12571	12691	12511	-47.3	-34.9	-57.0		043	3.8	8.8
175	13440	13572	13365	-54.6	-41.9	-64.9		039	5.0	10.1
150	14408	14556	14329	-62.2	-42.7	-72.7		043	7.1	11.4
125	15510	15722	15385	-69.6	-57.7	-81.1		054	9.0	11.9
100	16827	17155	16718	-74.3	-63.9	-85.7		068	12.2	13.6
80	18134	18496	17981	-71.9	-58.5	-84.1				
70	18930	19345	18780	-68.3	-54.1	-85.7				
60	19872	20280	19646	-63.2	-52.1	-74.5				
50	21003	21446	20740	-58.3	-40.1	-68.5				
40	22413	22954	22233	-54.6	-41.1	-64.3				
30	24256	24546	24017	-50.8	-36.7	-58.3				
25	25428	25730	25177	-49.3	-35.1	-56.7				
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
529	5410	5940	5120				105	16610	-74.9

NORMALS OF RADIOSONDE DATA

MONTH : SEPTEMBER TIME : 0530 IST STATION : MOHANBARI (DBH)

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	994	996	993	24.5	29.6	20.8	23.5	046	0.8	1.1
1000	61	75	43							
950	483	522	407	23.9	30.2	17.6	21.4	063	2.0	3.4
925	719	757	641	23.4	30.2	17.0	19.9	078	1.2	3.2
900	982	998	879	21.9	28.6	14.4	18.7	108	0.8	3.4
850	1478	1497	1373	19.4	26.8	13.2	16.0	191	1.3	3.8
800	1999	2022	1892	16.6	23.8	10.4	12.9	203	2.1	4.1
750	2541	2574	2438	13.5	21.2	6.8	9.8	210	2.9	4.8
700	3126	3157	3015	10.4	18.6	4.4	6.3	218	3.5	5.3
650	3736	3776	3627	7.1	17.0	-1.1	2.7	219	3.3	5.5
600	4395	4434	4281	3.6	11.2	-3.9	-1.1	229	3.5	5.7
550	5113	5151	4990	0.1	8.0	-6.3	-5.0	241	3.9	6.2
500	5857	5904	5750	-3.7	4.6	-10.0	-9.7	251	4.6	6.8
450	6689	6754	6575	-8.1	1.0	-15.7	-15.0	258	4.6	6.5
400	7591	7655	7481	-13.3	-6.7	-21.1	-21.4	262	4.9	7.0
350	8595	8665	8481	-19.6	-10.7	-28.5	-28.3	261	5.4	7.7
300	9725	9829	9604	-27.5	-19.3	-37.9	-36.3	265	5.8	9.0
250	11012	11140	10879	-37.2	-27.7	-50.1	-45.1	272	7.1	10.8
200	12516	12699	12377	-49.4	-40.3	-61.7		284	7.9	12.5
175	13378	13598	13236	-56.4	-45.7	-67.9		286	7.7	12.8
150	14335	14553	14195	-63.6	-54.1	-75.5		290	6.2	11.6
125	15433	15693	15299	-70.5	-59.5	-86.5		303	4.4	10.0
100	16746	17178	16615	-74.5	-63.5	-86.0		354	2.4	7.8
80	18051	18248	17896	-71.7	-50.1	-82.5		068	4.1	7.6
70	18853	19083	18706	-67.2	-52.9	-84.0				
60	19792	20076	19598	-62.3	-51.3	-80.0				
50	20930	21282	20703	-57.9	-47.9	-71.9				
40	22348	22550	22088	-54.0	-42.7	-66.9				
30	24214	24438	23893	-49.9	-33.5	-62.7				
25	25402	25726	24999	-48.5	-34.9	-60.1				
20	26866	27153	26544	-46.9	-35.7	-54.9				
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
549	5120	5680	4570				105	16500	-75.3

NORMALS OF RADIOSONDE DATA

MONTH : OCTOBER TIME : 0530 IST STATION : MOHANBARI (DBH)

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	999	1001	996	21.4	27.2	15.6	20.3	045	0.7	0.9
1000	99	124	79	20.0	24.8	16.0	18.4	042	0.9	1.0
950	521	558	488	22.3	29.4	16.2	17.5	047	2.9	3.7
925	760	790	717	21.7	28.8	14.4	16.4	052	2.3	3.2
900	1016	1040	997	20.2	28.2	13.0	14.6	052	1.6	3.1
850	1507	1529	1490	17.5	25.6	10.8	11.1	095	0.6	3.0
800	2024	2042	2007	14.4	23.0	7.6	7.4	190	1.1	3.3
750	2560	2578	2531	11.0	20.8	4.2	4.0	215	2.1	4.0
700	3139	3151	3126	7.4	17.2	-0.1	0.2	225	3.2	4.7
650	3740	3759	3710	3.8	12.0	-4.5	-3.7	234	4.0	5.6
600	4392	4408	4377	0.1	9.2	-8.1	-7.3	246	5.6	7.0
550	5101	5128	5071	-3.2	8.2	-12.1	-11.3	252	9.0	10.3
500	5835	5864	5809	-6.8	3.2	-18.5	-15.4	256	11.5	12.7
450	6655	6706	6612	-11.2	-1.1	-23.7	-20.5	258	14.2	15.2
400	7547	7596	7489	-16.6	-5.9	-30.3	-25.9	260	16.8	17.8
350	8539	8598	8452	-23.1	-10.1	-36.1	-32.0	260	20.0	21.1
300	9650	9729	9549	-30.8	-18.7	-43.3	-38.3	261	22.8	23.9
250	10918	11005	10781	-40.1	-26.5	-51.7		262	25.6	26.7
200	12405	12510	12230	-51.4	-38.7	-61.1		264	27.1	28.3
175	13256	13381	13078	-57.8	-45.1	-68.9		265	26.3	27.8
150	14211	14343	14028	-64.4	-51.1	-76.1		264	23.5	24.8
125	15306	15477	15131	-70.6	-57.5	-79.3		266	19.5	20.9
100	16612	16780	16457	-74.5	-61.9	-86.9		267	11.5	12.7
80	17921	18101	17776	-71.3	-55.7	-81.5		265	5.5	8.7
70	18721	18900	18589	-67.1	-52.1	-79.9				
60	19655	19834	19527	-62.7	-46.1	-75.5				
50	20788	21004	20643	-58.6	-41.3	-78.3				
40	22203	22457	22032	-54.5	-39.1	-75.9				
30	24053	24311	23868	-51.1	-32.5	-71.5				
25	25224	25515	25016	-49.2	-34.9	-71.3				
20	26667	27034	26397	-47.8	-34.3	-69.9				
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
595	4450	4920	3790				106	16340	-75.5

NORMALS OF RADIOSONDE DATA

MONTH : NOVEMBER TIME : 0530 IST STATION : MOHANBARI (DBH)

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1002	1004	1000	16.0	22.2	8.8	14.8	045	0.5	0.5
1000	127	147	104	16.1	22.0	10.0	14.5	045	1.0	1.1
950	545	581	502	19.0	27.2	10.8	12.6	039	3.6	3.9
925	779	811	716	18.3	26.4	9.4	12.0	043	3.4	3.8
900	1031	1049	1010	17.0	27.8	8.0	9.5	048	2.8	3.3
850	1517	1536	1496	14.3	24.0	5.4	6.1	068	1.7	3.0
800	2026	2062	2000	11.2	20.6	2.2	2.5	109	0.8	2.8
750	2555	2580	2515	7.4	16.0	-1.9	-1.1	171	0.8	3.2
700	3127	3175	3100	3.7	12.0	-4.9	-5.1	226	1.3	3.9
650	3720	3755	3698	0.0	8.2	-7.9	-8.7	244	2.8	5.1
600	4361	4415	4311	-3.2	6.2	-12.3	-13.0	255	6.3	8.3
550	5060	5121	5020	-6.2	5.8	-16.5	-16.9	260	10.9	12.3
500	5789	5848	5753	-9.9	1.4	-22.3	-22.4	264	14.6	15.9
450	6597	6680	6563	-15.0	-3.5	-28.9	-27.2	265	17.9	19.3
400	7475	7556	7430	-21.1	-8.9	-34.5	-32.1	266	21.9	23.5
350	8451	8542	8381	-27.5	-14.5	-43.1		265	27.3	29.0
300	9544	9653	9438	-34.5	-22.5	-50.5		265	33.2	35.0
250	10795	10943	10662	-42.5	-31.7	-53.5		266	38.9	41.0
200	12265	12514	12099	-52.4	-39.3	-62.3		268	41.3	44.0
175	13115	13380	12944	-58.0	-46.9	-67.7		268	39.5	42.2
150	14070	14248	13905	-63.7	-51.3	-76.9		268	36.4	38.4
125	15173	15379	15014	-68.8	-55.3	-79.7		268	31.1	33.7
100	16495	16769	16354	-72.4	-61.1	-82.3				
80	17807	18119	17680	-71.6	-55.9	-83.1				
70	18599	18932	18460	-69.1	-52.3	-84.1				
60	19523	19838	19401	-64.9	-48.3	-78.5				
50	20632	20867	20515	-60.5	-44.5	-75.3				
40	22030	22338	21898	-56.0	-39.7	-70.9				
30	23858	24133	23696	-52.7	-33.9	-64.9				
25	25020	25313	24872	-50.9	-31.5	-60.9				
20	26475	26900	26251	-49.2	-30.7	-59.9				
15										
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FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
645	3790	4440	3430				104	16300	-73.4

NORMALS OF RADIOSONDE DATA

MONTH : DECEMBER TIME : 0530 IST STATION : MOHANBARI (DBH)

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1004	1005	1001	11.1	19.8	4.8	10.3	048	0.3	0.4
1000	145	159	128	11.8	19.0	5.6	10.2	043	1.2	1.3
950	557	580	533	15.7	22.4	9.0	9.3	040	3.2	3.6
925	790	807	764	14.8	21.4	8.4	8.2	043	3.1	3.4
900	1038	1052	1021	13.7	22.0	7.2	6.0	050	2.5	3.2
850	1518	1533	1502	11.1	19.0	0.0	2.3	068	1.8	3.0
800	2022	2038	2006	7.9	16.2	1.0	-1.5	102	1.1	3.0
750	2546	2571	2521	4.3	11.6	-2.9	-4.9	136	0.9	3.6
700	3109	3133	3095	0.8	10.4	-7.5	-8.8	196	0.8	4.3
650	3696	3735	3667	-2.5	8.0	-11.9	-12.9	258	2.5	5.7
600	4333	4372	4309	-5.2	8.6	-15.3	-16.3	268	7.3	9.8
550	5025	5088	4987	-8.1	5.4	-19.7	-20.3	269	12.4	14.6
500	5748	5802	5713	-12.3	0.2	-24.7	-25.4	270	16.2	17.8
450	6547	6622	6495	-17.7	-7.7	-28.5	-30.3	269	20.3	21.7
400	7417	7487	7365	-23.9	-11.5	-35.5		269	25.0	26.4
350	8380	8460	8309	-30.4	-16.9	-43.5		268	31.6	33.3
300	9460	9560	9366	-37.5	-25.1	-50.5		267	38.9	40.5
250	10697	10815	10575	-45.4	-34.1	-58.9		265	44.5	46.3
200	12160	12291	12028	-53.9	-43.3	-67.3		263	48.1	49.7
175	13007	13143	12871	-58.3	-47.3	-70.3		263	46.2	47.7
150	13965	14093	13831	-62.5	-50.1	-75.5		264	43.3	44.3
125	15076	15242	14922	-66.8	-54.5	-77.1		263	37.5	38.8
100	16417	16578	16286	-70.3	-56.9	-83.1				
80	17743	17931	17619	-70.4	-57.7	-82.5				
70	18539	18754	18413	-68.8	-55.7	-81.5				
60	19471	19708	19342	-65.4	-50.3	-79.5				
50	20603	20847	20450	-60.9	-44.1	-72.5				
40	22006	22267	21843	-56.6	-41.5	-69.5				
30	23827	24219	23643	-53.3	-38.9	-67.3				
25	24980	25380	24762	-51.8	-36.5	-66.3				
20										
15										
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FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
683	3320	4130	2840				104	16260	-71.6

NORMALS OF RADIOSONDE DATA

MONTH : JANUARY TIME : 0530 IST STATION : MUMBAI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1011	1013	1009	18.3	26.0	12.0	13.7	046	0.3	0.5
1000	107	124	94	19.7	27.2	12.8	13.0	031	2.6	3.4
950	535	568	500	22.0	30.2	10.0	8.5	034	3.0	4.8
925	784	798	775	21.2	29.6	14.0	6.6	053	2.2	4.3
900	1019	1036	1000	19.5	29.0	11.0	5.4	040	1.0	4.3
850	1508	1526	1485	16.5	25.0	7.8	3.2	187	1.5	4.6
800	2020	2040	1992	13.2	21.0	5.2	-0.1	198	2.6	5.5
750	2561	2581	2537	10.3	19.8	2.0	-4.4	226	2.9	6.2
700	3130	3154	3099	7.6	15.4	-0.3	-8.5	262	4.3	7.3
650	3739	3768	3708	4.4	13.2	-6.0	-12.2	274	6.5	9.1
600	4383	4411	4357	0.8	9.2	-8.1	-15.2	274	8.6	10.7
550	5084	5123	5049	-3.3	7.0	-13.5	-17.8	273	10.8	12.7
500	5823	5864	5795	-8.1	1.2	-19.3	-21.4	272	13.0	15.0
450	6633	6682	6601	-13.5	-3.1	-24.1	-26.1	271	15.6	17.7
400	7520	7577	7477	-19.4	-8.1	-30.9	-30.9	270	18.8	20.8
350	8503	8564	8450	-26.1	-12.5	-37.7	-36.9	267	21.9	24.0
300	9598	9670	9529	-34.0	-18.9	-48.1	-43.7	264	24.5	26.8
250	10849	10930	10757	-43.6	-28.3	-59.1	-52.3	260	26.1	28.6
200	12312	12410	12192	-55.0	-40.7	-72.1		258	26.2	28.6
175	13155	13257	13018	-61.3	-46.1	-75.9		258	25.4	27.6
150	14099	14205	13947	-67.5	-54.5	-80.3		258	23.3	25.3
125	15183	15301	15020	-73.3	-60.7	-88.9		259	19.7	21.6
100	16472	16612	16283	-78.4	-67.5	-92.7		262	13.8	15.8
80	17741	17904	17522	-78.7	-65.3	-90.3		263	9.0	11.4
70	18511	18668	18268	-76.0	-56.7	-89.9		261	6.6	9.3
60	19410	19630	19151	-71.2	-55.0	-86.3		259	3.9	8.0
50	20497	20698	20189	-66.3	-53.1	-77.5		276	1.5	7.0
40	21865	22100	21588	-62.0	-50.0	-78.5		304	1.1	6.9
30										
25										
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15										
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7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
590	4520	4980	4060				097	16660	-80.4

NORMALS OF RADIOSONDE DATA

MONTH : FEBRUARY TIME : 0530 IST STATION : MUMBAI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1010	1012	1006	19.5	27.6	12.0	14.2	016	0.4	0.6
1000	98	114	68	20.5	28.6	12.0	13.5	012	2.8	3.4
950	525	560	469	22.3	30.2	11.6	8.0	011	3.9	5.6
925	776	793	761	21.6	27.8	13.4	7.0	017	3.2	5.2
900	1011	1030	980	20.1	28.4	8.6	4.0	355	2.5	5.1
850	1501	1522	1469	17.2	25.0	5.6	1.2	280	1.4	5.2
800	2015	2038	1983	14.1	21.0	5.0	-1.3	226	2.9	6.1
750	2554	2581	2525	10.7	17.2	3.0	-3.9	227	3.7	7.2
700	3126	3154	3097	7.3	15.6	0.0	-7.8	250	4.5	8.2
650	3734	3763	3698	3.9	12.8	-4.9	-12.2	268	6.6	9.6
600	4377	4408	4341	0.3	7.2	-7.1	-15.9	273	9.0	11.3
550	5075	5112	5027	-3.8	3.6	-11.1	-19.5	273	11.2	13.3
500	5815	5852	5769	-8.6	0.0	-17.3	-23.5	274	13.4	15.5
450	6623	6669	6575	-14.0	-4.9	-27.5	-28.1	274	16.4	18.6
400	7508	7564	7451	-19.8	-11.7	-31.1	-32.9	272	19.1	21.4
350	8488	8555	8426	-26.5	-14.7	-38.5	-38.6	271	22.3	24.7
300	9583	9663	9506	-34.3	-24.1	-47.5	-45.4	268	24.7	27.2
250	10834	10927	10736	-43.8	-34.5	-57.1	-53.7	264	26.2	28.8
200	12297	12398	12170	-54.8	-41.9	-70.7		261	25.5	28.0
175	13141	13245	12997	-61.0	-43.9	-75.3		261	24.5	26.7
150	14083	14192	13917	-67.5	-56.0	-79.1		260	22.2	24.4
125	15159	15295	14973	-73.9	-62.0	-86.3		261	19.0	21.0
100	16447	16589	16253	-79.2	-66.1	-92.7		261	13.8	15.9
80	17714	17920	17501	-79.6	-68.1	-89.7		262	8.5	11.0
70	18482	18706	18244	-76.8	-61.0	-88.5		261	6.6	9.1
60	19377	19622	19110	-72.1	-60.5	-89.7		260	5.5	8.3
50	20460	20792	20184	-66.6	-52.1	-79.7		258	3.6	8.0
40	21819	22022	21458	-62.5	-52.1	-76.0		275	1.1	7.4
30										
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
597	4420	4900	4000				096	16720	-81.1

NORMALS OF RADIOSONDE DATA

MONTH : MARCH TIME : 0530 IST STATION : MUMBAI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1008	1010	1006	22.3	30.0	16.0	18.2	003	0.3	0.4
1000	87	100	63	22.8	30.0	17.2	17.4	006	2.2	2.8
950	518	543	494	24.5	32.0	12.8	10.5	003	4.5	5.7
925	768	778	748	24.6	31.6	15.2	7.9	009	4.5	5.7
900	1007	1019	988	23.0	31.0	10.4	4.7	359	4.2	5.9
850	1502	1519	1486	20.5	29.0	9.6	1.4	335	3.0	5.8
800	2022	2042	2004	17.2	25.0	5.4	-0.5	271	2.4	5.9
750	2564	2588	2546	13.2	19.8	4.0	-2.3	229	3.4	6.5
700	3143	3169	3121	8.8	15.6	2.0	-4.8	220	3.9	7.1
650	3751	3790	3716	4.5	14.0	-3.7	-8.4	235	4.2	7.5
600	4398	4425	4371	0.5	7.2	-6.7	-12.8	261	5.3	8.3
550	5096	5121	5075	-3.6	5.4	-11.7	-18.2	273	7.3	9.9
500	5837	5871	5793	-8.3	0.6	-17.7	-23.4	274	9.8	12.0
450	6646	6684	6597	-13.7	-2.3	-22.9	-27.7	273	12.1	14.5
400	7533	7575	7477	-19.9	-9.1	-29.3	-32.5	274	14.5	17.0
350	8513	8567	8449	-26.7	-14.7	-36.3	-38.3	273	17.6	20.2
300	9606	9679	9525	-34.4	-23.5	-47.1	-44.9	270	20.9	23.8
250	10856	10950	10754	-43.5	-32.3	-52.9	-52.7	266	23.2	26.1
200	12320	12431	12201	-54.1	-45.0	-67.1		263	23.6	26.4
175	13164	13283	13038	-60.1	-51.0	-71.3		262	22.7	25.1
150	14111	14244	13981	-66.3	-54.0	-78.1		261	20.7	22.7
125	15196	15340	15051	-72.4	-60.0	-85.9		262	16.8	18.8
100	16493	16629	16326	-77.6	-66.0	-89.5		263	11.1	13.4
80	17766	17931	17558	-78.0	-64.0	-88.7		262	6.0	9.4
70	18531	18697	18307	-75.5	-60.0	-87.3		261	5.1	8.1
60	19427	19636	19187	-71.3	-60.0	-86.3		264	3.5	7.4
50	20521	20827	20308	-66.0	-54.7	-77.3		267	2.3	6.7
40	21907	22240	21724	-61.2	-49.5	-76.1		312	1.0	6.6
30										
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
594	4480	4900	4010				096	16780	-79.7

NORMALS OF RADIOSONDE DATA

MONTH : APRIL TIME : 0530 IST STATION : MUMBAI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1007	1008	1005	24.9	29.0	20.0	22.0	013	0.1	0.2
1000	72	85	61	25.0	30.0	20.2	21.5	355	1.0	1.6
950	507	536	479	25.1	38.2	16.6	16.1	343	3.2	4.8
925	760	770	748	24.9	36.4	18.6	13.1	345	4.1	5.2
900	996	1010	985	24.1	34.0	14.4	8.1	339	4.4	6.0
850	1493	1511	1480	22.1	30.0	9.0	3.2	331	4.4	6.5
800	2016	2039	2002	19.1	26.0	7.4	0.8	307	3.5	6.6
750	2563	2594	2543	15.1	26.0	3.4	-0.7	255	2.7	6.5
700	3144	3178	3124	10.5	19.0	0.4	-2.7	209	3.2	6.7
650	3756	3794	3720	5.6	15.4	-3.9	-5.9	200	3.8	7.1
600	4404	4447	4379	0.9	10.8	-9.9	-10.1	221	3.3	7.0
550	5106	5147	5085	-3.3	5.8	-14.1	-16.3	264	3.9	7.3
500	5846	5901	5814	-7.8	0.2	-19.1	-22.4	279	5.8	8.7
450	6660	6719	6622	-13.1	-2.5	-22.9	-27.2	278	7.8	10.6
400	7545	7613	7504	-19.3	-7.9	-37.3	-32.1	274	10.3	13.2
350	8526	8600	8482	-26.2	-16.3	-38.1	-38.1	271	13.4	16.4
300	9622	9705	9563	-34.0	-24.9	-45.9	-44.9	266	16.5	19.6
250	10875	10970	10801	-43.1	-32.7	-54.3	-53.1	260	19.0	22.2
200	12346	12460	12257	-53.6	-41.7	-63.5		257	19.6	22.3
175	13195	13322	13089	-59.5	-48.9	-71.7		257	18.5	21.0
150	14144	14296	14013	-65.6	-52.3	-76.9		256	15.9	18.4
125	15232	15428	15069	-72.0	-60.7	-85.1		255	11.7	14.4
100	16527	16730	16345	-77.6	-65.5	-89.1		258	6.0	10.2
80	17798	18012	17556	-78.1	-63.0	-88.7		229	0.9	7.3
70	18564	18797	18302	-74.9	-57.1	-86.7		079	0.5	6.5
60	19463	19694	19190	-70.0	-52.1	-82.1		067	1.2	6.1
50	20556	20866	20269	-64.3	-48.0	-80.3		070	1.9	6.2
40	21916	22353	21579	-59.2	-48.0	-78.7		058	2.7	6.3
30										
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
588	4570	4970	4260				095	16860	-79.4

NORMALS OF RADIOSONDE DATA

MONTH : MAY TIME : 0530 IST STATION : MUMBAI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1005	1007	1004	27.4	30.2	23.0	23.9	234	0.4	0.6
1000	58	81	44	27.2	31.0	21.8	23.5	272	0.8	1.5
950	495	524	464	25.1	31.6	19.0	20.7	279	2.2	4.3
925	748	759	735	24.4	30.6	18.2	18.5	284	2.8	4.8
900	984	1002	967	23.2	31.2	13.0	14.6	292	3.3	5.3
850	1481	1498	1463	22.0	29.2	13.2	8.0	308	4.2	6.2
800	2005	2021	1985	19.7	27.2	11.0	3.6	312	3.8	6.4
750	2555	2578	2536	16.1	24.0	7.2	0.6	302	2.2	6.1
700	3138	3165	3117	11.7	20.0	5.0	-1.8	239	1.0	5.9
650	3753	3784	3718	7.1	14.8	-0.5	-4.9	190	1.1	6.0
600	4404	4440	4382	2.4	10.6	-7.9	-8.6	180	0.5	5.8
550	5108	5139	5083	-1.8	7.0	-11.3	-13.6	352	1.3	5.9
500	5853	5894	5820	-6.1	1.0	-15.5	-19.1	342	2.8	6.8
450	6671	6714	6638	-11.1	-3.1	-21.3	-23.9	329	3.5	7.9
400	7566	7614	7532	-16.8	-6.9	-26.5	-29.4	306	3.9	8.8
350	8557	8612	8518	-23.5	-12.1	-33.7	-35.3	285	4.9	9.7
300	9667	9732	9609	-31.3	-19.7	-42.9	-42.6	270	6.4	10.6
250	10934	11011	10858	-40.6	-28.7	-54.3	-50.6	257	7.5	11.4
200	12418	12520	12304	-51.9	-40.5	-65.7		242	7.6	11.7
175	13270	13382	13150	-58.5	-42.1	-74.1		234	7.3	11.7
150	14223	14350	14084	-65.6	-53.7	-82.1		221	5.8	10.9
125	15311	15486	15150	-72.5	-55.1	-87.1		191	3.7	9.9
100	16602	16793	16416	-78.3	-67.0	-90.9		120	4.4	9.2
80	17868	18079	17666	-78.1	-66.0	-90.9		098	7.1	9.0
70	18640	18860	18447	-74.3	-62.0	-87.9		091	6.9	8.7
60	19545	19783	19327	-68.2	-57.0	-82.1		080	7.0	8.5
50	20653	20901	20406	-62.0	-51.1	-72.9		078	8.2	9.2
40	22023	22248	21786	-57.5	-47.5	-69.7		080	10.1	11.2
30	23870	24272	23635	-52.0	-43.7	-63.5				
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
570	4820	5120	4470				096	16870	-80.2

NORMALS OF RADIOSONDE DATA

MONTH : JUNE TIME : 0530 IST STATION : MUMBAI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1002	1003	1000	27.6	30.6	23.0	24.7	233	1.8	2.5
1000	29	42	11	27.6	31.0	19.0	24.6	236	2.0	2.7
950	466	497	434	25.0	32.4	19.6	22.5	241	5.3	7.0
925	720	731	702	24.1	30.6	19.2	22.0	253	5.7	7.8
900	955	972	941	22.1	29.2	16.0	19.4	245	6.3	8.2
850	1450	1468	1433	19.5	28.0	14.0	15.7	248	6.0	8.2
800	1971	1988	1952	17.1	27.0	10.8	11.5	251	4.9	7.9
750	2519	2537	2493	14.4	25.2	6.2	6.8	254	3.5	7.8
700	3099	3119	3073	11.4	21.0	3.2	2.5	262	2.2	7.7
650	3716	3737	3681	7.8	16.2	-0.3	-0.9	274	1.3	7.5
600	4369	4396	4342	3.7	12.0	-5.3	-4.2	301	0.7	7.1
550	5078	5101	5046	-0.3	9.0	-10.1	-7.8	356	0.3	6.6
500	5828	5864	5799	-4.0	4.8	-12.0	-11.9	023	0.6	6.3
450	6656	6690	6615	-8.3	-0.1	-16.7	-16.4	046	0.9	6.0
400	7558	7601	7523	-13.6	-4.9	-25.5	-21.7	076	1.5	5.8
350	8564	8623	8518	-20.1	-11.5	-36.9	-28.7	087	2.6	6.2
300	9689	9752	9628	-28.2	-18.9	-40.7	-36.2	091	4.0	7.0
250	10971	11053	10893	-38.1	-27.7	-50.5	-45.1	092	6.0	8.9
200	12469	12576	12368	-50.3	-39.1	-64.1	-55.6	094	9.9	12.5
175	13327	13450	13207	-57.4	-46.3	-72.0		095	12.2	14.7
150	14282	14432	14150	-65.1	-50.0	-81.1		094	15.0	17.2
125	15368	15564	15213	-72.9	-55.0	-87.9		091	18.0	19.8
100	16657	16904	16468	-78.9	-65.7	-89.9		088	20.9	21.9
80	17925	18203	17724	-77.8	-64.5	-90.3		085	19.3	20.1
70	18694	18992	18487	-73.5	-59.7	-88.1		083	17.1	17.8
60	19603	19954	19388	-68.3	-55.5	-87.5		080	15.8	16.4
50	20698	21099	20478	-63.1	-50.5	-86.7		079	16.1	16.7
40	22076	22453	21863	-58.6	-45.0	-73.5		082	17.2	17.8
30	23898	24306	23528	-53.4	-41.9	-66.0		083	19.5	20.2
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
552	5030	5490	4670				097	16830	-80.7

NORMALS OF RADIOSONDE DATA

MONTH : JULY TIME : 0530 IST STATION : MUMBAI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1001	1003	1000	26.8	29.6	23.4	24.7	247	3.2	3.6
1000	27	45	12	26.8	29.0	23.0	24.5	248	3.4	3.9
950	461	482	409	24.1	34.6	16.6	22.1	250	8.8	9.8
925	711	717	696	23.4	30.0	16.6	21.5	256	10.1	10.8
900	950	967	935	21.2	28.4	14.0	19.1	253	10.1	10.8
850	1443	1463	1426	18.4	25.8	7.0	16.0	253	9.7	10.5
800	1962	1983	1941	15.5	23.0	9.4	12.9	251	9.0	9.9
750	2508	2527	2481	12.9	25.0	5.8	9.0	255	8.1	9.2
700	3085	3109	3060	10.6	17.6	2.2	3.6	263	7.3	8.8
650	3702	3729	3675	7.5	15.0	-5.0	-0.6	271	5.7	7.9
600	4354	4390	4326	3.8	11.0	-5.5	-3.9	279	4.3	7.2
550	5064	5098	5021	-0.1	7.0	-8.0	-7.2	288	3.0	6.4
500	5814	5860	5777	-3.9	4.8	-10.9	-11.4	305	1.5	5.5
450	6643	6689	6593	-8.4	-0.7	-21.0	-15.8	044	0.9	5.2
400	7546	7597	7501	-13.8	-4.5	-23.0	-21.5	075	2.4	5.3
350	8550	8603	8499	-20.5	-10.1	-30.1	-28.0	082	4.9	6.6
300	9674	9737	9618	-28.5	-19.9	-38.3	-36.2	083	7.9	9.0
250	10954	11031	10887	-38.6	-29.1	-48.3	-45.4	084	12.1	13.0
200	12447	12548	12367	-51.0	-38.5	-64.7	-56.6	084	18.9	19.6
175	13301	13426	13213	-58.3	-45.9	-71.5		084	22.5	23.3
150	14253	14400	14149	-66.2	-52.1	-80.1		084	26.6	27.6
125	15338	15515	15209	-73.7	-58.7	-89.9		085	30.1	31.1
100	16624	16822	16456	-78.3	-62.7	-93.1		086	29.5	30.5
80	17901	18164	17700	-74.7	-60.3	-92.1		081	24.4	25.2
70	18687	18960	18475	-70.5	-53.7	-87.9		079	22.3	22.9
60	19616	19939	19370	-66.3	-49.5	-80.5		079	20.6	21.2
50	20742	21043	20504	-62.4	-49.5	-83.3		079	21.0	21.7
40	22123	22448	21877	-58.4	-43.0	-77.3		080	22.9	23.6
30	23974	24476	23732	-53.1	-37.0	-70.0				
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
550	5050	5440	4650				103	16460	-79.5

NORMALS OF RADIOSONDE DATA

MONTH : AUGUST TIME : 0530 IST STATION : MUMBAI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1003	1004	1001	26.2	29.0	23.0	24.3	257	2.7	3.0
1000	39	51	17	26.1	28.8	23.0	24.0	257	3.2	3.5
950	472	505	433	23.6	30.2	17.8	21.4	257	8.1	8.8
925	729	741	723	23.0	28.6	16.2	21.2	263	8.3	8.9
900	960	981	937	20.7	27.2	15.0	18.6	258	9.0	9.6
850	1453	1479	1428	17.9	27.2	12.8	15.7	258	8.8	9.4
800	1971	2001	1945	15.0	21.8	10.0	12.6	257	8.2	8.9
750	2516	2550	2488	12.6	20.0	5.8	8.8	262	7.4	8.4
700	3092	3131	3064	10.3	17.0	3.0	3.4	271	6.4	7.9
650	3708	3748	3670	7.2	14.4	-3.5	-1.0	282	5.3	7.2
600	4360	4407	4317	3.6	12.0	-2.9	-4.4	293	4.0	6.6
550	5070	5115	5028	-0.1	10.0	-6.7	-7.8	307	2.9	5.8
500	5820	5878	5765	-4.0	6.2	-10.9	-11.7	335	1.8	5.1
450	6648	6713	6589	-8.4	1.4	-14.7	-16.4	021	1.5	4.9
400	7551	7626	7482	-13.9	-3.7	-23.1	-21.7	061	2.7	5.2
350	8553	8637	8482	-20.5	-8.7	-28.9	-28.2	074	4.7	6.2
300	9677	9772	9583	-28.7	-15.5	-38.9	-36.4	082	7.7	8.6
250	10956	11069	10838	-38.7	-22.7	-49.5	-45.7	085	11.5	12.3
200	12450	12582	12300	-51.0	-39.9	-62.9	-56.9	087	17.8	18.4
175	13305	13452	13133	-58.3	-45.9	-71.5		087	21.5	22.2
150	14254	14404	14068	-66.3	-52.7	-78.1		086	25.1	26.0
125	15333	15523	15128	-74.1	-60.9	-84.5		086	28.2	29.1
100	16612	16835	16361	-79.0	-59.5	-90.5		089	26.8	27.6
80	17891	18171	17630	-74.7	-58.0	-87.5		082	22.1	22.7
70	18673	18985	18405	-70.9	-61.3	-85.1		080	20.3	20.9
60	19591	19894	19291	-67.1	-55.5	-80.0		080	19.8	20.4
50	20694	21025	20436	-63.3	-51.3	-76.0		081	20.1	20.7
40	22087	22377	21848	-59.3	-48.1	-69.9		083	21.9	22.4
30										
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
552	5040	5590	4560				104	16380	-80.2

NORMALS OF RADIOSONDE DATA

MONTH : SEPTEMBER TIME : 0530 IST STATION : MUMBAI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1005	1007	1003	25.5	28.2	21.2	23.8	265	0.5	0.8
1000	62	76	37	25.3	29.0	21.2	23.5	282	0.8	1.8
950	494	528	459	23.4	29.8	18.2	20.7	275	2.7	5.2
925	745	762	736	22.4	27.6	17.2	19.9	277	3.4	5.7
900	982	1001	953	20.7	27.8	16.0	17.5	273	3.0	5.6
850	1474	1495	1446	18.0	25.0	11.4	14.2	270	2.5	5.9
800	1992	2014	1961	15.1	24.6	9.6	10.8	260	1.6	5.7
750	2535	2560	2509	12.4	21.8	6.0	6.7	253	1.0	5.7
700	3112	3139	3086	9.3	16.8	3.0	2.3	254	0.7	5.6
650	3724	3753	3693	6.1	14.2	-1.3	-1.8	286	0.7	5.2
600	4374	4409	4349	2.9	11.4	-4.3	-5.8	287	0.7	4.9
550	5082	5111	5044	-0.5	9.6	-10.3	-9.7	321	0.7	4.7
500	5831	5871	5801	-4.5	1.2	-12.1	-13.9	001	0.8	4.7
450	6658	6697	6620	-9.2	-2.3	-17.1	-18.3	037	1.3	4.7
400	7557	7602	7520	-14.9	-6.9	-22.1	-24.0	065	2.1	4.9
350	8556	8610	8507	-21.8	-12.1	-30.5	-30.4	079	3.3	5.7
300	9673	9739	9616	-29.9	-17.1	-38.5	-38.1	088	5.0	6.7
250	10947	11028	10873	-40.0	-29.7	-48.1	-47.2	093	7.1	8.6
200	12431	12538	12333	-52.5	-39.7	-63.3		098	10.3	12.0
175	13282	13415	13166	-59.6	-46.7	-70.3		097	12.7	14.3
150	14225	14402	14088	-67.3	-51.7	-79.0		097	15.2	16.7
125	15302	15527	15147	-74.5	-55.1	-85.9		094	16.6	17.9
100	16583	16859	16408	-78.7	-59.7	-92.0		088	16.3	17.1
80	17862	18166	17679	-74.4	-58.0	-88.5		082	13.6	14.4
70	18651	18964	18442	-70.7	-54.0	-82.0		080	13.0	13.7
60	19567	19882	19352	-66.7	-48.0	-78.0		079	13.7	14.2
50	20676	20973	20433	-62.8	-49.0	-73.0		081	15.3	15.9
40	22049	22401	21662	-59.2	-47.5	-68.1		082	16.8	17.3
30										
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
559	4940	5400	4580				104	16370	-79.9

NORMALS OF RADIOSONDE DATA

MONTH : OCTOBER TIME : 0530 IST STATION : MUMBAI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1007	1010	1005	24.7	28.8	19.0	21.9	083	0.2	0.4
1000	79	103	60	24.9	29.0	19.0	21.2	047	1.2	1.9
950	511	554	480	25.1	32.2	18.0	16.2	046	2.6	5.1
925	763	789	750	24.1	31.4	18.2	15.2	063	2.5	5.2
900	1003	1028	982	22.6	29.8	14.0	12.0	054	2.8	5.6
850	1497	1524	1476	19.4	26.4	11.6	8.7	060	3.2	5.9
800	2016	2043	1995	15.7	24.0	7.6	5.7	066	3.1	5.7
750	2558	2588	2528	11.9	21.0	4.0	2.8	071	2.6	5.4
700	3133	3161	3106	8.2	17.0	1.2	-0.8	070	2.1	5.3
650	3745	3769	3714	5.4	14.6	-3.7	-4.7	057	1.8	5.3
600	4392	4425	4362	2.6	10.0	-5.1	-8.7	031	1.6	5.7
550	5099	5128	5070	-0.9	6.4	-9.1	-12.2	009	1.8	5.9
500	5846	5876	5814	-5.2	2.4	-14.1	-16.8	357	1.9	6.2
450	6668	6697	6637	-10.2	-2.3	-19.9	-21.5	340	1.8	6.4
400	7564	7598	7519	-16.2	-8.1	-27.9	-27.3	312	1.9	6.7
350	8557	8599	8517	-23.2	-12.7	-32.9	-33.4	277	2.4	7.0
300	9669	9720	9596	-31.4	-17.0	-40.1	-40.7	250	3.4	7.7
250	10933	11001	10844	-41.5	-28.0	-51.3	-49.7	231	4.8	9.1
200	12410	12503	12302	-53.6	-39.9	-63.1		210	6.0	10.6
175	13254	13368	13136	-60.6	-46.9	-71.1		201	6.1	11.2
150	14196	14361	14072	-68.0	-52.9	-80.0		191	5.5	11.3
125	15267	15592	15127	-75.1	-61.1	-86.9		164	3.5	9.7
100	16541	16738	16394	-79.6	-67.1	-93.0		107	4.1	8.4
80	17809	18039	17624	-76.0	-58.5	-92.0		086	5.5	7.5
70	18586	18811	18364	-71.8	-56.9	-86.0		081	5.7	7.3
60	19509	19757	19277	-67.7	-53.1	-80.0		078	7.0	8.1
50	20614	20877	20364	-63.5	-49.3	-75.0		076	8.4	9.4
40	21970	22310	21748	-60.0	-49.3	-72.0		078	11.1	11.9
30										
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
566	4870	5260	4180				103	16390	-80.9

NORMALS OF RADIOSONDE DATA

MONTH : NOVEMBER TIME : 0530 IST STATION : MUMBAI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1009	1012	1007	22.2	29.0	15.0	17.3	071	0.7	0.8
1000	94	115	73	23.0	29.0	16.0	16.6	056	2.7	3.3
950	526	557	499	24.6	34.2	15.2	11.3	069	4.0	5.7
925	771	787	737	23.7	32.8	18.0	10.1	082	4.0	5.3
900	1015	1036	998	21.7	32.2	11.6	8.2	080	3.5	5.4
850	1507	1527	1492	18.0	25.6	7.6	5.8	095	2.7	4.7
800	2023	2042	2006	14.3	24.6	5.8	3.1	108	2.2	4.4
750	2566	2590	2548	11.3	19.0	2.0	0.1	103	1.5	4.7
700	3137	3160	3116	8.7	16.4	0.0	-3.4	061	0.9	5.3
650	3751	3774	3725	5.9	18.0	-3.5	-7.1	011	1.1	6.0
600	4398	4421	4369	2.6	12.2	-5.1	-10.4	340	1.6	6.7
550	5104	5144	5084	-1.3	5.2	-9.3	-14.6	315	2.2	7.3
500	5849	5881	5814	-6.0	0.8	-13.1	-18.7	298	3.3	8.1
450	6667	6712	6635	-11.4	-0.9	-19.0	-23.9	285	4.8	9.2
400	7559	7604	7507	-17.6	-10.9	-25.5	-29.3	276	6.7	10.5
350	8547	8596	8493	-24.8	-16.7	-37.3	-35.6	269	8.9	12.2
300	9650	9713	9590	-33.0	-23.5	-42.5	-43.1	259	11.6	14.3
250	10907	10984	10845	-42.9	-31.1	-53.5	-51.5	249	14.2	16.7
200	12375	12470	12294	-54.6	-40.5	-64.5		239	15.6	18.4
175	13214	13319	13120	-61.3	-45.3	-72.5		239	15.3	17.7
150	14156	14276	14049	-68.0	-50.5	-80.5		240	13.6	15.7
125	15234	15378	15114	-74.3	-56.1	-85.1		246	9.8	12.2
100	16514	16681	16369	-79.2	-63.3	-92.0		252	4.7	8.7
80	17781	17963	17607	-77.7	-60.1	-93.0		083	0.5	6.8
70	18554	18738	18366	-74.2	-58.3	-89.0		084	1.5	6.1
60	19454	19673	19299	-69.5	-56.3	-84.0		083	2.4	5.9
50	20550	20800	20397	-64.7	-49.9	-80.3		081	3.3	6.5
40	21927	22208	21668	-60.1	-48.0	-73.0		074	5.2	7.0
30										
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
568	4840	5190	4580				100	16540	-80.5

NORMALS OF RADIOSONDE DATA

MONTH : DECEMBER TIME : 0530 IST STATION : MUMBAI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1011	1012	1009	19.8	29.2	12.4	14.6	071	0.7	0.8
1000	109	119	94	21.0	28.2	13.6	13.6	060	3.1	3.7
950	539	566	505	23.1	30.0	14.6	8.8	077	3.6	5.2
925	783	798	735	22.2	26.6	14.8	6.5	094	3.5	4.9
900	1024	1036	1008	20.2	25.8	11.8	6.2	103	2.6	4.6
850	1514	1527	1497	16.8	23.2	8.6	3.8	136	2.2	4.3
800	2027	2041	2010	13.6	20.6	3.0	0.8	157	1.9	4.5
750	2569	2581	2546	11.2	19.0	2.0	-3.5	190	0.8	5.1
700	3140	3158	3122	8.6	15.2	-1.1	-6.8	274	1.4	5.9
650	3751	3772	3718	5.4	16.0	-4.5	-9.5	281	2.8	6.7
600	4398	4426	4372	1.6	12.0	-8.5	-12.5	278	4.4	7.7
550	5099	5125	5074	-2.7	5.2	-14.5	-15.9	273	6.1	9.0
500	5842	5878	5808	-7.6	3.2	-21.5	-19.8	268	7.9	10.5
450	6654	6692	6612	-13.1	-4.1	-21.1	-24.3	266	10.0	12.4
400	7541	7583	7493	-19.3	-8.7	-28.3	-29.9	263	12.7	15.0
350	8522	8577	8469	-26.3	-14.9	-36.3	-35.8	263	15.9	18.2
300	9618	9682	9549	-34.5	-21.9	-43.1	-42.9	260	19.1	21.8
250	10867	10942	10781	-44.3	-21.0	-53.7	-51.7	254	22.2	25.2
200	12327	12424	12212	-55.7	-43.1	-66.9		250	23.7	26.7
175	13166	13297	13033	-61.8	-49.9	-73.3		250	23.5	26.0
150	14107	14254	13957	-67.8	-56.5	-78.3		252	21.6	23.7
125	15189	15360	15013	-73.1	-62.0	-86.5		255	17.9	19.8
100	16483	16667	16292	-77.8	-65.1	-89.9		260	11.9	14.2
80	17754	17873	17562	-78.0	-63.0	-89.5		261	5.5	9.0
70	18528	18643	18326	-75.1	-62.7	-86.3		261	3.3	7.6
60	19435	19561	19196	-70.7	-57.5	-82.3		258	1.8	6.8
50	20534	20683	20289	-65.5	-51.5	-77.9		333	0.1	5.9
40	21913	22162	21656	-60.6	-50.7	-71.7		064	2.0	6.3
30										
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
582	4640	4980	4270				097	16710	-79.6

NORMALS OF RADIOSONDE DATA

MONTH : JANUARY TIME : 0530 IST STATION : NAGPUR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	979	981	977	14.2	20.4	7.4	10.0	016	1.2	1.6
1000	134	152	121							
950	551	586	506	17.6	26.4	7.4	8.3	051	2.9	4.9
925	799	815	787	18.1	25.8	10.6	6.9	067	1.8	4.1
900	1031	1048	1018	17.2	24.6	6.6	6.1	136	0.9	4.8
850	1517	1533	1503	14.4	21.6	5.2	3.1	249	2.0	5.1
800	2026	2043	2012	11.5	20.0	1.6	-0.5	270	3.9	6.2
750	2558	2582	2524	8.6	19.0	-0.3	-4.1	278	5.7	7.7
700	3130	3155	3108	5.8	16.0	-3.3	-8.7	280	7.3	9.1
650	3734	3767	3690	2.7	13.0	-5.9	-13.3	280	9.3	10.9
600	4376	4412	4346	-0.6	9.4	-10.3	-17.5	278	11.6	13.1
550	5070	5128	5027	-4.6	5.6	-13.5	-21.9	276	14.1	15.6
500	5810	5860	5768	-9.3	-0.5	-20.3	-26.0	274	16.9	18.3
450	6614	6696	6560	-14.7	-6.0	-25.5	-30.5	271	19.7	21.3
400	7498	7568	7438	-20.7	-11.0	-39.7	-35.4	270	23.0	24.8
350	8475	8550	8402	-27.2	-17.1	-40.7	-40.9	269	26.6	28.3
300	9568	9669	9480	-34.8	-25.1	-49.9	-47.7	266	29.9	31.8
250	10818	10935	10722	-43.8	-27.5	-56.7	-54.1	262	31.6	33.5
200	12281	12421	12152	-54.7	-43.5	-65.3		259	31.9	33.8
175	13126	13276	12981	-60.6	-48.9	-72.1		258	30.9	32.7
150	14069	14237	13908	-66.6	-52.1	-76.5		259	29.3	31.0
125	15157	15345	14985	-72.1	-59.9	-82.7		261	24.4	25.8
100	16452	16622	16276	-76.7	-62.9	-87.1		262	18.5	19.7
80	17733	17943	17546	-77.1	-60.5	-89.7		264	11.4	12.9
70	18510	18737	18325	-74.5	-60.1	-87.1		265	8.4	10.5
60	19414	19643	19231	-70.0	-56.1	-83.0		271	6.1	8.5
50	20513	20765	20269	-64.7	-49.7	-80.0		283	3.7	8.1
40	21892	22185	21621	-59.8	-44.1	-72.9		290	3.3	8.3
30	23718	24007	23381	-55.3	-43.1	-68.9		285	3.3	7.9
25	24883	25169	24500	-53.3	-42.9	-66.5		277	3.8	8.7
20	26342	26618	26157	-50.7	-40.7	-58.3		269	5.9	10.4
15	28228	28509	28066	-48.5	-38.9	-57.9				
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
612	4220	4770	3700				097	16670	-78.6

NORMALS OF RADIOSONDE DATA

MONTH : FEBRUARY TIME : 0530 IST STATION : NAGPUR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	977	980	974	16.6	35.0	9.0	9.5	006	1.4	1.9
1000	116	137	89							
950	540	570	486	19.6	30.0	10.6	8.0	034	3.2	5.6
925	786	801	770	19.8	26.6	11.4	5.9	038	2.0	5.3
900	1020	1037	984	19.4	28.0	9.4	5.8	084	0.5	5.7
850	1509	1528	1470	16.4	25.0	7.2	3.2	242	2.5	5.7
800	2022	2041	1978	12.9	22.0	5.4	0.4	254	4.6	6.7
750	2554	2580	2521	9.2	18.0	0.8	-2.7	262	6.8	8.6
700	3128	3150	3089	5.5	14.0	-4.5	-6.5	269	8.5	10.3
650	3728	3760	3696	2.2	13.8	-7.1	-11.1	274	10.4	12.1
600	4371	4399	4339	-1.1	6.4	-12.1	-16.3	276	12.6	14.3
550	5066	5098	5034	-5.0	3.0	-14.3	-20.7	277	15.0	16.5
500	5803	5846	5775	-9.5	1.0	-17.1	-25.2	275	17.7	19.3
450	6609	6649	6574	-14.8	-4.5	-22.9	-30.1	274	20.2	21.9
400	7490	7550	7442	-20.5	-10.0	-30.5	-34.8	272	23.3	25.2
350	8467	8540	8414	-27.2	-14.3	-38.9	-40.8	270	26.6	28.8
300	9561	9650	9485	-34.7	-24.1	-47.3	-47.4	267	29.9	32.2
250	10809	10916	10712	-43.8	-33.1	-57.1		265	31.3	33.9
200	12272	12396	12159	-54.4	-43.1	-65.9		261	31.6	34.0
175	13115	13253	12993	-60.2	-48.9	-73.1		262	29.9	32.1
150	14059	14207	13936	-66.4	-54.9	-80.9		263	28.4	30.3
125	15145	15299	14994	-72.2	-60.7	-84.5		263	24.2	25.7
100	16441	16590	16239	-76.9	-62.3	-87.9		264	18.2	19.8
80	17720	17874	17506	-77.3	-63.3	-88.1		268	12.2	13.8
70	18492	18660	18281	-74.8	-59.1	-85.7		264	9.2	11.3
60	19393	19568	19141	-70.2	-55.3	-85.5		268	7.5	9.8
50	20492	20676	20251	-64.8	-51.5	-79.5		283	4.9	8.2
40	21866	22078	21525	-59.8	-46.9	-76.3		292	4.1	8.2
30	23685	23890	23287	-55.0	-42.9	-66.7		301	3.3	7.5
25	24844	25200	24470	-53.0	-37.9	-63.5		293	3.1	7.6
20	26294	26526	25963	-51.1	-41.1	-60.9				
15	28192	28435	27805	-48.8	-37.5	-57.7				
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
617	4150	4510	3670				097	16680	-78.9

NORMALS OF RADIOSONDE DATA

MONTH : MARCH TIME : 0530 IST STATION : NAGPUR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	975	976	973	20.7	30.4	11.0	8.8	359	1.1	1.8
1000	94	105	72							
950	522	550	478	23.7	32.2	15.0	7.5	022	2.9	5.9
925	773	783	749	24.5	32.6	17.2	5.6	019	2.8	6.1
900	1011	1024	990	23.6	34.4	14.0	4.7	012	1.3	6.1
850	1507	1523	1486	20.4	31.2	9.0	2.6	283	1.9	5.9
800	2026	2046	2006	16.5	27.8	7.0	0.4	268	3.8	6.3
750	2559	2588	2516	12.2	22.8	4.0	-1.8	264	5.6	7.5
700	3144	3172	3119	7.5	16.4	0.0	-4.9	266	6.9	8.8
650	3742	3776	3710	3.0	14.0	-5.1	-8.5	272	8.3	10.0
600	4391	4427	4358	-1.0	8.6	-9.3	-13.5	277	9.6	11.4
550	5084	5116	5035	-4.9	4.0	-14.7	-19.3	280	11.3	13.0
500	5824	5870	5785	-9.3	-0.9	-20.0	-24.2	280	13.2	15.0
450	6628	6685	6586	-14.7	-5.1	-28.0	-29.3	278	15.3	17.1
400	7512	7573	7461	-20.8	-10.1	-34.9	-34.8	275	17.6	19.6
350	8487	8561	8418	-27.7	-15.9	-39.9	-40.6	274	20.4	22.6
300	9578	9674	9507	-35.3	-24.9	-48.1	-47.1	269	23.8	26.3
250	10824	10949	10733	-43.9	-29.0	-55.9	-54.2	265	26.5	29.4
200	12289	12442	12182	-53.7	-41.1	-64.1		262	27.7	30.3
175	13135	13306	12997	-59.2	-46.0	-68.1		263	26.8	28.9
150	14086	14271	13957	-65.0	-50.0	-76.0		263	24.7	26.5
125	15178	15353	15055	-70.8	-54.3	-87.5		264	20.8	22.4
100	16482	16665	16319	-75.8	-62.0	-87.9		264	15.0	16.5
80	17763	17987	17573	-76.4	-63.7	-88.5		268	10.2	12.2
70	18538	18759	18340	-74.0	-58.5	-88.5		270	6.7	9.0
60	19442	19688	19259	-69.8	-54.7	-81.0		281	4.8	7.6
50	20539	20820	20323	-63.9	-50.1	-78.1		284	3.8	7.0
40	21921	22244	21610	-58.5	-44.7	-73.5		295	3.1	6.9
30	23741	24097	23419	-54.0	-40.5	-68.1		310	2.4	7.5
25	24907	25266	24574	-51.7	-38.1	-64.3		305	2.0	7.9
20	26353	26821	26127	-49.3	-35.7	-60.9		283	3.2	8.9
15	28221	29043	27962	-46.8	-28.9	-56.1				
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
612	4240	4720	3870				096	16780	-77.7

NORMALS OF RADIOSONDE DATA

MONTH : APRIL TIME : 0530 IST STATION : NAGPUR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	972	975	970	25.5	35.0	17.0	10.2	304	1.0	2.2
1000	63	86	45							
950	499	534	464	27.4	39.0	17.0	9.3	308	3.0	7.1
925	755	768	736	27.9	36.0	18.6	7.5	302	3.0	7.1
900	992	1009	978	27.3	35.0	17.4	6.7	305	3.2	7.7
850	1494	1507	1478	24.1	31.4	14.0	4.1	299	3.2	6.7
800	2020	2033	2001	20.0	30.2	8.2	1.8	292	3.3	5.9
750	2556	2585	2524	15.3	25.4	3.6	-0.5	282	3.8	5.9
700	3150	3167	3130	10.2	20.8	-2.3	-2.8	270	4.4	6.6
650	3752	3791	3709	4.9	19.4	-7.1	-5.6	268	5.4	7.6
600	4407	4439	4379	-0.1	11.0	-11.3	-9.6	273	6.4	8.5
550	5101	5159	5060	-4.3	8.8	-14.9	-16.0	283	7.5	9.6
500	5844	5899	5793	-8.5	3.2	-18.3	-21.9	285	9.2	11.2
450	6652	6735	6589	-13.6	-1.1	-22.5	-27.0	282	11.5	13.4
400	7540	7625	7461	-19.6	-5.0	-30.1	-32.2	277	13.7	15.8
350	8518	8605	8425	-26.4	-13.3	-38.5	-38.3	273	16.4	18.7
300	9617	9735	9509	-33.9	-22.7	-48.1	-44.9	268	19.6	22.1
250	10872	11012	10751	-42.6	-30.9	-55.9	-53.2	263	22.5	25.5
200	12346	12522	12208	-52.7	-41.1	-64.9		260	24.2	26.7
175	13195	13394	13046	-58.2	-46.1	-70.7		259	22.8	25.1
150	14149	14363	13991	-64.1	-50.5	-76.3		260	20.3	22.2
125	15246	15505	15080	-70.3	-58.5	-82.1		262	16.4	18.4
100	16552	16862	16380	-75.6	-64.1	-88.1		262	9.8	12.5
80	17828	18133	17664	-76.4	-58.3	-87.5		268	4.0	8.4
70	18604	18965	18428	-73.7	-53.9	-85.5		276	2.2	7.1
60	19518	19905	19333	-68.9	-50.1	-82.0		341	1.3	6.2
50	20621	21072	20450	-63.0	-45.9	-78.0		027	1.6	5.9
40	22018	22536	21741	-57.2	-39.5	-73.1		048	1.9	5.8
30	23864	24342	23639	-52.0	-38.3	-69.1		033	1.4	6.2
25	25045	25540	24873	-49.5	-34.7	-67.1		051	0.9	6.5
20	26501	27099	26339	-47.2	-29.1	-65.1		359	0.5	6.9
15	28409	28870	28093	-44.3	-26.3	-62.1		282	0.7	7.6
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
598	4430	5140	3860				094	16960	-77.9

NORMALS OF RADIOSONDE DATA

MONTH : MAY TIME : 0530 IST STATION : NAGPUR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	969	973	967	28.9	37.6	21.4	13.4	301	1.7	2.8
1000	32	67	9							
950	472	507	424	29.3	37.2	17.6	12.7	303	5.2	8.3
925	729	741	716	29.4	41.2	18.2	12.0	303	6.4	9.0
900	969	994	950	28.6	44.0	12.2	10.2	309	6.2	9.3
850	1474	1491	1457	25.7	40.0	11.6	7.3	312	5.5	8.1
800	2003	2017	1986	21.8	35.2	11.0	4.9	314	4.4	6.7
750	2544	2576	2507	17.2	28.8	7.2	2.4	315	3.6	5.9
700	3141	3162	3121	12.2	23.0	1.8	-0.2	312	2.8	5.7
650	3750	3784	3719	6.9	16.6	-2.5	-3.0	306	2.6	6.1
600	4407	4433	4376	1.8	10.2	-7.7	-7.0	305	2.9	6.4
550	5107	5142	5069	-2.7	7.4	-13.1	-12.4	308	4.0	6.9
500	5853	5884	5808	-6.7	3.6	-16.1	-18.2	311	5.0	8.0
450	6673	6733	6620	-11.1	2.6	-20.5	-23.6	302	6.2	9.2
400	7565	7627	7500	-16.5	-3.3	-26.0	-28.7	293	7.4	10.6
350	8558	8635	8489	-22.9	-10.9	-33.1	-34.9	279	8.6	12.0
300	9670	9777	9575	-30.5	-19.0	-41.9	-41.7	267	10.0	13.2
250	10942	11078	10824	-39.6	-28.0	-52.9	-49.6	257	11.5	14.6
200	12433	12603	12286	-50.7	-34.0	-64.5		248	11.4	14.6
175	13291	13472	13130	-57.2	-44.0	-70.1		243	10.5	13.8
150	14247	14452	14076	-64.2	-53.0	-77.1		234	8.7	12.4
125	15341	15550	15144	-71.2	-56.1	-86.1		223	5.4	10.7
100	16641	16897	16406	-76.8	-65.0	-89.1		156	2.6	9.3
80	17917	18269	17665	-76.7	-63.9	-90.0		095	4.9	8.3
70	18695	18986	18464	-73.1	-59.5	-89.0		083	6.1	8.3
60	19607	19901	19381	-68.0	-55.7	-86.1		080	6.8	8.4
50	20715	21017	20521	-62.1	-50.5	-82.0		082	7.8	9.0
40	22114	22426	21941	-56.4	-43.7	-70.3		084	8.7	9.6
30	23952	24290	23708	-51.4	-38.3	-67.1		084	10.0	10.8
25	25136	25465	24877	-48.8	-37.3	-64.0		088	10.5	11.3
20	26623	26998	26431	-46.3	-33.9	-58.5		090	10.6	11.6
15	28541	28831	28205	-43.9	-31.1	-54.1		090	11.7	12.7
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
579	4680	5380	4240				096	16910	-78.6

NORMALS OF RADIOSONDE DATA

MONTH : JUNE TIME : 0530 IST STATION : NAGPUR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	966	969	964	27.3	35.4	22.0	20.4	271	2.1	2.9
1000	10	35	0							
950	443	488	394	27.1	35.4	21.6	19.8	275	5.9	7.8
925	701	725	686	27.0	38.0	18.8	18.4	283	6.7	8.5
900	940	967	924	25.6	37.2	17.2	17.3	289	7.7	9.8
850	1441	1469	1417	22.9	32.6	12.8	14.7	298	7.0	9.2
800	1967	1996	1941	19.7	28.6	10.2	12.1	303	5.2	7.7
750	2513	2549	2477	16.0	24.6	7.8	9.1	311	3.5	6.7
700	3101	3132	3076	12.1	22.2	5.2	5.7	329	2.5	6.3
650	3718	3750	3690	8.1	19.0	0.6	1.8	346	2.4	6.3
600	4375	4407	4353	4.0	14.0	-3.5	-1.8	355	2.3	6.3
550	5086	5123	5048	0.0	10.2	-9.9	-5.8	001	1.8	6.0
500	5835	5874	5810	-3.9	6.6	-11.3	-10.2	001	1.3	5.8
450	6666	6722	6622	-8.0	2.0	-17.1	-15.3	006	0.9	6.0
400	7569	7634	7528	-13.0	-3.9	-22.1	-21.1	037	1.1	6.0
350	8573	8642	8519	-19.2	-9.5	-28.3	-27.5	072	1.7	6.3
300	9706	9805	9651	-27.1	-16.9	-36.7	-35.4	089	2.5	6.6
250	10994	11108	10927	-36.7	-25.1	-45.7	-44.4	093	3.9	7.5
200	12500	12632	12404	-49.0	-39.5	-59.1		095	6.4	9.7
175	13363	13507	13256	-56.1	-45.1	-67.5		094	8.1	11.3
150	14326	14479	14198	-63.9	-52.1	-76.1		092	10.8	13.5
125	15418	15592	15260	-72.0	-59.5	-84.3		089	13.9	16.0
100	16710	16904	16505	-78.1	-65.5	-90.1		088	17.4	18.4
80	17985	18202	17731	-77.2	-60.1	-90.1		087	17.2	17.8
70	18754	19018	18505	-73.2	-55.9	-85.0		084	16.4	17.0
60	19676	19913	19373	-67.5	-48.9	-84.1		081	15.6	16.1
50	20792	21049	20486	-62.0	-39.1	-82.3		085	15.2	15.6
40	22193	22454	21895	-56.9	-42.5	-80.1		084	16.8	17.1
30	24028	24246	23690	-52.4	-39.5	-70.9		086	18.3	18.7
25	25211	25410	24680	-50.1	-37.9	-67.5		087	20.4	20.8
20	26677	26906	26036	-47.7	-31.5	-63.9		088	22.8	23.2
15	28570	28774	28410	-45.4	-32.5	-59.5				
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
549	5110	5830	4760				097	16940	-79.8

NORMALS OF RADIOSONDE DATA

MONTH : JULY TIME : 0530 IST STATION : NAGPUR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	967	968	965	24.9	29.8	21.0	22.8	259	1.9	2.3
1000	13	30	1							
950	443	482	412	24.4	32.0	20.6	22.1	265	6.1	7.3
925	692	705	656	23.9	31.2	18.8	20.7	271	7.7	8.6
900	936	947	924	22.7	30.2	14.4	19.7	280	8.5	9.7
850	1432	1445	1420	20.1	27.0	12.0	17.2	286	8.6	10.0
800	1954	1969	1940	17.2	24.0	11.2	14.4	286	7.5	9.0
750	2501	2522	2474	14.1	21.0	8.2	11.4	283	6.1	8.0
700	3082	3102	3065	11.0	18.6	5.0	7.8	284	4.8	7.3
650	3701	3720	3682	7.9	15.0	1.0	3.8	291	3.5	6.6
600	4354	4380	4334	4.5	12.0	-3.7	0.0	305	2.2	6.1
550	5071	5108	5041	.8	7.6	-7.5	-3.9	334	1.3	5.8
500	5819	5851	5788	-3.1	4.8	-12.5	-8.3	029	1.1	5.7
450	6653	6691	6619	-7.5	2.0	-17.1	-13.6	073	2.1	5.7
400	7556	7599	7504	-12.9	-3.5	-22.5	-19.7	082	3.6	6.1
350	8562	8612	8494	-19.3	-10.9	-29.5	-26.6	087	5.4	7.0
300	9694	9757	9629	-27.2	-18.9	-37.0	-34.8	086	7.8	8.7
250	10982	11056	10898	-37.1	-28.5	-49.3	-44.1	085	11.0	11.7
200	12485	12582	12367	-49.6	-40.5	-62.7	-55.3	082	16.3	17.0
175	13346	13456	13198	-56.9	-46.0	-70.1		080	19.4	20.3
150	14304	14429	14127	-64.8	-52.1	-77.5		079	22.6	23.7
125	15397	15541	15205	-72.8	-59.1	-85.5		081	26.3	27.3
100	16686	16882	16366	-77.9	-59.0	-89.1		085	28.0	28.6
80	17969	18176	17626	-74.4	-58.0	-88.5		084	24.3	24.8
70	18759	18970	18298	-70.4	-55.9	-83.5		082	22.2	22.7
60	19682	19905	19233	-65.8	-52.0	-79.5		081	21.3	21.7
50	20807	21046	20349	-61.5	-47.5	-76.0		082	21.8	22.2
40	22221	22471	21763	-57.2	-40.5	-71.3		083	22.9	23.5
30	24065	24379	23828	-52.8	-38.9	-66.9		086	27.1	27.5
25	25238	25553	24954	-51.0	-38.7	-63.3		087	29.9	30.1
20	26698	27072	26349	-48.6	-36.5	-60.3		087	32.7	33.1
15	28599	29018	28362	-46.4	-33.9	-59.3				
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
539	5230	5670	4910				102	16600	-79.3

NORMALS OF RADIOSONDE DATA

MONTH : AUGUST TIME : 0530 IST STATION : NAGPUR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	968	969	965	24.3	28.4	20.0	22.5	271	2.0	2.5
1000	22	37	0							
950	451	487	415	23.9	29.8	19.4	21.9	278	6.1	7.4
925	709	722	680	23.4	31.6	17.8	20.4	286	7.1	8.5
900	943	962	923	22.1	30.6	16.0	19.4	292	8.0	9.6
850	1439	1460	1418	19.6	25.4	13.0	16.8	298	7.7	9.7
800	1960	1982	1935	16.8	23.0	8.8	14.1	298	6.5	8.6
750	2505	2532	2454	13.8	20.0	6.4	11.1	296	5.2	7.5
700	3087	3114	3056	10.8	16.4	3.8	7.5	300	4.1	6.6
650	3703	3732	3665	7.8	13.8	1.0	3.6	309	3.0	6.2
600	4359	4391	4320	4.5	14.0	-2.1	-0.5	324	2.0	5.9
550	5072	5101	5019	0.9	8.2	-5.5	-4.6	356	1.5	5.9
500	5824	5862	5778	-3.0	3.4	-10.0	-8.9	046	1.5	6.0
450	6654	6699	6608	-7.5	-0.9	-15.5	-13.9	072	2.6	6.1
400	7561	7611	7504	-13.0	-4.7	-26.0	-20.1	083	3.9	6.6
350	8564	8611	8516	-19.4	-11.7	-33.3	-27.1	087	6.0	7.6
300	9696	9761	9624	-27.3	-16.9	-42.5	-35.3	089	8.3	9.2
250	10984	11059	10895	-37.3	-26.7	-55.7	-44.7	086	11.2	11.9
200	12486	12572	12378	-49.8	-40.5	-60.1	-56.7	083	15.7	16.5
175	13346	13449	13227	-57.2	-47.9	-68.1		081	18.7	19.6
150	14302	14417	14166	-65.2	-53.1	-78.0		080	22.0	23.0
125	15392	15534	15241	-73.2	-59.3	-84.3		081	25.2	26.1
100	16681	16853	16508	-78.0	-63.5	-89.1		087	26.0	26.6
80	17969	18075	17784	-73.6	-59.1	-84.3		085	22.5	22.9
70	18766	18886	18558	-69.4	-58.0	-81.5		081	20.5	20.9
60	19686	19819	19423	-65.5	-53.0	-78.5		081	19.6	20.0
50	20809	21013	20521	-61.8	-49.7	-74.0		082	20.3	20.6
40	22211	22456	21841	-57.5	-43.1	-66.3		085	22.8	23.2
30	24052	24342	23607	-53.5	-35.9	-66.1		087	25.8	26.1
25	25223	25407	24480	-51.6	-34.9	-64.1		088	28.2	28.6
20	26708	27430	26321	-49.1	-31.9	-61.9		088	32.6	32.9
15	28596	28913	28157	-46.6	-32.3	-60.9				
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
538	5250	5630	4910				103	16530	-79.3

NORMALS OF RADIOSONDE DATA

MONTH : SEPTEMBER TIME : 0530 IST STATION : NAGPUR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	971	973	969	23.7	27.0	18.0	21.8	298	1.2	1.9
1000	53	76	34							
950	482	525	439	23.9	28.8	19.8	20.6	304	4.0	6.2
925	734	759	708	23.7	28.8	17.6	18.8	310	3.9	6.6
900	974	999	952	22.7	30.2	16.2	17.9	312	4.0	6.9
850	1470	1496	1446	19.9	27.0	13.8	15.0	319	3.6	6.6
800	1990	2017	1967	16.7	24.8	10.2	11.8	322	3.1	6.2
750	2528	2565	2494	13.4	24.0	5.8	7.9	324	2.7	6.1
700	3115	3142	3092	10.0	19.0	1.2	4.0	330	2.3	5.9
650	3726	3756	3699	6.8	15.4	-2.3	0.0	329	1.9	5.5
600	4381	4410	4353	3.6	11.8	-4.9	-3.6	326	1.0	5.1
550	5091	5124	5051	0.1	7.6	-12.0	-7.3	345	0.6	5.2
500	5842	5869	5804	-3.9	3.6	-12.1	-12.0	042	0.4	5.2
450	6669	6697	6613	-8.5	-0.9	-17.5	-17.0	073	1.1	5.2
400	7572	7605	7524	-14.1	-6.7	-24.1	-22.7	085	1.9	5.4
350	8571	8613	8520	-20.7	-12.9	-31.9	-29.3	093	2.5	5.6
300	9698	9744	9618	-28.6	-19.5	-40.5	-37.2	096	3.8	6.1
250	10979	11031	10878	-38.6	-26.9	-49.3	-46.4	097	5.0	7.3
200	12471	12536	12328	-51.0	-41.1	-61.7		097	7.6	9.9
175	13327	13398	13165	-58.2	-48.1	-69.0		094	9.6	11.7
150	14278	14353	14088	-66.0	-55.9	-77.5		093	11.9	14.0
125	15364	15450	15144	-73.4	-62.7	-85.1		093	14.2	15.7
100	16652	16749	16400	-77.9	-63.9	-88.9		091	14.8	15.5
80	17941	18050	17658	-73.9	-56.9	-89.9		085	13.8	14.4
70	18738	18858	18437	-69.3	-53.3	-82.3		080	13.5	13.9
60	19660	19780	19332	-64.9	-48.7	-78.1		081	14.0	14.4
50	20779	20918	20413	-61.1	-40.5	-72.0		083	14.9	15.3
40	22180	22342	21781	-57.1	-38.9	-69.0		084	16.6	17.0
30	24038	24203	23317	-52.9	-39.9	-67.0		085	21.0	21.4
25	25239	25420	24500	-50.5	-36.1	-60.0		087	23.2	23.5
20	26710	26911	25923	-48.2	-30.7	-59.7		089	25.5	26.0
15	28591	28787	27776	-46.3	-31.7	-58.7				
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
550	5090	5450	4630				103	16530	-79.1

NORMALS OF RADIOSONDE DATA

MONTH : OCTOBER TIME : 0530 IST STATION : NAGPUR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	975	980	972	21.0	29.0	14.0	18.3	001	1.1	1.6
1000	94	132	62							
950	521	577	476	22.6	28.8	11.2	16.2	019	2.7	4.8
925	774	810	753	23.4	34.0	16.6	15.3	052	2.6	4.8
900	1010	1048	982	22.0	32.0	11.8	12.5	051	2.4	5.0
850	1504	1542	1477	18.8	27.8	8.8	9.2	045	2.8	5.3
800	2022	2059	1994	15.2	23.0	5.8	5.7	031	3.3	5.7
750	2556	2601	2510	11.6	19.4	1.8	2.0	022	3.4	5.9
700	3139	3173	3112	8.3	17.0	-1.5	-1.6	013	2.9	5.8
650	3746	3779	3708	5.4	13.6	-4.5	-5.0	004	2.3	5.6
600	4397	4428	4362	2.4	10.8	-8.9	-8.5	344	1.4	5.6
550	5100	5128	5057	-1.2	7.0	-11.0	-11.9	305	1.2	5.9
500	5850	5884	5802	-5.4	2.8	-16.0	-16.2	278	1.9	6.5
450	6668	6704	6606	-10.3	-1.9	-23.0	-21.6	268	2.7	7.0
400	7567	7600	7493	-16.1	-7.1	-31.0	-27.3	260	3.9	7.8
350	8556	8592	8474	-22.9	-12.0	-40.0	-33.6	252	5.2	8.7
300	9672	9713	9567	-31.0	-19.9	-51.0	-41.2	248	6.8	9.9
250	10940	10995	10814	-40.8	-29.3	-63.0	-49.7	241	7.9	11.2
200	12419	12498	12275	-52.7	-40.7	-74.0		232	8.4	11.8
175	13269	13361	13108	-59.7	-47.3	-73.3		227	7.9	11.7
150	14218	14328	14040	-66.8	-55.1	-82.5		217	6.6	11.0
125	15301	15428	15089	-73.8	-62.9	-86.1		196	4.4	9.4
100	16589	16735	16336	-78.2	-66.0	-88.7		135	3.2	7.6
80	17874	18018	17613	-74.6	-57.3	-86.0		093	4.0	6.7
70	18667	18827	18398	-70.1	-56.9	-88.0		082	5.2	6.7
60	19591	19752	19317	-65.4	-53.7	-77.5		078	6.2	7.4
50	20716	20893	20422	-61.3	-49.3	-74.1		081	8.0	8.5
40	22121	22391	21762	-57.1	-44.0	-70.1		084	9.7	10.1
30	23977	24202	23471	-52.8	-39.9	-62.1		083	11.9	12.5
25	25165	25430	24650	-50.6	-36.7	-61.5		087	13.0	13.5
20	26635	26918	26185	-48.5	-33.5	-60.7		089	14.0	14.8
15	28537	28864	28253	-46.1	-31.3	-58.3		088	14.7	15.7
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
569	4830	5150	4110				104	16420	-79.3

NORMALS OF RADIOSONDE DATA

MONTH : NOVEMBER TIME : 0530 IST STATION : NAGPUR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	978	980	975	16.6	25.0	8.0	12.9	016	1.3	1.6
1000	125	144	101							
950	545	582	512	19.9	27.8	11.4	11.0	046	3.7	4.8
925	797	812	782	20.6	27.4	11.6	8.9	068	3.5	4.8
900	1030	1048	1014	19.2	28.2	11.2	7.7	068	3.3	5.0
850	1519	1536	1501	16.0	25.6	8.0	4.5	055	2.7	4.9
800	2031	2052	2014	12.9	22.8	5.6	1.1	028	2.3	5.0
750	2566	2592	2539	10.3	19.0	1.8	-2.5	358	2.4	5.4
700	3142	3165	3122	7.9	15.0	-1.5	-6.7	332	2.7	5.7
650	3752	3778	3721	5.1	11.4	-6.7	-9.8	315	3.0	6.0
600	4398	4424	4372	1.7	8.0	-7.3	-13.6	303	3.9	6.7
550	5100	5132	5067	-2.1	4.6	-10.5	-17.7	293	5.1	7.9
500	5845	5872	5810	-6.9	-1.0	-16.3	-21.8	284	6.7	9.3
450	6657	6693	6600	-12.3	-5.0	-21.9	-26.6	279	8.9	11.3
400	7550	7594	7509	-18.4	-10.3	-28.3	-31.7	275	11.2	13.4
350	8532	8590	8467	-25.1	-15.5	-34.3	-38.0	270	14.1	16.1
300	9636	9710	9578	-33.0	-20.3	-45.3	-44.6	262	16.7	18.5
250	10894	10983	10825	-42.6	-32.3	-54.1	-52.9	255	19.5	21.3
200	12365	12468	12279	-53.9	-43.5	-65.7		248	21.2	22.9
175	13210	13321	13113	-60.4	-50.1	-74.7		248	20.7	22.3
150	14156	14272	14045	-66.9	-54.7	-78.1		250	18.6	20.1
125	15240	15366	15106	-73.0	-61.3	-86.1		254	14.2	15.7
100	16530	16677	16350	-77.5	-65.1	-89.7		261	8.5	11.1
80	17812	17984	17590	-76.2	-56.7	-90.3		272	2.8	7.0
70	18593	18781	18363	-72.8	-50.7	-88.1		295	0.9	6.0
60	19507	19704	19246	-68.1	-46.3	-84.5		313	0.8	5.6
50	20621	20843	20333	-62.9	-48.1	-79.9		036	1.2	5.0
40	22017	22428	21695	-58.2	-39.9	-77.0		067	2.2	6.0
30	23846	24045	23411	-53.7	-40.3	-68.0		078	3.6	7.1
25	25026	25246	24220	-51.3	-33.3	-64.1		087	3.1	7.5
20	26471	26757	25649	-49.1	-35.1	-62.3		091	2.8	8.0
15	28352	28695	27863	-47.1	-30.1	-55.9				
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
579	4690	5090	4160				101	16540	-78.5

NORMALS OF RADIOSONDE DATA

MONTH : DECEMBER TIME : 0530 IST STATION : NAGPUR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	980	982	978	13.6	20.2	6.2	9.8	014	1.2	1.5
1000	143	161	122							
950	555	595	511	17.6	29.0	10.0	8.0	049	3.4	4.6
925	809	823	799	18.2	28.4	11.6	5.2	063	2.9	4.3
900	1040	1058	1024	17.0	26.6	8.0	5.0	073	2.0	4.4
850	1525	1544	1509	14.3	22.8	6.0	1.8	015	0.8	4.4
800	2034	2054	2015	12.0	22.4	5.0	-2.0	312	1.7	4.8
750	2569	2595	2535	9.9	20.6	1.2	-5.4	301	3.0	5.7
700	3142	3164	3116	7.3	17.6	-1.0	-9.0	293	4.3	6.7
650	3751	3783	3714	4.3	16.2	-6.5	-12.7	287	5.6	7.8
600	4395	4420	4359	0.7	11.8	-10.1	-16.0	282	7.4	9.4
550	5092	5124	5061	-3.5	9.0	-14.3	-19.9	279	9.5	11.4
500	5835	5867	5799	-8.3	3.2	-18.1	-24.1	275	11.6	13.5
450	6641	6683	6600	-13.8	-2.5	-23.9	-28.3	272	14.2	15.9
400	7529	7567	7489	-20.0	-9.7	-29.7	-33.3	270	16.9	18.7
350	8504	8560	8453	-26.8	-15.9	-36.7	-38.8	267	20.4	22.2
300	9601	9654	9535	-34.8	-24.7	-45.7	-45.0	265	23.8	25.8
250	10850	10909	10767	-44.2	-30.0	-55.9	-52.9	259	27.3	29.8
200	12310	12384	12213	-55.2	-43.5	-69.1		254	29.0	31.5
175	13152	13238	13051	-61.1	-47.9	-77.1		254	28.4	30.6
150	14097	14196	13973	-66.6	-51.9	-78.1		256	26.3	28.0
125	15186	15294	15048	-71.5	-57.1	-85.1		259	21.7	23.2
100	16488	16607	16342	-76.0	-63.1	-92.1		263	15.6	17.0
80	17774	17905	17613	-75.9	-56.5	-87.9		266	8.6	11.0
70	18555	18725	18387	-73.5	-56.1	-88.1		269	5.5	8.6
60	19464	19623	19284	-69.1	-52.0	-88.1		276	3.2	6.8
50	20566	20746	20385	-63.9	-49.1	-77.1		304	1.8	6.3
40	21944	22183	21561	-59.1	-45.7	-72.1		336	1.5	6.4
30	23768	24017	23252	-54.6	-39.7	-68.1		335	1.4	7.3
25	24945	25256	24630	-52.0	-37.5	-65.7		356	1.3	7.8
20	26404	26781	26084	-49.2	-33.9	-62.1		312	1.0	9.4
15	28284	28684	27766	-47.1	-33.5	-57.9				
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
593	4480	4810	4130				098	16660	-77.6

NORMALS OF RADIOSONDE DATA

MONTH : JANUARY TIME : 0530 IST STATION : NEW DELHI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	984	986	982	10.0	18.0	4.0	4.7	307	2.1	3.3
1000	135	152	121							
950	563	581	548	12.9	24.4	5.4	3.4	310	4.1	6.4
925	789	805	777	12.3	22.6	4.4	2.0	312	3.8	6.1
900	1018	1035	999	11.3	21.6	3.0	-1.3	308	4.2	6.3
850	1493	1512	1470	8.9	18.6	-1.1	-4.0	297	4.8	6.8
800	1993	2012	1964	6.3	17.2	-5.0	-6.5	288	5.3	7.3
750	2518	2546	2484	3.4	14.4	-9.0	-8.6	281	6.3	8.2
700	3075	3112	3036	0.1	11.6	-12.0	-11.5	275	7.7	9.4
650	3664	3711	3621	-3.4	7.0	-15.3	-14.6	273	10.0	11.6
600	4294	4349	4244	-7.4	2.8	-19.1	-18.3	272	12.9	14.5
550	4965	5031	4911	-11.8	-1.5	-23.3	-21.8	271	16.2	17.7
500	5689	5765	5629	-16.8	-4.9	-28.1	-26.3	271	20.1	21.7
450	6471	6560	6407	-22.4	-8.7	-34.9	-31.0	271	24.5	26.3
400	7327	7426	7259	-28.4	-13.9	-40.5	-36.9	271	29.3	31.2
350	8271	8383	8198	-35.0	-20.9	-47.1	-42.8	271	34.7	36.8
300	9332	9461	9241	-42.0	-28.3	-55.9		270	40.9	43.2
250	10547	10702	10443	-49.0	-36.0	-62.3		269	46.6	48.9
200	11990	12170	11883	-55.6	-41.5	-68.7		268	50.0	52.0
175	12834	13022	12730	-58.8	-46.5	-71.3		267	48.5	50.3
150	13795	13984	13685	-62.6	-50.5	-75.1		268	45.0	46.3
125	14907	15093	14783	-66.9	-55.7	-82.3		266	39.3	40.4
100	16243	16423	16117	-70.3	-59.7	-82.5		266	31.4	32.3
80	17566	17739	17429	-70.6	-60.7	-88.1		267	21.7	22.7
70	18360	18523	18211	-69.4	-56.5	-86.3		267	16.8	18.1
60	19283	19455	19150	-67.1	-53.1	-77.9		270	12.2	14.0
50	20391	20580	20246	-63.8	-47.1	-75.1		275	8.5	11.3
40	21764	22016	21605	-60.4	-39.5	-70.7		279	6.6	10.2
30	23562	23832	23399	-57.2	-44.7	-68.1		278	5.3	11.4
25	24717	25089	24528	-55.4	-44.5	-67.5		291	3.9	11.0
20	26106	26577	25902	-54.3	-43.1	-65.5				
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
701	3080	3860	2710	219	11470	-58.5	102	16220	-72.0

NORMALS OF RADIOSONDE DATA

MONTH : FEBRUARY TIME : 0530 IST STATION : NEW DELHI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	981	984	978	12.2	21.0	4.0	6.2	305	1.9	3.7
1000	115	138	81							
950	547	569	513	15.0	24.6	6.4	4.6	309	3.8	6.9
925	774	796	761	14.5	25.0	6.2	3.3	309	3.6	6.7
900	1004	1029	973	13.1	23.6	3.0	-0.4	304	4.3	7.2
850	1482	1510	1454	10.4	21.2	1.0	-3.5	294	5.4	7.7
800	1984	2016	1958	7.4	19.8	-2.3	-5.6	288	6.3	8.4
750	2511	2544	2486	4.0	16.0	-5.0	-8.0	283	7.3	9.3
700	3069	3111	3039	0.4	12.8	-9.0	-10.8	278	8.6	10.4
650	3659	3704	3623	-3.4	10.0	-14.0	-14.3	274	10.3	12.0
600	4288	4345	4251	-7.5	5.8	-19.0	-18.6	272	12.7	14.4
550	4959	5020	4913	-11.9	1.8	-22.1	-22.7	271	15.8	17.6
500	5683	5751	5633	-16.8	-4.0	-28.0	-27.0	271	19.4	21.1
450	6465	6535	6410	-22.3	-11.1	-33.0	-31.2	271	23.6	25.5
400	7321	7399	7266	-28.3	-17.9	-39.9	-36.4	271	28.2	30.4
350	8266	8347	8205	-34.8	-18.7	-47.9	-42.6	271	33.4	35.8
300	9329	9420	9254	-41.5	-24.5	-57.9		271	39.8	42.4
250	10548	10660	10451	-48.3	-34.3	-60.5		271	46.3	49.0
200	11996	12129	11874	-54.4	-42.5	-69.5		269	49.3	51.8
175	12844	12979	12708	-57.8	-45.7	-71.1		270	47.8	50.0
150	13807	13929	13659	-62.0	-51.3	-73.9		269	44.1	45.9
125	14920	15030	14760	-66.4	-55.7	-81.7		269	38.8	40.2
100	16258	16362	16083	-70.1	-59.0	-82.1		268	30.6	31.7
80	17579	17696	17405	-70.7	-58.5	-86.1		267	20.5	21.5
70	18373	18484	18199	-69.8	-54.7	-82.3		267	16.1	17.4
60	19298	19409	19119	-67.2	-50.5	-82.9		271	11.5	13.5
50	20407	20555	20229	-63.6	-41.1	-77.1		275	8.3	11.0
40	21791	21960	21612	-60.0	-49.9	-74.5		280	6.2	9.8
30	23599	23808	23367	-56.5	-45.5	-71.0		282	6.3	10.8
25	24751	24994	24497	-55.2	-44.3	-68.0				
20	26188	26577	25760	-52.8	-42.9	-65.1				
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
696	3130	3700	2730	227	11300	-56.8	101	16310	-71.9

NORMALS OF RADIOSONDE DATA

MONTH : MARCH TIME : 0530 IST STATION : NEW DELHI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	979	980	976	16.9	26.0	7.2	9.2	310	2.0	3.7
1000	88	103	64							
950	527	541	509	20.0	31.0	9.2	7.0	313	4.3	7.3
925	757	769	732	19.5	30.2	12.2	6.3	316	4.8	6.9
900	993	1007	972	18.4	29.6	6.2	2.3	308	4.8	7.5
850	1479	1496	1462	15.2	25.0	3.0	-0.5	296	6.5	8.4
800	1989	2012	1971	11.6	21.4	-1.3	-2.8	290	7.9	9.4
750	2524	2552	2500	7.6	17.8	-3.5	-5.6	285	8.7	10.2
700	3089	3122	3059	3.5	12.4	-7.7	-8.5	282	9.6	11.2
650	3685	3727	3648	-0.7	8.0	-12.3	-11.8	277	10.7	12.3
600	4320	4365	4279	-5.0	6.2	-17.0	-15.7	275	12.2	13.7
550	4997	5052	4952	-9.6	-1.0	-20.0	-20.0	273	14.4	15.9
500	5728	5788	5677	-14.7	-6.1	-25.5	-24.9	273	17.2	18.8
450	6516	6587	6459	-20.4	-10.0	-31.5	-29.8	272	20.4	22.0
400	7378	7458	7319	-26.7	-15.9	-38.7	-34.9	272	24.2	25.9
350	8329	8420	8261	-33.7	-18.1	-47.7	-41.1	272	28.0	30.1
300	9394	9495	9318	-41.3	-24.7	-54.7	-48.1	272	32.8	35.4
250	10611	10719	10521	-49.1	-32.1	-62.5		271	37.3	40.4
200	12053	12177	11947	-55.2	-42.5	-67.1		270	41.3	44.0
175	12900	13029	12777	-58.1	-46.1	-71.3		270	40.9	43.1
150	13863	13987	13740	-61.9	-50.7	-75.7		270	37.7	39.6
125	14979	15109	14849	-66.2	-54.9	-78.0		269	32.2	33.8
100	16316	16469	16168	-70.1	-56.1	-80.7		268	25.1	26.3
80	17639	17808	17470	-70.9	-54.5	-82.1		268	16.7	18.1
70	18431	18615	18255	-69.8	-51.7	-81.1		268	12.7	14.2
60	19354	19566	19179	-67.0	-49.1	-79.1		273	8.8	11.1
50	20460	20707	20275	-63.1	-45.5	-74.1		287	5.7	9.3
40	21839	22122	21653	-59.4	-47.7	-72.1		295	4.1	8.6
30	23658	23989	23456	-55.2	-41.9	-69.1		299	3.3	8.6
25	24826	25190	24575	-52.8	-39.1	-67.1		288	4.0	8.8
20	26262	26579	25792	-50.6	-41.3	-64.9				
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
658	3590	4080	3150	225	11340	-57.3	100	16360	-72.0

NORMALS OF RADIOSONDE DATA

MONTH : APRIL TIME : 0530 IST STATION : NEW DELHI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	975	977	972	23.2	32.0	12.4	10.3	307	1.7	3.5
1000	48	71	25							
950	495	515	476	25.8	34.0	12.6	8.8	313	3.7	7.1
925	736	747	709	25.5	35.6	12.2	8.5	318	3.4	6.3
900	970	987	953	24.0	33.2	9.6	5.2	312	4.4	7.0
850	1467	1486	1448	20.5	29.8	7.4	2.1	301	5.9	7.6
800	1986	2009	1962	16.5	25.2	5.2	-0.6	294	7.5	8.8
750	2529	2556	2498	12.0	20.8	1.4	-3.3	291	8.7	10.1
700	3103	3131	3060	7.2	15.6	-3.1	-6.2	288	9.7	11.2
650	3707	3738	3657	2.6	11.2	-8.9	-9.4	285	10.1	11.8
600	4349	4385	4292	-2.1	7.0	-12.9	-13.9	283	10.5	12.4
550	5033	5071	4971	-6.9	2.8	-16.7	-18.4	280	11.2	13.0
500	5771	5817	5702	-12.1	-4.1	-22.9	-23.3	277	12.6	14.4
450	6567	6618	6493	-17.8	-8.0	-27.1	-28.5	276	14.5	16.4
400	7439	7505	7360	-24.3	-15.1	-35.1	-33.7	275	17.0	19.2
350	8397	8473	8314	-31.5	-17.7	-44.5	-39.9	275	20.1	22.5
300	9472	9565	9381	-39.4	-25.7	-52.5	-47.0	274	24.0	26.6
250	10698	10816	10597	-47.4	-33.0	-60.9		273	28.7	31.6
200	12150	12298	12035	-54.2	-40.1	-66.7		272	32.5	35.2
175	13000	13164	12880	-57.3	-45.1	-70.0		271	32.3	34.6
150	13964	14121	13822	-61.1	-48.7	-72.0		270	30.0	32.0
125	15082	15224	14924	-65.9	-50.1	-80.1		269	25.8	27.4
100	16422	16538	16278	-70.3	-57.3	-83.5		269	18.9	20.3
80	17736	17852	17611	-71.7	-57.9	-86.1		268	11.3	13.0
70	18528	18639	18397	-70.3	-56.7	-80.5		271	7.6	10.0
60	19448	19585	19288	-67.0	-53.3	-81.0		285	4.6	8.1
50	20560	20709	20395	-62.6	-48.9	-79.1		308	2.6	6.7
40	21955	22129	21758	-57.6	-44.5	-76.1		324	2.0	6.6
30	23791	23964	23593	-52.8	-42.3	-71.0		304	2.9	6.9
25	24970	25151	24751	-50.1	-38.7	-67.0		290	3.5	7.5
20	26432	26632	26251	-47.6	-35.1	-64.7				
15	28310	28625	28126	-45.5	-30.7	-62.7				
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
623	4050	4540	3620	210	11850	-57.4	96	16720	-72.6

NORMALS OF RADIOSONDE DATA

MONTH : MAY TIME : 0530 IST STATION : NEW DELHI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	971	975	968	27.3	36.0	15.4	12.8	271	1.4	3.8
1000	14	50	1							
950	463	499	440	28.8	37.6	16.6	12.2	279	3.1	7.6
925	703	716	683	28.9	37.4	19.0	12.7	293	3.1	7.2
900	944	974	924	27.5	36.4	15.0	9.3	289	4.1	7.6
850	1447	1470	1432	24.0	33.6	11.0	6.7	293	5.5	7.7
800	1973	1992	1959	20.0	30.4	9.2	3.8	295	6.7	8.2
750	2523	2547	2502	15.4	26.8	5.4	0.9	294	7.9	9.1
700	3104	3132	3083	10.5	22.8	1.2	-2.4	294	8.7	10.1
650	3715	3748	3689	5.5	19.0	-4.5	-6.3	296	9.3	10.9
600	4364	4403	4336	0.5	13.6	-7.9	-10.8	296	9.5	11.4
550	5055	5100	5025	-4.3	6.4	-13.9	-16.1	295	9.7	11.6
500	5801	5851	5762	-9.1	0.0	-18.1	-21.2	290	10.1	12.2
450	6607	6663	6559	-14.3	-3.7	-24.1	-26.0	284	11.3	13.5
400	7491	7552	7431	-20.3	-8.5	-30.3	-31.0	281	13.4	15.6
350	8466	8543	8395	-27.1	-11.1	-38.9	-37.0	277	16.5	18.9
300	9562	9663	9478	-34.4	-19.9	-47.3	-44.2	275	19.4	21.9
250	10816	10944	10716	-42.4	-30.5	-55.9		271	23.0	25.5
200	12293	12447	12174	-51.4	-40.5	-68.1		268	25.2	27.5
175	13153	13326	13017	-56.2	-46.5	-76.1		266	24.3	26.5
150	14120	14303	13972	-61.5	-51.9	-78.7		265	22.2	24.1
125	15234	15428	15068	-67.4	-56.3	-78.3		264	18.7	20.7
100	16561	16770	16364	-72.5	-61.5	-84.0		263	12.6	14.6
80	17872	18079	17686	-73.4	-59.1	-88.0		267	5.7	9.6
70	18657	18870	18474	-71.1	-56.3	-86.3		283	1.9	7.7
60	19577	19771	19396	-67.0	-52.1	-84.9		051	1.6	7.2
50	20688	20885	20512	-61.7	-48.3	-80.3		077	2.6	7.1
40	22089	22294	21905	-56.5	-44.5	-78.5		077	3.6	7.2
30	23940	24126	23750	-51.3	-40.7	-75.1		074	4.0	7.4
25	25133	25330	24918	-48.6	-35.5	-71.1		084	4.2	8.0
20	26612	26881	26367	-46.0	-31.1	-69.3		092	2.3	7.9
15	28539	28801	28308	-43.8	-33.9	-64.7				
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
593	4460	5060	4040	199	12330	-57.8	96	16860	-74.5

NORMALS OF RADIOSONDE DATA

MONTH : JUNE TIME : 0530 IST STATION : NEW DELHI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	967	969	964	28.9	37.0	21.0	19.1	252	1.2	3.9
1000	25	54	3							
950	431	450	410	29.2	36.8	20.0	18.3	253	3.1	7.7
925	673	687	659	28.9	38.0	20.2	18.4	265	2.6	7.2
900	913	931	888	27.6	38.6	15.8	15.4	272	4.1	8.2
850	1418	1434	1394	24.4	35.6	14.2	12.7	287	4.8	7.8
800	1946	1962	1924	20.7	33.8	11.0	10.1	297	5.2	7.5
750	2498	2519	2476	16.6	29.2	8.0	6.9	306	5.6	7.6
700	3083	3106	3061	12.2	19.8	4.0	2.7	311	6.0	8.1
650	3699	3725	3677	7.7	17.8	-3.9	-2.1	315	6.2	8.4
600	4355	4384	4329	3.2	10.2	-4.1	-7.2	315	6.0	8.3
550	5054	5087	5022	-1.1	8.4	-9.5	-11.6	310	5.6	8.2
500	5810	5848	5768	-5.0	4.8	-15.9	-14.9	299	5.1	8.3
450	6631	6675	6580	-9.0	2.6	-19.0	-18.8	287	5.5	9.3
400	7535	7586	7478	-13.8	-3.3	-26.5	-24.1	280	6.8	10.8
350	8537	8600	8474	-19.8	-9.9	-33.9	-29.7	275	8.4	12.1
300	9667	9744	9595	-27.4	-15.7	-41.3	-36.7	270	9.7	13.3
250	10955	11047	10869	-36.6	-26.3	-49.3		267	10.2	13.8
200	12465	12575	12360	-48.1	-38.5	-60.1		262	10.1	13.9
175	13332	13455	13212	-54.8	-44.7	-67.3		261	9.8	13.7
150	14302	14438	14166	-62.1	-52.1	-76.0		261	8.4	12.6
125	15409	15569	15258	-69.5	-49.7	-82.0		262	5.8	10.7
100	16721	16902	16535	-75.4	-62.5	-88.7		291	1.8	8.7
80	18007	18233	17788	-75.2	-52.7	-87.0		072	4.7	9.0
70	18781	19032	18554	-72.3	-57.7	-83.0		082	7.6	9.9
60	19698	19990	19467	-67.3	-52.0	-79.3		087	9.5	11.0
50	20808	21129	20572	-61.4	-45.0	-71.7		087	10.3	11.5
40	22203	22539	21916	-56.3	-41.0	-70.0		084	12.0	13.0
30	24055	24429	23820	-51.4	-40.3	-62.7		087	14.0	14.8
25	25238	25660	24974	-49.1	-36.7	-57.9		090	14.4	14.9
20	26721	27180	26494	-46.5	-33.9	-55.5		090	14.1	14.7
15	28625	29336	28287	-44.2	-34.1	-52.3				
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
559	4940	5530	4530				96	16980	-77.2

NORMALS OF RADIOSONDE DATA

MONTH : JULY TIME : 0530 IST STATION : NEW DELHI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	967	969	966	27.7	35.0	22.2	23.5	211	0.8	3.3
1000	26	40	8							
950	427	444	412	27.2	34.0	19.8	23.0	227	1.9	6.4
925	665	681	653	26.4	32.2	19.0	22.4	210	1.5	6.2
900	908	923	893	25.1	32.6	16.6	20.4	249	2.1	7.0
850	1409	1426	1392	22.3	29.0	11.6	18.0	279	1.8	7.1
800	1936	1951	1918	19.1	24.8	12.8	15.3	311	1.5	6.7
750	2487	2505	2466	15.8	20.6	9.0	12.2	337	1.5	6.5
700	3072	3090	3050	12.4	19.8	6.2	8.1	351	1.7	6.3
650	3690	3711	3665	9.0	19.2	2.8	3.6	003	1.6	5.9
600	4351	4374	4326	5.5	13.8	-0.9	-1.3	008	1.4	5.7
550	5058	5083	5030	1.7	8.0	-6.0	-5.5	022	0.6	5.6
500	5822	5852	5793	-2.1	4.8	-8.9	-9.4	155	0.4	5.7
450	6652	6689	6620	-6.4	0.0	-14.7	-14.1	160	1.0	6.0
400	7567	7614	7527	-11.4	-2.9	-19.5	-20.4	161	1.3	6.2
350	8578	8633	8534	-17.5	-10.9	-28.1	-26.6	165	1.2	6.3
300	9719	9785	9654	-25.3	-17.3	-34.3	-34.4	168	1.3	6.6
250	11017	11089	10934	-35.1	-25.1	-45.5	-43.1	154	1.6	7.4
200	12534	12619	12422	-47.4	-35.5	-60.9		131	2.0	8.4
175	13402	13496	13274	-54.8	-42.7	-68.1		113	2.4	9.1
150	14371	14477	14234	-62.7	-49.9	-76.5		093	3.5	9.5
125	15473	15582	15312	-70.6	-59.1	-81.7		074	5.9	10.1
100	16776	16891	16582	-76.2	-63.7	-86.7		070	9.9	12.1
80	18063	18188	17811	-75.1	-60.7	-86.0		075	13.7	14.6
70	18842	18984	18573	-71.7	-52.9	-80.0		080	14.9	15.6
60	19764	19928	19490	-66.5	-51.1	-77.0		086	15.9	16.4
50	20878	21069	20598	-61.1	-46.1	-73.9		085	16.2	16.5
40	22281	22488	22001	-56.5	-42.3	-72.1		085	17.7	18.0
30	24128	24353	23826	-51.9	-40.9	-68.7		088	19.6	20.1
25	25330	25555	24977	-49.5	-39.1	-66.9		089	21.0	21.4
20	26821	27044	26685	-46.9	-35.9	-64.3		090	22.1	22.6
15	28723	28980	28408	-44.9	-37.7	-61.9				
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
527	5400	5930	4910				99	16880	-77.6

NORMALS OF RADIOSONDE DATA

MONTH : AUGUST TIME : 0530 IST STATION : NEW DELHI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	969	971	967	26.8	35.0	22.0	23.5	239	0.8	3.4
1000	10	27	0							
950	444	465	423	26.3	33.8	18.8	22.8	239	1.9	6.6
925	685	695	678	25.4	31.4	18.8	21.5	250	1.7	6.4
900	924	943	905	24.1	30.2	19.2	20.3	255	1.3	7.0
850	1424	1443	1407	21.4	27.4	16.0	17.7	320	0.7	6.9
800	1948	1970	1931	18.3	24.2	14.0	15.1	008	1.2	6.8
750	2498	2524	2480	15.2	20.8	10.2	11.6	028	1.6	6.5
700	3083	3109	3062	12.0	18.2	5.2	7.5	038	1.7	6.2
650	3700	3732	3678	8.7	16.2	0.6	2.9	041	1.6	5.9
600	4361	4396	4335	5.3	11.8	-3.1	-1.5	053	1.3	5.4
550	5067	5108	5038	1.6	8.4	-4.9	-5.4	079	1.2	5.3
500	5832	5876	5800	-2.2	4.8	-9.9	-9.6	107	1.2	5.3
450	6661	6712	6627	-6.7	-0.3	-12.1	-14.4	117	1.4	5.5
400	7575	7627	7539	-11.9	-4.7	-18.9	-20.3	127	1.4	5.8
350	8583	8643	8542	-18.3	-11.1	-26.5	-27.3	142	1.4	6.0
300	9721	9782	9663	-26.1	-17.3	-35.5	-35.0	151	1.6	6.3
250	11015	11082	10937	-36.1	-26.5	-46.5	-43.8	148	1.9	7.0
200	12525	12602	12417	-48.6	-38.9	-60.0		133	2.3	8.0
175	13389	13475	13261	-56.0	-46.3	-70.0		118	2.7	8.7
150	14352	14447	14201	-63.9	-50.1	-75.9		096	3.2	8.9
125	15446	15559	15279	-71.7	-55.1	-85.9		076	5.4	9.5
100	16743	16882	16552	-76.8	-63.3	-87.0		073	8.7	10.7
80	18025	18177	17815	-74.7	-61.9	-86.0		078	12.3	13.0
70	18808	18970	18594	-70.9	-58.1	-84.0		084	13.9	14.4
60	19734	19910	19515	-65.9	-51.7	-78.0		088	14.0	14.3
50	20853	21039	20630	-61.1	-46.5	-73.1		086	14.9	15.3
40	22256	22439	21999	-56.7	-45.0	-69.3		085	16.3	16.6
30	24095	24292	23794	-52.4	-40.0	-66.1		088	19.2	19.7
25	25281	25511	25005	-50.2	-40.1	-62.9		092	20.2	20.6
20	26748	26960	26568	-48.2	-38.3	-61.5		093	21.4	21.8
15	28649	28856	28428	-45.6	-36.1	-59.5				
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
528	5390	5850	5090				100	16750	-78.2

NORMALS OF RADIOSONDE DATA

MONTH : SEPTEMBER TIME : 0530 IST STATION : NEW DELHI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	973	975	972	25.4	30.6	16.0	20.4	263	1.2	3.4
1000	32	47	15							
950	483	498	468	25.7	32.4	18.0	19.5	268	2.8	6.7
925	720	733	711	24.8	30.8	19.2	18.7	298	1.4	5.9
900	960	974	948	23.6	29.8	16.8	16.6	297	2.5	6.7
850	1458	1473	1445	20.5	26.6	13.8	13.6	318	3.0	7.0
800	1980	1996	1958	17.2	23.8	12.0	10.3	326	3.7	7.0
750	2527	2545	2511	13.7	19.2	8.8	5.8	331	3.8	7.0
700	3108	3124	3091	10.1	16.6	4.0	1.2	337	3.4	6.6
650	3719	3738	3699	6.3	13.4	-3.5	-3.2	341	2.8	6.1
600	4373	4392	4351	2.6	11.0	-6.1	-7.2	328	1.9	5.8
550	5071	5094	5044	-1.0	6.6	-12.9	-10.5	291	1.6	5.9
500	5828	5856	5799	-4.7	3.4	-17.1	-14.0	261	2.6	6.6
450	6649	6685	6610	-9.2	-0.5	-22.5	-18.4	258	4.1	7.5
400	7553	7590	7501	-14.6	-6.7	-25.7	-24.0	260	5.8	8.7
350	8551	8597	8486	-21.2	-11.7	-31.9	-31.1	258	7.7	10.2
300	9674	9725	9592	-29.0	-19.1	-39.9	-38.6	256	9.4	11.5
250	10952	11013	10857	-38.8	-25.9	-50.7		253	10.7	12.7
200	12446	12519	12329	-50.7	-38.1	-66.1		251	10.9	13.3
175	13302	13384	13173	-57.7	-45.5	-70.1		250	10.3	12.9
150	14257	14352	14115	-65.2	-53.3	-77.9		251	8.9	11.7
125	15346	15448	15185	-72.4	-61.5	-83.1		258	5.9	9.7
100	16642	16735	16459	-76.7	-66.5	-88.3		281	1.9	7.6
80	17930	18034	17739	-73.6	-58.5	-85.1		065	3.2	6.8
70	18714	18834	18509	-69.4	-55.0	-84.0		076	5.2	7.4
60	19645	19779	19421	-64.5	-49.0	-79.0		085	6.4	7.8
50	20773	20942	20523	-60.2	-47.0	-73.3		085	7.8	8.9
40	22180	22376	21906	-56.2	-41.9	-68.0		082	10.7	11.3
30	24013	24271	23731	-52.1	-37.1	-65.0		087	12.7	13.5
25	25182	25441	24855	-50.4	-39.5	-62.0		090	12.2	13.3
20	26642	26935	26354	-48.3	-37.7	-57.1				
15	28524	28854	28203	-46.3	-39.7	-55.9				
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
564	4880	5360	4420				103	16480	-77.7

NORMALS OF RADIOSONDE DATA

MONTH : OCTOBER TIME : 0530 IST STATION : NEW DELHI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	978	982	976	21.4	29.0	15.0	12.8	284	1.3	2.9
1000	82	120	59							
950	527	562	504	24.0	30.8	16.0	11.7	289	2.4	5.4
925	766	793	750	23.4	29.6	15.2	10.9	314	2.3	4.5
900	1001	1029	979	21.8	28.0	10.8	7.8	311	3.0	5.3
850	1494	1517	1472	18.4	26.8	10.4	3.9	311	4.5	6.3
800	2011	2030	1988	14.7	22.4	7.6	0.4	310	5.6	7.3
750	2551	2569	2528	10.7	18.0	1.6	-3.2	311	6.1	7.8
700	3123	3142	3098	6.7	14.0	-0.9	-7.3	313	6.0	7.7
650	3727	3747	3700	2.8	10.6	-6.1	-11.3	308	5.5	7.5
600	4371	4394	4342	-1.0	8.8	-10.5	-15.3	297	5.5	7.7
550	5059	5092	5028	-4.9	5.0	-13.9	-19.2	286	6.7	8.8
500	5803	5845	5770	-9.4	2.0	-18.9	-22.9	277	8.9	10.9
450	6609	6657	6570	-14.5	-4.0	-24.0	-27.0	273	12.1	14.1
400	7493	7562	7435	-20.4	-10.1	-31.3		270	15.5	17.5
350	8468	8548	8390	-27.0	-15.9	-40.9		267	19.5	21.5
300	9565	9672	9462	-34.3	-23.1	-46.9		265	23.6	25.5
250	10819	10947	10687	-42.9	-31.9	-56.3		262	27.2	28.9
200	12291	12438	12137	-53.1	-43.9	-64.3		259	29.2	30.7
175	13142	13298	12981	-58.9	-49.0	-70.5		258	28.1	29.6
150	14094	14251	13924	-65.0	-55.5	-76.1		259	26.0	27.4
125	15189	15340	15016	-70.8	-59.3	-83.5		260	21.7	22.8
100	16497	16641	16343	-74.3	-59.5	-87.1		263	14.6	15.8
80	17798	17957	17639	-72.3	-58.5	-85.9		272	6.6	9.2
70	18588	18762	18413	-69.1	-56.9	-82.0		280	3.5	7.2
60	19517	19704	19326	-65.0	-52.5	-77.3		334	1.3	5.7
50	20642	20841	20417	-61.0	-48.9	-73.5		033	1.1	5.6
40	22042	22261	21794	-57.2	-45.9	-68.9		062	2.1	5.8
30	23869	24163	23568	-53.4	-42.7	-66.1		078	2.5	6.3
25	25060	25369	24755	-51.4	-40.1	-64.3		091	2.5	7.1
20	26514	26873	26194	-48.7	-36.5	-62.3		113	1.9	7.2
15	28402	28816	27780	-46.5	-39.5	-59.7				
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
611	4230	4850	3810				105	16230	-75.3

NORMALS OF RADIOSONDE DATA

MONTH : NOVEMBER TIME : 0530 IST STATION : NEW DELHI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	982	984	980	16.1	25.0	8.6	7.3	302	1.8	2.9
1000	119	139	101							
950	557	579	539	19.8	30.0	12.8	6.8	307	3.1	5.3
925	789	806	777	18.8	29.2	11.6	5.8	312	3.0	4.8
900	1022	1040	1003	17.3	26.0	10.0	2.7	311	3.8	5.5
850	1507	1524	1485	14.2	23.0	6.0	-1.1	309	4.8	6.2
800	2016	2031	1991	11.0	20.0	2.0	-4.4	309	5.4	6.9
750	2550	2564	2522	7.8	16.4	-2.3	-7.1	306	5.7	7.3
700	3116	3130	3082	4.4	13.8	-4.0	-10.9	301	6.0	7.6
650	3714	3732	3676	1.0	10.0	-10.0	-13.9	293	6.8	8.4
600	4354	4373	4307	-2.8	6.0	-13.9	-17.8	285	8.6	10.3
550	5037	5061	4982	-7.1	4.8	-17.5	-22.1	281	10.9	12.5
500	5774	5805	5710	-12.0	6.0	-22.3	-25.0	278	14.1	15.7
450	6571	6613	6497	-17.6	-7.0	-27.9	-29.7	277	17.7	19.4
400	7443	7501	7360	-24.0	-15.0	-35.9	-34.9	275	21.5	23.5
350	8403	8479	8310	-31.0	-21.5	-43.1	-39.8	273	26.1	28.3
300	9481	9577	9377	-38.5	-27.1	-53.5		271	30.8	33.1
250	10713	10830	10596	-46.6	-38.3	-62.5		269	35.7	38.1
200	12165	12293	12028	-55.3	-45.5	-67.9		266	38.8	40.9
175	13009	13139	12857	-59.8	-49.3	-70.1		266	38.1	40.0
150	13964	14090	13807	-64.3	-52.9	-76.3		265	35.6	37.2
125	15064	15184	14866	-68.8	-60.1	-83.0		266	31.0	32.2
100	16383	16494	16159	-72.3	-61.3	-86.1		267	24.0	25.2
80	17695	17805	17431	-71.7	-60.1	-84.3		271	15.4	16.9
70	18486	18609	18215	-69.7	-55.9	-82.0		275	10.9	13.0
60	19413	19551	19143	-66.3	-53.9	-79.0		279	7.0	10.3
50	20527	20681	20278	-62.7	-49.1	-75.0		286	4.6	8.6
40	21912	22091	21640	-58.7	-46.5	-69.9		286	3.7	8.1
30	23725	23911	23432	-54.6	-41.3	-65.9		292	3.6	8.6
25	24891	25067	24644	-52.7	-39.9	-62.1		284	3.1	9.1
20	26344	26481	26084	-50.3	-37.9	-61.3				
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
637	3890	4360	3400	185	12700	-61.6	105	16140	-73.5

NORMALS OF RADIOSONDE DATA

MONTH : DECEMBER TIME : 0530 IST STATION : NEW DELHI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	984	986	981	11.3	19.0	2.0	4.9	307	2.2	3.2
1000	140	153	118							
950	570	584	548	14.9	23.4	4.0	3.9	310	4.1	5.9
925	800	811	792	14.5	21.6	5.4	2.1	314	4.1	5.4
900	1028	1044	1009	13.3	23.4	5.0	-0.9	313	4.3	6.1
850	1507	1524	1488	11.1	20.8	1.4	-4.2	308	4.8	6.5
800	2010	2030	1990	8.6	18.8	-1.7	-6.8	302	5.4	7.0
750	2540	2560	2520	5.8	15.4	-5.1	-9.2	294	6.0	7.6
700	3102	3132	3082	2.7	12.0	-6.7	-12.4	286	7.0	8.7
650	3697	3733	3674	-0.9	9.4	-11.1	-15.9	281	8.7	10.3
600	4332	4380	4304	-4.9	4.8	-14.9	-19.5	277	11.2	12.8
550	5009	5064	4973	-9.4	-0.7	-21.1	-23.0	276	13.8	15.4
500	5740	5810	5697	-14.5	-6.1	-24.9	-26.7	274	17.3	18.8
450	6529	6608	6477	-20.1	-11.9	-30.3	-31.6	273	21.3	22.9
400	7393	7485	7331	-26.4	-18.0	-36.5	-36.5	272	25.6	27.3
350	8344	8447	8274	-33.3	-23.3	-43.7	-42.1	272	30.3	32.1
300	9412	9527	9327	-40.8	-29.5	-53.5	-48.5	271	35.7	37.8
250	10631	10759	10528	-48.8	-37.1	-60.9		268	41.3	43.7
200	12071	12211	11953	-56.8	-43.7	-70.5		267	45.2	47.5
175	12910	13056	12785	-60.4	-49.7	-73.7		266	44.3	46.3
150	13862	14013	13733	-63.7	-49.0	-77.9		267	40.8	42.4
125	14970	15125	14834	-67.4	-57.5	-78.5		266	36.8	38.0
100	16303	16454	16171	-70.5	-55.9	-79.9		267	30.1	31.0
80	17624	17764	17488	-70.8	-57.7	-83.7		268	21.0	22.0
70	18417	18548	18283	-69.5	-54.0	-80.0		270	16.4	17.7
60	19341	19495	19213	-67.0	-53.5	-78.0		272	12.2	13.7
50	20449	20640	20291	-63.7	-49.3	-76.0		277	8.7	11.0
40	21826	22041	21646	-60.2	-44.7	-72.3		276	7.7	10.4
30	23629	23924	23343	-56.6	-42.1	-70.1		280	7.7	11.2
25	24781	25086	24516	-54.3	-40.3	-68.9		274	7.8	11.7
20	26204	26559	25958	-52.1	-40.5	-66.1				
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
665	3530	4210	3050	193	12330	-61.9	102	16260	-72.1

NORMALS OF RADIOSONDE DATA

MONTH : JANUARY TIME : 0530 IST STATION : PATIALA

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	986	988	984	7.8	15.4	2.6	6.7	329	0.8	1.6
1000	132	148	118							
950	558	577	543	12.4	27.0	3.6	4.0	339	3.7	6.0
925	780	801	770	12.1	26.4	2.8	1.4	331	4.0	7.1
900	1012	1032	993	11.5	24.8	2.8	-1.3	329	3.7	6.6
850	1488	1511	1467	8.8	23.6	0.2	-4.9	314	2.8	6.2
800	1987	2013	1962	5.9	20.8	-3.0	-7.3	299	2.4	6.4
750	2511	2543	2480	2.7	17.2	-10.0	-9.5	283	2.6	6.5
700	3067	3103	3030	-0.7	13.8	-10.5	-12.5	272	3.4	6.8
650	3655	3695	3618	-4.4	9.4	-18.0	-15.8	269	5.0	8.0
600	4282	4329	4234	-8.3	4.4	-19.5	-18.8	270	7.9	10.5
550	4951	5008	4897	-12.7	-0.3	-23.9	-23.1	270	10.9	13.4
500	5673	5742	5610	-17.7	-5.5	-28.3	-27.0	271	14.9	17.2
450	6453	6534	6386	-23.1	-10.1	-35.0	-31.2	271	19.1	21.4
400	7307	7402	7231	-29.0	-13.1	-41.0	-36.7	272	24.1	26.5
350	8250	8363	8156	-35.7	-16.9	-52.1	-42.2	272	29.6	32.0
300	9308	9443	9192	-42.6	-24.9	-57.0		271	34.7	37.4
250	10523	10690	10390	-49.3	-30.7	-61.9		270	40.3	42.9
200	11967	12170	11822	-54.4	-37.3	-70.7		270	44.3	46.7
175	12821	13031	12695	-56.9	-38.7	-70.7		271	44.0	46.1
150	13784	14017	13652	-59.6	-49.9	-73.9		270	41.7	43.6
125	14910	15185	14775	-63.0	-51.5	-75.9		270	35.9	37.4
100	16264	16532	16074	-66.2	-54.1	-77.7		269	29.9	31.2
80	17612	17859	17378	-66.7	-55.3	-80.7		270	22.0	23.8
70	18415	18675	18160	-65.8	-54.1	-77.5		270	17.8	19.8
60	19350	19600	19033	-64.2	-53.7	-75.1				
50	20474	20733	20268	-61.5	-49.7	-73.7				
40	21867	22244	21634	-59.1	-45.5	-74.7				
30										
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
709	2980	3710	2430	223	11320	-56.7	100	16370	-68.2

NORMALS OF RADIOSONDE DATA

MONTH : FEBRUARY TIME : 0530 IST STATION : PATIALA

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	984	987	980	9.8	18.4	2.0	8.2	334	0.8	1.9
1000	112	144	83							
950	541	571	512	14.4	25.0	4.2	5.3	344	3.4	6.6
925	763	786	748	14.4	28.4	6.8	3.1	340	3.9	7.5
900	998	1028	970	13.0	26.4	2.6	0.1	333	3.5	7.3
850	1476	1502	1452	10.0	23.4	0.0	-4.0	313	3.1	7.0
800	1977	2007	1950	6.8	21.4	-3.7	-6.9	296	3.2	6.9
750	2503	2537	2475	3.2	16.6	-8.5	-9.2	285	3.7	7.2
700	3059	3095	3017	-0.5	13.0	-10.7	-11.7	279	4.5	7.8
650	3647	3692	3600	-4.5	9.4	-14.9	-15.5	278	6.1	8.8
600	4274	4326	4217	-8.6	5.4	-19.7	-18.7	275	8.4	10.8
550	4943	5003	4874	-13.1	1.2	-25.3	-22.3	273	11.0	13.3
500	5662	5732	5584	-18.1	-4.1	-30.1	-26.7	272	14.2	16.5
450	6441	6519	6349	-23.5	-8.7	-37.9	-31.6	272	18.6	20.7
400	7294	7378	7185	-29.4	-15.7	-40.1	-37.1	273	23.1	25.4
350	8235	8330	8113	-36.0	-18.7	-46.5	-42.6	274	28.6	31.1
300	9292	9428	9167	-42.8	-24.3	-56.0		273	35.0	37.9
250	10504	10682	10393	-49.4	-31.3	-65.0		273	41.3	44.2
200	11949	12167	11830	-53.9	-36.9	-68.7		271	45.0	47.6
175	12796	13036	12665	-56.1	-41.1	-70.7		271	44.2	46.3
150	13760	14037	13632	-59.0	-46.3	-74.5		270	42.1	44.2
125	14888	15181	14763	-62.6	-50.5	-75.1		269	37.2	38.5
100	16246	16557	16114	-65.7	-52.5	-77.0		270	29.5	31.1
80	17592	17873	17454	-66.7	-54.5	-79.5		268	20.1	21.5
70	18402	18684	18225	-65.8	-53.3	-79.1				
60	19345	19631	19131	-64.2	-50.5	-78.0				
50	20473	20788	20300	-61.4	-48.7	-72.7				
40	21863	22191	21640	-58.4	-45.9	-71.1				
30	23706	24168	23456	-54.7	-42.9	-65.7				
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
706	3000	3630	2460	231	11080	-56.2	98	16510	-67.6

NORMALS OF RADIOSONDE DATA

MONTH : MARCH TIME : 0530 IST STATION : PATIALA

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	981	983	978	13.7	26.6	4.0	11.6	333	1.0	2.1
1000	85	101	60							
950	520	535	491	18.8	29.8	5.6	8.2	348	3.9	7.0
925	746	760	726	19.1	30.8	10.2	5.6	336	4.4	7.8
900	984	1001	962	17.5	30.4	4.0	2.6	334	3.9	7.6
850	1470	1486	1448	14.3	26.4	0.0	-0.7	312	3.9	7.4
800	1978	1993	1958	10.7	21.0	-0.5	-3.7	298	4.6	7.5
750	2512	2529	2494	6.8	16.8	-5.3	-6.4	291	5.4	8.1
700	3074	3099	3057	2.7	13.6	-10.3	-9.2	287	6.3	8.7
650	3668	3701	3647	-1.6	10.8	-13.7	-12.6	281	7.2	9.6
600	4302	4343	4274	-6.1	6.4	-15.7	-15.7	276	8.8	11.0
550	4978	5028	4942	-10.7	1.6	-21.3	-20.4	274	10.8	13.0
500	5704	5766	5660	-15.7	-0.3	-28.1	-24.7	272	13.5	15.6
450	6491	6566	6438	-21.2	-4.9	-35.5	-30.2	272	17.0	19.1
400	7349	7442	7290	-27.5	-13.9	-40.1	-35.3	272	20.4	22.6
350	8296	8413	8229	-34.4	-18.3	-45.9	-41.3	272	24.8	27.5
300	9360	9504	9291	-41.9	-24.3	-53.7		272	30.8	33.6
250	10573	10739	10500	-49.6	-29.9	-63.3		272	37.1	39.8
200	12010	12205	11922	-54.9	-37.7	-68.7		272	41.6	44.0
175	12860	13142	12763	-56.9	-42.3	-71.5		271	41.1	43.1
150	13825	14146	13727	-59.8	-45.5	-74.1		270	39.8	41.4
125	14940	15187	14837	-63.5	-46.9	-77.1		270	34.3	35.6
100	16294	16574	16185	-66.7	-47.3	-79.3		269	24.6	25.6
80	17636	18140	17501	-67.5	-50.9	-79.1		270	16.5	17.6
70	18440	18679	18293	-66.8	-54.5	-78.9		272	12.5	13.7
60	19375	19620	19188	-64.5	-51.5	-79.5		276	8.2	10.9
50	20499	20766	20254	-60.8	-43.1	-75.9		284	5.9	9.5
40	21903	22164	21565	-57.3	-44.5	-71.7				
30	23774	24131	23270	-52.7	-38.7	-65.3				
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
669	3440	4000	3050	224	11290	-57.6	100	16370	-68.6

NORMALS OF RADIOSONDE DATA

MONTH : APRIL TIME : 0530 IST STATION : PATIALA

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	977	979	974	19.0	28.4	11.0	13.6	349	0.7	1.8
1000	47	63	23							
950	490	508	467	24.1	36.2	13.8	9.7	354	3.8	6.5
925	725	738	703	25.1	37.0	14.4	7.1	347	3.9	7.2
900	963	979	944	23.3	36.6	12.4	5.0	339	4.1	7.2
850	1458	1476	1441	19.8	35.8	7.8	1.7	320	4.3	7.2
800	1977	1998	1956	15.9	27.2	3.0	-1.4	308	5.2	7.5
750	2519	2541	2493	11.7	24.8	-0.3	-4.6	301	6.2	8.4
700	3092	3119	3061	7.0	21.2	-3.3	-7.1	296	7.2	9.3
650	3695	3727	3661	2.3	17.8	-8.7	-10.4	293	7.7	10.0
600	4337	4368	4297	-2.4	12.4	-13.5	-13.8	289	8.4	10.8
550	5021	5060	4970	-7.2	6.8	-18.7	-17.6	284	9.0	11.5
500	5757	5800	5710	-12.3	0.2	-22.0	-22.8	279	10.4	12.8
450	6554	6610	6500	-18.0	-6.3	-27.5	-27.7	277	12.2	14.6
400	7424	7488	7369	-24.4	-11.3	-35.5	-32.9	276	14.8	17.2
350	8383	8463	8319	-31.5	-17.5	-43.1	-39.6	276	17.7	20.3
300	9458	9551	9386	-39.5	-22.9	-53.3		275	21.2	24.0
250	10684	10810	10595	-47.7	-31.1	-66.5		273	25.7	28.7
200	12131	12280	12032	-53.9	-35.7	-67.7		272	30.2	32.7
175	12981	13151	12854	-56.3	-44.3	-68.3		271	31.0	33.2
150	13951	14149	13813	-59.1	-48.1	-72.5		271	29.6	31.4
125	15079	15301	14923	-63.0	-50.5	-76.3		270	25.3	26.8
100	16433	16694	16281	-67.0	-52.5	-79.7		271	18.3	19.5
80	17771	18080	17643	-68.1	-55.9	-82.9		270	12.1	13.9
70	18571	18889	18440	-66.9	-54.1	-80.7		273	7.9	10.6
60	19509	19821	19354	-64.1	-47.5	-76.5		284	5.6	9.2
50	20632	20981	20457	-60.2	-42.5	-72.0		296	2.9	7.1
40	22038	22391	21852	-55.9	-41.5	-68.0		314	1.5	6.7
30	23908	24264	23645	-51.1	-37.9	-64.0		304	3.2	8.0
25	25099	25449	24791	-48.8	-35.5	-59.5				
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
625	4000	4330	3630	210	11830	-57.9	99	16560	-69.0

NORMALS OF RADIOSONDE DATA

MONTH : MAY TIME : 0530 IST STATION : PATIALA

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	973	977	970	24.0	33.8	15.8	16.8	044	0.4	1.9
1000	13	46	0							
950	457	493	434	27.3	35.8	16.0	13.0	022	1.9	6.4
925	695	706	678	28.7	41.0	17.8	10.2	003	1.2	7.5
900	937	967	918	27.1	40.0	14.4	8.9	348	1.8	7.1
850	1439	1462	1422	23.7	35.4	11.2	6.1	314	2.8	6.6
800	1964	1987	1948	19.7	30.4	8.4	3.6	305	4.2	6.8
750	2514	2544	2500	15.4	25.2	4.2	0.6	300	5.5	7.8
700	3095	3129	3076	10.7	22.6	0.2	-2.8	300	6.9	8.9
650	3706	3748	3677	5.8	18.8	-4.7	-7.0	299	7.9	9.9
600	4356	4404	4321	1.0	15.0	-8.7	-10.8	299	8.5	10.6
550	5048	5102	5002	-4.0	7.8	-18.1	-15.4	296	8.8	11.2
500	5794	5860	5743	-9.0	4.4	-19.9	-20.0	292	9.4	12.0
450	6600	6684	6543	-14.3	-0.5	-26.1	-25.4	286	10.7	13.2
400	7484	7587	7418	-20.4	-5.3	-32.5	-30.7	282	12.5	15.1
350	8460	8592	8381	-27.1	-8.9	-40.7	-36.3	280	15.6	18.2
300	9556	9723	9461	-34.3	-17.5	-49.9		278	19.2	21.9
250	10810	11021	10687	-42.2	-27.3	-56.3		274	23.4	26.3
200	12291	12548	12140	-50.5	-37.1	-63.3		270	26.2	28.7
175	13156	13432	13000	-54.5	-43.9	-68.7		270	25.9	28.0
150	14134	14436	13958	-58.8	-45.5	-70.0		269	24.3	26.3
125	15268	15578	15076	-63.7	-50.1	-76.0		266	19.3	21.0
100	16620	16937	16419	-68.4	-55.7	-83.0		264	12.8	15.0
80	17952	18286	17732	-69.3	-54.1	-82.0		269	6.5	9.6
70	18755	19106	18531	-67.5	-49.1	-78.7		280	3.4	7.5
60	19695	20045	19478	-64.0	-50.5	-75.5		348	0.9	7.0
50	20830	21176	20584	-59.0	-45.5	-72.0		065	2.2	6.8
40	22250	22614	22003	-53.9	-42.1	-67.7		082	3.1	6.3
30	24119	24458	23974	-48.7	-38.5	-64.3		067	2.7	6.8
25	25313	25630	24720	-46.4	-37.1	-62.7		070	2.5	6.6
20	26796	27098	26155	-44.0	-32.5	-61.1				
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
590	4480	5190	3940				97	16860	-70.4

NORMALS OF RADIOSONDE DATA

MONTH : JUNE TIME : 0530 IST STATION : PATIALA

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	969	972	967	26.8	33.4	19.4	21.6	109	0.9	2.1
1000	26	46	9							
950	425	441	402	28.3	36.6	18.0	19.0	104	2.1	6.4
925	664	673	642	28.7	39.0	20.4	16.2	121	1.4	6.9
900	907	919	886	27.8	37.0	13.8	14.8	164	0.7	6.8
850	1412	1424	1389	24.8	34.4	11.0	11.7	276	1.6	6.3
800	1940	1952	1918	21.3	36.6	8.8	8.7	300	3.4	6.3
750	2495	2508	2474	17.2	39.6	5.8	5.5	307	5.0	7.0
700	3079	3093	3059	12.8	31.4	1.4	2.2	311	6.0	7.8
650	3696	3716	3670	8.3	24.6	-2.1	-2.4	315	6.4	8.3
600	4353	4378	4324	3.8	18.4	-7.1	-7.1	316	6.5	8.5
550	5053	5085	5016	-0.7	11.8	-12.1	-11.9	314	6.6	8.6
500	5810	5849	5765	-5.0	6.4	-17.1	-15.9	305	6.1	8.8
450	6630	6681	6579	-9.2	3.4	-21.1	-20.2	290	6.7	10.0
400	7534	7597	7468	-14.0	-2.7	-27.1	-25.1	280	8.8	12.5
350	8537	8615	8467	-19.6	-4.3	-34.9	-30.0	277	11.6	15.1
300	9667	9765	9592	-26.6	-8.9	-43.3	-37.3	273	13.9	16.9
250	10961	11088	10876	-35.2	-19.9	-52.3		268	15.8	18.8
200	12481	12640	12396	-46.2	-31.9	-60.9		266	16.0	19.0
175	13354	13551	13258	-52.6	-39.5	-63.7		266	15.1	17.9
150	14331	14544	14229	-59.4	-47.9	-69.7		266	13.8	16.7
125	15453	15627	15336	-66.5	-52.9	-78.1		266	10.7	13.8
100	16789	17028	16663	-72.2	-56.3	-84.0		274	5.5	9.9
80	18096	18364	17974	-72.2	-52.3	-85.0		035	1.5	8.3
70	18889	19170	18752	-69.2	-48.9	-81.7		070	4.7	8.6
60	19816	20067	19663	-64.6	-44.1	-80.3		086	8.5	9.8
50	20949	21213	20797	-59.0	-39.1	-79.3		089	10.0	10.9
40	22370	22645	22242	-53.6	-36.3	-73.7		085	10.7	11.5
30	24232	24571	24114	-48.9	-36.5	-68.7		085	10.8	11.9
25	25420	25745	25233	-46.7	-32.5	-65.9		085	11.4	12.5
20	26884	27131	26684	-44.5	-34.1	-62.7		091	10.4	12.2
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
555	4980	5540	4540				98	16960	-74.0

NORMALS OF RADIOSONDE DATA

MONTH : JULY TIME : 0530 IST STATION : PATIALA

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	969	971	968	27.0	32.6	22.2	25.1	113	1.0	1.5
1000	28	42	14							
950	424	437	409	27.1	37.6	20.6	23.6	125	2.8	5.2
925	657	673	643	26.4	34.2	14.0	21.2	142	3.5	5.9
900	905	917	891	25.6	36.8	13.0	20.4	151	2.6	6.0
850	1406	1419	1390	22.9	33.2	9.6	17.7	175	1.8	6.2
800	1933	1946	1914	19.8	29.4	10.0	14.9	229	0.8	6.2
750	2486	2501	2457	16.5	28.0	5.8	11.6	299	1.4	6.5
700	3071	3090	3045	12.9	23.0	4.2	7.8	323	1.9	6.3
650	3690	3715	3660	9.4	17.6	0.0	3.2	334	2.1	6.2
600	4352	4379	4319	5.8	14.2	-2.9	-1.8	330	1.7	5.7
550	5059	5096	5022	2.0	11.4	-7.9	-6.0	305	1.0	5.4
500	5823	5870	5783	-2.0	8.4	-12.9	-10.3	241	1.2	5.4
450	6654	6714	6613	-6.0	3.4	-14.3	-14.4	222	2.0	6.1
400	7569	7644	7530	-10.9	-1.5	-20.1	-19.7	236	2.5	6.9
350	8584	8674	8543	-16.8	-7.3	-29.5	-26.5	247	3.7	8.0
300	9727	9834	9675	-24.2	-13.9	-34.1	-33.1	249	4.4	8.4
250	11033	11164	10972	-33.5	-20.3	-44.1	-41.8	245	4.7	9.0
200	12562	12725	12478	-45.6	-30.9	-57.7		243	4.6	10.0
175	13437	13627	13341	-52.7	-36.9	-64.1		250	3.8	10.1
150	14420	14626	14320	-59.8	-43.7	-71.1		262	2.5	10.0
125	15538	15785	15435	-67.2	-51.5	-78.7		024	1.4	9.5
100	16858	17135	16740	-73.2	-63.5	-81.0		058	5.8	9.7
80	18160	18434	18033	-72.0	-57.1	-82.0		072	10.6	12.2
70	18955	19250	18818	-68.7	-52.5	-77.9		079	12.7	13.7
60	19881	20169	19741	-64.1	-47.5	-78.0		087	13.6	14.2
50	21004	21317	20835	-59.1	-41.3	-71.3		088	14.2	14.7
40	22410	22764	22219	-54.8	-39.9	-66.1		084	15.2	15.9
30	24251	24647	24063	-50.5	-39.1	-61.7		088	17.7	18.2
25	25439	25870	25285	-48.3	-35.7	-61.3		088	18.5	18.9
20	26911	27407	26751	-46.1	-31.5	-60.1		088	19.5	20.2
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
525	5440	6160	5110				100	16900	-74.5

NORMALS OF RADIOSONDE DATA

MONTH : AUGUST TIME : 0530 IST STATION : PATIALA

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	971	973	970	26.3	32.4	22.0	25.2	108	0.5	1.1
1000	11	26	0							
950	440	456	422	26.5	34.2	20.4	23.7	130	1.4	4.4
925	678	689	666	25.7	33.0	18.4	21.0	162	1.6	5.5
900	919	936	904	25.0	32.4	17.0	20.7	173	1.1	5.1
850	1420	1439	1404	22.1	29.8	9.4	17.5	233	0.8	5.5
800	1946	1967	1924	19.1	27.0	10.2	14.6	299	1.1	5.6
750	2497	2525	2470	15.9	24.0	7.0	11.0	327	1.6	5.4
700	3082	3114	3051	12.6	20.6	3.2	7.1	335	1.5	5.3
650	3701	3740	3666	9.3	17.2	-1.1	2.4	348	1.6	5.3
600	4361	4408	4320	5.7	15.4	-5.1	-2.2	341	1.2	5.2
550	5068	5124	5025	2.0	10.4	-8.1	-6.1	295	0.5	4.8
500	5833	5898	5787	-1.9	6.2	-10.5	-9.9	222	1.1	5.0
450	6664	6738	6609	-6.2	2.2	-15.1	-15.2	225	2.0	5.9
400	7577	7661	7523	-11.3	-2.5	-19.3	-20.7	233	2.7	6.6
350	8591	8687	8527	-17.3	-7.1	-26.1	-26.4	242	3.9	7.1
300	9731	9836	9645	-24.8	-15.5	-34.1	-33.5	244	4.9	8.0
250	11033	11156	10921	-34.3	-24.5	-44.5	-41.9	245	5.5	8.8
200	12556	12692	12401	-46.3	-35.9	-58.5		242	5.3	9.4
175	13428	13578	13250	-53.5	-39.9	-66.5		244	4.9	9.7
150	14402	14568	14221	-61.1	-44.5	-73.7		250	3.8	9.0
125	15512	15715	15323	-68.7	-56.3	-78.5		272	1.6	8.1
100	16822	17065	16577	-73.6	-63.1	-85.0		057	3.6	7.8
80	18123	18385	17914	-71.8	-54.9	-85.0		074	8.2	9.8
70	18912	19187	18734	-68.0	-51.3	-80.0		082	10.4	11.3
60	19843	20114	19675	-63.5	-45.9	-78.9		088	11.0	11.7
50	20980	21245	20783	-58.7	-39.1	-77.1		086	11.8	12.6
40	22397	22675	22172	-54.6	-40.5	-68.1		084	13.3	13.7
30	24250	24556	24001	-50.4	-38.1	-62.7		087	16.8	17.2
25	25452	25746	25167	-48.3	-34.7	-59.9		090	17.6	17.9
20	26914	27217	26656	-46.1	-35.1	-54.9				
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
525	5450	6120	4850				102	16710	-75.0

NORMALS OF RADIOSONDE DATA

MONTH : SEPTEMBER TIME : 0530 IST STATION : PATIALA

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	975	977	974	23.9	28.6	17.0	22.7	042	0.2	0.9
1000	30	51	16							
950	478	493	465	25.4	34.4	18.2	20.4	003	1.1	4.3
925	715	725	703	25.5	36.0	18.6	17.1	344	1.0	5.2
900	956	974	944	24.5	34.2	16.2	16.2	330	1.8	4.7
850	1455	1473	1440	21.4	31.0	13.2	12.9	319	2.5	5.3
800	1978	1994	1960	18.0	28.6	9.6	8.8	312	3.3	5.9
750	2527	2538	2506	14.4	25.6	6.4	4.3	312	3.6	6.0
700	3107	3120	3086	10.7	22.4	2.8	0.1	317	3.3	6.0
650	3720	3736	3696	6.7	18.2	-1.7	-4.0	316	2.7	5.9
600	4373	4398	4341	2.7	15.0	-5.7	-7.5	304	2.1	5.7
550	5072	5104	5040	-1.2	10.6	-9.9	-11.2	273	2.2	5.9
500	5826	5870	5793	-5.2	6.8	-19.1	-15.2	253	3.0	6.3
450	6647	6703	6607	-9.6	2.4	-20.7	-19.8	257	5.3	8.2
400	7550	7617	7505	-14.7	-2.3	-26.9	-25.1	259	7.5	9.9
350	8549	8632	8490	-20.9	-7.9	-33.5	-30.5	261	10.5	12.3
300	9673	9774	9604	-28.2	-14.3	-37.5		262	12.7	14.3
250	10957	11084	10871	-37.3	-24.3	-46.7		261	14.4	15.9
200	12462	12614	12363	-48.8	-36.9	-59.7		260	15.0	16.6
175	13329	13498	13209	-55.4	-42.5	-64.1		260	14.3	16.0
150	14288	14467	14164	-62.7	-48.7	-73.3		261	12.5	14.4
125	15387	15599	15236	-69.5	-54.3	-81.7		266	10.0	12.0
100	16691	16874	16565	-73.9	-63.1	-83.1		280	5.3	8.5
80	17997	18174	17898	-71.4	-55.5	-82.9		358	1.6	6.5
70	18790	18991	18708	-67.4	-52.1	-79.5		066	2.4	6.2
60	19723	19986	19595	-62.8	-48.1	-74.5		080	4.2	6.2
50	20858	21163	20725	-58.3	-42.1	-69.3		083	4.9	6.7
40	22278	22642	22163	-54.3	-40.7	-63.3		083	6.6	8.0
30	24140	24493	23901	-50.2	-34.7	-60.9		088	9.0	10.1
25	25324	25719	25040	-48.3	-29.5	-59.9				
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
563	4900	5530	4340				105	16450	-74.6

NORMALS OF RADIOSONDE DATA

MONTH : OCTOBER TIME : 0530 IST STATION : PATIALA

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	981	984	979	17.4	24.2	10.0	16.0	357	0.4	1.1
1000	81	114	64							
950	522	555	506	22.5	31.0	14.4	12.4	355	2.7	5.1
925	755	785	745	23.3	35.0	14.4	8.8	343	3.5	5.7
900	993	1019	977	21.9	34.0	13.0	6.9	336	3.6	5.7
850	1486	1509	1472	18.8	28.8	9.2	2.6	321	4.0	5.8
800	2004	2026	1990	15.3	24.8	7.6	-1.2	313	4.4	6.1
750	2546	2566	2532	11.4	20.8	3.6	-4.9	312	4.5	6.5
700	3118	3137	3102	7.1	16.6	-1.1	-8.2	315	4.7	6.7
650	3722	3740	3704	2.8	11.6	-7.5	-11.9	311	4.5	6.7
600	4365	4389	4347	-1.3	11.6	-13.1	-15.3	303	4.6	6.9
550	5053	5084	5032	-5.5	4.4	-16.7	-19.5	290	5.3	7.5
500	5794	5833	5767	-10.3	2.6	-21.1	-23.8	282	7.4	9.3
450	6597	6640	6560	-15.5	-3.7	-26.5		276	11.0	12.8
400	7477	7524	7424	-21.3	-8.3	-32.3		274	14.6	16.5
350	8449	8507	8378	-27.8	-13.5	-39.5		272	19.5	21.5
300	9542	9611	9445	-34.8	-20.9	-47.7		270	24.3	26.3
250	10796	10878	10667	-42.7	-28.1	-56.3		268	29.3	31.1
200	12271	12375	12103	-52.0	-38.5	-65.5		265	31.1	32.6
175	13129	13252	12944	-56.9	-41.7	-72.5		265	29.9	31.5
150	14092	14248	13895	-62.4	-51.7	-72.7		265	27.9	29.1
125	15191	15400	15004	-67.8	-53.7	-78.0		266	23.4	24.4
100	16505	16730	16359	-70.8	-46.3	-80.9		268	16.5	17.6
80	17827	18244	17705	-68.6	-51.3	-81.3		278	8.7	10.6
70	18632	18911	18498	-65.9	-49.1	-80.1		277	5.5	8.2
60	19572	19883	19415	-62.4	-46.1	-74.3		289	3.2	6.9
50	20704	20986	20530	-59.2	-43.7	-73.3		297	2.1	6.2
40	22116	22418	21926	-55.5	-40.1	-70.1		333	1.3	6.3
30	23975	24328	23736	-51.3	-37.1	-60.1		332	1.1	6.2
25	25175	25565	24926	-49.2	-38.1	-59.1				
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
615	4180	4710	3700				108	16140	-72.0

NORMALS OF RADIOSONDE DATA

MONTH : NOVEMBER TIME : 0530 IST STATION : PATIALA

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	985	986	983	12.1	20.0	3.6	10.7	332	0.6	1.1
1000	115	134	104							
950	549	564	537	18.8	28.0	9.6	6.7	343	3.6	5.3
925	777	791	767	19.3	26.4	9.6	3.3	336	3.6	6.0
900	1014	1025	1002	17.8	29.0	8.6	1.4	331	4.1	5.8
850	1501	1515	1487	15.0	26.8	6.0	-2.5	318	3.9	5.8
800	2010	2028	1996	11.6	24.2	-1.0	-5.6	315	3.8	5.8
750	2546	2564	2529	8.2	20.8	-2.7	-8.4	310	3.8	6.1
700	3111	3131	3094	4.5	16.0	-5.9	-11.3	302	3.9	6.6
650	3710	3736	3689	0.7	11.6	-10.3	-14.7	294	4.5	7.1
600	4348	4379	4324	-3.4	7.6	-13.1	-17.8	285	6.0	8.2
550	5030	5068	5004	-7.8	3.6	-17.0	-21.3	281	8.3	10.1
500	5765	5808	5736	-12.7	-1.1	-23.1	-24.5	277	11.5	13.3
450	6561	6610	6527	-18.3	-6.1	-28.1		276	15.4	17.1
400	7430	7486	7388	-24.5	-10.7	-35.3		275	19.8	21.6
350	8390	8456	8339	-31.3	-17.1	-41.5		274	24.4	26.4
300	9467	9544	9400	-38.8	-23.7	-50.3		273	29.1	31.4
250	10696	10788	10592	-46.8	-30.5	-59.9		271	34.9	37.4
200	12148	12258	11996	-54.3	-39.7	-69.9		269	37.8	40.0
175	12995	13111	12833	-58.2	-45.5	-74.5		269	38.3	40.1
150	13955	14082	13799	-61.7	-51.7	-75.5		268	35.5	37.1
125	15064	15230	14848	-65.7	-53.5	-80.0		269	31.7	32.9
100	16409	16644	16217	-68.5	-51.1	-78.0		269	23.9	24.9
80	17743	18111	17525	-68.6	-51.7	-78.7		273	15.5	17.3
70	18545	18950	18342	-67.0	-47.1	-77.9		277	11.2	13.2
60	19488	19919	19279	-64.3	-45.9	-76.9		280	8.0	10.2
50	20607	20895	20391	-61.0	-47.7	-72.5		282	6.2	8.8
40	22011	22334	21764	-57.6	-44.1	-72.5		287	5.2	8.5
30	23856	24239	23624	-53.6	-40.7	-69.7				
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
641	3820	4230	3500				105	16240	-70.2

NORMALS OF RADIOSONDE DATA

MONTH : DECEMBER TIME : 0530 IST STATION : PATIALA

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	987	989	985	8.2	18.0	1.4	7.1	326	0.9	1.4
1000	138	155	121							
950	564	584	530	14.2	25.6	4.4	3.8	336	4.1	5.5
925	789	803	778	14.2	21.4	1.8	1.1	331	4.5	5.8
900	1022	1044	1004	13.6	25.6	1.2	-1.6	328	4.3	5.9
850	1501	1527	1485	11.2	24.2	-2.0	-4.4	320	3.8	5.9
800	2005	2035	1988	8.5	20.0	-1.1	-7.6	313	3.3	5.9
750	2534	2569	2513	5.4	17.6	-3.9	-10.0	302	3.4	6.2
700	3095	3135	3068	2.0	13.4	-7.1	-12.3	290	3.9	6.6
650	3689	3734	3654	-1.6	9.2	-15.0	-15.4	278	5.1	7.7
600	4322	4373	4279	-5.8	5.0	-17.0	-18.8	275	7.3	9.6
550	4997	5062	4947	-10.3	2.8	-19.9	-22.7	275	10.0	12.0
500	5725	5801	5669	-15.4	-2.1	-24.7	-27.3	274	13.2	15.1
450	6513	6604	6450	-20.9	-7.5	-32.7	-31.7	273	17.3	19.1
400	7373	7480	7301	-27.1	-14.7	-37.9	-36.5	273	21.9	23.8
350	8321	8446	8241	-34.1	-22.1	-43.7	-42.4	272	26.4	28.5
300	9384	9524	9294	-41.6	-29.3	-51.1		271	31.8	34.1
250	10599	10757	10498	-49.4	-35.7	-59.9		271	37.7	40.1
200	12037	12210	11923	-56.1	-40.5	-68.3		269	41.6	44.0
175	12880	13066	12756	-58.8	-45.3	-71.7		268	41.0	43.0
150	13834	14008	13708	-61.4	-49.3	-74.5		269	39.3	40.7
125	14952	15102	14820	-64.4	-52.5	-77.7		269	34.2	35.4
100	16305	16453	16156	-67.0	-52.1	-77.7		270	27.7	28.6
80	17655	17805	17519	-67.7	-51.1	-78.7		274	20.5	21.5
70	18456	18624	18327	-66.8	-52.5	-79.5		276	17.1	18.5
60	19389	19613	19262	-64.9	-51.1	-77.3		279	13.4	15.3
50	20508	20758	20360	-62.0	-46.5	-78.9		280	12.1	13.9
40	21904	22182	21745	-58.8	-45.3	-72.9				
30	23715	24127	23447	-55.5	-40.1	-67.3				
25	24882	25283	24564	-53.8	-41.7	-64.1				
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
673	3430	4200	2900	206	11870	-58.9	103	16290	-69.1

NORMALS OF RADIOSONDE DATA

MONTH : JANUARY TIME : 0530 IST STATION : PATNA

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1011	1014	1009	10.5	17.6	4.6	9.3	282	0.4	0.7
1000	145	168	127	12.2	19.6	6.0	8.9	300	1.5	2.9
950	564	600	522	13.9	23.2	6.4	5.4	298	3.1	5.0
925	800	825	783	12.4	20.4	5.6	3.5	293	4.0	5.7
900	1033	1055	1014	12	20.4	2.2	0.6	294	4.4	5.9
850	1511	1532	1492	10.3	18.2	0.2	-3.3	293	6.3	7.6
800	2014	2034	1996	8.4	17.0	-2.1	-5.9	295	8.3	9.5
750	2544	2568	2526	6.3	17.2	-3.1	-8.1	295	10.4	11.4
700	3107	3139	3088	3.6	16.2	-5.5	-11.6	294	12.4	13.4
650	3705	3753	3679	0.4	14.0	-10.7	-14.6	293	14.6	15.6
600	4343	4396	4314	-3.3	9.0	-13.1	-17.3	290	17.1	18.4
550	5031	5117	4997	-7.3	3.4	-17.1	-22.0	287	20.7	22.0
500	5763	5843	5719	-11.7	-1.1	-24.9	-25.7	285	24.4	25.7
450	6568	6681	6505	-16.9	-4.9	-27.9		282	28.8	30.5
400	7437	7552	7366	-22.5	-9.1	-33.1		279	33.2	35.1
350	8404	8528	8319	-28.5	-15.3	-40.3		277	37.6	39.7
300	9498	9663	9411	-35.2	-22.7	-50.1		274	42.9	45.1
250	10749	10942	10651	-43.2	-31.1	-59.5		274	45.6	47.9
200	12222	12454	12096	-52.5	-40.9	-67.3				
175	13074	13335	12942	-57.4	-46.1	-71.7				
150	14039	14314	13899	-62.3	-52.1	-74.1				
125	15154	15446	15003	-67.2	-56.7	-77.7				
100	16484	16786	16310	-71.3	-57.7	-80.7				
80	17821	18109	17645	-71.3	-58.5	-80.9				
70	18622	18910	18397	-69.0	-55.5	-78.9				
60	19558	19841	19268	-64.8	-50.1	-77.7				
50	20687	20975	20377	-60.0	-43.1	-73.7				
40	22102	22393	21871	-55.6	-43.1	-68.1				
30	23945	24268	23671	-52.0	-39.9	-64.5				
25	25110	25427	24815	-50.1	-35.9	-62.9				
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
645	3790	4750	3270				102	16430	-72.6

NORMALS OF RADIOSONDE DATA

MONTH : FEBRUARY TIME : 0530 IST STATION : PATNA

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1009	1010	1003	13.2	20.0	7.0	11.2	278	0.5	1.2
1000	127	138	85	14.5	21.2	7.8	10.4	285	1.3	2.9
950	556	579	517	16.8	26.6	7.8	5.4	294	3.3	5.6
925	791	799	771	15.3	22.8	6.2	4.9	291	4.1	5.9
900	1023	1041	980	14.5	25.0	4.8	1.2	293	4.9	6.5
850	1504	1526	1458	12.0	21.2	1.2	-1.7	291	7.1	8.1
800	2009	2035	1960	9.2	17.6	1.2	-4.7	291	9.2	10.1
750	2540	2569	2489	6.3	14.6	-2.1	-7.2	291	11.1	12.1
700	3103	3135	3051	3.2	14.0	-10.3	-9.9	290	12.7	13.8
650	3699	3738	3650	-0.3	15.8	-15.5	-13.0	290	14.5	15.6
600	4335	4375	4290	-4.0	7.6	-21.1	-16.4	287	16.9	17.9
550	5021	5072	4980	-8.0	3.2	-27.5	-20.4	285	20.2	21.3
500	5750	5797	5706	-12.7	-2.5	-31.3	-25.2	284	23.3	24.7
450	6551	6610	6496	-17.7	-7.1	-37.7	-29.1	282	27.6	29.5
400	7419	7478	7354	-23.3	-11.1	-43.5		281	32.0	34.2
350	8383	8455	8310	-29.5	-15.7	-45.9		279	37.0	39.7
300	9469	9559	9386	-36.0	-23.3	-49.9		277	40.9	43.9
250	10716	10830	10617	-43.2	-32.1	-57.3		275	43.5	46.9
200	12193	12334	12066	-51.5	-37.9	-66.7				
175	13051	13207	12915	-55.9	-38.5	-72.1				
150	14021	14185	13873	-60.8	-46.7	-77.5				
125	15139	15307	14983	-66.1	-53.9	-77.5				
100	16481	16670	16274	-70.3	-59.9	-81.7				
80	17815	18020	17573	-70.6	-57.7	-82.1				
70	18614	18829	18363	-68.5	-52.7	-82.7				
60	19559	19793	19313	-65.1	-48.1	-79.3				
50	20683	20943	20456	-60.1	-49.5	-77.3				
40	22127	22349	21838	-55.5	-44.9	-72.5				
30	23991	24216	23635	-51.2	-41.9	-66.5				
25	25176	25400	24792	-49.3	-37.9	-64.7				
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
653	3680	4060	3230				099	16640	-72.1

NORMALS OF RADIOSONDE DATA

MONTH : MARCH TIME : 0530 IST STATION : PATNA

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1005	1008	1000	17.7	25.0	10.0	13.5	276	0.9	1.8
1000	95	122	54	18.4	25.2	11.2	12.7	282	1.5	2.7
950	532	558	495	22.0	34.0	11.6	6.8	295	4.7	6.8
925	771	788	730	20.3	32.8	10.6	5.2	295	7.2	8.7
900	1006	1028	971	19.5	29.8	8.4	3.3	294	6.9	8.5
850	1495	1517	1462	16.4	27.4	6.4	0	293	9.1	10.0
800	2008	2026	1968	13.2	22.4	3.2	-2.5	291	11.3	12.1
750	2544	2566	2502	9.8	18.6	-0.5	-5.2	291	13.2	13.9
700	3116	3136	3064	6.2	16.6	-3.9	-8.4	291	14.7	15.6
650	3716	3741	3659	2.4	14.0	-7.1	-11.3	290	16.2	17.0
600	4360	4391	4293	-1.6	10.2	-10.5	-15.1	289	16.8	17.6
550	5050	5087	4971	-6.0	6.0	-15.7	-19.0	287	18.2	19.1
500	5787	5839	5703	-10.6	1.2	-20.9	-23.9	286	20.1	21.3
450	6590	6651	6504	-15.9	-2.1	-28.3	-27.8	284	22.9	24.2
400	7466	7541	7388	-21.7	-8.1	-35.9	-33.1	281	25.7	27.5
350	8435	8518	8349	-28.3	-14.5	-44.9		280	28.4	30.8
300	9526	9620	9421	-35.8	-22.1	-53.3		280	31.2	34.3
250	10776	10874	10649	-43.8	-28.1	-65.3		277	35.1	38.4
200	12250	12362	12105	-51.7	-38.5	-64.1		274	34.1	36.6
175	13109	13225	12944	-55.7	-44.5	-69.1				
150	14079	14202	13907	-60.2	-48.3	-72.7				
125	15207	15333	14996	-64.8	-47.3	-80.9				
100	16557	16718	16335	-69.3	-53.9	-82.7				
80	17895	18064	17689	-69.9	-54.3	-81.1				
70	18698	18874	18481	-68.5	-53.3	-80.9				
60	19632	19845	19375	-64.9	-50.1	-77.5				
50	20758	20995	20481	-60.0	-45.7	-73.7				
40	22181	22433	21858	-55.1	-42.1	-69.5				
30	24041	24309	23682	-50.6	-34.7	-68.1				
25	25244	25495	24974	-47.9	-31.1	-63.1				
20	26710	26948	26342	-45.5	-38.1	-57.9				
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
620	4100	4780	3530				098	16770	-71.4

NORMALS OF RADIOSONDE DATA

MONTH : APRIL TIME : 0530 IST STATION : PATNA

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1001	1005	997	23.0	29.4	15.8	15.7	073	0.4	2.4
1000	62	92	18	22.7	29.4	16.0	14.8	033	0.2	2.8
950	507	536	468	26.4	35.2	13.6	9.7	298	2.2	6.9
925	753	769	697	25.3	34.8	12.2	8.6	295	3.1	6.7
900	989	1010	942	24.5	32.8	11.4	6.0	292	5.0	7.8
850	1485	1505	1442	21.2	29.8	9.0	3.1	293	7.3	8.9
800	2006	2027	1967	17.3	26.4	5.4	0	292	9.2	10.2
750	2547	2573	2516	13.0	23.4	3.0	-2.7	291	11.3	12.1
700	3127	3146	3098	8.6	20.2	-0.1	-6.0	289	13.4	14.2
650	3730	3753	3696	4.1	15.8	-5.3	-9.4	290	14.4	15.4
600	4379	4397	4357	-0.4	10.0	-10.1	-13.6	289	15.0	15.9
550	5075	5103	5046	-4.7	5.0	-14.5	-17.6	288	15.3	16.4
500	5813	5839	5779	-9.4	1.0	-20.3	-22.2	286	16.1	17.4
450	6624	6675	6581	-14.7	-4.9	-27.3	-27.2	282	18.0	19.4
400	7501	7544	7449	-20.7	-9.3	-33.5	-32.7	279	20.3	22.1
350	8478	8534	8413	-27.4	-11.7	-43.3		274	23.6	25.8
300	9570	9644	9485	-34.6	-22.3	-50.7		271	27.0	29.4
250	10822	10912	10713	-42.4	-29.5	-56.3		266	31.5	33.8
200	12305	12441	12173	-51.0	-38.5	-64.5		264	34.1	36.6
175	13168	13323	13034	-55.5	-41.1	-68.1				
150	14141	14312	14000	-60.5	-46.7	-72.9				
125	15264	15452	15115	-66.0	-51.7	-76.5				
100	16599	16808	16430	-71.2	-57.5	-81.9				
80	17920	18158	17766	-71.4	-56.1	-81.7				
70	18707	18982	18557	-69.3	-55.5	-81.3				
60	19645	19889	19487	-64.9	-48.1	-79.1				
50	20768	21039	20597	-59.6	-43.1	-74.9				
40	22189	22499	21868	-54.8	-39.3	-73.5				
30	24045	24440	23517	-50.0	-35.5	-68.3				
25	25241	25703	24643	-47.4	-35.5	-67.1				
20	26720	27244	26161	-45.5	-35.3	-65.7				
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
602	4350	4860	3910				097	16850	-73.2

NORMALS OF RADIOSONDE DATA

MONTH : MAY TIME : 0530 IST STATION : PATNA

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	997	1000	994	26.2	33.0	20.0	21.3	088	1.8	2.5
1000	31	59	3	25.2	29.0	19.8	20.8	090	2.3	2.7
950	479	512	447	26.8	35.0	17.4	17.4	112	2.4	6.3
925	720	736	699	26.7	34.0	17.8	15.3	187	0.7	6.0
900	962	989	927	25.9	36.4	16.4	13.3	223	1.1	6.5
850	1463	1488	1431	22.9	31.8	13.4	9.6	285	3.8	7.2
800	1988	2010	1960	19.4	28.2	10.2	6.1	293	5.9	8.4
750	2536	2565	2515	15.4	24.0	6.8	2.7	298	8.5	10.2
700	3120	3149	3098	11.1	18.8	2.2	-1.0	298	10.4	11.9
650	3731	3765	3708	6.7	14.4	-2.3	-5.0	298	11.7	13.2
600	4386	4418	4365	2.4	10.4	-7.5	-9.7	297	11.7	13.1
550	5091	5141	5063	-1.6	7.6	-13.1	-13.9	296	11.3	12.7
500	5837	5868	5809	-5.7	3.2	-16.1	-18.6	292	10.5	12.3
450	6661	6737	6618	-10.5	-0.5	-21.3	-23.1	285	11.0	13.0
400	7552	7609	7505	-16.0	-4.5	-26.1	-28.7	278	12.3	14.6
350	8548	8621	8485	-22.1	-10.7	-33.7	-33.7	275	14.4	17.0
300	9663	9765	9585	-29.3	-17.5	-41.9		270	16.7	19.3
250	10943	11075	10842	-37.9	-24.7	-50.5		267	18.8	21.4
200	12449	12615	12325	-48.1	-35.5	-59.1		261	18.3	20.9
175	13317	13504	13181	-54.1	-40.3	-64.9		258	16.1	18.7
150	14293	14495	14143	-60.4	-45.5	-69.9		263	12.2	15.9
125	15407	15634	15255	-67.3	-52.1	-78.7		264	7.6	12.2
100	16736	16985	16566	-72.9	-55.3	-84.1		262	2.3	9.2
80	18044	18313	17840	-73.2	-57.5	-84.3				
70	18830	19109	18603	-70.3	-55.3	-84.3				
60	19727	20053	19348	-65.2	-52.1	-80.3				
50	20883	21187	20586	-59.3	-42.5	-74.7				
40	22305	22614	21961	-53.8	-36.5	-67.3				
30	24164	24509	23779	-49.1	-38.1	-65.5				
25	25352	25705	24944	-46.8	-35.3	-66.3				
20	26843	27231	26380	-44.0	-32.3	-57.9				
15	28731	29403	28269	-42.1	-30.5	-55.7				
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
568	4840	5270	4360				096	17040	-74.7

NORMALS OF RADIOSONDE DATA

MONTH : JUNE TIME : 0530 IST STATION : PATNA

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	994	997	992	27.8	34.6	18.6	24.3	088	1.8	2.3
1000	11	25	2							
950	448	479	407	26.8	35.2	19.4	21.1	109	3.0	6.2
925	693	714	678	26.1	36.8	17.8	19.1	131	2.2	6.5
900	931	954	892	25.0	35.8	17.0	18.1	141	1.5	6.7
850	1432	1453	1387	22.4	32.2	14.6	15.1	273	0.4	7.2
800	1957	1978	1911	19.2	28.4	11.0	12.1	310	1.7	8.0
750	2509	2532	2460	15.7	25.8	7.0	8.6	311	2.8	8.5
700	3092	3115	3043	12.2	21.2	3.8	5.0	310	3.6	9.0
650	3711	3738	3660	8.5	15.4	0.4	0.7	313	3.9	9.2
600	4368	4395	4319	5.0	12.8	-3.3	-3.5	309	3.5	8.5
550	5082	5129	5024	1.4	9.0	-8.5	-7.5	300	2.7	8.2
500	5836	5871	5789	-2.5	3.4	-10.9	-11.2	284	2.1	7.9
450	6672	6737	6620	-6.6	-0.5	-15.7	-15.7	264	1.4	7.5
400	7578	7639	7535	-11.4	-1.5	-22.3	-21.1	240	1.6	7.8
350	8590	8660	8550	-17.3	-10.1	-27.9	-26.9	225	2.0	8.2
300	9731	9813	9688	-24.8	-16.1	-36.3	-34.1	218	2.6	8.3
250	11032	11123	10962	-34.3	-22.5	-50.1	-42.9	205	2.5	8.4
200	12555	12663	12470	-46.2	-31.1	-64.5		183	1.9	9.1
175	13427	13549	13343	-53.4	-43.9	-69.1		147	1.9	9.6
150	14402	14538	14305	-61.1	-49.9	-73.5		117	3.2	10.3
125	15510	15664	15404	-69.1	-57.9	-78.9		106	5.6	11.2
100	16822	16988	16713	-75.1	-59.5	-82.7		090	8.6	11.8
80	18113	18308	18019	-74.8	-57.7	-85.9		085	12.3	13.4
70	18893	19119	18781	-71.3	-54.3	-84.1				
60	19816	20061	19676	-66.4	-46.1	-78.3				
50	20935	21219	20763	-60.5	-39.1	-72.3				
40	22347	22672	22147	-55.1	-41.1	-66.3				
30	24202	24540	23951	-50.3	-33.7	-62.5				
25	25386	25861	25114	-48.0	-29.9	-61.5				
20	26825	27184	26556	-46.3	-35.1	-58.3				
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
531	5350	5780	5000				096	17060	-76.7

NORMALS OF RADIOSONDE DATA

MONTH : JULY TIME : 0530 IST STATION : PATNA

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	994	996	992	27.1	31.2	24.0	25.8	093	1.3	2.0
1000	7	19	1							
950	447	473	429	25.6	34.8	18.6	22.8	116	2.7	6.1
925	686	710	668	24.6	34.2	17.4	21.1	123	2.8	7.0
900	928	952	905	23.4	33.2	16.2	20.3	135	2.2	7.2
850	1426	1452	1402	20.9	31.6	13.6	17.7	135	1.9	7.6
800	1950	1978	1924	18.1	26.8	10.6	14.9	120	1.8	7.9
750	2503	2532	2476	15.4	23.0	8.0	11.9	112	1.5	7.7
700	3084	3117	3053	12.5	21.4	6.0	8.4	109	1.3	7.4
650	3706	3736	3672	9.5	17.2	3.6	4.5	106	1.4	7.2
600	4366	4398	4333	6.3	14.0	-0.1	0.5	114	1.6	6.7
550	5081	5121	5036	2.6	10.2	-6.1	-3.4	118	1.9	6.5
500	5842	5875	5796	-1.4	5.8	-9.3	-7.9	125	2.2	6.2
450	6680	6737	6618	-5.7	0.8	-15.9	-12.8	119	3.1	6.2
400	7591	7641	7532	-10.7	-4.1	-17.9	-18.8	114	3.8	6.3
350	8604	8656	8554	-16.7	-9.9	-24.3	-25.3	110	5.2	7.2
300	9749	9830	9700	-24.3	-15.3	-32.7	-33.3	104	6.4	8.1
250	11051	11154	10989	-34.0	-25.9	-44.7	-42.8	096	7.9	9.6
200	12576	12707	12483	-46.5	-36.9	-57.9		088	10.4	12.3
175	13449	13590	13348	-53.9	-44.1	-65.1		086	11.8	13.8
150	14423	14579	14297	-61.7	-50.3	-72.1		090	13.0	15.7
125	15533	15706	15381	-69.6	-56.7	-79.3		091	15.3	17.1
100	16844	17037	16686	-74.9	-63.9	-82.1		089	17.2	18.8
80	18144	18370	17998	-72.8	-58.1	-83.7		087	18.4	19.2
70	18927	19170	18770	-69.4	-52.1	-83.3				
60	19859	20126	19669	-64.0	-41.7	-79.3				
50	20988	21270	20759	-58.8	-38.7	-71.5				
40	22398	22688	22128	-54.6	-37.5	-65.1				
30	24244	24638	23902	-50.6	-34.5	-62.3				
25	25412	25777	25056	-48.6	-32.9	-60.1				
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
516	5590	6160	4770				100	16890	-76.1

NORMALS OF RADIOSONDE DATA

MONTH : AUGUST TIME : 0530 IST STATION : PATNA

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	996	998	993	27.2	30.0	23.0	25.6	093	1.1	1.9
1000	18	40	2							
950	460	488	422	25.4	34.8	18.6	22.3	111	3.2	6.1
925	706	722	690	23.8	29.6	17.4	20.5	119	3.7	6.4
900	944	971	897	23.1	29.2	16.4	19.7	119	4.0	7.2
850	1441	1471	1395	20.5	27.2	14.2	16.9	114	4.0	7.5
800	1964	1996	1918	17.8	25.2	10.8	14.0	111	4.0	7.5
750	2517	2557	2470	15.1	23.0	9.0	10.9	112	4.0	7.4
700	3098	3135	3055	12.4	20.8	5.4	7.2	117	3.6	7.1
650	3718	3758	3673	9.5	18.2	2.8	3.5	117	3.7	7.0
600	4378	4414	4335	6.1	13.4	0.2	-0.5	117	3.6	6.7
550	5095	5157	5045	2.5	10.0	-4.5	-4.5	115	3.8	6.5
500	5853	5897	5811	-1.6	6.2	-8.7	-8.8	112	4.0	6.3
450	6691	6759	6645	-6.0	2.0	-13.1	-13.6	112	4.5	6.4
400	7600	7657	7559	-11.0	-2.9	-18.3	-19.6	110	5.1	6.8
350	8613	8662	8558	-17.0	-8.5	-24.9	-26.3	108	6.1	7.6
300	9757	9835	9702	-24.6	-16.5	-32.3	-34.2	103	7.1	8.4
250	11059	11148	10989	-34.2	-21.5	-44.1	-43.2	097	7.8	9.9
200	12580	12694	12490	-46.9	-37.3	-57.1		088	9.5	11.6
175	13452	13572	13351	-54.2	-41.3	-65.5		086	10.6	12.5
150	14426	14556	14283	-62.0	-50.5	-72.5		083	12.5	13.9
125	15535	15680	15336	-69.8	-52.3	-81.1		084	14.3	15.9
100	16847	17015	16544	-74.5	-63.5	-85.7		084	17.1	18.3
80	18152	18350	17870	-71.6	-55.9	-82.7		090	18.4	19.3
70	18952	19153	18653	-67.7	-50.3	-80.9		092	18.2	19.0
60	19888	20107	19575	-63.1	-47.9	-78.1		094	17.6	18.1
50	21025	21269	20630	-58.5	-41.5	-76.9		093	19.0	19.7
40	22446	22728	22210	-54.4	-39.1	-65.5				
30	24299	24608	23681	-50.2	-33.7	-61.7				
25	25487	25816	25172	-48.4	-33.1	-60.9				
20	26942	27321	26601	-46.9	-32.1	-60.9				
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
518	5570	5970	5150				103	16720	-75.7

NORMALS OF RADIOSONDE DATA

MONTH : SEPTEMBER TIME : 0530 IST STATION : PATNA

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1000	1001	998	26.3	29.4	21.2	25.0	093	1.1	1.8
1000	51	61	31	25.9	29.2	21.4	24.4	092	0.7	1.8
950	494	513	465	24.8	34.0	17.2	21.0	112	2.2	5.8
925	736	747	715	23.1	32.2	16.0	19.5	109	3.1	6.7
900	977	987	954	22.3	28.6	14.6	18.1	120	2.1	6.7
850	1472	1484	1448	19.6	26.6	12.2	15.2	115	1.8	6.9
800	1993	2006	1967	16.8	24.0	10.2	11.7	112	1.5	7.1
750	2541	2559	2514	14.1	21.4	7.2	8.2	110	1.2	6.9
700	3122	3137	3093	11.2	18.8	3.8	4.4	125	1.3	6.7
650	3737	3761	3708	8.1	14.6	0.6	0.3	150	1.3	6.4
600	4395	4417	4363	4.9	11.8	-3.3	-3.2	174	1.3	6.2
550	5108	5152	5066	1.2	9.0	-7.3	-7.3	200	1.7	6.1
500	5862	5895	5825	-2.9	3.6	-12.1	-11.7	197	1.8	6.2
450	6696	6750	6650	-7.4	-1.3	-15.7	-16.5	208	2.2	6.5
400	7599	7650	7553	-12.6	-5.1	-20.9	-22.3	212	2.3	6.8
350	8604	8650	8540	-18.7	-11.9	-27.7	-28.7	219	2.5	7.1
300	9740	9817	9674	-26.3	-18.9	-36.7	-35.9	210	2.3	7.8
250	11032	11128	10952	-36.0	-22.9	-47.1	-44.2	204	2.4	8.6
200	12544	12667	12445	-48.2	-38.5	-59.9		205	1.8	9.4
175	13409	13546	13299	-55.4	-47.1	-67.1		191	1.0	9.7
150	14380	14529	14233	-62.8	-53.1	-75.1		126	0.4	9.3
125	15484	15646	15215	-70.2	-59.9	-79.5		092	3.2	9.1
100	16796	16972	16420	-74.5	-63.9	-83.9		091	6.9	9.4
80	18110	18297	17725	-71.3	-56.1	-81.5		087	9.4	10.5
70	18907	19096	18531	-67.2	-50.1	-81.1		092	10.2	11.2
60	19853	20054	19354	-62.1	-44.1	-73.3		097	11.6	12.2
50	21000	21207	20475	-57.8	-39.1	-69.7		097	12.3	13
40	22420	22649	21857	-53.8	-34.1	-63.5				
30	24298	24558	23882	-49.7	-34.1	-60.1				
25	25489	25757	25065	-48.2	-37.9	-59.7				
20	26960	27246	26510	-46.5	-34.9	-57.3				
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
536	5310	5800	4890				104	16610	-75.5

NORMALS OF RADIOSONDE DATA

MONTH : OCTOBER TIME : 0530 IST STATION : PATNA

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1005	1008	1001	22.6	29.4	15.2	21.3	092	0.1	0.6
1000	96	119	68	22.9	29.0	16.4	20.5	035	0.2	1.5
950	536	566	484	23.5	32.2	16.8	14.7	016	0.3	3.4
925	782	800	752	22.0	30.4	15.8	13.3	331	0.5	3.5
900	1016	1040	983	20.7	29.8	12.0	11.3	322	0.7	3.9
850	1507	1532	1474	17.6	26.4	8.0	7.5	314	1.4	4.5
800	2023	2050	1988	14.7	24.2	6.0	3.1	305	1.7	5.0
750	2567	2596	2535	11.8	20.4	2.0	-0.7	297	2.0	5.6
700	3141	3170	3104	8.7	18.0	1.6	-4.0	286	2.6	5.7
650	3750	3780	3718	5.7	13.6	-2.1	-6.9	277	3.3	6.1
600	4401	4432	4368	2.5	9.8	-6.1	-9.6	271	4.9	7.2
550	5106	5155	5066	-1.2	5.8	-9.9	-12.2	269	6.2	8.3
500	5853	5892	5812	-5.5	2.0	-14.5	-16.0	269	7.9	9.8
450	6677	6736	6619	-10.3	-2.1	-20.5	-21.0	268	9.9	11.6
400	7571	7618	7499	-15.8	-6.5	-26.7	-27.1	265	12.5	14.2
350	8564	8610	8472	-22.1	-13.1	-32.9		261	15.1	16.8
300	9681	9755	9564	-29.6	-20.7	-40.7		259	17.8	19.2
250	10958	11054	10810	-38.8	-29.5	-48.5		258	19.8	21.4
200	12452	12581	12273	-50.3	-41.5	-59.1		257	20.2	21.9
175	13312	13460	13124	-56.8	-46.3	-66.3		255	18.9	20.6
150	14271	14440	14081	-63.6	-54.1	-73.5		258	17.4	19.0
125	15371	15561	15193	-70.0	-55.9	-80.1		258	12.5	14.9
100	16687	16902	16535	-73.6	-50.1	-85.5		261	7.4	10.5
80	18007	18231	17865	-70.5	-54.1	-83.5		265	1.3	7.1
70	18804	19043	18675	-66.4	-44.1	-78.7		080	1.3	7.5
60	19751	20000	19611	-61.8	-38.3	-73.3		094	4.0	7.7
50	20897	21152	20725	-57.5	-36.5	-71.3		100	5.3	7.6
40	22323	22601	22108	-53.7	-29.1	-66.9				
30	24187	24493	23928	-49.9	-21.5	-59.9				
25	25358	25675	25109	-48.3	-30.1	-59.1				
20	26855	27203	26550	-46.6	-32.7	-57.3				
15	28790	29119	28374	-44.5	-35.1	-54.7				
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
567	4870	5290	4120				106	16400	-74.8

NORMALS OF RADIOSONDE DATA

MONTH : NOVEMBER TIME : 0530 IST STATION : PATNA

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1009	1012	1006	16.4	26.8	9.0	14.9	312	0.1	0.3
1000	129	157	107	18.1	27.8	10.8	14.1	329	0.6	1.8
950	562	599	526	20.4	30.6	12.6	8.3	323	1.3	3.5
925	801	828	781	18.4	26.4	10.6	7.2	314	1.5	3.7
900	1037	1062	1016	17.3	29.4	9.0	4.8	311	1.6	3.9
850	1522	1545	1496	14.2	26.4	6.4	1.1	303	2.1	4.6
800	2031	2057	2007	11.7	22.8	3.6	-3.0	298	2.7	5.5
750	2568	2601	2545	9.2	20.8	-1.7	-6.2	298	3.7	6.5
700	3137	3164	3114	6.7	17.0	-4.5	-8.7	294	5.1	7.4
650	3742	3784	3719	3.8	14.0	-9.7	-12.3	292	6.9	8.7
600	4387	4426	4363	0.6	11.2	-8.7	-16.2	287	8.9	10.3
550	5085	5157	5049	-3.6	7.8	-13.9		282	10.9	12.2
500	5827	5894	5788	-8.4	3.4	-20.5		279	13.6	15.0
450	6640	6730	6589	-13.7	-5.3	-25.9		277	16.9	18.4
400	7521	7616	7459	-19.6	-8.9	-32.7		275	20.5	22.2
350	8499	8614	8417	-26.1	-14.1	-37.1		272	24.8	26.7
300	9599	9732	9490	-33.3	-22.1	-43.7		268	29.8	31.9
250	10858	11009	10724	-41.6	-31.7	-52.1		263	34.5	36.8
200	12338	12504	12192	-51.7	-39.9	-62.3		261	35.3	37.1
175	13193	13368	13034	-57.3	-44.1	-68.5		263	34.2	35.6
150	14155	14331	13973	-62.9	-50.1	-73.9		266	30.2	31.5
125	15266	15475	15082	-67.9	-54.1	-79.1				
100	16596	16847	16444	-71.7	-58.5	-80.7				
80	17918	18184	17792	-71.2	-56.1	-80.9				
70	18715	19006	18575	-68.7	-48.1	-80.5				
60	19648	19954	19474	-64.8	-52.1	-78.5				
50	20778	21101	20553	-59.6	-43.5	-73.1				
40	22198	22533	21932	-54.7	-39.5	-67.7				
30	24063	24441	23748	-50.7	-35.7	-65.5				
25	25233	25630	24901	-49.1	-35.1	-64.3				
20	26693	27120	26223	-47.6	-30.7	-62.9				
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
597	4440	5280	3820				103	16510	-73.2

NORMALS OF RADIOSONDE DATA

MONTH : DECEMBER TIME : 0530 IST STATION : PATNA

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1011	1014	1008	11.6	21.0	6.4	10.1	293	0.3	0.6
1000	149	166	116	14.2	25.2	6.8	10.0	302	1.3	2.4
950	576	601	531	16.4	29.4	6.4	6.6	301	2.1	3.7
925	813	827	790	14.4	28.2	5.8	5.0	300	2.6	3.6
900	1044	1065	1008	13.9	27.4	5.4	2.4	298	2.5	4.3
850	1524	1550	1486	11.7	23.4	3.6	-2.3	296	3.4	5.4
800	2029	2061	1992	9.9	23.4	1.8	-6.4	298	4.8	6.9
750	2564	2608	2528	7.9	20.4	-1.5	-8.7	298	7.0	8.7
700	3129	3172	3097	5.5	16.4	-5.9	-11.3	296	9.4	10.7
650	3730	3770	3698	2.5	14.2	-6.7	-14.5	293	11.8	12.9
600	4374	4426	4340	-1.2	10.2	-10.7	-17.2	289	13.9	14.9
550	5066	5133	5028	-5.4	7.4	-14.7		286	16.2	17.4
500	5802	5865	5766	-10.4	0.6	-20.5		284	19.0	20.3
450	6610	6689	6563	-15.8	-6.1	-27.9		281	22.7	24.1
400	7484	7558	7432	-21.9	-12.9	-35.5		280	27.0	28.5
350	8455	8545	8382	-28.5	-18.9	-43.3		279	31.5	33.4
300	9543	9654	9445	-36.1	-24.5	-52.1		275	35.7	37.8
250	10786	10915	10661	-44.6	-32.1	-55.5		273	39.4	41.1
200	12254	12396	12106	-53.5	-40.9	-63.3		269	39.9	41.5
175	13110	13250	12953	-58.1	-45.1	-67.9				
150	14070	14245	13913	-62.5	-47.1	-74.5				
125	15185	15372	15033	-66.9	-51.1	-77.1				
100	16518	16782	16333	-70.8	-54.1	-79.9				
80	17847	18143	17679	-70.5	-53.9	-80.3				
70	18640	18923	18476	-68.4	-52.1	-80.9				
60	19573	19851	19363	-64.7	-49.1	-79.1				
50	20700	20976	20395	-60.0	-45.1	-72.3				
40	22130	22436	21875	-54.9	-40.1	-65.7				
30	23988	24300	23669	-50.9	-36.3	-62.7				
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
618	4140	4810	3780				103	16400	-72.0

NORMALS OF RADIOSONDE DATA

MONTH : JANUARY TIME : 0530 IST STATION : PORT BLAIR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1003	1005	1001	23.5	29.8	17.0	20.8	053	1.5	1.7
1000	105	122	87	23.4	27.0	17.0	20.5	052	1.8	2.0
950	548	570	506	21.4	31.6	16.0	17.0	059	5.3	5.8
925	781	801	766	20.5	27.4	14.6	15.4	070	5.3	5.8
900	1020	1038	1003	18.9	29.6	13.4	12.7	079	5.2	6.0
850	1510	1527	1491	16.3	26.4	9.0	7.9	091	4.7	5.8
800	2024	2042	2003	14.0	24.4	7.0	2.7	094	4.0	5.4
750	2565	2585	2540	11.7	21.0	5.2	-2.0	094	3.2	5.0
700	3140	3160	3116	9.2	17.2	2.0	-5.4	093	2.4	4.6
650	3751	3785	3735	6.1	16.6	0.2	-8.3	094	1.9	4.7
600	4402	4426	4380	2.7	10.8	-4.7	-10.9	085	1.6	4.9
550	5101	5136	5079	-1.2	7.2	-10.7	-14.4	074	1.4	5.4
500	5855	5887	5830	-5.6	2.6	-13.9	-18.2	061	1.0	6.0
450	6672	6711	6641	-10.4	-1.1	-19.3	-23.2	050	0.5	6.6
400	7571	7616	7539	-16.1	-6.9	-26.7	-28.1	277	0.3	7.2
350	8562	8621	8523	-23.1	-12.9	-33.7		245	1.5	7.9
300	9676	9750	9632	-31.5	-20.7	-43.5		235	3.2	8.4
250	10941	11034	10882	-41.8	-29.0	-56.7		225	5.2	9.7
200	12414	12535	12339	-54.0	-40.1	-71.7		213	7.3	11.7
175	13256	13396	13158	-60.9	-46.7	-78.7		208	7.7	12.6
150	14198	14363	14090	-68.0	-54.9	-78.9		200	7.3	13.0
125	15274	15455	15157	-75.0	-63.1	-88.3		187	5.5	12.3
100	16549	16752	16436	-79.7	-69.3	-89.3		147	2.6	9.9
80	17821	18032	17662	-77.9	-64.7	-89.0		088	1.8	7.7
70	18594	18819	18413	-74.3	-58.9	-86.5		077	0.5	6.8
60	19501	19729	19311	-69.1	-56.1	-83.1		267	0.7	7.3
50	20613	20879	20374	-63.8	-45.9	-74.9		232	0.8	7.8
40	22012	22319	21744	-58.7	-45.1	-71.7		098	1.2	9.6
30	23843	24217	23528	-54.2	-37.1	-69.1		083	4.8	11.1
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
564	4890	5260	4680				99	16620	-81.5

NORMALS OF RADIOSONDE DATA

MONTH : FEBRUARY TIME : 0530 IST STATION : PORT BLAIR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1002	1004	999	23.2	28.0	17.8	21.0	050	0.7	0.8
1000	100	116	71	23.1	27.0	18.0	20.9	050	0.8	1.0
950	543	562	515	21.8	27.2	15.0	16.1	055	3.9	4.8
925	776	792	764	20.7	26.4	14.4	14.1	070	3.4	4.4
900	1016	1036	986	19.6	26.6	12.0	10.7	075	3.7	4.9
850	1506	1528	1476	17.0	22.8	10.2	6.1	091	3.6	5.1
800	2021	2045	1991	14.3	22.4	8.2	2.0	097	3.3	5.0
750	2563	2586	2532	11.7	19.8	4.4	-1.8	099	2.6	4.7
700	3137	3162	3109	9.0	20.0	1.0	-5.7	100	1.8	4.6
650	3749	3782	3721	5.9	13.6	-3.9	-8.4	094	1.2	4.6
600	4398	4426	4372	2.3	9.4	-6.0	-11.0	081	0.9	5.0
550	5096	5127	5064	-1.7	5.0	-9.5	-14.7	045	0.6	5.4
500	5848	5886	5807	-6.0	-0.7	-13.3	-19.0	010	0.3	6.1
450	6667	6709	6621	-10.9	-3.9	-18.9	-23.6	302	0.4	6.9
400	7563	7618	7514	-16.6	-10.3	-23.9	-28.9	279	0.9	7.8
350	8553	8619	8504	-23.6	-16.0	-33.0		253	1.6	8.5
300	9664	9741	9598	-31.9	-24.5	-40.5		232	3.1	9.1
250	10926	11023	10854	-42.1	-32.7	-51.3		216	5.0	10.1
200	12398	12520	12317	-54.4	-41.3	-64.5		205	6.4	11.5
175	13238	13379	13147	-61.3	-47.7	-72.5		198	7.0	12.6
150	14175	14344	14072	-68.3	-55.3	-78.7		192	6.3	12.3
125	15251	15453	15099	-75.1	-62.3	-86.1		179	4.8	11.7
100	16523	16761	16340	-79.9	-69.1	-90.9		144	2.0	9.4
80	17782	18043	17567	-78.2	-60.1	-90.1		193	0.2	7.4
70	18556	18815	18330	-74.2	-52.7	-87.3		270	2.3	7.3
60	19468	19729	19218	-68.9	-47.5	-79.9		266	3.6	8.3
50	20580	20866	20352	-63.8	-40.5	-76.7		273	2.2	9.1
40	21971	22278	21753	-58.8	-42.9	-70.5		174	0.4	11.3
30	23804	24148	23597	-53.6	-36.7	-66.5		098	3.9	12.8
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
570	4810	5150	4270				100	16550	-81.5

NORMALS OF RADIOSONDE DATA

MONTH : MARCH TIME : 0530 IST STATION : PORT BLAIR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1002	1003	999	23.9	28.6	19.6	22.2	051	0.2	0.4
1000	93	107	68	23.9	28.4	19.8	21.9	050	0.3	0.5
950	537	552	501	22.9	30.4	16.6	17.3	050	2.3	3.5
925	769	782	749	22.2	28.6	16.2	14.7	068	2.1	4.0
900	1013	1034	989	21.1	29.0	14.0	10.8	074	2.6	4.2
850	1506	1530	1482	18.4	25.2	10.8	6.0	087	3.2	4.9
800	2023	2053	2000	15.3	22.8	5.4	2.4	091	3.7	5.4
750	2565	2600	2544	12.3	19.8	3.4	-1.4	092	3.6	5.3
700	3142	3184	3122	9.2	16.8	1.4	-5.2	092	3.3	5.0
650	3753	3796	3732	6.1	13.4	-0.1	-8.5	091	2.5	4.8
600	4404	4460	4385	2.7	10.4	-4.0	-11.3	090	1.9	4.8
550	5103	5166	5085	-1.2	6.8	-8.0	-14.8	085	1.2	5.1
500	5857	5928	5835	-5.6	4.0	-13.1	-19.1	084	0.7	5.6
450	6676	6755	6650	-10.5	0.2	-19.3	-23.0	337	0.1	6.4
400	7574	7670	7547	-16.2	-6.3	-24.9	-28.4	262	1.3	7.2
350	8567	8673	8527	-23.0	-13.1	-32.9	-34.9	253	2.6	8.1
300	9681	9823	9632	-31.2	-20.1	-43.9		240	4.4	9.1
250	10946	11108	10889	-41.3	-29.1	-50.5		229	5.8	10.2
200	12421	12578	12208	-53.4	-42.9	-63.0		220	7.1	11.8
175	13264	13407	13110	-60.3	-50.5	-70.0		215	6.6	12.4
150	14208	14353	14038	-67.4	-56.3	-79.0		205	5.6	12.4
125	15286	15465	15096	-74.3	-64.1	-90.0		193	3.3	11.2
100	16567	16782	16345	-79.5	-64.1	-90.3		138	1.1	9.3
80	17835	18080	17584	-78.0	-59.3	-90.1		078	0.7	7.7
70	18609	18843	18352	-74.2	-60.7	-86.7		299	0.6	7.4
60	19518	19768	19252	-69.3	-54.7	-81.5		280	2.1	7.9
50	20620	20913	20350	-63.8	-52.5	-77.0		274	2.3	9.3
40	22019	22318	21656	-58.0	-44.7	-73.0		266	0.3	10.4
30	23861	24174	23446	-52.7	-41.9	-65.0		090	3.7	11.4
25	25041	25333	24676	-50.4	-39.9	-64.1		099	6.7	12.9
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
565	4890	5500	4610				98	16720	-81.3

NORMALS OF RADIOSONDE DATA

MONTH : APRIL TIME : 0530 IST STATION : PORT BLAIR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1000	1002	998	25.5	29.2	21.6	23.8	224	0.1	0.4
1000	82	93	67	25.4	29.8	21.6	23.5	042	0.0	0.4
950	529	542	506	24.1	30.4	17.8	20.4	037	0.3	3.1
925	766	775	748	23.0	29.4	16.0	18.3	020	0.5	3.4
900	1005	1019	990	21.8	28.8	15.8	15.5	107	0.9	3.4
850	1500	1514	1485	19.3	26.8	13.4	10.4	107	1.8	3.8
800	2020	2034	2005	16.4	26.0	10.8	6.2	100	2.7	4.5
750	2565	2583	2549	13.2	23.2	7.0	1.9	096	3.2	4.9
700	3143	3170	3126	9.8	19.4	4.4	-2.3	096	3.0	4.7
650	3756	3788	3738	6.4	15.6	-3.9	-5.7	099	2.5	4.5
600	4408	4452	4388	3.0	11.6	-4.3	-9.5	108	2.0	4.8
550	5108	5165	5089	-0.7	7.4	-8.5	-13.0	104	1.7	5.1
500	5864	5932	5838	-4.9	4.4	-12.5	-16.7	096	1.3	5.6
450	6685	6767	6657	-9.8	-0.5	-17.1	-21.2	083	0.8	5.9
400	7585	7687	7550	-15.5	-6.3	-23.9	-26.2	162	0.2	6.3
350	8580	8706	8537	-22.2	-11.9	-30.9	-31.9	248	0.8	6.7
300	9698	9857	9647	-30.3	-19.1	-40.9	-39.0	244	2.2	7.1
250	10967	11158	10906	-40.4	-30.1	-52.7		224	3.9	7.9
200	12448	12687	12368	-52.7	-43.1	-63.7		214	5.3	9.6
175	13297	13554	13203	-59.6	-49.3	-71.9		207	4.9	9.8
150	14243	14523	14121	-66.8	-55.1	-78.9		195	4.0	9.9
125	15324	15635	15177	-74.1	-57.9	-85.5		162	2.7	9.1
100	16606	16968	16429	-79.4	-67.9	-90.1		098	2.7	8.3
80	17873	18263	17657	-77.6	-62.1	-88.5		089	2.7	7.6
70	18649	19078	18435	-73.3	-58.1	-86.7		078	1.6	7.1
60	19569	20004	19268	-67.4	-53.3	-79.5		150	0.1	7.6
50	20690	21143	20351	-61.8	-47.9	-72.0		285	0.1	8.8
40	22101	22579	21835	-56.5	-43.3	-68.5		088	2.6	9.8
30	23957	24489	23608	-51.4	-37.5	-63.7		093	6.8	13.0
25	25145	25674	24740	-48.7	-36.7	-59.7		093	8.6	14.3
20	26635	27142	26172	-45.7	-31.1	-56.5		095	10.5	16.2
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
559	4980	5860	4590				97	16790	-80.9

NORMALS OF RADIOSONDE DATA

MONTH : MAY TIME : 0530 IST STATION : PORT BLAIR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	998	1000	997	26.1	29.8	22.0	24.4	231	1.6	2.0
1000	66	84	51	25.9	29.8	22.0	24.2	251	1.0	1.3
950	515	533	500	24.3	30.4	18.4	21.5	236	4.5	6.1
925	754	758	749	23.2	27.2	18.4	20.2	241	5.1	6.8
900	991	1009	975	21.7	27.6	15.4	18.1	239	4.6	6.6
850	1486	1505	1470	19.0	26.0	12.2	14.3	237	4.0	6.3
800	2006	2024	1988	16.2	22.4	9.8	10.5	235	3.2	6.1
750	2550	2570	2533	13.3	19.6	7.6	6.5	235	2.5	6.0
700	3131	3148	3111	10.2	16.8	4.2	2.4	233	1.9	6.0
650	3744	3762	3723	6.7	12.6	0.4	-1.8	232	1.8	6.0
600	4398	4424	4378	3.1	8.8	-4.0	-5.4	235	2.0	6.1
550	5099	5132	5076	-0.5	6.4	-6.1	-9.3	229	2.1	6.1
500	5856	5897	5833	-4.7	2.2	-10.3	-13.5	226	2.1	6.0
450	6678	6723	6647	-9.3	-2.1	-16.7	-17.9	211	1.5	5.9
400	7582	7638	7544	-14.6	-4.7	-21.3	-23.3	184	1.1	5.8
350	8581	8649	8531	-21.3	-11.9	-29.3	-29.6	143	1.2	5.5
300	9703	9789	9636	-29.4	-20.3	-37.9	-37.3	125	2.0	5.9
250	10979	11097	10891	-39.4	-29.0	-49.1	-46.4	114	3.4	7.5
200	12466	12619	12349	-52.0	-41.9	-61.5		102	5.8	9.8
175	13318	13494	13176	-59.1	-48.9	-69.1		100	7.5	11.5
150	14267	14469	14091	-66.6	-56.5	-78.3		097	9.1	12.6
125	15349	15627	15152	-74.1	-62.7	-86.1		095	11.0	13.6
100	16628	16876	16386	-79.5	-68.1	-90.1		094	11.7	13.5
80	17895	18189	17575	-77.5	-59.7	-89.7		091	10.3	12.1
70	18677	18989	18354	-72.5	-51.7	-87.9		091	7.7	10.2
60	19601	19945	19357	-66.6	-43.3	-85.5		087	5.0	8.4
50	20717	21105	20451	-61.4	-42.1	-82.9		085	4.6	9.0
40	22122	22563	21803	-56.9	-38.7	-74.9		089	6.8	10.6
30	23948	24308	23586	-52.5	-38.3	-65.1		088	10.8	13.3
25	25121	25711	24940	-50.1	-36.7	-61.3		093	12.5	15.4
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
557	5000	5510	4610				98	16750	-81.1

NORMALS OF RADIOSONDE DATA

MONTH : JUNE TIME : 0530 IST STATION : PORT BLAIR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	998	999	995	26.1	31.0	22.0	24.2	228	4.0	4.3
1000	58	70	45							
950	507	520	491	23.9	31.0	12.0	21.5	235	9.3	9.9
925	744	754	737	22.7	29.4	18.0	20.2	236	9.0	9.8
900	983	995	964	21.3	30.8	15.0	18.3	241	10.5	11.2
850	1478	1491	1457	18.7	29.8	13.2	14.8	244	9.9	10.8
800	1997	2011	1975	16.0	26.8	11.0	11.4	247	9.1	10.1
750	2542	2558	2518	13.2	23.2	6.0	7.5	248	8.4	9.6
700	3122	3142	3097	10.2	19.2	4.0	3.3	251	8.0	9.4
650	3736	3757	3707	6.7	14.6	0.0	-0.7	252	7.3	9.0
600	4390	4419	4364	3.0	10.6	-5.0	-4.4	253	6.5	8.6
550	5090	5119	5060	-0.9	7.0	-12.0	-8.0	252	5.7	8.0
500	5847	5883	5819	-5.1	2.8	-10.3	-12.1	250	4.7	7.6
450	6668	6708	6634	-9.6	-1.9	-15.5	-16.6	234	3.0	6.9
400	7571	7621	7541	-15.0	-8.1	-31.0	-21.9	180	1.6	6.4
350	8570	8627	8533	-21.5	-14.1	-28.1	-28.5	107	2.8	6.9
300	9691	9763	9645	-29.5	-20.9	-36.9	-36.7	083	6.7	9.3
250	10967	11059	10904	-39.5	-31.1	-48.1	-46.0	075	11.0	13.2
200	12454	12574	12370	-52.1	-42.3	-64.0		073	16.0	17.9
175	13301	13438	13204	-59.4	-49.7	-69.3		076	18.9	20.6
150	14245	14392	14139	-67.1	-58.1	-78.1		078	22.3	23.6
125	15320	15493	15199	-74.6	-63.7	-84.1		080	26.2	27.6
100	16602	16806	16435	-78.9	-63.7	-89.7		084	26.5	27.4
80	17884	18091	17682	-75.2	-59.1	-85.9		084	19.5	20.3
70	18671	18878	18468	-70.8	-56.7	-87.9		085	16.1	17.0
60	19598	19814	19327	-65.7	-50.7	-81.0		088	13.7	14.4
50	20722	20945	20490	-61.2	-46.9	-75.0		091	13.9	14.7
40	22137	22361	21927	-56.9	-46.1	-69.3		091	14.8	15.4
30										
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
561	4930	5310	4580				102	16460	-80.4

NORMALS OF RADIOSONDE DATA

MONTH : JULY TIME : 0530 IST STATION : PORT BLAIR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	998	1000	996	25.7	28.6	21.6	23.9	226	3.4	3.5
1000	61	75	47	25.4	27.8	23.0	23.3	223	2.8	3.0
950	509	525	492	23.7	32.4	17.4	21.4	235	8.8	9.4
925	742	751	736	22.5	31.0	17.2	19.9	240	9.8	10.5
900	985	1002	970	21.1	30.2	14.8	18.1	241	9.8	10.5
850	1479	1497	1463	18.4	28.6	12.0	14.6	244	9.2	10.0
800	1998	2017	1982	15.7	26.4	9.6	11.0	246	8.4	9.4
750	2542	2562	2519	12.9	23.2	6.6	7.3	249	7.8	8.9
700	3121	3145	3103	9.8	20.0	4.0	3.4	252	7.2	8.5
650	3734	3760	3711	6.4	15.8	0.0	-0.4	255	6.5	8.2
600	4387	4419	4366	2.7	11.8	-4.0	-4.2	256	5.3	7.7
550	5087	5123	5060	-1.2	6.8	-7.0	-8.0	255	4.4	7.2
500	5842	5889	5814	-5.4	1.2	-11.5	-12.2	247	3.3	6.6
450	6662	6718	6629	-10.0	-3.7	-15.9	-16.9	224	1.8	6.4
400	7564	7634	7526	-15.4	-7.3	-22.3	-22.4	134	1.7	6.2
350	8560	8645	8510	-22.0	-13.1	-30.7	-28.9	095	4.2	7.1
300	9679	9784	9617	-30.0	-21.1	-40.5	-37.2	081	7.9	9.6
250	10951	11083	10873	-40.0	-29.0	-51.9	-46.7	074	13.1	14.3
200	12434	12597	12326	-52.7	-42.7	-68.1		073	18.4	19.5
175	13279	13466	13155	-60.0	-49.1	-75.7		075	21.3	22.3
150	14220	14435	14071	-67.7	-55.5	-80.1		077	25.2	26.1
125	15292	15569	15118	-75.1	-62.5	-86.0		080	29.2	30.0
100	16570	16905	16350	-77.8	-63.1	-90.0		084	27.3	28.0
80	17874	18180	17599	-71.2	-55.7	-83.0		086	19.7	20.1
70	18674	18967	18376	-67.6	-48.3	-80.0		086	17.4	18.0
60	19607	19920	19290	-64.1	-45.9	-76.9		086	16.6	17.3
50	20735	21046	20395	-60.7	-45.7	-72.7		088	17.4	18.0
40	22144	22479	21773	-57.3	-45.1	-68.5		088	19.0	19.6
30	23992	24354	23593	-53.6	-37.9	-64.1		090	21.2	21.9
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
565	4860	5370	4500				107	16190	-79.8

NORMALS OF RADIOSONDE DATA

MONTH : AUGUST TIME : 0530 IST STATION : PORT BLAIR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	998	1000	997	25.7	28.0	22.0	23.9	230	3.7	3.9
1000	64	73	49	25.4	27.2	22.0	23.7	230	2.7	2.9
950	512	526	486	23.6	30.0	18.4	21.4	238	9.5	10.0
925	750	760	739	22.2	29.8	18.2	19.5	242	9.9	10.8
900	987	999	969	21.0	27.0	15.8	18.1	244	10.5	11.2
850	1481	1495	1463	18.3	25.0	8.0	14.6	247	10.0	10.8
800	2000	2016	1981	15.6	25.0	7.0	11.2	249	9.1	10.0
750	2544	2564	2526	12.8	20.2	7.0	7.4	252	8.5	9.6
700	3123	3147	3101	9.7	17.2	3.4	3.1	256	7.7	9.1
650	3736	3765	3711	6.3	13.8	-5.1	-1.0	259	6.7	8.5
600	4388	4426	4365	2.7	12.8	-3.0	-4.7	260	5.6	7.8
550	5088	5127	5059	-1.2	8.0	-7.1	-8.4	257	4.5	7.2
500	5844	5896	5815	-5.4	1.2	-12.9	-12.6	253	3.2	6.7
450	6664	6723	6629	-10.0	-1.9	-17.5	-17.0	233	1.5	6.4
400	7565	7629	7526	-15.5	-6.1	-24.1	-22.2	118	1.4	6.2
350	8560	8630	8518	-22.1	-13.1	-31.7	-29.0	092	4.8	7.4
300	9679	9765	9618	-30.2	-20.7	-40.9	-37.2	080	9.3	10.6
250	10950	11046	10873	-40.3	-30.5	-52.3	-46.4	076	14.0	15.2
200	12433	12548	12335	-52.9	-42.5	-65.9		075	18.7	19.8
175	13282	13412	13167	-59.9	-49.3	-73.7		077	21.7	22.6
150	14225	14408	14097	-67.6	-56.1	-82.3		079	25.2	26.0
125	15300	15459	15157	-75.0	-65.1	-89.3		082	27.7	28.7
100	16581	16768	16374	-76.8	-61.3	-94.0		085	26.5	27.2
80	17889	18122	17639	-70.2	-58.1	-86.0		088	19.2	19.7
70	18691	18941	18412	-66.7	-51.5	-80.0		085	17.3	17.8
60	19627	19884	19336	-63.8	-48.7	-72.3		086	17.2	17.8
50	20763	21063	20334	-60.0	-43.5	-69.5		085	17.7	18.3
40	22164	22553	21695	-57.2	-42.1	-66.1		090	18.8	19.4
30	24006	24435	23784	-53.9	-33.5	-69.7		088	20.2	20.7
25	25201	25667	24825	-52.0	-36.5	-62.1				
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
565	4870	5340	4580				108	16160	-79.2

NORMALS OF RADIOSONDE DATA

MONTH : SEPTEMBER TIME : 0530 IST STATION : PORT BLAIR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	999	1001	997	25.1	27.4	22.0	23.7	236	2.1	2.3
1000	74	90	56	24.9	27.4	22.0	23.6	234	1.5	1.7
950	521	538	505	23.3	28.2	18.8	20.9	243	6.2	7.3
925	756	771	737	22.1	26.6	17.8	19.6	249	7.1	8.3
900	996	1012	980	20.8	25.8	14.0	17.5	248	6.5	7.9
850	1489	1505	1475	18.2	26.0	12.2	14.2	250	5.7	7.4
800	2007	2024	1994	15.4	24.0	9.0	10.8	250	4.9	6.9
750	2550	2568	2537	12.5	19.8	2.0	7.3	251	4.3	6.5
700	3129	3148	3113	9.5	16.8	0.0	3.4	253	3.6	6.3
650	3741	3762	3721	6.2	14.0	0.8	-0.5	254	3.1	6.2
600	4394	4418	4375	2.5	10.0	-3.0	-4.2	254	2.2	6.0
550	5094	5121	5070	-1.3	6.0	-8.3	-8.0	245	1.2	5.7
500	5849	5880	5825	-5.4	1.4	-10.9	-12.1	175	0.5	5.3
450	6669	6707	6642	-10.0	-3.3	-16.1	-16.9	112	1.5	5.3
400	7570	7618	7537	-15.5	-7.5	-31.0	-23.0	097	3.0	5.6
350	8566	8625	8527	-22.2	-12.1	-29.7	-30.1	091	5.1	6.7
300	9683	9759	9635	-30.4	-22.3	-38.1	-38.2	087	7.7	8.9
250	10954	11049	10895	-40.6	-29.3	-49.1	-47.8	085	10.9	12.1
200	12433	12551	12358	-53.2	-44.1	-64.3		086	15.5	16.6
175	13277	13405	13190	-60.5	-51.3	-70.9		085	18.0	19.1
150	14220	14361	14114	-68.0	-59.5	-78.3		086	20.5	21.5
125	15298	15452	15170	-75.2	-64.1	-86.3		087	22.4	23.2
100	16578	16756	16417	-77.8	-59.5	-93.0		086	19.8	20.5
80	17875	18070	17672	-71.8	-54.1	-89.0		089	15.1	15.7
70	18673	18880	18448	-67.7	-50.1	-82.0		090	14.2	14.9
60	19611	19838	19356	-63.9	-47.9	-78.1		090	13.8	14.6
50	20743	21006	20453	-60.3	-45.5	-71.0		088	14.5	15.2
40	22170	22447	21710	-56.7	-37.5	-72.0		090	16.7	17.2
30	24026	24345	23778	-53.0	-38.1	-63.5		091	19.3	20.0
25	25215	25553	24945	-51.3	-36.1	-61.1		089	19.4	20.3
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
566	4860	5190	4580				108	16150	-79.7

NORMALS OF RADIOSONDE DATA

MONTH : OCTOBER TIME : 0530 IST STATION : PORT BLAIR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1000	1003	999	24.8	28.0	22.0	23.4	216	0.5	1.2
1000	82	102	67	24.7	28.0	22.0	23.3	156	0.2	1.0
950	529	551	512	23.0	28.4	15.2	20.3	217	1.5	5.3
925	762	784	750	21.8	26.4	18.2	18.7	208	1.2	5.5
900	1004	1025	986	20.6	27.2	13.8	16.9	207	1.4	5.7
850	1497	1517	1480	17.9	25.0	12.2	13.5	188	1.2	5.7
800	2015	2035	1997	15.2	24.0	9.0	10.2	175	1.2	5.8
750	2558	2581	2541	12.4	22.2	6.2	6.6	164	1.1	5.6
700	3136	3161	3117	9.4	17.4	3.6	2.7	146	1.1	5.6
650	3749	3777	3729	6.0	14.6	0.0	-0.8	134	1.3	5.4
600	4400	4436	4379	2.5	11.0	-3.3	-4.7	118	1.7	5.5
550	5100	5141	5076	-1.3	9.4	-7.0	-8.8	109	2.2	5.6
500	5855	5906	5830	-5.5	4.2	-10.3	-13.1	104	2.8	5.7
450	6675	6728	6648	-10.1	-1.3	-16.0	-18.0	102	3.4	5.8
400	7576	7643	7542	-15.5	-6.1	-22.1	-24.0	100	4.0	6.0
350	8572	8649	8531	-22.2	-12.1	-29.1	-31.0	098	4.6	6.3
300	9690	9784	9638	-30.5	-21.5	-38.1	-39.2	097	5.6	7.2
250	10959	11074	10895	-40.7	-28.0	-49.1	-47.9	095	7.2	8.8
200	12439	12568	12355	-53.4	-40.3	-62.7		094	9.7	11.6
175	13283	13428	13199	-60.7	-48.7	-70.1		096	11.5	13.5
150	14224	14395	14129	-68.2	-57.5	-78.5		097	13.4	15.1
125	15295	15475	15189	-75.6	-64.0	-86.3		098	14.9	16.3
100	16568	16798	16429	-79.2	-63.1	-90.5		093	13.4	14.5
80	17849	18120	17624	-74.0	-57.3	-85.5		093	9.9	11.1
70	18641	18969	18393	-70.0	-53.9	-84.0		092	9.1	10.3
60	19577	19923	19288	-65.8	-50.3	-76.1		093	9.1	10.6
50	20698	21071	20392	-61.5	-47.5	-74.0		089	9.6	11.4
40	22107	22535	21743	-57.6	-44.5	-73.0		088	12.0	13.7
30	23955	24402	23554	-53.5	-39.7	-66.0		091	15.3	17.0
25	25141	25615	24915	-51.1	-37.5	-60.1				
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
567	4860	5380	4540				106	16260	-80.9

NORMALS OF RADIOSONDE DATA

MONTH : NOVEMBER TIME : 0530 IST STATION : PORT BLAIR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1001	1004	999	25.2	33.8	20.6	22.7	088	1.2	2.0
1000	91	109	62	25.1	29.0	21.0	22.7	079	1.5	2.1
950	537	559	508	22.9	28.2	18.0	19.6	089	4.0	6.3
925	772	788	740	21.7	27.6	18.0	17.9	087	4.9	6.7
900	1011	1029	978	20.2	29.0	14.0	16.0	098	4.6	6.9
850	1504	1520	1480	17.5	27.0	12.0	12.1	103	4.8	7.0
800	2020	2039	2005	14.8	23.0	9.0	8.5	107	4.5	6.7
750	2563	2586	2547	12.1	19.8	6.2	4.5	108	4.2	6.3
700	3140	3163	3124	9.1	15.8	2.6	0.8	111	3.9	6.0
650	3752	3778	3732	5.8	12.4	0.6	-2.8	111	3.7	5.9
600	4402	4434	4382	2.3	9.0	-3.5	-6.3	111	3.7	6.0
550	5101	5139	5074	-1.4	5.4	-6.9	-10.4	106	3.7	6.3
500	5855	5900	5827	-5.4	4.0	-11.3	-14.7	102	3.9	6.4
450	6675	6729	6643	-10.1	-3.5	-16.1	-19.3	100	4.3	6.7
400	7574	7637	7544	-15.6	-7.7	-22.0	-25.2	103	4.3	6.7
350	8570	8635	8530	-22.5	-14.3	-30.5	-31.8	105	4.2	6.8
300	9685	9765	9641	-30.8	-22.9	-38.1	-38.9	109	4.0	7.0
250	10952	11063	10899	-41.1	-32.3	-48.7		121	4.4	7.8
200	12427	12594	12359	-53.8	-43.9	-61.7		128	5.5	9.0
175	13270	13446	13194	-61.1	-50.9	-69.9		129	6.0	9.6
150	14210	14417	14116	-68.5	-56.9	-78.0		125	7.0	10.6
125	15277	15512	15166	-76.0	-64.7	-86.1		118	7.3	10.4
100	16546	16792	16353	-80.6	-69.5	-91.0		105	6.8	9.6
80	17818	18125	17695	-76.5	-61.9	-87.0		103	5.5	8.3
70	18592	18885	18438	-72.1	-57.9	-87.0		098	4.3	7.4
60	19514	19851	19217	-67.4	-55.3	-78.1		101	4.4	7.8
50	20628	20924	20343	-63.1	-51.3	-74.1		089	6.2	9.1
40	22025	22354	21744	-58.1	-46.1	-67.1		091	8.8	11.1
30	23853	24326	23562	-53.7	-40.3	-62.9		086	11.4	13.7
25	25030	25536	24710	-51.3	-35.7	-61.9				
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
568	4840	5400	4600				102	16420	-82.2

NORMALS OF RADIOSONDE DATA

MONTH : DECEMBER TIME : 0530 IST STATION : PORT BLAIR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1003	1004	1001	24.8	28.0	19.0	21.5	062	2.2	2.5
1000	103	124	90	24.7	27.8	19.2	21.3	062	2.4	2.7
950	548	565	534	22.0	29.6	17.0	18.3	069	6.0	6.8
925	781	793	771	20.5	25.8	15.2	16.8	071	5.9	6.6
900	1021	1043	1008	19.2	27.4	12.8	14.5	082	6.3	7.2
850	1511	1534	1497	16.5	24.2	10.0	10.3	090	5.9	7.0
800	2026	2050	2011	14.2	22.0	8.2	5.9	095	5.2	6.6
750	2567	2594	2545	11.8	19.6	5.0	1.6	097	4.5	6.1
700	3144	3173	3125	9.2	19.0	3.6	-2.4	097	3.9	5.8
650	3756	3785	3734	6.0	13.4	1.0	-5.9	095	3.5	5.6
600	4406	4443	4385	2.6	10.2	-3.5	-9.0	094	3.3	5.6
550	5105	5144	5080	-1.2	6.8	-7.1	-12.8	089	3.5	5.9
500	5859	5899	5837	-5.4	3.4	-12.1	-16.9	089	3.5	6.3
450	6678	6724	6651	-10.2	-1.7	-17.0	-21.5	089	2.9	6.7
400	7577	7634	7548	-15.9	-7.5	-22.1	-26.3	096	2.6	6.9
350	8571	8644	8530	-22.8	-13.9	-28.9	-32.5	122	1.8	7.2
300	9685	9777	9635	-31.1	-22.1	-38.7	-39.4	172	1.9	7.4
250	10950	11064	10885	-41.4	-29.0	-49.7		191	4.0	8.6
200	12424	12568	12335	-54.0	-41.7	-66.9		187	6.1	10.5
175	13268	13427	13165	-60.9	-49.1	-72.0		185	6.5	11.3
150	14216	14446	14086	-68.0	-57.3	-79.3		183	5.9	11.1
125	15284	15488	15141	-75.2	-63.3	-87.7		170	4.2	10.4
100	16559	16788	16386	-80.4	-66.5	-91.5		129	3.3	9.3
80	17819	18068	17645	-78.0	-62.0	-91.7		095	3.6	8.2
70	18591	18878	18351	-73.9	-57.9	-86.7		091	3.1	7.5
60	19499	19763	19255	-68.6	-53.3	-79.0		109	2.1	7.1
50	20599	20894	20358	-63.6	-48.1	-75.3		110	2.6	8.2
40	21993	22310	21646	-59.3	-44.3	-69.9		091	3.6	9.4
30	23797	24153	23492	-54.9	-39.3	-64.5		099	7.8	12.2
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
565	4890	5370	4570				100	16560	-82.0

NORMALS OF RADIOSONDE DATA

MONTH : JANUARY TIME : 0530 IST STATION : RAIPUR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	957	982	943	13.2	19.4	5.0	9.0	028	0.9	2.0
1000	139	174	114							
950	552	591	524	17.7	24.2	6.6	9.5	057	2.6	4.4
925	792	822	778	16.9	24.8	6.0	7.2	031	1.3	4.0
900	1029	1056	1012	15.5	29.2	5.2	5.3	325	1.7	4.6
850	1512	1538	1495	13.6	27.8	3.4	2.7	291	3.8	6.0
800	2021	2047	2001	11.1	26.4	2.0	-0.3	289	5.7	7.4
750	2554	2583	2532	8.5	23.6	-0.3	-3.7	285	7.3	8.8
700	3124	3156	3101	5.7	19.4	-3.7	-7.3	284	9.4	10.8
650	3721	3754	3693	2.6	15.0	-7.9	-10.9	282	11.5	12.8
600	4370	4419	4338	-0.7	10.2	-11.1	-15.1	279	13.9	15.3
550	5063	5118	5012	-4.5	5.0	-14.5	-19.0	276	16.6	17.9
500	5804	5871	5764	-9.0	1.8	-19.9	-22.7	273	19.7	21.1
450	6609	6679	6546	-14.1	-3.1	-28.9		271	22.8	24.4
400	7494	7584	7445	-19.8	-9.9	-31.3		270	26.3	28.2
350	8474	8559	8421	-26.1	-15.1	-38.5		269	30.5	32.6
300	9574	9698	9505	-33.2	-24.1	-48.3		266	33.8	35.9
250	10833	10979	10749	-41.9	-30.3	-57.9		264	36.4	38.7
200	12305	12539	12209	-52.5	-40.3	-66.1		261	35.7	38.1
175	13155	13415	13049	-58.2	-45.1	-70.9		258	34.4	36.8
150	14098	14356	13983	-64.0	-50.1	-77.1		256	33.1	35.8
125	15195	15565	15049	-69.5	-54.1	-81.3				
100	16499	16963	16329	-74.0	-56.9	-85.7				
80	17797	18322	17610	-74.1	-60.3	-84.7				
70	18590	19160	18381	-71.3	-58.1	-81.7				
60	19515	20046	19265	-66.8	-50.3	-79.1				
50	20634	21140	20364	-61.8	-42.7	-72.7				
40	22040	22583	21799	-57.0	-40.3	-69.7				
30	23873	24461	23624	-52.6	-34.1	-62.5				
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
614	4200	4790	3730				102	16470	-75.5

NORMALS OF RADIOSONDE DATA

MONTH : FEBRUARY TIME : 0530 IST STATION : RAIPUR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	955	980	940	15.4	23.6	7.2	9.2	005	0.7	1.5
1000	120	156	90							
950	536	572	510	19.9	29.4	12.2	10.3	041	2.8	5.3
925	775	798	749	19.5	28.0	10.6	8.3	021	1.7	4.9
900	1017	1048	994	17.6	27.8	8.4	4.9	328	2.0	5.2
850	1503	1534	1481	15.3	25.8	7.0	2.2	288	3.9	6.2
800	2015	2045	1991	12.2	23.8	4.6	-0.6	279	6.2	7.7
750	2546	2573	2519	8.9	20.6	0.2	-3.3	278	8.4	9.9
700	3119	3152	3090	5.5	15.8	-0.7	-7.0	278	10.3	11.8
650	3712	3745	3678	2.2	12.6	-6.3	-11.1	277	12.1	13.5
600	4363	4403	4329	-1.1	8.6	-10.5	-14.2	278	14.2	15.8
550	5056	5101	5016	-4.9	4.6	-16.3	-18.1	277	17.2	18.7
500	5796	5848	5756	-9.2	1.2	-17.5	-22.9	275	20.0	21.8
450	6601	6657	6544	-14.2	-2.1	-24.5	-27.9	274	22.7	24.6
400	7487	7554	7427	-19.9	-5.9	-29.5		273	26.3	28.6
350	8465	8537	8388	-26.2	-10.9	-36.7		271	30.4	33.0
300	9564	9666	9479	-33.2	-18.9	-47.5		267	33.9	37.1
250	10821	10944	10712	-41.8	-26.9	-55.3		265	36.0	39.9
200	12295	12453	12162	-52.2	-40.1	-64.1		262	37.1	40.9
175	13142	13326	12994	-58.1	-45.1	-76.7		265	35.8	39.8
150	14093	14318	13940	-63.6	-49.5	-79.1		263	34.0	37.0
125	15188	15512	15041	-69.4	-55.9	-84.1				
100	16496	16857	16322	-73.9	-60.5	-87.9				
80	17778	18200	17587	-74.4	-59.1	-86.9				
70	18563	19010	18355	-71.9	-56.9	-84.1				
60	19471	19970	19247	-67.4	-51.9	-80.7				
50	20591	21077	20338	-62.4	-46.5	-78.9				
40	21976	22520	21711	-57.9	-41.1	-75.5				
30	23809	24371	23468	-53.4	-34.3	-70.1				
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
618	4130	4600	3590				099	16630	-76.2

NORMALS OF RADIOSONDE DATA

MONTH : MARCH TIME : 0530 IST STATION : RAIPUR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	953	977	940	19.7	29.0	12.0	10.0	343	0.2	2.1
1000	96	117	59							
950	521	559	502	24.8	35.6	17.0	10.0	019	2.3	5.8
925	764	788	740	24.3	34.8	13.6	7.6	353	1.9	5.5
900	1006	1024	980	22.1	32.2	9.4	5.3	322	2.3	5.7
850	1500	1517	1478	19.5	29.0	7.2	2.8	295	4.3	6.7
800	2018	2037	1998	15.9	23.6	5.6	0.4	282	6.6	8.1
750	2556	2584	2535	11.9	22.4	2.8	-2.0	278	8.4	9.7
700	3134	3158	3112	7.5	17.0	0.4	-4.9	278	10.0	11.5
650	3729	3768	3693	3.3	13.0	-3.5	-8.5	279	11.2	12.8
600	4383	4413	4352	-0.6	9.4	-10.5	-12.9	280	12.6	14.1
550	5076	5110	5037	-4.4	7.2	-12.7	-17.9	280	14.1	15.7
500	5818	5857	5776	-8.9	1.8	-19.5	-21.6	278	16.2	17.8
450	6624	6669	6567	-14.0	0.0	-23.5	-26.7	276	18.4	20.2
400	7511	7569	7455	-20.0	-6.1	-30.1	-31.6	274	20.7	22.7
350	8489	8561	8418	-26.4	-8.5	-37.1		273	23.8	26.4
300	9585	9698	9506	-33.7	-18.3	-44.7		271	27.2	30.4
250	10839	11000	10745	-42.2	-24.3	-53.7		267	31.3	34.7
200	12308	12495	12191	-51.9	-35.7	-65.1		266	32.2	35.6
175	13159	13394	13039	-57.2	-44.7	-68.7		265	32.0	34.7
150	14117	14383	13998	-62.7	-50.3	-74.1		265	30.1	32.6
125	15216	15530	15072	-68.6	-53.9	-79.3		268	25.9	27.8
100	16529	16944	16356	-73.4	-56.9	-84.5		269	18.6	20.8
80	17828	18060	17659	-73.7	-59.5	-82.9				
70	18622	18890	18479	-71.3	-53.5	-83.1				
60	19531	19791	19394	-66.8	-47.1	-81.1				
50	20645	20972	20518	-61.2	-39.5	-75.9				
40	22043	22327	21881	-56.5	-39.7	-68.1				
30	23876	24212	23682	-52.2	-38.5	-65.7				
25	25038	25415	24845	-49.9	-34.1	-66.3				
20	26499	26924	26290	-47.3	-34.3	-64.5				
15										
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7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
607	4280	4710	3950				097	16740	-75.6

NORMALS OF RADIOSONDE DATA

MONTH : APRIL TIME : 0530 IST STATION : RAIPUR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	951	975	936	24.2	31.6	17.2	11.9	237	0.5	1.6
1000	62	99	28							
950	496	532	459	27.7	36.2	17.2	13.6	256	2.2	6.3
925	742	769	721	27.4	36.2	17.0	11.2	268	2.4	6.5
900	986	1007	966	26.1	37.8	14.6	7.0	287	2.5	6.4
850	1487	1508	1471	23.3	33.6	13.2	4.4	291	4.3	6.9
800	2012	2036	1991	19.5	31.0	9.8	2.0	290	5.3	7.1
750	2552	2586	2514	15.0	26.0	5.8	-0.1	285	6.2	7.8
700	3141	3166	3110	10.1	21.0	1.6	-2.5	281	7.3	8.9
650	3737	3777	3690	5.0	15.8	-3.5	-5.2	281	8.2	9.9
600	4398	4426	4364	0.0	10.2	-8.7	-9.2	282	9.5	11.1
550	5090	5127	5055	-4.1	5.0	-17.9	-14.8	284	10.6	12.1
500	5835	5878	5793	-8.2	0.6	-18.1	-20.3	283	12.0	13.6
450	6643	6695	6596	-13.1	-2.7	-23.9	-25.5	280	14.2	15.9
400	7533	7596	7471	-18.9	-8.5	-30.5	-30.2	275	16.8	18.7
350	8514	8588	8441	-25.4	-15.5	-38.7	-35.5	271	20.6	22.8
300	9617	9708	9525	-32.7	-22.1	-46.9		268	23.6	26.5
250	10875	10999	10763	-41.4	-31.1	-54.9		263	27.9	31.4
200	12356	12491	12223	-51.2	-38.3	-65.5		259	30.0	33.0
175	13209	13375	13055	-56.5	-41.1	-68.9		258	29.1	32.1
150	14170	14330	14019	-62.0	-47.5	-74.5		260	25.5	28.3
125	15276	15474	14918	-68.1	-53.5	-83.5		262	21.6	24.3
100	16593	16840	16207	-73.4	-58.7	-82.5		264	15.1	17.5
80	17890	18357	17769	-74.1	-58.1	-87.1		277	7.4	13.4
70	18677	19135	18541	-71.4	-57.3	-87.1				
60	19584	20056	19446	-66.6	-50.9	-81.3				
50	20708	21202	20534	-60.4	-43.9	-72.7				
40	22118	22656	21912	-55.0	-37.7	-67.3				
30	23979	24593	23756	-49.9	-35.5	-61.7				
25	25157	25810	24933	-47.7	-34.5	-57.9				
20	26624	27383	26294	-45.6	-32.5	-55.9				
15										
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FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
597	4420	4920	3940				095	16940	-75.9

NORMALS OF RADIOSONDE DATA

MONTH : MAY TIME : 0530 IST STATION : RAIPUR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	947	971	933	26.8	34.0	17.0	15.6	249	0.5	1.4
1000	29	73	3							
950	465	506	438	29.4	36.4	20.2	17.2	266	3.9	7.1
925	711	741	683	29.4	40.2	19.8	14.9	273	4.5	7.8
900	961	992	941	28.0	41.0	16.8	11.7	281	3.6	7.1
850	1465	1489	1447	25.5	37.0	16.2	8.5	295	4.8	7.3
800	1995	2020	1977	21.9	32.8	11.8	5.8	304	5.5	7.3
750	2540	2576	2508	17.5	31.0	6.4	3.2	307	5.7	7.3
700	3133	3159	3115	12.5	26.0	1.8	0.9	308	6.0	7.9
650	3734	3774	3688	7.2	20.2	-2.5	-2.2	305	6.3	8.4
600	4401	4428	4380	2.2	14.2	-6.9	-6.2	303	6.7	8.9
550	5100	5130	5059	-2.1	10.2	-13.7	-11.1	300	6.8	9.0
500	5850	5884	5817	-5.9	7.6	-18.3	-16.8	299	6.9	9.4
450	6668	6723	6610	-10.1	2.6	-24.7	-21.5	291	7.9	10.5
400	7569	7635	7521	-15.3	-1.9	-29.1	-26.2	282	9.2	12.2
350	8564	8645	8499	-21.5	-8.3	-35.7	-30.7	273	10.7	14.0
300	9687	9805	9620	-28.8	-15.1	-44.1		263	12.4	15.5
250	10965	11114	10885	-37.8	-26.5	-54.5		254	14.0	17.2
200	12465	12650	12369	-48.7	-38.1	-64.7		247	14.1	17.4
175	13327	13515	13220	-55.1	-41.1	-69.5		241	13.1	16.7
150	14298	14519	14127	-61.8	-49.1	-73.5		236	11.2	15.7
125	15408	15679	15213	-68.7	-54.3	-81.7		229	7.5	13.6
100	16729	17072	16544	-74.2	-61.1	-84.5		180	2.9	11.4
80	18014	18489	17822	-74.1	-61.5	-87.5		102	4.7	9.7
70	18795	19337	18620	-70.8	-53.9	-87.1		092	7.0	9.7
60	19716	20292	19517	-65.1	-46.1	-82.3		078	7.3	9.2
50	20831	21444	20637	-59.4	-40.5	-74.9		078	8.4	9.3
40	22245	22880	21972	-54.4	-31.3	-74.3				
30	24102	24752	23832	-49.7	-36.7	-69.3				
25	25288	25965	25020	-47.1	-35.3	-62.9				
20	26767	27543	26516	-45.1	-34.1	-60.1				
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
573	4750	5450	4330				095	17030	-76.3

NORMALS OF RADIOSONDE DATA

MONTH : JUNE TIME : 0530 IST STATION : RAIPUR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	944	969	928	26.3	35.4	21.0	20.6	250	1.0	2.0
1000	10	26	0							
950	431	477	391	27.1	36.2	22.0	21.6	247	4.7	7.0
925	686	718	672	26.6	37.8	20.4	19.5	255	5.8	8.4
900	929	956	904	25.6	37.0	18.4	17.8	274	5.1	7.9
850	1431	1462	1401	23.3	34.6	14.6	15.1	290	5.9	8.8
800	1957	1993	1925	20.2	30.6	11.8	12.5	303	5.4	8.1
750	2508	2551	2477	16.6	24.2	9.6	9.6	315	4.6	7.3
700	3095	3137	3058	12.6	20.0	4.4	6.4	328	4.5	7.2
650	3707	3754	3660	8.6	18.8	-0.9	2.8	334	4.2	7.2
600	4371	4406	4335	4.6	14.0	-5.5	-1.2	329	3.7	6.8
550	5085	5120	5052	.8	10.4	-7.5	-5.1	329	2.8	6.3
500	5837	5886	5802	-2.8	6.2	-12.7	-9.1	335	1.9	6.2
450	6669	6746	6622	-6.7	4.2	-17.9	-13.6	357	0.8	6.3
400	7578	7658	7536	-11.5	-1.3	-22.9	-19.2	031	0.8	6.5
350	8590	8674	8536	-17.5	-6.9	-27.5	-26.1	080	1.4	6.7
300	9728	9847	9660	-25.0	-13.9	-36.5	-33.2	095	2.5	7.5
250	11029	11177	10941	-34.7	-24.9	-46.1	-42.4	105	4.1	8.5
200	12544	12718	12430	-46.9	-32.7	-56.9		106	6.5	10.8
175	13414	13612	13284	-54.2	-43.1	-66.1		099	8.8	12.7
150	14379	14592	14239	-61.9	-49.9	-71.5		095	11.4	14.7
125	15478	15724	15310	-70.1	-56.5	-80.1		093	13.8	16.4
100	16768	17078	16563	-76.7	-64.5	-87.5		093	16.8	18.3
80	18049	18376	17822	-75.3	-63.7	-86.5		086	16.1	17.0
70	18845	19163	18602	-71.3	-59.3	-84.5		084	15.7	16.7
60	19760	20076	19549	-65.3	-48.5	-77.3		082	15.3	15.9
50	20878	21233	20673	-59.5	-45.1	-74.1				
40	22288	22658	22087	-54.6	-34.7	-65.9				
30										
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
538	5250	6020	4730				098	16930	-78.6

NORMALS OF RADIOSONDE DATA

MONTH : JULY TIME : 0530 IST STATION : RAIPUR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	944	968	930	24.4	34.0	21.4	22.7	252	1.2	1.8
1000	8	20	2							
950	431	473	389	24.6	30.2	21.2	22.8	247	5.8	6.8
925	680	708	660	23.9	28.8	18.0	21.4	257	6.8	8.2
900	927	953	913	23.1	31.0	16.2	20.5	271	5.5	7.4
850	1424	1447	1411	20.7	29.8	14.4	17.7	284	6.5	8.7
800	1947	1972	1932	17.9	28.0	12.2	15.0	291	5.5	8.0
750	2498	2540	2481	14.9	25.2	9.8	12.1	296	4.3	6.9
700	3079	3106	3061	11.8	22.0	6.0	8.8	301	3.1	6.3
650	3693	3725	3662	8.7	18.2	2.4	4.9	302	1.9	5.8
600	4355	4385	4333	5.4	14.8	-2.9	1.0	311	0.8	5.4
550	5073	5133	5037	1.8	11.8	-7.1	-2.8	051	0.4	5.4
500	5826	5879	5794	-2.0	8.4	-11.7	-7.1	098	1.3	5.7
450	6661	6744	6621	-6.2	4.8	-14.9	-12.4	098	2.6	6.0
400	7572	7656	7531	-11.3	-0.3	-19.5	-18.3	095	4.1	6.5
350	8584	8692	8537	-17.4	-7.5	-28.7	-24.8	091	5.7	7.6
300	9724	9857	9654	-24.9	-13.1	-35.1	-32.9	089	8.0	9.2
250	11024	11152	10923	-34.6	-25.1	-46.3	-42.5	085	11.3	12.1
200	12533	12687	12422	-47.1	-38.1	-58.5		080	16.6	17.3
175	13403	13578	13275	-54.6	-44.1	-66.9		079	19.4	20.2
150	14373	14570	14221	-62.4	-49.9	-74.5		077	22.3	23.3
125	15462	15672	15307	-70.9	-56.3	-81.9		078	25.8	27.1
100	16747	17011	16587	-76.7	-62.9	-88.7		083	28.4	29.3
80	18027	18350	17846	-73.7	-59.7	-82.5		083	25.4	26.0
70	18818	19210	18633	-69.4	-49.9	-79.5		082	24.6	25.6
60	19730	20170	19572	-64.5	-45.1	-77.9		082	24.8	25.2
50	20858	21331	20697	-60.0	-41.9	-75.9				
40	22268	22782	22099	-55.4	-43.7	-72.1				
30										
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
527	5420	6130	4500				102	16680	-78.3

NORMALS OF RADIOSONDE DATA

MONTH : AUGUST TIME : 0530 IST STATION : RAIPUR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	944	970	930	24.0	28.4	20.0	22.6	254	0.7	1.7
1000	13	34	0							
950	439	475	391	24.6	29.4	20.2	23.2	253	4.7	6.5
925	696	710	684	23.8	30.2	19.4	21.9	271	5.3	7.5
900	935	954	914	22.6	29.2	16.0	20.6	290	4.2	7.2
850	1432	1451	1410	20.2	28.2	12.0	18.1	302	4.5	8.0
800	1953	1974	1930	17.6	27.6	7.8	15.4	308	3.9	7.7
750	2505	2524	2475	14.9	25.2	4.6	12.3	313	2.7	6.9
700	3085	3111	3058	12.0	22.2	2.0	8.7	326	1.6	6.7
650	3699	3732	3660	9.1	18.0	0.6	4.8	337	0.8	6.4
600	4363	4401	4330	5.9	14.2	-1.3	0.9	063	0.8	6.4
550	5081	5129	5043	2.4	10.8	-5.5	-3.1	086	1.7	6.3
500	5838	5890	5798	-1.5	7.8	-9.7	-7.5	097	3.3	7.2
450	6672	6737	6624	-5.8	3.6	-16.7	-12.8	098	3.8	6.9
400	7585	7657	7544	-10.9	-0.7	-18.7	-18.6	095	4.7	7.3
350	8596	8661	8546	-17.1	-7.5	-26.5	-25.5	097	6.3	8.2
300	9741	9840	9684	-24.6	-14.3	-33.1	-33.2	093	8.5	9.7
250	11043	11171	10970	-34.2	-25.7	-43.7	-42.5	085	10.9	11.7
200	12566	12703	12479	-46.6	-38.7	-57.5		079	14.5	15.5
175	13435	13633	13332	-53.9	-43.3	-65.1		078	16.1	17.5
150	14408	14638	14289	-61.7	-50.1	-73.7		075	18.7	20.3
125	15509	15778	15380	-69.9	-57.5	-78.7		078	23.4	24.3
100	16799	17029	16670	-75.8	-62.5	-84.9				
80	18078	18405	17952	-72.3	-56.9	-82.9				
70	18866	19207	18734	-68.3	-53.5	-78.5				
60	19803	20167	19654	-64.0	-50.9	-80.9				
50	20928	21335	20757	-59.5	-46.3	-78.5				
40	22331	22789	22140	-55.4	-42.5	-73.1				
30										
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
518	5560	6180	5190				101	16790	-77.7

NORMALS OF RADIOSONDE DATA

MONTH : SEPTEMBER TIME : 0530 IST STATION : RAIPUR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	948	973	935	23.5	29.2	17.8	22.0	278	0.1	1.3
1000	47	90	23							
950	470	511	442	24.6	28.6	20.6	22.0	281	2.4	5.1
925	720	745	695	23.6	29.6	18.8	20.1	291	2.7	5.3
900	967	1002	945	22.3	28.8	15.6	18.9	305	2.4	5.4
850	1463	1500	1440	19.9	26.2	13.4	15.7	315	3.0	6.2
800	1984	2022	1961	17.0	24.8	11.2	12.2	323	3.0	6.1
750	2527	2575	2505	13.9	23.0	6.8	8.3	326	2.7	5.8
700	3111	3154	3088	10.8	19.8	3.6	4.6	321	2.2	5.4
650	3718	3752	3689	7.5	16.4	1.2	1.0	305	1.7	5.3
600	4382	4429	4359	4.3	12.6	-2.1	-2.4	265	1.2	5.1
550	5095	5145	5059	0.9	9.0	-6.5	-5.9	214	0.9	5.0
500	5847	5902	5815	-2.9	5.8	-9.9	-10.3	184	0.7	5.2
450	6678	6743	6635	-7.3	2.0	-16.1	-15.1	125	0.8	5.4
400	7585	7651	7536	-12.6	-1.9	-28.1	-21.1	104	1.3	5.5
350	8593	8666	8533	-18.9	-6.9	-26.9	-27.4	107	1.8	5.9
300	9728	9817	9657	-26.5	-14.9	-35.3	-34.8	110	2.5	6.4
250	11019	11131	10929	-36.2	-24.3	-46.1	-44.4	107	3.2	7.3
200	12528	12677	12417	-48.4	-37.3	-62.5		096	5.4	9.6
175	13388	13549	13270	-55.7	-44.1	-65.3		095	6.8	10.9
150	14353	14500	14222	-63.4	-51.9	-71.3		091	9.4	13.2
125	15448	15635	15307	-71.2	-58.3	-79.9		095	11.3	13.8
100	16751	17130	16585	-76.3	-59.1	-87.7		093	12.2	13.3
80	18047	18345	17861	-71.9	-58.7	-82.9		086	11.8	12.7
70	18843	19275	18646	-67.5	-55.7	-75.9		081	11.8	12.6
60	19777	20202	19564	-62.8	-50.3	-71.5				
50	20911	21631	20667	-58.4	-42.5	-68.5				
40	22336	23124	22022	-54.1	-36.5	-64.3				
30										
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
539	5250	5760	4790				103	16570	-77.2

NORMALS OF RADIOSONDE DATA

MONTH : OCTOBER TIME : 0530 IST STATION : RAIPUR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	953	980	939	20.5	28.0	13.0	17.6	034	1.3	1.9
1000	95	118	66							
950	515	563	476	23.6	27.8	18.4	18.4	051	2.8	4.8
925	764	796	747	22.9	29.4	16.4	16.0	051	2.5	4.6
900	1005	1033	986	21.0	28.6	12.8	13.1	026	2.1	4.7
850	1499	1527	1479	18.5	27.4	10.0	9.4	014	2.5	5.2
800	2016	2042	1996	15.3	25.2	6.0	5.9	002	3.0	5.9
750	2558	2589	2536	12.0	22.0	3.4	2.6	352	3.2	6.1
700	3134	3159	3111	8.9	18.2	-0.5	-0.6	340	2.7	5.9
650	3740	3772	3712	6.0	15.0	-5.1	-4.0	317	1.9	5.8
600	4395	4430	4370	2.9	13.2	-7.3	-6.7	285	2.1	5.8
550	5104	5148	5069	-0.6	7.4	-10.7	-9.9	270	2.9	6.5
500	5851	5905	5814	-4.7	5.0	-13.5	-14.1	262	4.1	7.4
450	6674	6744	6628	-9.3	3.4	-16.7	-19.1	257	5.4	8.8
400	7575	7670	7515	-14.8	-1.1	-24.5	-24.6	254	6.6	9.6
350	8571	8672	8504	-21.3	-10.1	-30.3	-30.5	251	8.2	10.7
300	9694	9837	9607	-28.9	-19.1	-38.1	-37.9	249	10.1	12.3
250	10973	11153	10872	-38.4	-22.9	-49.3		245	11.9	14.2
200	12469	12702	12337	-50.3	-40.5	-65.5		241	12.3	15.1
175	13325	13591	13182	-57.0	-43.9	-68.1		238	11.5	14.5
150	14282	14600	14134	-64.2	-50.1	-74.5		234	9.6	13.0
125	15373	15757	15209	-71.2	-60.1	-81.3		227	6.2	10.4
100	16669	17076	16513	-75.6	-63.5	-83.3		188	3.0	8.3
80	17951	18319	17724	-72.2	-56.1	-84.3		097	3.3	6.6
70	18749	19060	18503	-67.9	-55.7	-80.3		075	4.5	6.4
60	19676	20014	19419	-63.2	-51.5	-72.1		075	5.4	6.7
50	20816	21175	20539	-58.9	-47.7	-70.9		082	6.7	7.6
40	22226	22619	21957	-54.8	-43.3	-69.1				
30	24071	24474	23830	-50.7	-38.3	-63.5				
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
560	4960	5670	4330				105	16440	-77.0

NORMALS OF RADIOSONDE DATA

MONTH : NOVEMBER TIME : 0530 IST STATION : RAIPUR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	956	981	942	16.1	24.0	9.4	11.9	023	0.8	2.1
1000	128	152	98							
950	546	581	514	21.0	25.8	15.2	12.3	052	4.2	5.0
925	785	809	771	20.1	27.2	11.0	10.2	051	3.4	4.6
900	1027	1045	1006	18.0	26.6	5.4	7.2	031	2.9	4.6
850	1514	1535	1492	15.3	25.0	4.8	3.9	014	2.6	4.8
800	2026	2049	2001	12.4	22.0	4.2	1.2	350	2.7	5.1
750	2566	2601	2539	10.1	20.0	1.0	-1.7	328	3.2	5.5
700	3135	3164	3108	7.8	17.6	-1.5	-4.3	307	3.7	6.0
650	3740	3783	3713	5.1	12.8	-4.9	-7.5	293	4.4	6.7
600	4391	4435	4363	1.8	11.8	-6.7	-11.0	285	5.7	8.0
550	5094	5145	5057	-2.0	7.8	-10.7	-14.6	282	7.4	9.7
500	5839	5907	5808	-6.7	2.6	-16.9	-18.6	278	9.5	11.7
450	6651	6734	6606	-11.8	-1.1	-22.3		276	12.0	14.2
400	7545	7655	7499	-17.7	-5.9	-30.5		273	15.1	17.1
350	8531	8641	8468	-24.2	-12.5	-34.7		269	18.7	20.8
300	9639	9798	9563	-31.7	-19.5	-40.3		264	22.4	24.6
250	10905	11090	10815	-40.8	-28.3	-49.5		258	25.5	27.9
200	12385	12594	12285	-52.0	-38.7	-61.1		252	26.9	29.2
175	13231	13502	13129	-58.5	-45.9	-68.5		252	25.8	28.1
150	14182	14482	14078	-65.2	-52.1	-76.3		254	23.2	25.1
125	15270	15626	15174	-71.2	-55.5	-83.9		259	18.2	20.5
100	16572	17057	16453	-75.6	-59.3	-86.7		266	9.9	13.8
80	17858	18421	17717	-74.2	-57.9	-83.7		280	3.2	9.8
70	18647	19255	18486	-70.5	-53.9	-86.1		319	1.7	8.2
60	19568	20213	19392	-65.8	-50.5	-80.1		350	0.9	7.7
50	20687	21542	20500	-60.6	-49.1	-71.3				
40	22091	22987	21889	-56.3	-43.9	-69.3				
30	23939	24893	23664	-52.3	-38.3	-65.9				
25	25110	26095	24860	-50.1	-36.1	-61.7				
20	26568	27561	26322	-47.7	-34.3	-60.7				
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
577	4710	5620	4190				102	16500	-77.0

NORMALS OF RADIOSONDE DATA

MONTH : DECEMBER TIME : 0530 IST STATION : RAIPUR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	959	983	943	12.7	20.8	7.0	8.8	012	1.2	1.8
1000	148	183	125							
950	559	603	450	18.0	23.2	12.6	8.6	054	3.5	4.4
925	804	835	780	17.1	23.2	10.0	6.4	045	2.5	3.8
900	1038	1069	1010	15.4	25.0	6.2	4.0	010	2.0	4.2
850	1521	1552	1494	13.4	24.4	6.2	0.6	329	2.4	4.8
800	2029	2058	2007	11.6	21.2	4.2	-3.4	309	3.5	5.6
750	2565	2594	2528	9.5	21.4	1.2	-6.0	301	4.7	6.5
700	3135	3165	3108	7.1	20.8	-2.5	-8.5	291	6.2	7.9
650	3735	3773	3698	4.2	16.4	-5.3	-11.7	286	7.7	9.3
600	4387	4423	4355	0.8	12.2	-8.9	-14.9	282	9.4	11.0
550	5086	5148	5034	-3.3	9.0	-11.9	-18.7	279	11.3	12.9
500	5828	5875	5773	-8.0	4.2	-16.5		277	13.7	15.2
450	6637	6702	6566	-13.2	-2.9	-23.5		274	16.7	18.3
400	7524	7598	7451	-19.2	-6.9	-31.7		271	19.8	21.6
350	8505	8592	8426	-25.9	-14.9	-36.9		269	23.3	25.0
300	9603	9715	9497	-33.6	-22.5	-45.7		266	26.9	28.9
250	10858	10999	10731	-42.6	-27.9	-54.5		261	31.1	33.8
200	12325	12505	12175	-53.3	-40.5	-66.9		256	31.6	34.3
175	13170	13338	13016	-59.0	-46.3	-71.7		254	30.3	32.6
150	14120	14373	13969	-64.4	-51.1	-75.7		255	28.8	30.7
125	15208	15563	15051	-70.0	-56.3	-79.5		257	25.4	26.9
100	16519	16934	16331	-74.3	-60.1	-82.9		263	16.8	19.3
80	17814	18283	17626	-73.9	-57.9	-84.7		268	10.8	14.8
70	18604	19150	18407	-71.5	-54.1	-83.5		273	6.8	12.1
60	19518	20054	19321	-67.6	-50.1	-83.3		283	6.8	10.8
50	20633	21209	20444	-62.5	-46.9	-78.1		282	3.4	9.5
40	22020	22510	21817	-57.7	-39.5	-70.7				
30	23855	24388	23610	-53.0	-32.1	-67.7				
25	25026	25530	24764	-50.8	-35.5	-65.1				
20	26459	27083	26192	-48.8	-33.5	-60.1				
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
592	4510	5000	3650				100	16570	-75.8

NORMALS OF RADIOSONDE DATA

MONTH : JANUARY TIME : 0530 IST STATION : RANCHI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	946	950	941	11.3	20.0	4.8	7.7	315	0.8	1.1
1000	153	177	138							
950	569	598	522							
925	801	826	789	12.5	24.8	7.2	6.4	312	2.9	4.6
900	1035	1056	1018	13.2	24.0	1.0	3.9	306	3.4	5.2
850	1515	1534	1496	11.5	23.0	1.2	0.5	295	5.8	7.1
800	2019	2042	1997	9.3	23.0	0.0	-2.4	294	7.9	9.1
750	2550	2573	2523	6.9	22.2	-2.7	-5.9	293	9.9	11.0
700	3116	3146	3091	4.2	18.8	-4.9	-8.9	290	11.7	12.8
650	3715	3752	3674	1.2	17.4	-7.1	-12.0	286	13.5	14.6
600	4356	4402	4323	-2.2	14.8	-10.9	-15.3	283	15.9	17.3
550	5049	5123	5010	-6.0	7.8	-14.9	-19.3	280	18.9	20.5
500	5782	5855	5741	-10.5	4.6	-18.5	-23.2	277	22.6	24.3
450	6586	6691	6538	-15.6	0.6	-25.3	-28.0	273	26.1	27.9
400	7465	7574	7404	-21.3	-7.5	-33.1		271	29.6	31.6
350	8437	8567	8364	-27.6	-14.3	-41.7		270	32.8	35.2
300	9532	9692	9445	-34.8	-23.1	-53.1		268	37.3	39.6
250	10783	10976	10679	-43.6	-32.5	-57.7		263	41.3	43.7
200	12250	12472	12120	-53.8	-40.7	-66.1				
175	13096	13355	12955	-59.2	-49.5	-70.7				
150	14047	14324	13907	-64.7	-54.1	-76.7				
125	15144	15469	14991	-70.1	-54.9	-85.1				
100	16460	16769	16306	-74.1	-62.3	-86.1				
80	17748	18064	17610	-74.3	-59.7	-86.5				
70	18529	18879	18385	-71.8	-54.5	-81.5				
60	19442	19777	19292	-67.8	-47.9	-79.5				
50	20543	20912	20353	-63.4	-47.9	-75.9				
40	21929	22339	21710	-58.9	-43.3	-69.9				
30	23755	24232	23551	-54.6	-38.9	-65.7				
25	24894	25383	24714	-53.2	-43.1	-64.5				
20	26373	26922	26168	-50.8	-40.1	-63.3				
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
635	3930	4820	3430				99	16570	-75.9

NORMALS OF RADIOSONDE DATA

MONTH : FEBRUARY TIME : 0530 IST STATION : RANCHI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	944	948	939	13.8	21.4	6.4	8.7	307	0.9	1.5
1000	134	162	105							
950	560	591	518							
925	789	803	769	14.9	23.8	8.4	7.3	300	2.2	4.1
900	1023	1051	985	15.4	27.4	4.8	4.2	299	3.6	5.7
850	1506	1532	1465	13.2	26.8	2.0	0.6	288	5.9	7.3
800	2013	2043	1968	10.2	21.6	0.2	-1.7	286	8.1	9.2
750	2542	2577	2499	7.0	17.8	-3.5	-4.4	285	10.4	11.4
700	3110	3147	3062	3.8	13.8	-6.9	-8.4	284	12.5	13.6
650	3707	3746	3662	0.5	11.8	-11.7	-12.4	284	14.5	15.5
600	4347	4390	4298	-2.8	9.8	-15.5	-15.5	282	16.9	18.1
550	5037	5093	4981	-6.6	6.8	-18.3	-19.2	280	19.9	21.3
500	5770	5821	5721	-11.0	0.8	-24.3	-23.5	278	23.3	24.9
450	6575	6635	6520	-15.9	-1.9	-29.1	-27.6	276	26.3	28.1
400	7451	7516	7398	-21.6	-6.7	-33.1		273	30.0	32.4
350	8426	8490	8362	-27.8	-14.9	-41.7		271	33.6	36.3
300	9517	9614	9452	-34.9	-25.1	-47.7		268	37.0	40.7
250	10770	10900	10697	-43.2	-31.5	-57.5		266	40.6	44.6
200	12239	12413	12147	-53.2	-40.9	-66.1		263	45.0	48.7
175	13086	13305	12960	-58.7	-47.1	-68.1				
150	14038	14281	13802	-64.2	-49.7	-74.1				
125	15133	15396	14899	-69.6	-54.1	-83.1				
100	16449	16615	16255	-74.1	-61.1	-84.1				
80	17747	17934	17478	-74.7	-62.7	-86.1				
70	18528	18774	18298	-72.7	-57.9	-83.5				
60	19440	19691	19218	-68.8	-53.5	-83.5				
50	20541	20843	20328	-63.9	-51.1	-79.3				
40	21921	22174	21744	-59.4	-46.5	-78.9				
30	23732	24008	23534	-55.3	-43.7	-72.9				
25	24892	25222	24632	-53.2	-38.3	-67.5				
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
645	3790	4230	3230				97	16700	-76.1

NORMALS OF RADIOSONDE DATA

MONTH : MARCH TIME : 0530 IST STATION : RANCHI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	942	947	935	18.2	27.2	10.0	10.1	304	1.1	1.7
1000	105	139	73							
950	537	578	495							
925	768	807	747	19.3	25.8	11.4	8.8	313	3.2	4.6
900	1008	1043	984	19.8	31.6	8.8	5.0	305	4.6	6.7
850	1498	1532	1474	17.4	29.0	7.8	1.6	294	6.9	8.5
800	2013	2045	1990	14.1	24.8	5.2	-1.0	288	9.0	10.4
750	2547	2583	2529	10.3	22.6	1.0	-3.4	285	11.1	12.4
700	3122	3151	3099	6.2	19.4	-1.3	-6.5	285	12.8	14.1
650	3720	3754	3699	2.2	13.8	-5.1	-9.8	286	14.4	15.8
600	4366	4400	4338	-1.6	8.6	-9.9	-14.0	285	15.9	17.2
550	5057	5091	5023	-5.6	6.2	-13.1	-18.0	284	17.5	19.0
500	5795	5835	5761	-10.2	2.8	-18.9	-22.0	283	19.5	21.1
450	6601	6638	6558	-15.3	-1.7	-23.9	-27.0	280	22.3	24.3
400	7481	7521	7426	-21.3	-7.1	-30.7	-32.0	278	24.4	26.7
350	8455	8494	8394	-27.9	-15.1	-37.1		277	27.5	30.1
300	9548	9609	9450	-35.3	-23.9	-46.5		274	31.7	34.9
250	10796	10873	10671	-43.8	-28.5	-57.5		270	34.6	37.9
200	12266	12368	12118	-52.9	-38.3	-69.3		269	37.7	41.0
175	13119	13250	12934	-57.9	-43.1	-72.1		269	35.8	38.1
150	14077	14225	13856	-63.5	-50.1	-78.1		271	32.0	34.5
125	15181	15350	14979	-68.8	-52.7	-81.5				
100	16498	16679	16345	-73.6	-59.1	-87.1				
80	17790	18001	17611	-74.3	-59.5	-85.7				
70	18575	18831	18398	-72.3	-55.5	-84.7				
60	19491	19729	19346	-68.2	-48.3	-81.5				
50	20602	20874	20425	-62.2	-41.1	-77.1				
40	21992	22262	21826	-57.3	-41.7	-70.3				
30	23816	24150	23458	-53.1	-36.9	-67.5				
25	24978	25390	24721	-51.4	-39.5	-62.7				
20	26415	26949	26116	-49.4	-37.5	-58.9				
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
621	4100	4450	3650				99	16750	-75.5

NORMALS OF RADIOSONDE DATA

MONTH : APRIL TIME : 0530 IST STATION : RANCHI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	939	942	934	22.8	32.8	14.4	12.7	275	1.0	1.7
1000	76	90	37							
950	517	532	486							
925	753	769	721	23.4	28.4	17.2	12.6	268	2.4	4.2
900	994	1010	960	24.4	37.6	9.4	8.1	285	3.7	6.2
850	1491	1505	1458	21.7	32.4	8.0	4.1	294	5.4	7.1
800	2013	2028	1982	18.0	27.2	6.6	1.2	293	6.9	8.3
750	2553	2577	2533	13.6	22.8	4.8	-1.4	288	8.8	10.1
700	3136	3153	3113	8.8	17.0	-0.3	-3.8	286	10.7	12.0
650	3737	3761	3703	3.8	13.4	-5.5	-6.7	287	12.4	13.5
600	4389	4407	4348	-0.7	8.6	-10.7	-10.8	288	13.3	14.6
550	5080	5107	5027	-4.8	4.0	-15.7	-16.0	289	13.6	15.0
500	5822	5848	5757	-9.2	-0.3	-21.7	-21.4	286	14.4	15.9
450	6628	6655	6547	-14.2	-4.9	-26.5	-25.9	282	16.4	18.3
400	7513	7558	7414	-20.2	-10.1	-31.9	-31.1	277	19.1	21.0
350	8489	8541	8370	-26.9	-17.1	-38.9	-36.5	271	22.0	24.3
300	9587	9662	9441	-34.2	-23.5	-45.3		268	26.3	28.9
250	10840	10942	10668	-42.8	-28.1	-56.7		265	29.5	32.4
200	12315	12446	12126	-52.4	-40.5	-64.1		264	30.9	33.9
175	13166	13313	12980	-57.5	-43.1	-67.9		263	28.8	31.7
150	14125	14312	13945	-62.9	-50.3	-75.7		265	26.0	28.8
125	15229	15449	15059	-68.6	-53.5	-82.7		268	19.6	21.9
100	16545	16797	16327	-73.4	-57.3	-85.3		269	14.2	17.5
80	17841	18098	17574	-74.0	-58.7	-86.1		283	5.2	11.8
70	18632	18924	18362	-71.4	-52.7	-83.9		294	1.8	9.2
60	19547	19881	19194	-67.0	-50.3	-80.1				
50	20656	21024	20250	-61.6	-45.3	-73.5				
40	22049	22446	21600	-56.3	-37.9	-68.0				
30	23889	24306	23237	-51.2	-33.3	-64.0				
25	25088	25573	24370	-48.7	-30.1	-60.1				
20	26532	26985	25801	-46.8	-34.7	-58.9				
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
606	4310	4780	3700				96	16830	-75.4

NORMALS OF RADIOSONDE DATA

MONTH : MAY TIME : 0530 IST STATION : RANCHI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	936	941	931	25.1	34.0	14.6	17.4	236	1.1	1.9
1000	44	79	15							
950	490	524	461							
925	719	751	701	25.6	32.0	19.8	17.1	247	2.4	3.9
900	970	1002	943	25.9	36.0	14.2	12.9	250	3.8	6.4
850	1471	1502	1444	23.7	31.8	11.6	8.2	283	4.6	7.0
800	1997	2025	1969	20.1	29.2	9.0	4.9	301	6.0	7.7
750	2542	2569	2521	15.8	25.6	5.0	2.0	305	7.7	9.2
700	3130	3160	3102	11.1	20.0	-0.7	-1.2	303	9.3	10.8
650	3735	3767	3716	6.1	15.6	-5.3	-4.5	302	10.1	11.7
600	4392	4430	4363	1.5	11.6	-9.9	-8.8	301	10.4	12.1
550	5090	5127	5059	-2.5	7.4	-13.1	-13.4	300	9.9	11.6
500	5839	5886	5794	-6.4	3.2	-15.1	-18.4	296	9.2	11.4
450	6655	6696	6608	-10.9	0.6	-20.5	-22.6	288	9.6	12.2
400	7552	7615	7485	-16.2	-4.9	-29.9	-26.8	281	10.8	13.8
350	8543	8608	8474	-22.4	-10.9	-33.7	-32.8	274	13.0	15.9
300	9663	9755	9578	-29.8	-18.5	-41.1		267	14.9	17.7
250	10939	11062	10840	-38.9	-27.3	-53.9		261	15.7	18.8
200	12436	12580	12319	-49.9	-38.5	-60.3		253	16.0	19.0
175	13297	13456	13158	-56.3	-43.3	-68.9		251	14.2	17.5
150	14261	14451	14111	-62.9	-50.3	-77.7		250	11.8	15.4
125	15369	15563	15231	-69.8	-57.1	-80.5		250	8.1	12.7
100	16679	16861	16518	-75.4	-61.7	-85.9		227	2.8	10.6
80	17964	18159	17723	-75.4	-57.7	-85.5		104	3.2	9.2
70	18745	18942	18491	-72.3	-49.3	-84.1		089	5.3	8.9
60	19667	19858	19514	-66.8	-44.5	-76.3		082	7.0	9.7
50	20780	21001	20682	-60.9	-40.1	-75.9		093	7.2	9.4
40	22185	22466	22006	-55.1	-33.5	-75.1		085	7.5	9.2
30	24033	24273	23842	-50.1	-33.9	-71.3		085	8.2	10.2
25	25221	25479	25032	-47.7	-32.9	-67.5				
20	26693	27018	26497	-45.5	-33.7	-62.9				
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
579	4670	5310	4210				96	16950	-77.2

NORMALS OF RADIOSONDE DATA

MONTH : JUNE TIME : 0530 IST STATION : RANCHI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	933	936	927	25.2	38.4	17.0	21.3	245	1.1	2.4
1000	12	37	0							
950	456	475	426							
925	690	712	659	25.3	31.2	19.8	21.1	234	2.2	3.9
900	936	959	910	24.7	35.8	18.6	18.5	258	4.1	7.5
850	1437	1456	1408	22.5	33.4	14.8	14.9	283	4.1	7.9
800	1962	1982	1934	19.5	30.4	10.0	11.8	304	4.1	7.8
750	2511	2536	2482	15.9	26.0	6.8	8.5	316	4.5	8.1
700	3096	3123	3065	12.0	20.8	4.2	4.9	320	4.8	8.4
650	3711	3746	3682	8.0	18.8	1.0	1.1	319	4.5	8.6
600	4369	4409	4342	4.2	14.4	-3.1	-3.0	316	3.7	8.2
550	5078	5140	5039	0.5	9.0	-8.0	-6.5	310	2.6	7.6
500	5833	5884	5799	-3.3	4.8	-12.0	-11.1	297	1.7	7.6
450	6663	6743	6615	-7.6	0.6	-18.9	-15.9	274	0.9	7.3
400	7568	7630	7529	-12.5	-4.1	-21.1	-21.2	244	0.8	7.6
350	8576	8644	8532	-18.6	-8.1	-28.3	-27.7	209	0.9	7.9
300	9710	9792	9653	-26.2	-17.1	-35.3	-34.8	179	1.2	7.7
250	11005	11108	10934	-35.8	-25.0	-44.9	-43.8	133	1.7	8.7
200	12517	12644	12433	-48.1	-37.5	-58.7		120	3.1	9.9
175	13384	13509	13282	-55.3	-42.1	-67.0		110	4.0	10.7
150	14352	14491	14231	-63.1	-48.1	-73.7		100	5.4	11.6
125	15445	15654	15332	-71.3	-56.3	-82.5		093	8.5	13.2
100	16744	16991	16588	-77.5	-58.3	-88.5		088	11.5	14.0
80	18016	18276	17806	-76.7	-64.1	-90.3		083	14.1	15.4
70	18793	19079	18568	-73.0	-59.7	-82.9		084	14.9	15.8
60	19702	19992	19459	-68.1	-53.7	-82.9		087	14.6	15.4
50	20815	21127	20549	-62.0	-50.1	-79.1		088	14.7	15.6
40	22194	22508	21934	-56.8	-46.9	-71.9		090	16.2	17.0
30	24039	24317	23704	-51.8	-38.3	-62.9		090	18.5	19.6
25	25206	25498	24880	-49.4	-33.9	-61.3		094	18.3	19.1
20	26669	26962	26426	-47.0	-35.5	-59.5				
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
543	5190	5930	4680				97	16940	-79.1

NORMALS OF RADIOSONDE DATA

MONTH : JULY TIME : 0530 IST STATION : RANCHI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	933	936	926	24.2	30.0	17.2	22.6	239	0.8	2.1
1000	13	27	0							
950	453	478	412							
925	678	704	661	24.0	26.6	21.6	22.4	246	1.9	3.2
900	933	958	909	22.9	31.0	15.2	20.6	260	3.5	6.7
850	1430	1456	1405	20.6	28.4	11.6	17.6	280	3.0	7.1
800	1952	1977	1928	17.9	24.8	8.6	14.9	291	2.3	6.8
750	2502	2520	2485	15.1	23.8	6.0	11.7	294	1.6	6.2
700	3084	3102	3058	12.0	21.6	3.8	8.4	283	0.9	5.8
650	3702	3722	3684	8.9	19.0	1.0	4.7	246	0.4	5.9
600	4362	4400	4333	5.5	15.8	-2.1	0.7	178	0.6	5.8
550	5078	5113	5056	1.9	11.4	-7.5	-3.4	131	1.1	6.0
500	5833	5855	5806	-2.1	7.8	-12.1	-8.0	113	2.0	6.4
450	6667	6698	6637	-6.5	2.0	-15.9	-13.0	104	3.0	6.6
400	7574	7619	7541	-11.8	-3.7	-19.1	-19.1	103	4.3	7.2
350	8585	8628	8540	-18.0	-8.9	-27.3	-25.8	100	5.9	7.9
300	9723	9793	9665	-25.7	-16.9	-35.3	-33.5	096	8.1	9.5
250	11021	11109	10943	-35.6	-25.7	-45.9	-43.3	089	10.3	11.6
200	12535	12647	12431	-48.0	-34.1	-60.5		081	13.9	15.2
175	13401	13521	13258	-55.5	-39.1	-72.1		078	15.6	17.0
150	14365	14502	14198	-63.6	-45.5	-78.5		077	17.4	18.9
125	15458	15643	15274	-71.9	-50.9	-84.1		080	20.8	22.3
100	16750	16977	16511	-77.1	-59.7	-89.1		082	22.5	24.9
80	18037	18356	17837	-74.5	-62.1	-85.1		084	24.1	25.4
70	18830	19188	18608	-70.5	-56.1	-81.1		084	23.2	24.3
60	19756	20126	19613	-65.9	-51.7	-80.3		086	22.9	23.3
50	20870	21308	20711	-61.1	-44.5	-71.5				
40	22271	22711	22057	-57.1	-44.3	-72.1				
30	24100	24628	23883	-52.9	-40.3	-70.9				
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
526	5430	6010	4880				102	16650	-78.5

NORMALS OF RADIOSONDE DATA

MONTH : AUGUST TIME : 0530 IST STATION : RANCHI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	934	937	929	23.9	33.8	20.0	22.5	207	0.2	2.1
1000	19	40	8							
950	466	501	423							
925	697	712	683	23.5	26.4	19.8	22.1	248	1.2	3.2
900	944	964	929	22.3	28.8	17.0	20.4	272	1.7	6.5
850	1440	1461	1425	19.9	27.4	13.2	17.4	299	1.4	7.0
800	1962	1984	1945	17.3	26.6	10.4	14.4	321	0.8	6.6
750	2509	2531	2481	14.6	23.6	6.6	11.3	025	0.2	6.1
700	3092	3116	3073	11.7	20.2	3.0	7.7	112	0.5	5.9
650	3708	3732	3687	8.6	16.6	-1.1	3.8	124	0.8	5.9
600	4367	4396	4346	5.2	12.0	-3.3	-0.3	118	1.4	6.1
550	5080	5120	5047	1.6	10.0	-7.1	-4.5	117	2.2	6.4
500	5837	5873	5803	-2.6	4.8	-9.9	-9.0	112	3.0	6.6
450	6667	6711	6623	-7.2	1.4	-14.7	-14.2	106	3.8	7.0
400	7575	7617	7522	-12.6	-4.3	-24.1	-20.6	103	4.9	7.4
350	8584	8621	8515	-18.8	-10.9	-27.5	-27.5	100	6.2	8.1
300	9719	9780	9632	-26.6	-16.9	-36.5	-35.4	097	7.7	9.2
250	11007	11084	10898	-36.5	-26.5	-49.1	-44.4	089	10.0	11.2
200	12514	12621	12369	-49.0	-37.5	-62.5		082	13.4	14.6
175	13376	13496	13220	-56.6	-44.3	-69.9		078	15.0	16.5
150	14334	14486	14154	-64.8	-51.5	-80.9		075	16.7	18.1
125	15424	15609	15217	-72.8	-60.7	-85.5		077	19.1	20.2
100	16711	16930	16482	-77.2	-61.7	-87.1		082	20.7	21.6
80	17996	18280	17759	-73.3	-59.5	-86.1		081	20.8	21.3
70	18789	19132	18530	-69.1	-53.1	-81.3		083	20.1	20.6
60	19710	20067	19446	-65.1	-47.5	-76.3		083	19.7	20.6
50	20836	21229	20543	-61.4	-44.7	-76.9		085	19.8	20.6
40	22222	22669	21875	-57.3	-43.1	-69.9		086	22.6	23.6
30	24058	24577	23708	-53.4	-39.3	-64.7		087	24.6	25.4
25	25216	25811	24869	-51.6	-34.7	-62.1				
20	26665	27331	26292	-50.0	-32.1	-61.5				
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
531	5360	5800	4900				104	16520	-78.7

NORMALS OF RADIOSONDE DATA

MONTH : SEPTEMBER TIME : 0530 IST STATION : RANCHI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	937	940	933	23.4	29.4	19.0	21.0	237	0.3	1.8
1000	56	71	22							
950	499	519	460							
925	727	745	692	22.7	25.0	16.8	20.6	273	1.0	3.3
900	977	995	944	22.1	29.2	13.8	19.1	281	1.7	5.6
850	1472	1492	1440	19.6	26.2	12.2	15.6	307	1.4	6.0
800	1992	2012	1960	16.7	22.8	8.6	11.9	310	1.2	5.9
750	2536	2556	2507	13.7	21.0	6.0	8.4	299	0.8	5.4
700	3119	3132	3087	10.5	18.0	-1.7	4.7	254	0.7	5.3
650	3731	3746	3702	7.3	14.8	-1.5	0.6	220	1.0	5.4
600	4387	4407	4358	3.9	11.0	-4.3	-2.7	206	1.5	5.6
550	5098	5150	5059	0.3	8.2	-9.1	-6.7	198	1.7	5.7
500	5850	5870	5814	-3.8	3.8	-14.3	-11.5	177	1.8	5.8
450	6677	6729	6637	-8.5	-0.5	-17.3	-16.5	164	1.7	5.8
400	7581	7617	7535	-13.7	-5.7	-24.5	-22.5	152	1.8	5.7
350	8584	8631	8529	-20.1	-11.3	-28.1	-29.0	134	1.8	5.9
300	9713	9774	9643	-27.9	-18.9	-36.5	-36.4	119	2.3	6.5
250	10996	11079	10904	-38.0	-28.5	-48.1	-45.2	115	3.0	7.6
200	12490	12618	12375	-50.5	-41.1	-61.0		094	4.4	9.2
175	13345	13480	13217	-57.9	-48.9	-69.5		086	5.6	10.0
150	14301	14499	14153	-65.6	-55.7	-79.9		084	6.9	10.7
125	15385	15658	15220	-73.2	-61.9	-89.3		091	8.1	11.3
100	16674	17068	16475	-77.6	-66.9	-89.3		092	9.5	11.2
80	17962	18381	17731	-73.4	-62.1	-89.9		084	10.7	11.8
70	18757	19146	18486	-68.9	-56.5	-83.3		082	11.3	12.1
60	19686	20052	19370	-64.5	-50.5	-74.5		086	11.5	12.3
50	20814	21138	20467	-60.1	-47.1	-72.0		086	12.8	13.4
40	22215	22558	21832	-56.2	-42.9	-69.5		086	13.8	14.6
30	24064	24444	23634	-52.0	-36.9	-63.5		088	16.8	17.7
25	25235	25637	24754	-50.1	-37.5	-60.3				
20	26700	27142	26210	-47.8	-39.1	-57.5				
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
547	5140	5590	4520				104	16460	-78.9

NORMALS OF RADIOSONDE DATA

MONTH : OCTOBER TIME : 0530 IST STATION : RANCHI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	942	946	937	20.4	29.6	13.6	17.4	328	0.4	1.0
1000	107	140	79							
950	541	572	506							
925	774	796	759	20.6	27.8	15.8	16.7	327	1.0	3.1
900	1017	1042	996	20.2	29.6	12.6	13.0	335	1.7	4.4
850	1509	1529	1488	17.5	29.4	8.0	8.7	333	2.3	4.8
800	2024	2044	2003	14.3	26.8	5.2	5.1	326	2.5	5.2
750	2563	2586	2543	11.2	23.8	2.8	1.5	310	2.2	5.4
700	3139	3163	3115	8.3	20.6	0.0	-1.8	285	2.3	5.4
650	3748	3775	3724	5.4	16.2	-4.9	-5.0	269	3.0	5.7
600	4397	4433	4373	2.3	12.2	-8.1	-8.3	262	4.0	6.4
550	5106	5164	5070	-1.4	8.0	-9.7	-11.4	262	5.1	7.3
500	5849	5890	5822	-5.7	3.6	-12.5	-15.6	262	6.4	8.4
450	6672	6727	6631	-10.6	-0.7	-18.9	-20.9	262	7.6	9.7
400	7566	7626	7514	-16.1	-6.1	-23.7	-25.8	261	9.6	11.4
350	8558	8625	8491	-22.7	-11.1	-32.1	-31.4	257	11.1	12.9
300	9675	9775	9586	-30.5	-17.5	-43.9		255	12.7	14.6
250	10944	11070	10836	-40.3	-23.7	-53.5		253	14.0	16.0
200	12427	12594	12307	-52.2	-36.5	-64.5		249	14.1	17.0
175	13277	13455	13143	-59.0	-42.5	-69.0		248	13.5	16.5
150	14227	14422	14077	-66.2	-51.5	-78.0		249	11.7	14.9
125	15306	15551	15143	-73.2	-60.9	-86.1		249	8.9	12.0
100	16597	16920	16399	-77.3	-64.7	-96.5		242	5.4	9.9
80	17877	18242	17647	-74.2	-60.1	-89.7		055	0.7	6.6
70	18665	19067	18427	-69.9	-55.5	-83.3		063	2.3	5.8
60	19592	20036	19340	-65.0	-50.5	-76.9		078	4.0	6.7
50	20719	21199	20433	-60.5	-44.3	-81.3		087	5.9	7.8
40	22117	22613	21804	-56.4	-41.1	-68.7				
30	23954	24528	23613	-52.4	-31.3	-65.5				
25	25109	25751	24771	-50.9	-33.7	-63.1				
20	26561	27285	26205	-49.2	-34.9	-61.5				
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
570	4820	5420	4100				104	16400	-78.4

NORMALS OF RADIOSONDE DATA

MONTH : NOVEMBER TIME : 0530 IST STATION : RANCHI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	945	949	940	15.9	25.4	8.0	11.7	338	0.6	0.9
1000	139	166	116							
950	568	590	536							
925	798	823	783	16.8	24.2	10.6	10.9	354	1.3	3.1
900	1036	1054	1016	16.8	25.0	9.0	7.0	343	2.4	4.2
850	1522	1541	1498	14.1	22.2	6.8	2.9	323	2.8	4.7
800	2030	2052	2005	11.3	21.0	3.0	-0.3	312	3.6	5.6
750	2565	2588	2540	8.9	18.4	-1.3	-4.1	302	4.4	6.4
700	3135	3160	3107	6.6	16.2	-4.5	-7.2	290	5.5	7.3
650	3740	3771	3709	3.8	13.0	-11.1	-10.2	285	6.8	8.5
600	4386	4416	4353	0.6	9.0	-12.1	-12.3	281	8.4	10.0
550	5088	5148	5040	-3.2	6.0	-13.7	-15.4	280	10.2	11.8
500	5827	5872	5779	-7.8	2.8	-17.7	-18.9	276	12.2	13.9
450	6643	6736	6582	-12.9	-2.5	-22.3		275	14.5	16.4
400	7529	7614	7460	-18.7	-7.7	-29.3		273	17.5	19.2
350	8510	8626	8430	-25.4	-13.7	-34.9		271	20.7	22.5
300	9614	9760	9518	-32.9	-20.5	-42.9		266	24.5	26.5
250	10874	11065	10761	-42.0	-28.5	-52.9		263	27.0	29.2
200	12350	12580	12213	-53.2	-38.5	-66.1		260	29.6	31.9
175	13201	13493	13045	-59.5	-43.5	-70.3		260	27.3	29.4
150	14147	14473	13979	-66.2	-50.5	-78.5		260	24.9	27.0
125	15230	15597	15040	-71.9	-59.1	-83.9		264	21.8	23.7
100	16530	16876	16311	-75.8	-64.3	-86.0		267	15.0	17.0
80	17813	18187	17577	-74.9	-56.9	-86.1		275	9.6	12.3
70	18599	18990	18343	-71.8	-50.7	-80.5				
60	19514	19947	19244	-67.1	-51.5	-77.1				
50	20629	21112	20333	-61.7	-45.1	-72.3				
40	22027	22566	21624	-57.0	-44.3	-70.3				
30	23864	24388	23531	-53.3	-41.3	-68.9				
25	25033	25585	24698	-51.4	-39.5	-68.5				
20	26493	27077	26115	-49.8	-37.1	-68.1				
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
594	4500	5220	3970				101	16550	-77.1

NORMALS OF RADIOSONDE DATA

MONTH : DECEMBER TIME : 0530 IST STATION : RANCHI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	947	950	942	11.7	19.2	6.0	8.0	320	0.8	1.0
1000	159	174	141							
950	581	603	545							
925	809	827	795	12.8	21.2	8.6	6.0	329	2.7	3.9
900	1041	1059	1023	13.2	21.0	6.6	2.9	319	3.2	4.9
850	1521	1539	1502	11.6	19.0	3.0	-1.5	306	4.6	5.9
800	2026	2044	2007	10.0	18.2	1.0	-4.9	301	5.7	6.9
750	2560	2585	2542	8.2	17.6	-0.9	-8.1	295	7.2	8.4
700	3127	3156	3111	5.9	15.0	-3.7	-10.0	289	8.7	10.0
650	3730	3758	3705	2.9	12.0	-6.3	-13.5	287	10.4	11.8
600	4373	4410	4343	-0.6	7.4	-11.1	-16.5	284	12.5	13.8
550	5068	5114	5032	-4.7	5.2	-15.9		282	14.8	16.2
500	5806	5855	5764	-9.5	0.0	-20.5		278	17.2	18.9
450	6614	6668	6556	-14.8	-5.9	-26.3		276	20.7	22.4
400	7494	7559	7419	-20.9	-10.1	-36.5		273	24.3	26.1
350	8468	8551	8368	-27.7	-15.7	-40.3		271	28.1	30.1
300	9561	9656	9431	-35.4	-21.7	-48.9		270	31.6	33.7
250	10807	10922	10642	-44.3	-31.5	-57.7		266	35.0	37.4
200	12268	12475	12066	-54.8	-41.5	-68.3		263	37.3	39.6
175	13112	13330	12887	-60.3	-46.1	-74.3		261	36.1	38.4
150	14064	14282	13820	-65.7	-52.1	-90.5		261	34.1	35.6
125	15152	15392	14898	-70.4	-57.1	-80.5				
100	16463	16738	16192	-74.3	-63.1	-83.3				
80	17762	17915	17485	-74.9	-61.7	-86.1				
70	18541	18704	18262	-72.8	-59.5	-82.3				
60	19456	19594	19184	-68.9	-55.1	-81.3				
50	20559	20739	20268	-64.0	-49.9	-77.9				
40	21939	22179	21641	-59.1	-45.5	-73.1				
30	23767	24068	23444	-55.0	-42.5	-70.7				
25	24929	25238	24597	-52.9	-38.7	-69.9				
20	26361	26698	26030	-51.1	-28.1	-63.7				
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
611	4240	4720	3590				102	16430	-76

NORMALS OF RADIOSONDE DATA

MONTH : JANUARY TIME : 0530 IST STATION : SILIGURI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1001	1004	999	13.3	19.6	8.0	10.1	047	0.7	0.9
1000	125	143	108	13.3	20.4	8.8	9.8	050	1.0	1.3
950	535	565	501	14.1	21.4	4.2	7.8	059	1.8	2.6
925	769	794	733	13.2	20.2	7.4	6.5	069	1.3	2.1
900	1012	1032	999	11.9	21.8	2.0	4.8	081	1.4	2.5
850	1488	1510	1476	8.8	18.8	0.0	1.6	091	1.4	2.8
800	1986	2011	1969	5.5	17.4	-2.9	-2.1	098	0.8	3.4
750	2515	2544	2489	2.4	12.4	-5.5	-5.9	282	1.1	4.9
700	3066	3107	3042	-0.1	9.0	-8.7	-10.1	285	5.7	7.7
650	3660	3720	3621	-2.3	16.6	-11.7	-14.9	286	10.6	11.9
600	4290	4352	4251	-5.0	12.4	-15.1	-18.4	287	14.5	15.4
550	4980	5057	4930	-8.7	7.8	-19.3	-21.7	285	17.6	18.6
500	5702	5785	5635	-13.1	2.8	-23.9		284	20.8	22.1
450	6504	6622	6433	-18.1	-3.7	-28.7		282	23.5	25.1
400	7372	7485	7281	-23.7	-8.1	-35.7		281	28.1	30.1
350	8339	8483	8233	-29.9	-13.3	-41.5		278	31.7	34.2
300	9422	9599	9288	-36.4	-18.7	-52.5		276	34.2	37.1
250	10671	10884	10521	-43.7	-27.9	-62.9		276	39.4	42.9
200	12148	12392	11981	-52.3	-40.1	-69.3		276	39.3	42.2
175	13002	13258	12707	-56.9	-45.5	-73.1				
150	13967	14224	13675	-61.5	-49.1	-77.9				
125	15084	15453	14874	-66.8	-53.1	-82.7				
100	16430	16779	16273	-70.9	-58.1	-83.9				
80	17743	18080	17508	-71.9	-55.9	-83.3				
70	18533	18870	18300	-70.0	-57.1	-85.9				
60	19448	19771	19180	-66.4	-53.1	-76.9				
50	20554	20851	20336	-62.2	-46.5	-75.7				
40										
30										
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
695	3160	4170	2500				97	16710	-73.6

NORMALS OF RADIOSONDE DATA

MONTH : FEBRUARY TIME : 0530 IST STATION : SILIGURI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	999	1002	995	15.8	24.6	10.2	11.4	061	0.8	1.1
1000	106	131	72	15.8	20.8	10.0	11.9	050	1.0	1.4
950	522	553	477	16.0	27.6	8.0	9.3	072	2.5	3.2
925	754	780	725	14.8	22.4	6.4	7.8	079	1.8	2.6
900	1000	1027	963	13.7	27.4	4.8	6.6	082	1.8	2.9
850	1479	1508	1444	10.5	23.8	1.6	3.5	078	0.6	2.8
800	1981	2013	1948	7.2	20.2	-3.3	-0.2	288	1.1	3.7
750	2509	2540	2476	4.0	21.0	-3.5	-4.3	282	4.3	6.0
700	3066	3104	3030	0.8	15.8	-8.3	-8.7	281	7.9	9.3
650	3652	3696	3608	-2.2	11.6	-13.3	-12.8	282	11.4	12.6
600	4291	4337	4235	-5.3	8.4	-16.1	-16.8	283	14.4	15.5
550	4974	5035	4908	-9.2	6.4	-19.9	-21.9	282	17.4	18.3
500	5702	5757	5628	-13.9	0.4	-26.3		283	20.4	21.4
450	6494	6567	6411	-19.1	-6.9	-35.1		281	23.0	24.3
400	7360	7425	7271	-24.8	-12.5	-37.9		279	27.1	29.1
350	8322	8396	8231	-30.9	-16.7	-42.1		277	31.3	33.4
300	9401	9467	9312	-37.5	-23.9	-50.1		276	33.9	36.8
250	10645	10747	10553	-44.4	-33.1	-60.1		272	37.2	41.3
200	12119	12236	12015	-51.9	-42.5	-66.3		272	40.2	44.4
175	12981	13400	12872	-56.1	-42.5	-66.1				
150	13955	14380	13836	-60.7	-44.1	-71.5				
125	15074	15214	14932	-65.9	-49.9	-78.1				
100	16413	16581	16183	-70.8	-57.9	-84.9				
80	17741	17909	17471	-71.8	-57.7	-85.5				
70	18538	18760	18247	-70.4	-56.1	-82.7				
60	19455	19668	19182	-67.2	-53.3	-79.9				
50	20561	20788	20318	-62.6	-50.1	-73.5				
40										
30										
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
683	3300	3910	2690				96	16770	-72.4

NORMALS OF RADIOSONDE DATA

MONTH : MARCH TIME : 0530 IST STATION : SILIGURI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	996	999	992	20.0	26.6	13.0	14.5	068	1.3	1.6
1000	77	99	43							
950	498	532	452	19.4	29.2	8.4	12.0	077	3.4	4.2
925	730	760	702	18.3	28.0	12.2	10.3	078	2.9	3.6
900	982	1002	951	17.2	30.0	7.0	9.9	083	2.6	3.7
850	1466	1484	1438	14.1	29.2	3.6	7.2	069	0.5	3.3
800	1975	1998	1948	10.7	26.2	-1.5	3.9	278	2.2	4.0
750	2508	2528	2484	7.3	23.0	-5.1	-0.4	280	5.6	6.7
700	3074	3098	3049	4.0	17.2	-8.1	-5.6	282	9.2	10.3
650	3667	3694	3642	0.5	12.4	-11.1	-9.8	281	12.2	13.3
600	4310	4332	4271	-3.2	9.6	-14.1	-13.6	283	14.6	15.6
550	4996	5036	4944	-7.2	5.0	-16.5	-18.0	284	16.5	17.6
500	5729	5767	5672	-11.9	0.2	-22.1	-22.4	283	18.7	19.7
450	6528	6573	6465	-17.3	-5.5	-28.1	-28.4	282	20.9	22.2
400	7398	7449	7335	-23.5	-11.1	-35.5		283	24.7	26.2
350	8365	8455	8304	-30.1	-13.9	-41.7		280	27.2	29.3
300	9446	9512	9386	-37.1	-23.1	-50.3		276	31.2	33.5
250	10687	10817	10596	-44.7	-28.9	-57.9		274	32.9	35.3
200	12160	12433	12035	-52.5	-37.9	-69.1		272	32.9	34.8
175	13006	13282	12890	-56.4	-41.7	-73.9		273	33.2	35.2
150	13974	14243	13864	-60.7	-43.7	-75.1		272	31.4	33.1
125	15099	15364	14910	-65.6	-53.9	-79.1				
100	16446	16734	16306	-70.6	-57.9	-82.5				
80	17758	18096	17641	-72.0	-54.9	-87.1				
70	18557	18796	18424	-70.8	-55.3	-87.1				
60	19437	19614	19297	-67.8	-53.9	-83.3				
50	20565	20721	20422	-62.8	-47.5	-78.7				
40	21950	22169	21807	-58.7	-48.1	-80.5				
30	23767	24020	23589	-54.7	-41.3	-77.9				
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
642	3780	4380	3230				95	16830	-73.1

NORMALS OF RADIOSONDE DATA

MONTH : APRIL TIME : 0530 IST STATION : SILIGURI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	993	996	987	23.4	30.0	15.4	17.8	068	1.7	2.0
1000	56	82	33							
950	484	522	458	22.1	29.2	13.8	15.2	077	4.5	4.9
925	725	750	696	20.9	27.2	13.6	14.0	078	3.8	4.4
900	970	989	951	19.7	29.0	11.0	12.9	084	3.7	4.6
850	1460	1477	1441	17.0	27.2	8.0	10.0	089	0.7	3.5
800	1974	1990	1947	13.8	25.0	4.0	6.4	275	2.5	4.7
750	2512	2532	2478	10.3	21.6	0.0	2.6	278	6.4	7.5
700	3084	3103	3053	6.6	18.4	-4.5	-1.2	281	9.3	10.1
650	3680	3709	3638	2.7	15.4	-7.1	-6.0	282	11.2	12.0
600	4332	4353	4304	-1.3	12.0	-11.1	-10.5	282	12.7	13.5
550	5022	5043	4990	-5.3	6.2	-15.5	-15.6	283	12.9	14.1
500	5761	5785	5729	-9.9	2.6	-21.1	-21.3	284	13.3	14.7
450	6564	6599	6522	-15.3	-2.7	-27.1	-26.5	282	13.4	15.2
400	7446	7489	7396	-21.6	-8.9	-33.3	-32.2	279	15.5	17.2
350	8418	8472	8342	-28.5	-15.1	-40.3		274	17.4	19.3
300	9505	9570	9428	-35.9	-19.9	-48.9		270	20.5	22.6
250	10750	10836	10647	-44.0	-29.7	-60.1		266	24.1	26.7
200	12221	12422	12097	-52.2	-38.5	-66.7		266	27.0	29.1
175	13078	13301	12957	-56.2	-39.9	-68.9		267	26.5	29.0
150	14040	14197	13927	-60.7	-42.5	-75.7		267	25.4	26.7
125	15162	15400	15064	-65.9	-46.9	-82.1		269	21.0	22.4
100	16502	16771	16398	-70.7	-51.3	-85.7				
80	17810	18107	17685	-72.5	-55.9	-87.1				
70	18594	18882	18461	-70.9	-54.5	-85.1				
60	19516	19759	19378	-67.3	-55.3	-84.3				
50	20621	20858	20432	-62.3	-48.1	-81.9				
40	22024	22335	21825	-57.6	-47.3	-77.9				
30	23854	24298	23563	-53.1	-42.5	-68.3				
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
615	4130	4540	3630				95	16870	-72.7

NORMALS OF RADIOSONDE DATA

MONTH : MAY TIME : 0530 IST STATION : SILIGURI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	991	994	989	25.1	29.6	20.0	21.6	071	1.3	1.6
1000	36	60	23							
950	468	500	442	23.5	35.2	15.2	19.4	080	3.7	4.2
925	706	721	687	22.2	29.2	14.8	18.5	085	3.1	3.8
900	956	975	942	21.3	34.2	12.6	17.5	090	3.3	4.3
850	1449	1471	1433	18.8	31.0	9.6	14.9	098	1.8	3.8
800	1968	1992	1948	15.9	27.2	5.8	11.9	236	0.6	4.4
750	2512	2540	2491	12.7	26.4	3.4	7.7	271	2.7	5.6
700	3088	3135	3063	9.2	24.8	1.0	3.5	281	5.3	7.6
650	3696	3734	3670	5.5	23.8	-4.3	-0.9	285	6.1	8.2
600	4347	4412	4317	1.7	17.6	-5.9	-5.6	284	6.9	8.8
550	5051	5105	5010	-2.1	10.2	-17.1	-10.3	285	7.1	8.9
500	5795	5870	5758	-6.3	3.0	-14.7	-15.4	284	7.2	9.2
450	6615	6679	6570	-11.4	-3.1	-21.3	-20.6	280	7.6	9.8
400	7504	7568	7463	-17.2	-8.5	-26.9	-26.6	274	9.4	12.0
350	8495	8562	8443	-23.7	-13.3	-33.7	-34.0	270	11.7	14.5
300	9606	9682	9560	-31.0	-19.1	-41.3		266	14.8	17.2
250	10876	10971	10816	-39.4	-29.9	-49.1		264	18.3	20.6
200	12369	12474	12289	-49.6	-37.3	-63.7		262	19.7	22.2
175	13232	13375	13141	-55.5	-44.1	-73.1		261	18.8	21.0
150	14201	14362	14070	-61.4	-47.1	-75.5		264	18.0	19.9
125	15306	15507	15139	-67.9	-55.1	-88.9		268	14.9	17.5
100	16629	16876	16418	-73.2	-52.3	-89.1		271	10.5	13.5
80	17925	18283	17627	-74.8	-61.1	-87.1				
70	18707	19106	18371	-72.8	-55.3	-88.3				
60	19609	20058	19247	-68.3	-47.9	-85.3				
50	20709	21200	20318	-62.8	-40.5	-80.5				
40	22103	22710	21603	-57.7	-29.9	-73.5				
30	23949	24611	23386	-52.4	-24.9	-66.9				
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
578	4680	5210	4210				92	17110	-75.6

NORMALS OF RADIOSONDE DATA

MONTH : JUNE TIME : 0530 IST STATION : SILIGURI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	987	989	985	26.4	31.0	23.0	24.1	071	1.1	1.4
1000	6	15	0							
950	438	463	401	25.3	34.2	18.8	22.7	082	3.4	4.0
925	682	695	646	23.7	31.4	17.4	21.0	085	3.2	4.0
900	927	941	908	23.1	33.4	16.6	20.7	089	3.5	4.5
850	1424	1442	1402	20.7	30.2	13.8	18.1	097	2.8	4.6
800	1947	1970	1926	18.1	28.8	11.6	15.5	101	2.0	5.2
750	2499	2522	2480	15.0	26.0	6.2	12.0	101	1.3	5.9
700	3077	3113	3054	11.9	21.4	5.0	8.2	086	0.7	6.6
650	3694	3735	3655	8.5	17.4	1.2	4.2	341	0.1	6.8
600	4352	4406	4327	5.0	13.4	-3.9	0.1	230	0.7	6.6
550	5067	5131	5026	1.5	11.4	-7.1	-3.9	241	1.7	6.9
500	5819	5886	5785	-2.4	6.4	-12.1	-8.4	247	2.7	6.9
450	6654	6749	6601	-6.9	1.6	-15.5	-13.3	248	2.9	7.2
400	7560	7645	7497	-12.0	-3.7	-21.1	-19.1	248	3.2	7.7
350	8570	8663	8501	-18.1	-10.5	-29.5	-26.0	246	4.1	8.4
300	9707	9811	9647	-25.6	-16.5	-34.9	-32.6	247	4.7	9.1
250	11007	11122	10923	-35.3	-23.5	-45.9	-42.3	245	5.2	9.3
200	12521	12666	12410	-47.5	-37.7	-59.1		248	5.7	10.1
175	13387	13520	13282	-54.7	-44.5	-66.3		258	6.3	10.2
150	14354	14495	14187	-62.4	-51.5	-72.1		254	5.1	10.3
125	15456	15653	15290	-69.7	-59.1	-78.9				
100	16757	16982	16580	-75.5	-61.1	-86.5				
80	18044	18448	17891	-75.6	-52.1	-88.3				
70	18835	19277	18694	-72.6	-45.7	-84.1				
60	19735	20259	19506	-67.7	-42.7	-79.5				
50	20834	21428	20571	-61.9	-39.3	-71.3				
40	22216	22885	21915	-57.0	-42.5	-64.5				
30										
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
533	5330	5890	4840				95	17120	-77.2

NORMALS OF RADIOSONDE DATA

MONTH : JULY TIME : 0530 IST STATION : SILIGURI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	987	989	986	26.3	31.4	22.0	24.7	073	1.1	1.4
1000	7	14	0							
950	433	466	401	24.9	32.0	18.8	23.0	085	3.2	3.9
925	672	700	644	23.7	29.8	14.6	21.5	090	2.8	3.7
900	925	939	913	22.7	30.2	12.2	20.5	095	3.4	4.5
850	1421	1434	1408	20.3	30.4	9.6	18.2	100	3.2	4.9
800	1944	1957	1928	17.7	28.0	9.2	15.7	099	3.1	5.3
750	2499	2521	2477	15.1	25.4	5.6	12.6	104	3.0	5.5
700	3075	3102	3057	12.3	23.6	0.0	9.4	108	2.9	5.5
650	3695	3731	3669	9.4	19.8	-1.3	5.8	114	2.2	5.1
600	4355	4404	4330	6.1	16.8	-3.9	1.9	116	1.8	4.9
550	5072	5131	5027	2.4	13.0	-7.5	-2.0	121	1.6	4.8
500	5828	5889	5794	-1.5	8.8	-12.1	-6.3	110	1.9	5.2
450	6666	6727	6621	-6.0	4.0	-17.1	-11.6	086	1.9	5.7
400	7575	7651	7528	-11.0	-3.5	-21.1	-17.6	095	2.1	5.3
350	8588	8672	8526	-17.0	-6.1	-26.1	-24.4	096	2.6	5.3
300	9734	9832	9657	-24.6	-15.5	-38.1	-32.8	090	3.2	5.8
250	11035	11135	10927	-34.5	-25.1	-45.9	-42.5	082	4.0	7.1
200	12555	12700	12422	-46.8	-37.3	-61.9		081	5.4	8.7
175	13424	13584	13260	-54.3	-45.1	-66.5		073	6.0	9.2
150	14394	14544	14211	-62.1	-50.3	-74.9				
125	15493	15708	15171	-69.8	-56.1	-82.1				
100	16808	17028	16529	-75.2	-64.3	-93.5				
80	18103	18354	17810	-74.7	-61.7	-89.7				
70	18897	19146	18571	-71.3	-58.1	-89.7				
60	19811	20053	19447	-67.1	-50.1	-82.1				
50	20914	21214	20494	-61.9	-46.3	-76.3				
40	22306	22669	21859	-57.5	-42.1	-68.3				
30										
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
521	5510	6020	5080				98	16970	-76.7

NORMALS OF RADIOSONDE DATA

MONTH : AUGUST TIME : 0530 IST STATION : SILIGURI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	989	990	987	26.6	32.6	23.0	23.8	072	1.0	1.2
1000	13	24	0							
950	443	477	408	25.2	31.6	17.8	23.1	082	2.9	3.6
925	689	711	648	23.9	31.4	16.0	21.6	081	2.9	3.9
900	937	959	921	23.0	29.8	14.4	20.7	090	3.1	4.1
850	1435	1462	1418	20.6	28.4	11.8	18.2	092	3.3	4.5
800	1957	1989	1938	17.9	25.8	10.4	15.4	093	3.5	4.9
750	2511	2540	2488	15.2	24.6	7.6	12.4	101	3.7	5.3
700	3089	3134	3066	12.4	20.4	4.8	8.9	103	3.6	5.5
650	3708	3747	3678	9.2	17.8	1.2	5.1	103	3.2	5.5
600	4368	4419	4338	5.9	16.4	-3.5	1.4	108	2.6	5.3
550	5088	5140	5048	2.3	10.8	-4.9	-2.5	116	2.3	4.9
500	5840	5900	5803	-1.7	7.8	-11.1	-6.5	113	2.0	4.7
450	6682	6744	6634	-6.0	4.0	-15.7	-11.5	104	1.9	4.8
400	7588	7651	7542	-11.1	-0.3	-21.9	-17.3	099	2.0	5.1
350	8603	8650	8555	-17.1	-4.9	-27.5	-24.6	097	2.8	5.1
300	9747	9802	9698	-24.9	-12.7	-36.3	-32.9	096	3.6	5.9
250	11046	11122	10981	-34.9	-25.9	-48.5	-42.2	085	4.3	7.3
200	12562	12630	12489	-47.5	-37.1	-58.7		072	5.8	9.1
175	13430	13492	13347	-55.0	-43.5	-70.9		077	6.1	10.1
150	14398	14507	14301	-62.8	-50.1	-77.9		079	7.3	11.1
125	15497	15670	15380	-70.3	-54.5	-89.1		079	8.8	11.9
100	16807	17020	16673	-75.2	-63.7	-88.9				
80	18101	18360	17933	-73.7	-58.5	-90.3				
70	18899	19158	18770	-70.5	-54.9	-82.9				
60	19808	20080	19646	-66.1	-50.7	-79.9				
50	20913	21270	20737	-61.4	-45.9	-70.1				
40	22304	22600	22135	-57.5	-45.3	-67.7				
30										
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
521	5530	6000	5270				101	16810	-76.3

NORMALS OF RADIOSONDE DATA

MONTH : SEPTEMBER TIME : 0530 IST STATION : SILIGURI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	992	995	990	25.6	31.4	20.6	23.2	075	0.9	1.2
1000	44	75	33							
950	470	499	427	24.3	35.2	19.0	21.8	082	2.7	3.3
925	712	731	685	22.9	29.2	17.6	20.1	089	2.4	3.0
900	966	990	956	22.1	35.4	15.6	19.4	090	2.8	3.7
850	1461	1483	1449	19.5	33.0	12.8	16.7	092	2.7	4.1
800	1981	2003	1967	16.8	31.2	9.2	13.9	095	2.4	4.3
750	2529	2557	2503	13.9	28.0	5.4	10.7	106	2.3	4.7
700	3107	3147	3087	11.0	24.0	2.0	7.3	111	2.0	4.8
650	3721	3761	3685	7.7	20.0	-1.3	3.1	120	1.1	5.0
600	4378	4429	4348	4.3	16.4	-4.1	-1.0	174	0.8	5.0
550	5091	5143	5053	0.6	12.4	-7.9	-5.1	236	1.2	5.4
500	5842	5911	5807	-3.4	8.0	-10.9	-9.3	239	1.9	5.8
450	6674	6746	6626	-8.0	2.4	-16.1	-14.5	237	2.3	5.7
400	7577	7662	7525	-13.2	-4.5	-22.1	-19.9	236	2.4	6.1
350	8581	8658	8520	-19.4	-10.7	-29.7	-26.9	243	2.9	6.5
300	9713	9804	9638	-27.2	-17.7	-38.1	-34.9	244	3.0	6.9
250	11002	11104	10911	-36.9	-22.3	-49.9		248	3.2	8.1
200	12507	12619	12401	-49.2	-38.1	-65.1		261	3.7	10.0
175	13369	13513	13247	-56.3	-43.5	-68.9		269	2.6	10.3
150	14327	14503	14201	-63.7	-48.7	-76.9		275	2.3	9.4
125	15424	15613	15282	-70.8	-55.5	-85.5		290	1.3	9.8
100	16731	16909	16551	-75.3	-59.7	-89.5		067	2.3	8.5
80	18033	18230	17891	-73.0	-56.3	-88.7				
70	18836	19032	18669	-69.4	-51.1	-82.3				
60	19752	19953	19560	-64.7	-51.3	-77.9				
50	20897	21505	20695	-60.1	-45.7	-74.1				
40	22289	23339	22084	-56.4	-39.5	-71.7				
30	24116	25149	23882	-53.0	-41.9	-71.3				
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
543	5200	5760	4740				101	16670	-76.4

NORMALS OF RADIOSONDE DATA

MONTH : OCTOBER TIME : 0530 IST STATION : SILIGURI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	996	1000	993	23.3	29.0	18.8	20.3	050	0.7	0.9
1000	84	112	67							
950	507	555	479	22.7	32.0	16.8	17.5	060	1.8	2.6
925	747	783	719	21.2	26.6	15.4	15.6	058	1.2	2.1
900	1000	1021	979	20.4	30.6	10.2	14.6	074	1.3	2.7
850	1491	1508	1469	17.5	27.0	7.0	11.3	091	1.0	3.1
800	2006	2020	1984	14.4	28.2	5.4	7.6	122	0.6	3.6
750	2547	2563	2530	11.2	21.4	1.4	3.5	171	0.4	3.9
700	3120	3143	3101	7.8	19.0	-2.1	-1.0	265	0.6	4.4
650	3724	3747	3695	4.3	14.8	-6.9	-4.7	268	1.6	5.1
600	4373	4405	4358	0.8	12.0	-11.3	-8.8	270	4.4	6.6
550	5078	5118	5040	-2.8	5.8	-16.1	-11.6	267	7.1	8.7
500	5818	5861	5780	-6.9	2.0	-21.9	-16.0	266	9.3	10.8
450	6639	6684	6577	-11.6	-1.5	-28.3	-20.4	264	11.8	13.4
400	7527	7573	7459	-17.0	-7.1	-34.5		263	13.9	15.5
350	8517	8563	8424	-23.4	-11.5	-39.3		262	16.0	17.8
300	9630	9702	9516	-30.9	-20.7	-45.3		260	18.8	20.5
250	10900	10993	10756	-39.8	-28.1	-55.1		260	20.5	22.7
200	12390	12513	12211	-50.9	-41.5	-61.3		258	21.3	23.9
175	13248	13388	13058	-57.2	-47.9	-66.9		255	19.3	21.7
150	14206	14364	14013	-63.8	-52.1	-72.3		258	18.4	20.5
125	15304	15482	15121	-70.1	-57.5	-81.7		263	17.0	19.2
100	16612	16888	16453	-73.7	-61.7	-84.5		264	12.1	15.2
80	17922	18272	17754	-71.3	-52.1	-80.9				
70	18730	19097	18591	-67.5	-49.1	-78.9				
60	19660	20204	19424	-63.0	-42.1	-75.7				
50	20787	21304	20527	-58.7	-41.5	-72.9				
40	22188	22761	21908	-55.1	-37.5	-62.7				
30										
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
590	4510	4940	3850				105	16380	-74.7

NORMALS OF RADIOSONDE DATA

MONTH : NOVEMBER TIME : 0530 IST STATION : SILIGURI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1000	1002	997	19.2	25.2	14.0	15.8	037	0.8	1.0
1000	113	131	89	18.8	29.0	14.2	13.8	032	1.3	1.5
950	534	572	501	19.2	31.8	10.0	11.4	054	2.0	2.6
925	772	802	728	18.5	29.2	8.6	10.3	064	1.2	2.1
900	1017	1038	1005	16.8	33.2	6.0	8.4	073	1.3	2.3
850	1501	1526	1486	13.7	28.0	4.2	5.0	084	1.2	2.5
800	2006	2037	1976	10.4	25.2	1.6	1.1	095	1.0	3.1
750	2539	2575	2505	7.0	21.6	-1.9	-2.8	121	0.6	3.9
700	3104	3137	3067	3.7	18.0	-6.3	-6.6	279	1.0	4.7
650	3702	3748	3644	0.7	14.6	-10.5	-11.7	284	4.1	6.9
600	4343	4394	4290	-2.2	11.0	-13.5	-15.6	280	7.8	9.6
550	5036	5083	4980	-5.8	8.6	-16.1		280	10.9	12.3
500	5769	5828	5693	-10.3	2.8	-21.3		278	13.7	14.9
450	6576	6639	6486	-15.4	-4.9	-26.7		277	16.0	17.4
400	7453	7526	7361	-21.6	-10.3	-34.5		276	19.7	21.3
350	8432	8519	8324	-27.7	-15.3	-41.9		274	24.2	25.9
300	9520	9623	9383	-34.7	-22.9	-49.5		273	28.8	30.8
250	10772	10892	10596	-43.0	-30.7	-56.9		270	32.7	34.8
200	12252	12378	12047	-52.7	-41.3	-61.9		268	32.4	34.4
175	13103	13229	12892	-58.4	-42.1	-69.1		267	32.9	34.6
150	14057	14194	13830	-63.7	-50.1	-79.9		268	33.3	34.9
125	15163	15344	14882	-68.5	-54.1	-85.9		265	27.3	29.4
100	16486	16664	16207	-72.9	-58.5	-85.9		268	23.2	24.6
80	17793	17989	17556	-73.3	-57.1	-89.9				
70	18586	18788	18372	-70.9	-54.1	-86.9				
60	19503	19725	19293	-67.3	-55.9	-83.1				
50	20632	20858	20394	-62.0	-49.3	-76.9				
40	22023	22289	21795	-57.4	-44.5	-68.9				
30										
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
638	3870	4510	2960				96	16730	-74.9

NORMALS OF RADIOSONDE DATA

MONTH : DECEMBER TIME : 0530 IST STATION : SILIGURI

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1002	1004	999	15.1	20.0	8.2	12.0	045	0.7	0.9
1000	130	147	113	15.1	20.0	8.6	11.8	043	1.1	1.3
950	545	570	513	16.0	27.2	8.6	8.8	056	1.9	2.5
925	779	796	745	15.2	22.2	8.2	7.2	054	1.7	2.5
900	1024	1044	997	13.8	23.8	3.6	5.6	074	1.4	2.3
850	1503	1526	1472	10.6	22.6	2.2	2.1	090	1.7	2.5
800	2004	2027	1969	7.4	18.8	-1.7	-1.6	100	1.5	3.0
750	2535	2569	2487	4.5	15.2	-3.7	-5.4	106	0.2	4.3
700	3091	3125	3052	1.7	13.8	-5.1	-9.6	290	3.1	6.1
650	3688	3727	3640	-0.5	12.2	-9.1	-15.7	289	7.6	9.6
600	4324	4363	4283	-3.1	8.8	-12.5		289	11.9	13.3
550	5015	5079	4970	-7.0	5.2	-17.5		288	15.1	16.3
500	5745	5803	5687	-11.9	0.2	-21.9		288	17.5	18.7
450	6546	6602	6493	-17.3	-5.9	-27.9		287	20.4	22.0
400	7416	7478	7359	-23.3	-11.9	-34.5		286	23.6	25.4
350	8385	8459	8324	-30.0	-19.1	-41.1		285	27.8	29.7
300	9464	9530	9397	-37.5	-24.9	-48.3		284	31.0	33.0
250	10704	10790	10626	-45.6	-32.5	-59.1		282	36.5	39.2
200	12166	12257	12079	-54.3	-41.9	-68.7		277	37.1	39.6
175	13005	13084	12905	-58.6	-44.1	-74.5		274	38.4	40.5
150	13966	14076	13860	-62.9	-50.3	-77.1				
125	15073	15230	14946	-67.4	-54.1	-81.1				
100	16402	16623	16266	-71.4	-56.1	-84.1				
80	17710	17995	17540	-72.0	-57.5	-86.7				
70	18505	18980	18304	-69.7	-55.1	-86.7				
60	19413	19919	19190	-66.4	-51.9	-78.7				
50	20524	21109	20266	-62.1	-47.9	-75.9				
40	21912	22586	21612	-58.1	-44.9	-71.5				
30										
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
664	3550	4230	3110				99	16530	-73.0

NORMALS OF RADIOSONDE DATA

MONTH : JANUARY TIME : 0530 IST STATION : SRINAGAR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	845	849	843	-0.9	6.4	-10.0	-1.5	120	0.1	0.2
1000	218	275	200							
950	600	675	566							
925	809	841	774							
900	1079	1127	1060							
850	1538	1580	1518	-3.1	2.6	-8.5	-3.9	129	0.3	0.4
800	2022	2059	2000	-1.7	6.8	-13.1	-4.5	121	0.6	1.7
750	2530	2582	2498	-3.9	5.0	-15.1	-7.3	132	0.9	1.9
700	3076	3111	3057	-6.2	5.0	-15.0	-11.0	143	2.0	3.0
650	3654	3706	3609	-8.9	5.8	-17.5	-15.1	153	3.4	4.6
600	4271	4310	4242	-12.8	-1.1	-22.1	-19.8	173	4.4	6.1
550	4941	4994	4893	-17.3	-7.1	-29.5	-24.0	206	5.3	7.9
500	5637	5681	5598	-22.2	-10.9	-32.1	-28.5	229	7.6	10.7
450	6407	6466	6355	-27.5	-16.9	-38.7	-33.4	243	10.2	13.7
400	7245	7296	7179	-33.4	-22.3	-46.9	-39.0	252	13.8	17.3
350	8170	8260	8102	-40.0	-26.3	-54.1	-45.2	257	17.3	21.2
300	9209	9298	9109	-46.9	-34.3	-62.5	-52.2	263	22.4	26.3
250	10400	10509	10276	-53.1	-37.3	-64.0		266	27.1	30.7
200	11822	11960	11693	-56.5	-41.5	-72.1		266	33.6	36.5
175	12665	12826	12534	-57.4	-41.9	-71.0		270	32.7	35.2
150	13630	13796	13433	-58.6	-44.3	-71.7		272	33.7	35.9
125	14783	14947	14666	-60.6	-47.7	-72.3				
100	16144	16389	16007	-62.4	-50.9	-74.0				
80	17491	17719	17339	-62.3	-54.3	-77.0				
70	18323	18544	18179	-61.4	-52.7	-72.3				
60	19274	19485	19100	-60.8	-54.3	-69.5				
50	20418	20607	20274	-58.6	-51.5	-68.3				
40	21816	22012	21662	-56.4	-46.5	-68.0				
30										
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
798	2040	2460	1610	243	10630	-57.5	97	16580	-64.6

NORMALS OF RADIOSONDE DATA

MONTH : FEBRUARY TIME : 0530 IST STATION : SRINAGAR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	843	847	840	0.9	7.0	-12.0	0.0	118	0.1	0.5
1000	192	226	157							
950	579	628	536							
925	793	823	775							
900	1057	1094	1021							
850	1522	1559	1482							
800	2008	2050	1968	-0.1	8.6	-8.0	-3.1	125	0.5	2.0
750	2517	2564	2485	-2.5	8.6	-12.0	-5.9	135	0.9	2.2
700	3067	3115	3028	-5.3	7.2	-14.0	-9.4	146	1.7	3.0
650	3642	3712	3598	-8.4	3.6	-21.0	-13.7	151	3.6	5.1
600	4264	4311	4223	-12.4	-0.5	-22.3	-18.5	174	4.4	6.5
550	4933	5017	4881	-17.0	-4.9	-27.0	-23.3	207	5.2	8.2
500	5631	5687	5583	-21.8	-7.1	-33.0	-28.2	232	7.1	10.6
450	6403	6487	6342	-27.1	-13.1	-38.0	-33.5	245	9.9	13.4
400	7241	7322	7166	-32.9	-19.5	-46.9	-39.1	252	13.5	17.3
350	8169	8259	8084	-39.5	-26.1	-52.3	-45.2	260	17.8	21.4
300	9211	9301	9111	-46.4	-31.5	-58.9	-51.5	264	22.7	26.3
250	10405	10522	10314	-52.3	-37.7	-66.0	-55.2	266	28.3	32.0
200	11838	11991	11708	-54.7	-39.9	-71.9		267	34.3	37.3
175	12690	12916	12551	-55.2	-40.5	-70.1		269	36.2	38.5
150	13656	14027	13502	-56.8	-41.3	-68.7		271	35.8	38.3
125	14810	15161	14639	-58.8	-50.1	-69.1				
100	16193	16618	16027	-60.8	-48.1	-71.5				
80	17560	17801	17349	-61.8	-52.1	-71.9				
70	18402	18675	18125	-61.3	-50.1	-73.1				
60	19360	19606	19078	-60.2	-48.3	-71.9				
50	20494	20721	20225	-58.6	-46.1	-80.7				
40	21885	22255	21622	-56.7	-47.5	-74.0				
30	23739	23980	23451	-53.8	-42.9	-62.5				
25	24908	25088	24636	-52.9	-42.5	-61.5				
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
780	2190	2860	1820	243	10610	-56.7	87	17300	-63.3

NORMALS OF RADIOSONDE DATA

MONTH : MARCH TIME : 0530 IST STATION : SRINAGAR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	842	845	841	4.7	16.0	-2.1	3.2	029	0.0	0.5
1000	168	197	149							
950	561	601	523							
925	775	791	762							
900	1047	1073	1031							
850	1515	1541	1499							
800	2008	2034	1991	3.8	16.0	-5.5	0.4	118	0.5	2.1
750	2524	2564	2488	1.3	12.0	-8.9	-2.4	136	1.2	2.4
700	3083	3123	3063	-1.9	9.4	-12.1	-6.1	143	2.0	3.3
650	3664	3711	3616	-5.3	5.0	-16.3	-11.0	153	3.3	4.8
600	4294	4345	4267	-9.3	3.0	-20.5	-15.7	181	3.8	6.5
550	4967	5033	4913	-13.9	-2.0	-24.7	-20.2	218	4.8	8.3
500	5678	5743	5642	-18.9	-6.9	-30.3	-25.2	239	6.9	10.8
450	6457	6526	6403	-24.3	-7.0	-36.9	-30.3	250	9.9	13.9
400	7305	7384	7247	-30.4	-14.9	-44.5	-36.1	257	13.2	17.3
350	8239	8333	8157	-37.2	-23.1	-52.1	-42.2	261	17.4	21.6
300	9293	9391	9182	-44.9	-31.7	-60.3	-49.3	265	21.7	26.1
250	10492	10620	10354	-52.4	-35.7	-67.3		266	27.2	31.1
200	11915	12054	11762	-55.9	-37.1	-69.0		271	32.5	36.2
175	12762	12935	12601	-55.8	-40.1	-71.0		273	32.3	35.2
150	13735	14023	13567	-56.8	-43.1	-67.7		275	32.8	35.6
125	14883	15076	14714	-59.1	-44.7	-71.1		270	27.9	30.8
100	16264	16527	16061	-61.4	-46.1	-73.0		271	25.8	27.4
80	17644	17890	17400	-61.8	-42.3	-72.1				
70	18496	18743	18200	-61.4	-45.5	-72.1				
60	19456	19689	19145	-60.2	-48.1	-71.5				
50	20595	20842	20345	-58.1	-46.1	-69.7				
40	22039	22258	21744	-54.6	-39.3	-64.5				
30	23915	24114	23317	-50.6	-35.1	-63.1				
25	25108	25306	24469	-48.6	-33.9	-61.5				
20	26607	26795	26252	-45.6	-28.3	-58.7				
15	28525	28709	28062	-42.8	-28.1	-56.1				
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
727	2780	3470	2420	231	11050	-57.9	90	17140	-63.1

NORMALS OF RADIOSONDE DATA

MONTH : APRIL TIME : 0530 IST STATION : SRINAGAR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	842	844	840	9.0	16.0	0.2	6.8	116	0.0	0.5
1000	140	158	118							
950	540	588	512							
925	765	799	749							
900	1031	1046	1013							
850	1507	1523	1490							
800	2008	2027	1990	8.5	17.6	-0.7	3.8	120	0.6	2.1
750	2531	2560	2494	6.0	16.0	-2.5	0.6	130	0.8	2.2
700	3100	3123	3074	2.7	12.0	-7.3	-3.2	139	0.8	2.8
650	3691	3737	3655	-1.0	9.0	-14.0	-7.8	151	1.6	3.9
600	4330	4361	4300	-5.2	3.8	-17.7	-12.6	188	1.7	5.3
550	5015	5052	4971	-10.0	0.0	-23.5	-17.2	233	2.8	7.0
500	5737	5782	5694	-14.9	-4.7	-28.1	-22.4	252	4.6	8.8
450	6527	6574	6482	-20.4	-8.9	-35.9	-27.7	263	7.2	11.0
400	7390	7447	7327	-26.6	-16.1	-42.1	-33.4	267	10.0	13.5
350	8338	8395	8270	-33.7	-22.3	-48.7	-40.4	270	12.5	16.6
300	9408	9468	9317	-41.8	-30.1	-55.9	-47.8	272	16.6	20.6
250	10622	10708	10512	-50.3	-33.5	-65.1	-55.5	272	20.7	24.6
200	12058	12173	11925	-56.1	-40.9	-72.0		274	24.8	28.9
175	12903	13039	12789	-57.1	-43.3	-75.5		275	25.0	28.9
150	13874	14001	13744	-58.1	-45.7	-71.0		277	26.2	30.1
125	15027	15500	14895	-60.5	-46.1	-74.0		272	24.1	27.6
100	16392	16976	16236	-63.6	-47.9	-76.0		268	19.9	24.2
80	17749	18444	17575	-64.2	-48.9	-79.0				
70	18589	19400	18350	-63.1	-48.1	-76.0				
60	19514	20333	19259	-61.6	-43.3	-74.0				
50	20653	21529	20378	-59.0	-44.9	-75.0				
40	22070	23019	21751	-55.4	-37.5	-65.3				
30	23951	24956	23628	-51.7	-36.3	-63.5				
25	25149	26194	24786	-50.0	-37.1	-61.7				
20	26643	27722	26292	-47.1	-35.1	-60.1				
15	28587	29718	27785	-44.8	-32.9	-57.7				
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
666	3500	3920	3070	214	11650	-58.3	94	16940	-66.1

NORMALS OF RADIOSONDE DATA

MONTH : MAY TIME : 0530 IST STATION : SRINAGAR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	840	843	838	12.5	24.0	5.4	10.1	123	0.2	0.6
1000	105	134	70							
950	514	542	474							
925	732	749	704							
900	1007	1032	978							
850	1489	1512	1465							
800	1997	2016	1980	12.2	25.0	3.0	7.1	124	0.9	2.3
750	2528	2553	2494	9.7	20.8	0.0	3.8	121	0.3	2.2
700	3102	3118	3082	6.3	19.8	-3.9	-0.1	129	0.1	2.6
650	3703	3755	3647	2.6	16.2	-8.1	-4.6	145	0.3	3.8
600	4349	4388	4320	-1.7	9.8	-18.0	-9.4	257	1.1	5.2
550	5044	5101	4996	-6.5	4.0	-17.1	-14.4	267	2.3	6.4
500	5773	5836	5737	-11.6	-0.5	-22.1	-19.9	269	4.2	8.1
450	6575	6648	6518	-17.0	-5.3	-28.0	-25.3	269	6.1	9.8
400	7447	7550	7384	-23.2	-11.3	-36.5	-31.3	268	8.5	12.1
350	8412	8540	8335	-30.1	-14.7	-44.7	-37.9	271	11.4	15.1
300	9495	9654	9405	-37.8	-21.7	-57.3	-45.0	271	15.4	19.1
250	10731	10939	10620	-46.0	-30.0	-64.3	-52.0	273	19.9	23.7
200	12193	12468	12065	-52.7	-36.9	-67.5		273	24.2	27.8
175	13047	13483	12907	-55.1	-42.0	-67.9		275	26.0	28.8
150	14024	14160	13873	-57.6	-46.0	-71.5		273	25.3	27.7
125	15167	15375	14997	-61.8	-50.0	-75.3		274	22.6	24.7
100	16534	16792	16373	-65.5	-51.7	-84.9		275	18.6	21.1
80	17891	18194	17710	-66.6	-49.7	-84.9		278	11.7	16.4
70	18714	19015	18547	-65.5	-44.5	-81.9		284	7.9	14.4
60	19650	19996	19500	-63.0	-40.5	-77.5				
50	20769	21240	20591	-59.6	-40.7	-74.0				
40	22175	22545	22000	-56.0	-39.9	-71.0				
30	24048	24453	23825	-51.5	-39.3	-64.3				
25	25201	25478	24840	-48.9	-36.5	-64.5				
20	26696	27187	26162	-46.8	-34.5	-58.5				
15	28610	29112	28020	-44.8	-31.3	-56.1				
10	31340	31848	30948	-42.1	-30.5	-55.5				
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
621	4080	4920	3690	216	11680	-54.7	93	17090	-68.5

NORMALS OF RADIOSONDE DATA

MONTH : JUNE TIME : 0530 IST STATION : SRINAGAR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	836	838	833	16.3	26.0	9.0	13.5	119	0.2	0.4
1000	48	72	5							
950	461	496	424							
925	690	724	649							
900	961	984	933							
850	1449	1473	1426							
800	1964	1984	1944	16.2	27.8	7.0	10.8	112	0.7	2.0
750	2506	2534	2471	13.9	24.8	4.0	7.2	321	0.1	2.2
700	3086	3104	3067	10.4	23.8	-2.5	3.4	312	0.9	2.5
650	3697	3741	3661	6.4	18.4	-10.7	-0.8	302	1.1	3.7
600	4350	4374	4329	1.9	13.2	-9.1	-5.6	301	1.7	4.4
550	5059	5095	5006	-2.9	9.0	-12.7	-10.9	302	2.3	5.4
500	5793	5829	5764	-8.0	6.2	-18.1	-16.5	293	3.2	6.3
450	6613	6662	6566	-12.9	-1.7	-23.7	-21.9	281	5.4	8.2
400	7493	7553	7450	-18.2	-5.0	-30.9	-27.4	281	8.4	11.0
350	8483	8558	8432	-23.9	-10.1	-39.5	-32.9	275	12.6	15.5
300	9591	9692	9527	-30.3	-16.7	-46.1	-39.6	276	17.4	20.5
250	10868	10982	10792	-37.8	-24.1	-58.1	-46.9	274	21.2	24.3
200	12378	12523	12269	-46.7	-34.7	-61.9		275	23.9	27.0
175	13258	13403	13126	-52.0	-37.5	-67.1		275	22.6	25.6
150	14246	14425	14103	-57.8	-46.9	-74.0		275	22.0	24.9
125	15385	15550	15260	-64.3	-47.9	-83.0		280	18.6	22.2
100	16731	17003	16575	-69.6	-54.7	-87.0		287	13.6	18.9
80	18056	18461	17879	-70.1	-55.3	-90.0		322	3.7	10.8
70	18879	19300	18706	-67.7	-55.3	-86.0				
60	19802	20273	19591	-63.8	-51.1	-77.0				
50	20926	21478	20692	-59.2	-45.9	-73.0				
40	22345	22968	21978	-54.5	-33.1	-72.0				
30	24215	24913	23810	-50.3	-37.5	-71.0				
25	25396	26220	24958	-48.2	-35.1	-62.9				
20	26861	27701	26362	-45.9	-34.1	-59.7				
15	28767	29697	28202	-43.7	-32.5	-55.9				
10	31477	32525	30837	-40.8	-31.1	-50.1				
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
579	4640	5090	4310				96	17080	-72.2

NORMALS OF RADIOSONDE DATA

MONTH : JULY TIME : 0530 IST STATION : SRINAGAR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	834	836	832	19.4	28.0	10.0	17.4	083	0.1	0.5
1000	14	37	0							
950	424	457	389							
925	652	673	635							
900	932	958	904							
850	1426	1451	1399							
800	1946	1970	1922	18.5	27.2	11.0	14.8	038	0.5	2.2
750	2490	2511	2440	15.8	23.0	6.0	11.7	337	0.9	2.4
700	3077	3091	3057	12.3	21.0	2.0	8.2	315	1.0	2.5
650	3693	3725	3657	8.3	18.4	-2.0	4.3	305	0.6	2.8
600	4349	4362	4334	4.3	13.0	-6.0	-0.5	313	0.7	3.4
550	5069	5099	5026	0.2	9.0	-11.0	-6.1	300	0.7	4.4
500	5808	5829	5786	-4.3	6.4	-16.0	-11.5	263	1.5	5.3
450	6644	6696	6606	-8.8	1.8	-21.0	-16.9	258	3.5	7.2
400	7537	7575	7510	-13.4	-3.5	-25.0	-22.5	262	6.0	9.6
350	8543	8584	8506	-19.0	-9.3	-32.1	-27.9	265	8.8	12.4
300	9676	9731	9629	-26.0	-16.7	-49.5	-34.5	263	11.2	14.7
250	10976	11051	10914	-34.6	-24.5	-48.9	-42.8	265	14.0	17.4
200	12500	12594	12413	-45.4	-31.5	-62.9	-52.3	265	15.4	18.7
175	13374	13511	13259	-52.1	-39.9	-69.3		271	14.5	17.5
150	14353	14518	14225	-59.0	-44.3	-73.3		273	12.9	16.2
125	15476	15669	15340	-66.1	-49.0	-82.0		297	8.4	13.2
100	16806	17221	16640	-70.8	-51.1	-87.0		322	5.4	12.0
80	18125	18629	17945	-70.0	-54.1	-88.0		063	6.4	10.2
70	18943	19490	18720	-67.0	-50.1	-83.0		084	6.7	10.7
60	19875	20452	19689	-63.6	-43.7	-79.0				
50	20998	21619	20709	-58.7	-44.1	-72.0				
40	22411	23072	22121	-54.4	-36.7	-67.1				
30	24254	24985	23938	-51.1	-33.1	-63.1				
25	25422	26200	25113	-49.6	-31.1	-61.9				
20	26884	27748	26561	-47.9	-36.3	-60.1				
15	28768	29842	28344	-45.1	-34.5	-53.7				
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
547	5120	5730	4800				100	16880	-73.2

NORMALS OF RADIOSONDE DATA

MONTH : AUGUST TIME : 0530 IST STATION : SRINAGAR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	835	837	834	18.5	30.0	10.4	16.8	128	0.1	0.4
1000	27	46	5							
950	438	461	410							
925	669	691	649							
900	948	961	929							
850	1440	1468	1423							
800	1958	1973	1944	17.9	27.2	10.0	14.7	034	0.6	2.2
750	2502	2529	2471	15.5	25.0	5.8	11.8	343	1.0	2.3
700	3087	3101	3075	12.0	21.6	3.4	8.3	313	0.8	2.1
650	3704	3724	3679	8.1	18.2	0.0	4.3	305	0.5	2.5
600	4359	4381	4343	4.2	16.0	-4.7	-0.6	244	0.2	3.2
550	5081	5131	5034	0.1	9.4	-10.5	-6.1	218	0.8	4.0
500	5819	5860	5795	-4.2	5.0	-14.9	-11.6	229	1.8	5.3
450	6656	6695	6616	-8.6	4.0	-20.5	-16.6	242	4.1	7.2
400	7545	7608	7469	-13.5	-2.5	-37.5	-22.0	252	6.7	9.5
350	8552	8620	8497	-19.2	-6.7	-31.1	-27.9	259	9.1	11.9
300	9688	9771	9629	-26.2	-13.9	-40.3	-35.1	259	11.9	14.6
250	10984	11122	10896	-35.0	-23.0	-50.1	-43.7	259	13.8	16.8
200	12508	12694	12386	-45.9	-32.0	-65.1	-54.2	261	15.3	18.5
175	13384	13625	13250	-52.4	-39.1	-68.1		266	15.1	18.2
150	14365	14662	14218	-59.4	-45.0	-76.5		266	12.9	16.6
125	15493	15839	15322	-65.9	-50.0	-81.0		274	9.1	13.9
100	16833	17254	16605	-70.4	-54.1	-84.0		287	4.6	11.7
80	18149	18602	17892	-69.1	-46.1	-81.0		061	2.9	9.7
70	18962	19461	18719	-66.2	-41.1	-82.0		092	6.2	8.9
60	19896	20444	19670	-62.3	-37.3	-74.0				
50	21029	21603	20757	-58.2	-38.9	-71.5				
40	22420	23485	22126	-54.2	-39.7	-67.3				
30	24278	24655	23950	-50.5	-35.7	-62.9				
25	25457	25808	25080	-49.1	-36.1	-59.9				
20	26952	27327	26560	-46.3	-32.1	-56.7				
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
548	5100	5770	4760				101	16830	-72.0

NORMALS OF RADIOSONDE DATA

MONTH : SEPTEMBER TIME : 0530 IST STATION : SRINAGAR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	840	841	838	13.6	22.2	5.0	12.2	136	0.1	0.3
1000	94	128	73							
950	496	543	474							
925	715	724	707							
900	1000	1025	982							
850	1485	1505	1468							
800	1995	2012	1981	14.5	23.4	3.4	9.5	065	0.5	1.9
750	2530	2556	2490	12.4	22.0	-1.1	6.4	337	0.6	2.1
700	3113	3131	3095	8.9	19.0	-5.1	2.6	306	0.3	2.1
650	3718	3776	3686	5.1	16.0	-6.3	-1.9	139	0.3	2.8
600	4370	4412	4348	1.0	11.0	-9.7	-7.3	190	0.5	3.9
550	5074	5128	5034	-3.6	9.0	-13.9	-12.6	225	1.2	5.0
500	5810	5880	5777	-8.3	2.0	-17.9	-17.5	242	2.7	6.2
450	6628	6708	6588	-13.1	-0.9	-26.0	-22.3	254	5.1	8.5
400	7510	7611	7466	-18.4	-5.5	-30.7	-27.2	260	8.5	11.7
350	8494	8604	8450	-24.1	-11.1	-37.3	-32.9	262	12.7	15.5
300	9609	9752	9538	-30.8	-19.1	-45.5	-39.3	263	17.2	19.7
250	10884	11052	10790	-38.8	-28.9	-55.3	-47.0	263	21.5	23.9
200	12385	12582	12281	-48.5	-36.3	-65.1		266	24.0	26.3
175	13242	13443	13118	-54.4	-41.9	-70.7		264	23.6	25.7
150	14214	14449	14071	-60.6	-46.1	-78.5		270	22.4	24.4
125	15333	15674	15188	-66.2	-50.9	-77.1		269	18.4	20.3
100	16656	17114	16484	-69.4	-54.9	-81.0		271	14.1	17.2
80	17979	18545	17821	-67.5	-51.3	-82.0				
70	18793	19085	18639	-64.7	-50.7	-76.0				
60	19710	19935	19584	-61.1	-44.5	-71.0				
50	20845	21074	20621	-56.6	-44.5	-68.0				
40	22277	22560	22009	-52.8	-40.1	-67.1				
30	24124	24413	23834	-49.3	-34.7	-61.1				
25	25250	25605	24960	-47.9	-34.9	-60.1				
20	26672	27117	26455	-46.9	-33.3	-58.1				
15	28584	29096	28378	-44.7	-36.1	-51.1				
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
588	4550	5370	4160				105	16360	-71.1

NORMALS OF RADIOSONDE DATA

MONTH : OCTOBER TIME : 0530 IST STATION : SRINAGAR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	844	847	841	6.8	15.0	-1.1	5.8	120	0.1	0.3
1000	169	195	133							
950	559	589	517							
925	780	802	748							
900	1054	1080	1034							
850	1527	1553	1505							
800	2026	2051	2007	9.1	18.0	-1.1	2.5	119	0.8	1.8
750	2552	2586	2529	7.3	19.0	-2.7	-0.6	138	0.3	1.6
700	3123	3150	3107	3.9	16.0	-6.7	-4.7	152	0.2	2.1
650	3714	3773	3679	0.1	12.0	-10.3	-9.4	140	1.0	3.0
600	4358	4394	4336	-4.2	8.0	-15.1	-14.3	178	1.2	4.3
550	5043	5093	5024	-8.9	3.8	-19.3	-18.9	232	2.2	5.6
500	5769	5813	5738	-14.0	-3.0	-23.5	-24.0	254	4.3	7.6
450	6560	6628	6527	-19.4	-6.0	-29.1	-29.2	262	7.2	10.2
400	7429	7504	7379	-25.4	-10.0	-46.9	-34.6	266	10.8	13.6
350	8382	8488	8302	-31.9	-12.0	-44.1	-40.0	268	14.7	17.3
300	9460	9589	9364	-38.7	-25.0	-51.7	-46.2	268	19.5	21.7
250	10693	10866	10558	-45.9	-30.7	-59.5	-51.7	269	24.4	27.0
200	12152	12310	11972	-53.1	-38.7	-67.3		271	29.3	31.9
175	12995	13210	12803	-56.9	-42.0	-70.0		268	30.0	32.2
150	13956	14215	13769	-60.6	-47.7	-72.0		270	30.1	32.1
125	15083	15370	14910	-63.7	-50.1	-74.1		266	25.7	27.7
100	16426	16730	16195	-65.6	-51.7	-76.0				
80	17774	18007	17527	-64.7	-52.1	-73.9				
70	18604	18855	18371	-63.1	-48.5	-74.1				
60	19519	19700	19322	-61.0	-42.3	-71.0				
50	20640	20892	20412	-58.4	-42.9	-73.1				
40	22048	22430	21843	-55.4	-38.1	-64.3				
30	23871	24144	23693	-52.6	-43.7	-62.3				
25	25034	25324	24852	-50.9	-41.5	-61.5				
20	26504	26749	26307	-48.9	-38.7	-60.3				
15	28410	28626	28235	-46.0	-35.1	-55.9				
10	31107	31310	30834	-43.1	-34.3	-52.5				
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
650	3730	4270	3300	205	12010	-58.1	100	16550	-67.6

NORMALS OF RADIOSONDE DATA

MONTH : NOVEMBER TIME : 0530 IST STATION : SRINAGAR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	846	847	844	1.9	10.0	-4.0	1.1	121	0.1	0.3
1000	214	236	196							
950	594	624	572							
925	810	830	791							
900	1083	1100	1061							
850	1548	1561	1532							
800	2039	2052	2022	4.2	13.0	-5.0	-1.6	128	0.8	1.7
750	2557	2582	2528	2.5	13.0	-10.1	-4.7	153	0.3	1.4
700	3117	3138	3095	-0.2	9.6	-9.0	-8.9	140	0.5	2.1
650	3704	3746	3673	-3.4	6.0	-14.3	-13.5	144	1.9	3.4
600	4336	4361	4305	-7.5	2.8	-17.7	-17.9	168	2.3	4.6
550	5017	5064	4978	-12.3	-0.9	-24.7	-22.1	222	3.0	6.2
500	5730	5768	5689	-17.3	-6.3	-29.1	-26.8	249	5.4	8.8
450	6515	6563	6472	-22.9	-11.3	-34.1	-31.7	259	8.7	12.0
400	7367	7422	7310	-28.9	-16.9	-40.9	-37.1	265	12.2	15.6
350	8309	8379	8234	-35.5	-20.5	-48.7	-43.2	268	15.7	19.2
300	9368	9445	9269	-42.7	-27.1	-53.9	-49.4	271	20.1	23.8
250	10578	10667	10441	-50.0	-29.3	-63.1	-55.3	273	24.9	28.5
200	12018	12123	11854	-55.9	-39.1	-68.7		274	30.0	33.8
175	12859	13076	12666	-58.1	-45.1	-69.7		278	32.0	34.7
150	13822	14038	13623	-60.3	-47.5	-76.1		276	33.1	35.3
125	14949	15121	14771	-62.7	-49.5	-77.3		277	31.8	33.3
100	16300	16546	16120	-64.3	-51.1	-76.5				
80	17653	17859	17499	-63.8	-53.1	-76.5				
70	18491	18730	18331	-62.4	-51.5	-77.1				
60	19439	19693	19276	-61.3	-48.1	-76.5				
50	20557	20996	20401	-58.6	-41.5	-75.1				
40	21977	22413	21801	-56.0	-36.7	-72.1				
30	23828	24304	23659	-52.5	-39.1	-62.1				
25	25002	25490	24798	-51.2	-43.1	-60.7				
20	26444	26910	26189	-49.4	-40.7	-58.9				
15										
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FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
705	3080	3730	2300	225	11260	-56.4	102	16270	-66.1

NORMALS OF RADIOSONDE DATA

MONTH : DECEMBER TIME : 0530 IST STATION : SRINAGAR

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	847	849	843	-0.4	6.4	-6.3	-1.1	120	0.1	0.3
1000	233	265	205							
950	612	651	574							
925	828	861	803							
900	1096	1128	1067							
850	1557	1589	1527	-1.6	5.0	-6.3	-2.4	134	0.3	0.5
800	2042	2070	2012	0.3	9.2	-9.5	-4.0	123	0.5	1.7
750	2556	2600	2522	-1.6	9.8	-11.0	-7.2	137	0.4	1.6
700	3104	3133	3076	-3.8	8.0	-15.0	-11.0	142	1.4	2.6
650	3688	3736	3654	-6.4	5.2	-18.0	-15.2	148	3.1	4.3
600	4310	4352	4280	-10.3	3.4	-22.0	-19.3	176	3.9	5.7
550	4986	5049	4931	-14.9	0.0	-26.0	-23.4	208	4.9	7.6
500	5689	5756	5648	-20.0	-4.5	-33.0	-27.6	238	7.3	10.3
450	6466	6548	6415	-25.4	-10.3	-40.0	-32.4	249	10.5	13.6
400	7309	7405	7252	-31.4	-17.5	-49.0	-37.9	257	14.1	17.2
350	8238	8345	8161	-38.1	-23.7	-54.0	-44.4	260	18.5	21.6
300	9288	9423	9197	-45.4	-32.1	-58.3	-51.0	263	23.5	26.6
250	10484	10646	10370	-52.4	-38.1	-65.9		267	28.4	31.4
200	11908	12077	11766	-57.2	-41.3	-68.5		267	34.4	37.1
175	12747	12937	12597	-58.5	-45.0	-73.0		271	35.4	37.2
150	13695	13955	13552	-60.1	-48.0	-71.5		272	36.4	38.2
125	14817	15165	14702	-62.1	-52.0	-73.3		273	30.9	32.0
100	16167	16539	16056	-64.0	-54.0	-76.0				
80	17538	17903	17442	-63.4	-54.3	-74.3				
70	18371	18609	18215	-62.7	-51.1	-73.1				
60	19328	19547	19068	-61.3	-52.7	-73.1				
50	20465	20688	20200	-59.1	-50.0	-69.1				
40	21889	22201	21775	-55.9	-43.5	-69.1				
30	23750	24019	23649	-52.7	-38.7	-68.5				
25	24941	25230	24818	-50.7	-34.9	-70.1				
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
781	2240	3150	1830	228	11110	-58.4	98	16450	-65.3

NORMALS OF RADIOSONDE DATA

MONTH : JANUARY TIME : 0530 IST STATION : THIRUVANANTHAPURAM

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1004	1005	1002	23.1	29.0	17.0	20.3	035	0.8	1.3
1000	94	109	77	23.0	28.0	17.0	20.1	034	1.3	2.6
950	532	558	490	21.8	29.6	17.0	16.2	047	1.1	2.6
925	775	785	762	20.9	26.8	14.4	14.9	062	1.5	2.4
900	1009	1027	992	19.2	25.6	12.0	12.3	059	1.5	2.9
850	1499	1517	1482	16.6	23.2	9.0	7.8	057	1.8	3.5
800	2014	2033	1995	14.4	22.0	7.0	2.5	066	1.9	4.0
750	2554	2577	2534	12.1	20.8	4.0	-2.0	079	2.1	4.4
700	3132	3153	3110	9.2	18.6	3.0	-5.6	082	2.4	4.8
650	3736	3765	3713	5.8	17.0	-4.5	-8.7	082	2.9	5.3
600	4393	4419	4363	2.3	9.4	-4.3	-12.0	082	3.8	6.0
550	5090	5119	5053	-1.7	7.0	-10.5	-16.0	080	4.4	6.7
500	5843	5887	5809	-6.0	5.0	-12.9	-19.6	078	4.6	7.4
450	6657	6700	6619	-10.9	-3.0	-22.0	-24.6	076	4.5	8.0
400	7558	7631	7517	-16.5	-8.3	-26.0	-30.2	072	3.6	8.3
350	8546	8606	8501	-23.6	-12.1	-34.3	-36.5	080	2.1	8.4
300	9658	9768	9594	-32.0	-19.1	-44.1	-43.7	142	1.8	8.5
250	10919	11059	10833	-42.5	-27.3	-55.7	-52.0	164	4.0	9.7
200	12387	12572	12269	-54.8	-38.7	-68.7		169	5.3	11.9
175	13228	13436	13088	-61.8	-45.1	-74.5		171	4.9	12.5
150	14166	14399	13998	-69.1	-52.3	-86.3		163	3.9	12.3
125	15238	15501	15040	-75.8	-60.5	-90.1		140	2.3	11.2
100	16509	16815	16271	-80.9	-61.0	-92.5		097	2.4	8.8
80	17771	18098	17540	-78.8	-59.7	-91.3		078	2.5	7.1
70	18543	18899	18281	-74.8	-55.3	-91.3		063	1.2	7.2
60	19440	19801	19164	-70.3	-50.5	-92.7		004	0.2	7.8
50	20535	20913	20212	-65.1	-44.5	-81.5		102	1.4	9.5
40	21908	22327	21532	-60.4	-42.5	-76.9		107	3.7	11.8
30	23729	24195	23290	-55.2	-32.5	-71.5		099	4.8	13.6
25	24907	25388	24403	-52.4	-31.5	-68.3		097	5.2	15.7
20	26378	26926	25838	-49.4	-26.3	-63.1		089	7.1	17.7
15	28455	37495	27726	-47.0	-22.5	-61.1		089	4.7	18.2
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
570	4800	5320	4450				099	16600	-82.9

NORMALS OF RADIOSONDE DATA

MONTH : FEBRUARY TIME : 0530 IST STATION : THIRUVANANTHAPURAM

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1003	1005	1000	23.8	29.0	19.0	21.1	007	1.0	1.6
1000	91	106	62	23.7	28.6	19.0	20.9	007	1.7	2.8
950	530	552	494	22.4	28.8	15.8	17.3	003	1.4	2.9
925	774	785	755	21.5	27.0	14.8	16.7	028	1.2	2.5
900	1008	1024	975	19.8	26.2	12.6	13.0	047	1.5	2.9
850	1498	1519	1465	17.1	23.2	10.6	8.3	060	2.7	4.0
800	2015	2038	1980	14.6	21.8	7.0	3.7	061	3.5	5.0
750	2555	2584	2526	12.1	20.0	2.0	-1.3	066	3.1	5.1
700	3133	3162	3098	9.2	19.0	-3.9	-5.6	074	2.6	5.0
650	3737	3777	3694	5.9	14.0	-6.0	-9.3	078	2.5	5.4
600	4394	4431	4360	2.3	9.2	-7.9	-13.0	078	2.8	5.9
550	5091	5131	5059	-1.7	5.6	-13.5	-16.2	077	3.3	6.6
500	5843	5890	5812	-6.1	0.8	-17.3	-20.4	075	3.4	7.2
450	6657	6707	6625	-10.9	-3.1	-20.7	-25.0	068	3.2	7.8
400	7558	7635	7518	-16.5	-7.7	-25.7	-30.5	057	2.9	8.6
350	8545	8631	8505	-23.4	-12.1	-32.7	-36.7	062	1.6	8.8
300	9659	9761	9601	-32.0	-19.5	-43.1	-43.8	139	1.2	8.9
250	10920	11046	10843	-42.3	-29.5	-53.5	-52.9	158	2.7	10.0
200	12390	12552	12285	-54.5	-40.7	-68.3		158	3.8	11.8
175	13232	13411	13106	-61.4	-47.3	-77.5		150	3.8	12.3
150	14173	14373	14031	-68.7	-54.5	-81.7		140	2.8	11.9
125	15245	15470	15073	-75.4	-62.1	-87.9		113	2.1	10.7
100	16519	16759	16313	-80.5	-64.7	-91.3		070	2.2	8.4
80	17780	18030	17566	-78.4	-65.1	-90.5		055	1.8	7.1
70	18552	18831	18325	-74.9	-58.9	-88.5		323	0.8	7.3
60	19449	19714	19207	-70.6	-48.5	-89.1		263	1.7	8.3
50	20545	20825	20273	-65.9	-48.7	-83.1		252	1.2	10.0
40	21914	22222	21601	-61.0	-46.1	-80.1		160	1.4	11.5
30	23728	24072	23354	-56.0	-40.1	-72.3		101	2.9	14.7
25	24896	25253	24527	-53.3	-36.5	-69.1		095	4.7	16.9
20	26366	26729	25852	-49.7	-35.1	-65.5		096	5.8	18.4
15	28371	37287	27795	-46.4	-33.5	-58.7		094	6.5	18.6
10	31041	31427	30506	-42.8	-30.1	-56.5				
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
570	4810	5260	4590				099	16610	-82.1

NORMALS OF RADIOSONDE DATA

MONTH : MARCH TIME : 0530 IST STATION : THIRUVANANTHAPURAM

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1003	1004	1000	25.0	29.0	21.0	22.7	356	1.8	2.3
1000	86	98	60	24.9	27.8	21.0	22.5	353	2.8	3.7
950	528	550	489	23.3	30.0	17.8	19.1	345	2.6	3.8
925	770	784	746	22.5	29.0	17.8	17.4	358	2.2	3.6
900	1006	1024	985	20.8	28.2	14.2	14.7	017	1.7	3.5
850	1499	1519	1479	18.0	24.6	12.0	9.8	061	3.2	4.5
800	2016	2038	1995	15.2	22.2	9.0	4.0	066	5.5	6.4
750	2557	2585	2537	12.5	21.2	6.0	-2.0	067	6.6	7.6
700	3135	3162	3110	9.3	17.4	2.8	-6.2	070	5.9	7.2
650	3739	3774	3706	5.9	13.8	-5.5	-9.3	075	4.8	6.4
600	4396	4427	4362	2.4	9.6	-3.9	-12.7	081	4.3	6.2
550	5093	5123	5055	-1.5	8.0	-8.1	-16.4	080	4.2	6.4
500	5847	5893	5803	-5.9	5.4	-14.1	-20.9	076	3.9	6.7
450	6660	6700	6615	-10.8	-3.1	-19.7	-25.3	073	3.3	7.2
400	7562	7635	7506	-16.6	-7.7	-27.5	-30.6	065	2.0	7.5
350	8549	8614	8489	-23.5	-12.0	-34.5	-37.1	102	0.3	8.2
300	9663	9768	9593	-31.8	-22.5	-41.5	-44.2	214	1.7	8.9
250	10926	11052	10843	-42.0	-30.0	-53.5	-52.4	212	3.4	10.3
200	12398	12549	12298	-54.1	-39.0	-65.7		210	4.2	11.5
175	13242	13413	13126	-60.9	-48.1	-73.1		215	3.6	11.9
150	14185	14372	14047	-68.1	-53.9	-84.3		221	2.5	11.6
125	15260	15465	15101	-74.9	-62.1	-89.1		226	0.5	10.2
100	16535	16767	16348	-80.5	-69.1	-92.3		082	1.9	8.0
80	17798	18061	17586	-78.1	-57.5	-92.9		070	2.1	6.9
70	18573	18861	18337	-74.5	-60.0	-89.7		338	0.7	7.3
60	19472	19756	19221	-70.1	-55.0	-85.1		279	1.8	8.3
50	20568	20844	20296	-65.1	-49.1	-80.1		249	1.7	9.6
40	21945	22237	21620	-59.8	-44.1	-77.9		181	0.7	10.7
30	23772	24063	23386	-54.0	-39.9	-69.3		103	2.8	13.9
25	24939	25242	24506	-51.3	-35.9	-67.1		089	4.8	16.3
20	26402	26745	25948	-48.0	-36.1	-63.1		088	6.5	18.1
15	28329	28663	27785	-44.9	-34.5	-60.9		094	7.3	18.7
10	31123	31386	30443	-40.0	-26.7	-56.9				
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
568	4820	5260	4440				098	16660	-82.3

NORMALS OF RADIOSONDE DATA

MONTH : APRIL TIME : 0530 IST STATION : THIRUVANANTHAPURAM

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1001	1003	1000	25.9	29.4	22.0	24.0	342	2.3	2.7
1000	75	88	62	25.8	29.0	22.8	23.8	342	3.3	3.9
950	518	540	478	23.9	29.4	18.0	21.0	326	4.1	5.0
925	763	774	749	22.9	27.6	17.0	19.9	326	3.5	4.6
900	998	1014	983	21.3	26.4	15.0	17.6	326	3.1	4.7
850	1492	1510	1476	18.7	24.8	13.0	13.7	011	1.8	4.3
800	2011	2031	1993	16.1	23.8	7.0	8.7	056	3.7	5.1
750	2554	2581	2531	13.1	19.8	2.0	2.7	063	6.1	6.9
700	3134	3161	3109	9.9	17.8	2.8	-2.6	064	6.9	7.8
650	3740	3776	3703	6.2	15.0	-2.0	-6.4	067	6.1	7.3
600	4397	4429	4366	2.4	10.4	-6.0	-9.8	073	4.7	6.3
550	5095	5130	5062	-1.3	9.0	-9.0	-13.4	079	3.8	5.9
500	5849	5901	5814	-5.6	3.0	-14.1	-17.6	078	3.4	6.3
450	6665	6706	6628	-10.4	-1.9	-21.3	-22.1	076	2.9	6.8
400	7567	7642	7517	-16.0	-7.3	-28.5	-27.6	079	2.0	7.0
350	8556	8623	8504	-22.9	-14.5	-36.7	-33.8	081	0.5	7.2
300	9674	9778	9600	-31.1	-22.1	-45.5	-41.2	210	1.4	7.6
250	10940	11069	10849	-41.3	-30.3	-52.3	-49.4	198	3.1	8.4
200	12416	12573	12296	-53.6	-41.1	-67.0		185	4.0	10.0
175	13261	13433	13128	-60.5	-48.1	-72.1		179	3.8	10.3
150	14205	14398	14050	-68.1	-56.1	-81.5		178	2.4	9.9
125	15281	15498	15099	-75.1	-58.7	-88.3		123	1.7	9.2
100	16553	16815	16335	-80.7	-68.7	-92.5		087	4.3	8.3
80	17818	18093	17559	-78.3	-61.1	-92.0		084	3.2	7.5
70	18595	18889	18312	-74.4	-52.3	-90.9		081	1.1	7.3
60	19498	19784	19211	-69.4	-47.9	-88.1		263	1.0	8.3
50	20602	20911	20304	-64.0	-44.9	-77.3		223	0.8	9.3
40	21987	22340	21647	-58.7	-37.5	-72.0		104	1.6	11.6
30	23831	24223	23414	-52.6	-32.5	-66.1		091	5.9	14.9
25	25018	25409	24565	-49.5	-31.5	-63.1		090	8.3	16.9
20	26497	26952	25995	-46.6	-25.1	-59.5		087	10.5	18.1
15	28410	28937	27833	-43.5	-29.5	-55.3		090	11.3	18.5
10	31191	31768	30410	-38.7	-24.1	-51.3				
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
567	4850	5380	4340				097	16740	-82.5

NORMALS OF RADIOSONDE DATA

MONTH : MAY TIME : 0530 IST STATION : THIRUVANANTHAPURAM

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1000	1002	999	25.8	28.4	23.0	24.2	330	3.1	3.6
1000	67	78	58	25.7	28.6	23.0	24.1	329	4.0	4.8
950	511	531	472	23.9	31.4	14.6	21.4	315	6.1	6.8
925	756	765	750	22.9	30.4	12.6	20.3	311	6.4	7.1
900	991	1003	975	21.4	29.8	11.8	18.2	306	6.7	7.6
850	1485	1498	1467	18.9	27.4	9.8	14.7	303	5.5	6.8
800	2005	2019	1984	16.5	26.2	6.6	10.5	315	3.2	5.9
750	2550	2577	2529	13.7	23.8	4.0	5.7	012	2.2	6.1
700	3130	3151	3105	10.3	18.8	3.4	0.6	044	3.0	6.7
650	3738	3767	3713	6.4	14.0	-4.1	-3.5	052	3.3	7.0
600	4395	4424	4365	2.6	11.0	-5.9	-7.4	045	2.3	6.4
550	5094	5132	5060	-1.2	7.6	-8.1	-11.0	022	1.2	5.8
500	5848	5888	5812	-5.2	5.0	-11.7	-15.3	011	0.7	5.7
450	6666	6709	6631	-9.8	-2.3	-16.7	-20.0	024	0.6	5.8
400	7570	7634	7524	-15.3	-6.7	-28.3	-25.5	062	0.6	5.6
350	8562	8623	8516	-22.1	-12.3	-30.9	-31.8	090	0.9	5.6
300	9684	9777	9627	-30.2	-17.7	-42.0	-39.6	104	1.4	5.9
250	10956	11079	10887	-40.5	-28.3	-52.9	-48.8	110	2.8	6.9
200	12436	12599	12344	-52.9	-42.1	-63.5		104	6.4	10.0
175	13284	13465	13167	-60.1	-46.5	-72.9		100	8.6	11.8
150	14228	14440	14087	-67.9	-51.7	-80.5		096	10.9	13.5
125	15303	15548	15129	-75.2	-57.5	-91.3		093	12.3	14.4
100	16577	16848	16363	-80.5	-65.7	-91.7		092	11.5	13.0
80	17847	18129	17593	-77.3	-62.3	-90.3		089	7.1	9.5
70	18635	18918	18361	-72.9	-55.3	-90.5		092	3.7	7.7
60	19539	19824	19248	-68.3	-50.7	-86.1		098	2.5	7.8
50	20653	20945	20325	-63.0	-46.5	-77.0		097	4.8	9.8
40	22041	22347	21663	-57.9	-41.9	-75.1		093	8.6	13.4
30	23878	24210	23484	-52.8	-37.5	-65.7		092	13.1	16.5
25	25064	25436	24642	-49.8	-35.9	-61.3		093	16.2	19.0
20	26545	27017	25980	-46.5	-37.5	-59.1		091	18.2	20.8
15	28469	28976	27734	-43.4	-27.1	-54.9		092	18.5	20.4
10	31250	31772	30457	-39.3	-25.1	-52.1				
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
565	4870	5310	4570				100	16600	-82.2

NORMALS OF RADIOSONDE DATA

MONTH : JUNE TIME : 0530 IST STATION : THIRUVANANTHAPURAM

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1001	1003	1000	24.5	28.8	21.0	23.4	311	4.0	4.7
1000	71	87	62	24.4	28.6	21.0	23.3	311	5.5	6.2
950	512	538	478	22.7	30.6	18.0	20.7	301	8.8	9.5
925	756	771	747	21.8	27.2	17.4	19.8	300	10.0	10.7
900	990	1010	978	20.3	27.8	14.2	17.7	293	11.6	12.3
850	1483	1503	1469	17.5	26.0	11.2	14.2	290	12.7	13.4
800	2000	2020	1985	14.9	22.4	7.0	10.7	288	12.4	13.1
750	2541	2565	2524	12.4	23.0	6.0	6.4	284	11.4	12.3
700	3120	3142	3099	9.5	19.0	3.0	1.8	280	10.1	11.4
650	3727	3756	3692	6.2	13.6	0.2	-2.2	277	8.6	10.1
600	4385	4416	4355	2.6	10.0	-4.0	-5.7	275	7.1	9.0
550	5084	5116	5051	-1.2	7.6	-8.0	-9.6	273	5.6	7.7
500	5839	5883	5802	-5.4	4.6	-11.5	-13.6	275	3.9	6.4
450	6656	6699	6616	-10.1	0.0	-20.0	-18.4	282	2.1	5.6
400	7559	7623	7512	-15.7	-6.3	-37.0	-23.9	355	0.7	5.3
350	8550	8613	8500	-22.5	-12.5	-30.0	-30.9	062	2.9	6.0
300	9669	9761	9614	-30.8	-20.9	-39.0	-38.9	073	5.9	8.2
250	10937	11050	10871	-41.0	-31.1	-53.1	-48.5	082	10.9	12.6
200	12416	12560	12336	-53.3	-41.9	-62.3	-60.5	081	19.1	20.1
175	13263	13426	13175	-60.3	-47.9	-75.1		080	24.0	25.0
150	14207	14394	14117	-68.1	-55.5	-81.1		080	28.8	29.7
125	15282	15505	15182	-75.5	-61.3	-88.7		084	30.4	31.3
100	16556	16810	16424	-79.3	-64.9	-91.9		087	23.5	24.3
80	17835	18120	17653	-75.0	-57.5	-92.1		086	14.9	16.0
70	18628	18973	18412	-71.0	-52.3	-87.7		088	11.4	12.5
60	19540	19876	19306	-66.8	-50.9	-82.1		093	9.7	11.3
50	20649	21016	20390	-62.2	-48.3	-74.9		091	11.1	12.5
40	22040	22461	21731	-58.2	-45.1	-70.9		088	12.7	14.5
30	23867	24306	23513	-53.8	-39.9	-64.9		090	16.7	17.9
25	25042	25518	24630	-51.0	-35.3	-62.1		091	17.9	19.3
20	26510	27008	26057	-48.3	-37.1	-60.7		089	19.7	21.2
15	28456	29003	27957	-44.8	-34.1	-55.3				
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
565	4870	5410	4560				105	16320	-81.3

NORMALS OF RADIOSONDE DATA

MONTH : JULY TIME : 0530 IST STATION : THIRUVANANTHAPURAM

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1001	1003	1000	24.0	28.8	21.8	22.9	320	4.6	5.2
1000	74	87	62	23.9	27.8	21.6	22.8	319	6.4	7.0
950	515	537	493	22.2	28.4	15.4	20.4	309	10.2	11.0
925	758	769	746	21.5	27.2	13.2	19.4	305	12.2	12.7
900	992	1008	979	19.8	26.2	12.6	17.5	302	12.9	13.6
850	1484	1500	1470	17.2	24.2	9.6	14.1	299	13.8	14.3
800	2001	2019	1983	14.7	23.0	8.0	10.5	295	13.2	13.8
750	2541	2574	2520	12.1	20.0	5.2	6.3	291	12.0	12.7
700	3121	3143	3097	9.3	18.0	1.8	2.0	286	10.3	11.2
650	3725	3755	3690	5.9	13.4	-0.3	-1.7	282	8.3	9.3
600	4384	4419	4351	2.4	10.2	-4.0	-4.9	279	6.2	7.8
550	5081	5117	5046	-1.5	5.6	-9.7	-8.9	279	4.4	6.6
500	5837	5891	5795	-5.7	2.0	-12.9	-13.4	279	2.6	5.6
450	6652	6697	6608	-10.5	-1.9	-17.7	-18.6	312	0.5	5.3
400	7555	7637	7499	-16.1	-8.3	-23.0	-24.7	078	2.3	5.7
350	8544	8622	8484	-23.0	-14.9	-32.0	-31.8	080	5.4	7.4
300	9662	9786	9587	-31.3	-19.5	-40.9	-40.0	085	8.8	10.2
250	10927	11076	10845	-41.6	-28.7	-53.1	-49.1	086	14.9	16.0
200	12402	12581	12287	-53.8	-39.7	-68.3	-60.7	082	24.0	24.8
175	13248	13448	13104	-60.7	-46.7	-76.7		080	29.3	30.0
150	14191	14411	14010	-68.4	-53.7	-85.5		080	33.2	34.1
125	15264	15509	15051	-75.3	-59.1	-89.3		084	34.6	35.5
100	16547	16801	16308	-77.0	-63.3	-91.9		087	24.9	25.7
80	17847	18107	17615	-71.6	-58.1	-88.1		088	16.4	17.1
70	18650	18943	18405	-68.5	-52.9	-82.5		089	14.6	15.4
60	19577	19857	19328	-65.0	-48.3	-78.1		090	14.3	15.0
50	20702	20994	20409	-61.1	-40.3	-76.1		091	15.7	16.4
40	22102	22390	21750	-57.7	-44.5	-72.5		089	18.1	18.7
30	23929	24253	23534	-53.6	-39.7	-66.7		090	20.9	21.5
25	25097	25412	24682	-51.6	-37.1	-65.1		092	22.5	23.5
20	26584	27009	26151	-48.4	-32.5	-60.7		094	23.1	24.1
15	28509	28953	27993	-45.5	-32.3	-57.3				
10	31316	31689	30552	-41.3	-30.1	-56.1				
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
568	4810	5320	4540				109	16070	-79.8

NORMALS OF RADIOSONDE DATA

MONTH : AUGUST TIME : 0530 IST STATION : THIRUVANANTHAPURAM

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1002	1004	1000	24.0	29.0	21.2	23.0	323	4.5	5.1
1000	78	98	64	23.9	26.0	21.0	22.8	321	6.5	7.0
950	520	548	490	22.0	27.2	16.0	20.1	313	10.0	10.6
925	764	781	751	21.3	25.8	15.8	19.3	310	10.8	11.3
900	996	1019	977	19.5	25.0	12.8	17.0	305	12.3	12.9
850	1487	1512	1467	17.0	23.2	11.2	13.8	301	12.7	13.3
800	2004	2029	1980	14.5	22.0	7.4	10.1	296	12.2	12.9
750	2545	2574	2518	12.1	19.0	5.2	5.8	291	11.0	11.7
700	3123	3150	3093	9.3	16.2	2.0	1.2	286	9.4	10.3
650	3729	3763	3697	5.9	14.4	-1.3	-2.5	282	7.7	8.7
600	4385	4418	4350	2.2	8.6	-4.9	-6.1	279	5.8	7.1
550	5083	5122	5044	-1.7	5.4	-9.5	-9.8	278	4.2	6.0
500	5837	5879	5794	-5.9	3.6	-13.3	-14.3	281	2.4	5.3
450	6652	6701	6607	-10.6	-3.1	-18.7	-19.5	334	0.5	5.0
400	7555	7615	7500	-16.1	-7.5	-23.3	-25.6	080	2.3	5.4
350	8545	8604	8488	-23.0	-12.9	-31.7	-32.9	089	5.3	7.1
300	9661	9752	9598	-31.4	-20.7	-39.9	-40.5	092	9.2	10.4
250	10925	11038	10861	-41.6	-26.0	-51.5	-49.4	090	15.5	16.4
200	12401	12545	12330	-53.7	-42.3	-65.7	-61.2	084	24.7	25.4
175	13246	13409	13164	-60.7	-48.1	-74.1		081	29.6	30.4
150	14190	14374	14094	-68.3	-54.7	-80.9		082	34.0	34.7
125	15266	15468	15154	-75.2	-61.5	-87.3		085	33.9	34.6
100	16551	16786	16381	-76.8	-62.5	-88.7		087	23.2	24.0
80	17850	18107	17649	-71.3	-57.1	-86.1		088	14.9	15.5
70	18655	18939	18440	-68.2	-52.3	-82.9		088	13.6	14.3
60	19583	19853	19347	-65.1	-46.1	-80.5		090	13.9	14.8
50	20700	21000	20439	-61.6	-42.5	-76.5		089	15.0	15.8
40	22096	22424	21798	-58.2	-43.1	-71.5		089	16.7	17.6
30	23935	24302	23588	-54.7	-40.1	-68.1		089	19.8	20.6
25	25113	25473	24726	-52.6	-38.3	-65.7		092	20.8	21.7
20	26590	26981	26162	-50.2	-40.1	-61.9		091	22.1	23.5
15	28509	28922	27988	-47.1	-36.9	-61.1		094	23.1	23.9
10	31322	31771	30663	-42.3	-28.5	-61.9				
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
571	4780	5200	4510				109	16070	-79.3

NORMALS OF RADIOSONDE DATA

MONTH : SEPTEMBER TIME : 0530 IST STATION : THIRUVANANTHAPURAM

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1002	1004	1000	24.2	26.4	22.0	23.1	330	3.5	4.0
1000	80	92	68	24.1	28.6	22.0	22.9	327	5.5	6.0
950	521	541	491	22.2	32.6	17.2	19.8	316	7.8	8.5
925	764	774	753	21.3	28.6	15.6	18.8	311	8.6	9.2
900	998	1011	983	19.8	28.4	14.2	16.7	306	8.9	9.7
850	1489	1502	1470	17.3	24.6	11.0	13.5	297	8.8	9.5
800	2006	2023	1983	14.9	23.2	7.0	9.9	292	7.6	8.8
750	2547	2572	2523	12.3	23.0	4.8	6.0	288	6.6	7.9
700	3126	3152	3098	9.3	19.0	0.0	1.8	286	5.5	7.1
650	3732	3768	3698	6.0	13.6	-3.0	-2.5	283	4.5	6.2
600	4389	4424	4357	2.4	10.8	-6.0	-6.1	279	3.4	5.6
550	5087	5126	5055	-1.6	7.0	-12.0	-9.9	279	2.0	4.9
500	5841	5882	5805	-5.8	2.8	-12.0	-14.4	284	0.5	4.6
450	6656	6707	6619	-10.5	1.0	-17.5	-19.6	089	1.1	4.8
400	7558	7622	7513	-16.0	-6.9	-23.1	-25.5	092	3.1	5.6
350	8547	8619	8503	-22.8	-11.9	-30.0	-32.5	095	5.2	6.8
300	9665	9770	9613	-31.2	-20.9	-39.5	-40.7	096	8.3	9.2
250	10930	11060	10874	-41.6	-29.5	-49.9	-50.1	093	13.2	13.9
200	12404	12567	12334	-54.0	-39.3	-65.3		088	19.8	20.5
175	13248	13431	13162	-61.1	-45.3	-73.1		086	23.9	24.6
150	14189	14392	14082	-68.8	-52.5	-83.3		087	27.2	27.9
125	15260	15493	15127	-75.4	-59.5	-89.3		090	26.0	26.7
100	16541	16787	16374	-76.9	-63.5	-90.9		090	16.5	17.3
80	17842	18103	17641	-72.2	-59.5	-87.5		089	11.4	12.4
70	18642	18920	18410	-68.9	-55.5	-85.7		089	10.5	11.6
60	19562	19841	19314	-65.6	-50.9	-82.0		089	10.8	12.1
50	20684	20988	20396	-61.7	-48.7	-76.0		088	11.6	13.0
40	22077	22404	21748	-58.5	-44.9	-70.9		087	13.4	14.7
30	23912	24274	23517	-54.6	-36.9	-70.1		091	16.3	17.6
25	25085	25465	24657	-52.2	-34.1	-70.1		094	16.3	18.1
20	26538	26991	26088	-49.6	-27.1	-68.3		093	18.0	20.0
15	28456	28964	27971	-46.5	-33.7	-67.3		093	19.9	21.6
10	31256	31757	30482	-42.1	-27.9	-55.1				
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
569	4820	5370	4550				110	16010	-79.4

NORMALS OF RADIOSONDE DATA

MONTH : OCTOBER TIME : 0530 IST STATION : THIRUVANANTHAPURAM

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1002	1004	1001	24.1	27.2	21.0	23.0	330	1.8	2.3
1000	83	95	70	24.0	27.0	19.0	22.7	329	3.0	3.9
950	524	546	492	22.5	29.2	15.0	19.7	312	4.0	5.2
925	766	779	752	21.5	27.2	16.2	18.2	305	4.4	5.8
900	1001	1017	987	20.1	27.0	12.0	16.5	302	4.1	5.7
850	1493	1511	1475	17.5	24.0	9.8	13.2	300	3.5	6.0
800	2011	2030	1989	14.9	21.0	7.6	9.5	300	2.7	6.0
750	2552	2573	2526	12.1	20.2	5.2	5.6	299	2.3	6.0
700	3130	3151	3099	9.1	17.2	2.0	1.6	292	2.3	6.0
650	3736	3764	3704	5.8	13.4	-4.9	-2.1	288	2.0	5.8
600	4392	4416	4353	2.3	8.8	-5.5	-5.6	286	1.3	5.6
550	5089	5118	5046	-1.5	6.0	-9.7	-9.6	312	0.5	5.2
500	5844	5881	5797	-5.7	6.8	-14.5	-14.2	070	0.5	5.2
450	6660	6706	6609	-10.3	-2.0	-19.7	-19.3	087	1.4	5.1
400	7562	7620	7508	-15.9	-8.9	-24.1	-25.0	089	2.4	5.2
350	8553	8616	8493	-22.8	-11.0	-30.5	-31.8	094	3.8	5.8
300	9670	9757	9603	-31.1	-22.5	-41.3	-40.2	096	5.6	7.2
250	10936	11042	10860	-41.5	-30.7	-52.1	-49.9	095	8.4	9.9
200	12410	12538	12328	-54.0	-41.3	-68.1		093	12.5	14.0
175	13255	13392	13152	-61.2	-47.1	-73.9		092	14.7	16.3
150	14195	14347	14066	-68.9	-54.1	-82.7		095	16.2	17.8
125	15267	15444	15118	-75.6	-57.0	-88.9		096	14.6	16.2
100	16544	16745	16355	-78.9	-60.0	-90.7		092	9.4	11.0
80	17827	18069	17609	-74.3	-60.5	-88.1		087	6.1	8.4
70	18622	18885	18389	-70.6	-54.5	-83.3		086	5.5	8.1
60	19541	19802	19296	-66.8	-51.9	-82.5		088	6.3	9.2
50	20657	20923	20379	-62.8	-46.3	-76.0		091	7.6	10.8
40	22045	22333	21733	-58.9	-40.9	-74.5		091	10.4	13.3
30	23866	24193	23514	-54.3	-38.3	-72.1		093	13.5	16.6
25	25026	25388	24651	-51.7	-34.1	-68.9		092	13.3	17.2
20	26489	26888	26073	-48.4	-31.3	-61.7		092	13.4	18.1
15	28422	28859	27994	-44.8	-29.5	-56.1		092	15.0	19.0
10	31247	31704	30768	-39.8	-25.5	-54.1				
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
569	4820	5320	4460				107	16200	-80.7

NORMALS OF RADIOSONDE DATA

MONTH : NOVEMBER TIME : 0530 IST STATION : THIRUVANANTHAPURAM

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1003	1004	1001	23.9	27.6	20.0	22.6	340	0.8	1.5
1000	85	98	71	23.8	27.6	20.0	22.4	341	1.5	2.7
950	524	546	492	22.5	29.0	16.0	19.1	327	1.4	3.2
925	765	772	755	21.5	26.6	16.6	17.6	355	1.1	3.4
900	1003	1019	991	20.0	26.8	13.0	15.8	354	1.2	3.9
850	1494	1513	1483	17.2	24.2	9.0	12.6	026	1.2	4.6
800	2011	2032	1996	14.6	22.2	7.6	9.0	033	1.2	4.9
750	2552	2579	2533	11.9	19.6	5.0	5.0	034	0.9	4.9
700	3129	3157	3105	9.1	16.0	2.8	1.1	032	0.6	5.2
650	3735	3770	3711	5.9	19.0	-3.5	-2.5	066	0.6	5.7
600	4391	4423	4358	2.3	9.6	-5.5	-6.0	075	1.3	5.7
550	5090	5126	5050	-1.3	6.0	-8.0	-10.0	074	2.0	5.7
500	5845	5886	5806	-5.4	4.8	-13.5	-14.4	075	2.6	6.0
450	6661	6702	6616	-10.1	-1.7	-18.0	-19.7	078	3.2	6.4
400	7565	7630	7511	-15.7	-7.1	-24.7	-25.6	082	3.4	6.4
350	8555	8614	8494	-22.7	-14.5	-44.0	-32.4	088	3.7	6.4
300	9673	9771	9592	-31.1	-21.3	-40.9	-40.2	101	4.4	6.9
250	10939	11062	10839	-41.5	-32.5	-50.5	-49.9	111	6.2	8.7
200	12413	12573	12291	-54.0	-42.9	-64.1		114	8.5	11.4
175	13256	13437	13121	-61.0	-49.1	-73.7		113	8.9	12.4
150	14196	14402	14046	-68.5	-54.7	-82.3		113	7.9	12.0
125	15267	15501	15100	-75.7	-62.5	-89.3		107	5.9	10.1
100	16542	16797	16355	-80.5	-65.3	-93.3		091	5.7	8.6
80	17810	18091	17593	-76.7	-61.7	-90.5		081	4.3	7.6
70	18595	18905	18344	-72.6	-54.5	-88.3		078	3.1	7.4
60	19500	19790	19231	-68.5	-50.5	-90.1		083	3.1	8.5
50	20614	20906	20312	-63.7	-45.7	-79.9		092	4.9	10.3
40	21998	22277	21644	-59.4	-42.5	-76.1		095	7.8	13.0
30	23818	24132	23413	-54.2	-38.3	-67.7		095	10.2	15.8
25	24987	25290	24554	-51.4	-33.5	-66.1		097	9.9	16.9
20	26433	26804	25965	-48.5	-32.5	-62.9		094	9.0	18.1
15	28347	28739	27806	-45.4	-29.3	-58.5		092	8.3	20.0
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
568	4820	5310	4350				102	16440	-82.2

NORMALS OF RADIOSONDE DATA

MONTH : DECEMBER TIME : 0530 IST STATION : THIRUVANANTHAPURAM

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1003	1005	1002	23.6	27.8	19.0	21.2	036	0.7	1.2
1000	91	108	81	23.5	27.4	19.0	21.0	031	1.4	2.6
950	529	556	491	22.3	28.6	14.2	17.1	043	1.3	2.8
925	774	788	764	21.3	25.8	14.8	15.8	057	1.3	2.7
900	1008	1024	994	19.7	27.0	12.0	13.9	059	1.7	3.3
850	1499	1513	1482	17.0	25.0	9.4	10.4	061	1.9	3.9
800	2015	2033	1993	14.6	22.6	6.6	6.5	070	1.9	4.2
750	2557	2576	2527	12.1	22.0	4.2	2.4	084	2.3	4.7
700	3134	3158	3102	9.3	16.6	0.6	-1.3	087	2.8	5.0
650	3739	3767	3707	6.0	17.0	-4.1	-4.7	085	3.6	5.6
600	4396	4433	4354	2.3	9.2	-7.1	-8.4	083	4.1	6.1
550	5093	5127	5048	-1.6	6.0	-9.0	-11.8	082	4.7	6.7
500	5847	5896	5798	-5.8	2.0	-14.0	-16.2	080	5.1	7.3
450	6662	6706	6610	-10.6	-3.5	-21.3	-21.7	080	5.0	7.4
400	7563	7631	7503	-16.3	-8.3	-25.1	-27.4	078	3.9	7.3
350	8552	8620	8488	-23.3	-13.1	-33.3	-33.8	085	2.6	7.4
300	9667	9761	9588	-31.7	-19.1	-42.1	-41.4	133	2.9	8.1
250	10930	11046	10834	-42.1	-29.1	-52.5	-50.7	153	4.9	9.8
200	12401	12552	12286	-54.3	-35.5	-66.3		165	5.8	11.7
175	13244	13417	13116	-61.3	-40.9	-73.1		178	4.9	12.0
150	14185	14382	14041	-68.6	-45.7	-81.3		205	3.6	11.4
125	15257	15483	15088	-75.3	-51.5	-89.1		218	2.1	9.8
100	16531	16787	16327	-81.0	-61.9	-92.1		091	2.0	7.8
80	17790	18071	17568	-78.2	-58.5	-90.7		079	4.1	7.5
70	18566	18883	18320	-74.1	-56.1	-88.7		079	3.0	7.5
60	19469	19784	19194	-69.3	-54.7	-88.5		086	2.6	8.3
50	20569	20908	20278	-64.3	-48.9	-84.3		097	3.8	10.4
40	21948	22318	21636	-59.5	-41.7	-76.5		101	5.2	12.8
30	23768	24232	23434	-54.4	-38.9	-70.7		099	5.2	14.2
25	24933	25410	24559	-51.9	-38.7	-68.9		093	4.7	16.0
20	26395	26914	25951	-49.2	-38.1	-69.3		090	4.6	18.0
15	28304	28829	27644	-46.3	-31.7	-61.7		087	2.2	19.0
10	31118	31608	30536	-42.0	-24.1	-53.9				
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
569	4820	5270	4470				099	16610	-82.9

NORMALS OF RADIOSONDE DATA

MONTH : JANUARY TIME : 0530 IST STATION : VISHAKHAPATNAM

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1008	1010	1005	21.8	27.4	16.2	18.1	023	1.2	2.2
1000	114	132	90	21.6	26.0	16.0	17.8	028	1.4	2.8
950	549	574	510	19.7	28.4	14.0	14.8	059	1.8	3.7
925	781	796	765	18.7	27.0	13.4	13.1	056	1.9	3.5
900	1022	1043	999	17.1	26.4	11.2	10.3	052	2.0	3.8
850	1508	1527	1483	14.8	26.0	8.6	5.3	029	2.2	4.3
800	2019	2040	1992	12.6	24.6	5.0	-0.1	003	2.2	5.0
750	2557	2578	2531	10.4	21.6	1.0	-4.9	326	2.7	5.7
700	3130	3149	3103	8.0	18.0	1.4	-8.6	302	3.8	6.5
650	3737	3767	3709	5.1	14.2	-5.9	-12.1	290	5.1	7.5
600	4387	4426	4353	1.8	12.0	-7.1	-15.2	283	6.8	8.9
550	5081	5124	5046	-2.2	7.2	-10.5	-17.9	279	8.5	10.4
500	5833	5890	5792	-6.9	2.8	-17.7	-22.2	276	10.4	12.4
450	6646	6714	6603	-12.0	-3.3	-20.3	-26.3	274	12.6	14.6
400	7540	7626	7491	-17.8	-7.9	-28.0	-31.7	273	15.1	17.1
350	8524	8620	8467	-24.3	-12.7	-37.9	-37.4	270	17.9	19.6
300	9633	9759	9553	-32.2	-17.5	-43.0	-44.2	266	20.3	22.0
250	10893	11047	10790	-41.9	-31.3	-54.1		260	21.8	23.7
200	12369	12556	12232	-53.3	-42.9	-64.1		255	21.6	23.5
175	13216	13413	13079	-59.7	-49.1	-72.7		254	20.3	22.4
150	14165	14417	14007	-66.5	-55.3	-76.3		252	18.4	20.8
125	15250	15581	15072	-73.0	-60.0	-83.0		252	14.8	17.1
100	16538	16780	16335	-78.7	-63.0	-89.3		259	9.3	12.4
80	17817	18098	17417	-76.2	-61.3	-87.7		261	5.9	9.5
70	18599	18965	18186	-73.3	-57.1	-89.0		268	4.7	8.6
60	19508	19949	19093	-68.7	-50.9	-80.7		273	3.5	7.0
50	20614	20971	20171	-63.3	-42.7	-74.1		278	2.6	6.4
40	22004	22391	21510	-58.5	-40.1	-68.5				
30	23839	24280	23570	-53.4	-36.9	-63.1				
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
578	4680	5380	4140				99	16640	-80.1

NORMALS OF RADIOSONDE DATA

MONTH : FEBRUARY TIME : 0530 IST STATION : VISHAKHAPATNAM

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1006	1010	1002	23.5	29.0	20.0	20.2	253	0.9	2.5
1000	98	130	67	23.3	28.0	20.0	19.8	254	0.9	2.9
950	537	574	493	21.5	31.8	14.2	15.6	226	1.1	4.0
925	770	779	754	20.3	26.8	15.8	14.6	231	0.9	4.0
900	1013	1042	981	19.2	31.0	11.8	10.7	220	0.7	4.1
850	1502	1530	1470	16.5	26.2	9.0	6.5	323	0.9	4.5
800	2016	2042	1984	13.4	21.4	5.8	2.5	328	2.1	5.3
750	2553	2579	2523	10.2	21.0	3.4	-2.0	315	3.4	6.1
700	3127	3153	3097	7.4	18.8	0.4	-6.6	303	4.5	7.0
650	3733	3761	3703	4.5	14.8	-6.0	-11.0	290	5.7	8.0
600	4381	4413	4344	1.3	10.2	-7.0	-15.4	283	7.5	9.7
550	5074	5111	5044	-2.6	6.6	-11.0	-18.4	279	9.4	11.4
500	5826	5871	5794	-7.1	0.4	-14.0	-21.9	277	11.2	13.3
450	6638	6693	6608	-12.2	-3.7	-22.0	-26.5	274	13.3	15.6
400	7532	7596	7499	-17.9	-9.0	-31.0	-31.5	273	15.7	18.0
350	8516	8593	8475	-24.5	-15.9	-33.9	-37.5	271	18.5	20.9
300	9625	9717	9577	-32.4	-23.5	-42.9	-44.7	265	20.6	23.0
250	10884	11005	10830	-42.1	-27.0	-52.7		260	21.7	24.0
200	12360	12513	12297	-53.4	-38.5	-65.3		257	22.0	24.3
175	13207	13372	13142	-59.6	-46.1	-69.1		254	20.3	22.7
150	14153	14353	14083	-66.4	-51.9	-76.5		253	18.4	20.9
125	15235	15470	15148	-72.9	-59.3	-82.1		256	14.5	16.8
100	16516	16832	16418	-78.9	-68.0	-87.1		263	10.0	12.7
80	17790	18159	17641	-77.3	-68.0	-86.1		267	6.1	9.3
70	18564	19000	18425	-74.5	-60.5	-85.1		272	4.7	8.1
60	19475	19877	19273	-70.0	-56.1	-80.1		277	3.2	6.5
50	20576	21003	20362	-64.5	-51.7	-76.1		269	1.9	5.9
40	21969	22407	21740	-59.1	-36.1	-67.9				
30	23801	24234	23525	-54.2	-43.1	-63.5				
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
585	4590	5110	4100				98	16640	-80.3

NORMALS OF RADIOSONDE DATA

MONTH : MARCH TIME : 0530 IST STATION : VISHAKHAPATNAM

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1004	1007	1000	25.4	29.8	20.0	21.9	239	2.6	3.2
1000	82	105	44	25.3	29.2	20.2	21.4	240	2.7	3.4
950	524	551	486	23.9	31.8	16.0	15.4	238	4.0	5.0
925	759	772	731	23.7	29.2	16.0	12.4	244	3.5	4.7
900	1004	1026	971	22.7	29.2	14.0	9.0	238	3.0	4.6
850	1499	1521	1470	20.0	26.2	12.0	5.3	268	1.6	4.2
800	2019	2039	1991	16.3	23.4	5.6	2.8	321	1.9	4.5
750	2560	2582	2536	12.0	20.0	1.6	-0.2	334	2.9	5.4
700	3137	3160	3106	7.8	16.6	-5.5	-3.9	329	3.9	6.3
650	3743	3764	3712	4.2	14.4	-5.1	-8.9	317	4.4	6.9
600	4392	4413	4360	0.9	10.0	-7.1	-14.0	302	5.2	7.7
550	5082	5106	5040	-2.9	6.0	-10.5	-18.8	291	6.4	8.8
500	5835	5859	5796	-7.3	2.6	-15.0	-23.6	284	7.9	10.4
450	6645	6678	6591	-12.5	-2.9	-22.5	-28.1	279	9.8	12.2
400	7538	7586	7488	-18.3	-6.5	-31.1	-32.7	275	12.2	14.6
350	8521	8588	8456	-24.9	-14.1	-35.5	-38.1	271	15.3	17.8
300	9627	9715	9546	-32.6	-21.3	-45.1	-44.9	266	18.1	20.5
250	10887	10997	10783	-41.8	-30.9	-53.9	-53.9	261	20.1	22.5
200	12364	12507	12241	-52.8	-40.7	-61.9		257	20.8	23.1
175	13213	13376	13090	-58.9	-46.1	-67.9		259	19.7	22.1
150	14167	14341	14049	-65.5	-52.1	-75.1		257	17.4	20.2
125	15258	15484	15145	-71.8	-58.1	-84.5		255	13.4	16.1
100	16554	16805	16421	-77.6	-64.5	-86.3		260	8.5	12.0
80	17832	18099	17666	-76.2	-60.3	-85.1		268	4.2	8.7
70	18613	18973	18436	-73.3	-58.3	-83.3		269	3.7	7.8
60	19526	19935	19355	-68.6	-57.1	-83.0		262	2.7	6.9
50	20635	21077	20453	-63.1	-47.1	-74.7		283	1.9	6.4
40	22018	22771	21798	-57.5	-43.1	-69.0				
30	23855	24119	23589	-52.4	-40.1	-66.0				
25	25037	25317	24751	-49.8	-35.5	-56.1				
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
589	4540	5010	4090				97	16740	-79.4

NORMALS OF RADIOSONDE DATA

MONTH : APRIL TIME : 0530 IST STATION : VISHAKHAPATNAM

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1002	1003	998	27.3	31.0	21.0	24.0	235	4.2	4.7
1000	59	77	29	27.0	31.0	21.0	23.7	236	4.3	4.7
950	503	524	455	25.3	32.0	19.0	18.9	237	6.8	7.3
925	744	756	718	24.7	32.0	17.6	16.8	234	5.6	6.3
900	986	1004	959	24.7	33.0	16.6	12.1	238	5.5	6.3
850	1486	1504	1460	22.7	30.0	12.0	7.8	252	2.9	4.7
800	2010	2033	1985	19.1	27.6	11.0	4.7	303	1.8	4.1
750	2557	2584	2533	14.8	25.4	6.2	2.0	343	2.5	4.7
700	3140	3170	3111	10.1	20.4	3.4	-0.9	353	3.5	5.6
650	3749	3782	3718	5.4	15.4	-2.0	-4.5	350	4.1	6.3
600	4400	4434	4369	1.1	11.0	-7.0	-9.5	337	4.2	6.6
550	5092	5128	5059	-2.7	7.2	-12.0	-14.8	315	4.3	6.9
500	5846	5886	5800	-6.9	1.8	-17.0	-20.7	297	4.9	7.7
450	6658	6702	6607	-11.6	-3.5	-22.0	-25.6	284	6.5	9.4
400	7555	7613	7493	-17.2	-8.7	-26.0	-30.9	276	8.8	11.7
350	8542	8614	8475	-23.8	-13.3	-33.0	-36.2	271	11.5	14.1
300	9655	9741	9577	-31.5	-20.1	-42.0	-42.7	266	14.3	16.9
250	10920	11035	10836	-40.8	-28.5	-49.3	-51.2	260	17.1	19.7
200	12402	12554	12313	-51.9	-38.3	-62.9		255	18.1	20.6
175	13254	13409	13162	-58.2	-45.0	-69.3		255	17.2	19.5
150	14211	14389	14104	-65.1	-50.0	-75.1		256	14.7	17.1
125	15302	15501	15172	-71.9	-59.1	-82.5		259	10.4	13.2
100	16592	16756	16394	-78.3	-64.0	-90.0		261	4.5	9.6
80	17869	18051	17696	-76.9	-63.3	-88.7		328	0.7	7.5
70	18646	18855	18462	-73.5	-57.5	-87.9		059	0.7	7.1
60	19563	19758	19355	-68.6	-55.1	-82.0		079	0.5	6.1
50	20674	20868	20467	-62.6	-47.1	-77.0		039	1.4	6.3
40	22075	22265	21735	-57.0	-44.9	-68.1		066	2.9	7.2
30	23925	24116	23572	-51.1	-39.1	-63.1		072	4.6	8.5
25	25120	25311	24830	-48.7	-38.1	-63.9		076	5.0	8.9
20	26602	26818	26260	-46.0	-33.5	-60.1				
15	28500	29065	28088	-43.8	-30.9	-59.1				
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
584	4610	5230	4120				96	16880	-80.1

NORMALS OF RADIOSONDE DATA

MONTH : MAY TIME : 0530 IST STATION : VISHAKHAPATNAM

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	998	1002	995	28.8	33.0	24.0	25.2	231	3.9	4.6
1000	30	60	4	28.3	32.0	23.8	24.9	232	4.0	4.8
950	480	513	436	26.5	37.4	18.0	21.5	236	6.5	7.5
925	717	727	698	25.9	37.0	17.6	18.8	240	6.8	7.8
900	962	990	933	25.2	36.0	16.2	16.2	240	5.9	7.2
850	1463	1489	1435	23.4	33.0	12.6	11.2	259	3.5	5.7
800	1990	2018	1964	20.3	30.2	9.8	7.2	306	2.5	5.1
750	2540	2570	2513	16.3	28.2	6.8	3.8	338	3.2	5.5
700	3125	3159	3090	11.7	23.8	3.0	0.6	353	4.1	6.3
650	3738	3773	3702	6.9	18.8	-0.1	-2.5	358	5.0	7.1
600	4392	4435	4352	2.0	12.6	-4.5	-6.2	357	5.2	7.4
550	5086	5132	5049	-2.1	7.0	-11.9	-10.9	353	4.6	6.8
500	5841	5889	5800	-5.8	3.0	-16.7	-16.6	350	3.7	6.7
450	6660	6710	6618	-10.0	-1.3	-22.1	-21.3	337	3.0	6.9
400	7562	7619	7516	-15.0	-4.9	-28.3	-26.9	304	2.8	7.5
350	8557	8627	8512	-21.4	-10.9	-38.3	-32.3	274	3.7	8.2
300	9679	9779	9624	-29.2	-17.1	-43.7	-39.0	258	4.7	8.6
250	10956	11086	10898	-38.9	-27.3	-52.7	-47.8	242	5.5	9.3
200	12449	12622	12370	-50.8	-38.7	-64.7		226	5.7	10.3
175	13304	13508	13217	-57.7	-44.5	-71.7		208	5.2	10.5
150	14259	14475	14165	-65.3	-51.5	-78.3		190	4.5	10.3
125	15347	15606	15229	-72.6	-56.1	-88.7		143	4.8	10.0
100	16637	16965	16496	-79.2	-67.1	-92.9		108	6.9	10.1
80	17905	18275	17763	-77.0	-62.1	-89.1		095	8.3	9.7
70	18685	19085	18526	-73.1	-57.7	-88.3		091	8.5	9.6
60	19597	20005	19378	-67.7	-50.3	-82.0		090	7.9	8.9
50	20714	21139	20490	-61.9	-46.1	-74.1		084	8.5	9.3
40	22112	22569	21860	-56.8	-42.5	-70.1		089	9.8	10.5
30	23968	24468	23546	-51.2	-36.9	-64.3		088	12.0	12.6
25	25159	25665	24872	-48.9	-33.1	-62.9		093	13.8	14.4
20	26649	27184	26398	-46.2	-36.5	-60.1				
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
575	4730	5350	4450				96	16870	-80.9

NORMALS OF RADIOSONDE DATA

MONTH : JUNE TIME : 0530 IST STATION : VISHAKHAPATNAM

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	995	997	992	28.6	33.0	23.4	24.9	241	4.3	5.0
1000	10	27	1							
950	450	479	394	26.5	36.0	17.8	21.7	248	7.7	8.5
925	689	702	678	25.7	33.8	19.6	20.0	249	9.0	9.8
900	932	950	900	24.5	34.0	14.0	18.2	258	8.4	9.6
850	1432	1452	1397	22.0	29.8	11.4	15.2	270	7.8	9.5
800	1956	1979	1918	18.8	27.0	10.4	12.0	280	6.7	8.6
750	2505	2530	2466	15.2	23.2	7.4	8.6	291	5.4	7.8
700	3089	3114	3045	11.4	20.8	5.0	5.3	302	4.4	7.5
650	3703	3735	3656	7.5	16.0	1.0	1.5	310	3.8	7.4
600	4360	4397	4309	3.6	13.2	-3.1	-2.1	321	3.0	7.1
550	5060	5105	5004	-0.2	9.8	-7.0	-6.1	325	2.4	6.6
500	5821	5867	5766	-4.0	5.6	-11.0	-10.8	333	1.8	6.4
450	6644	6697	6590	-8.3	1.0	-17.0	-16.1	004	1.0	6.1
400	7554	7609	7497	-13.3	-4.1	-24.3	-21.9	062	1.6	5.9
350	8556	8620	8496	-19.7	-9.1	-32.0	-28.1	085	3.3	6.3
300	9689	9757	9633	-27.4	-18.9	-38.5	-35.8	091	5.5	7.4
250	10976	11054	10919	-37.4	-27.7	-46.9	-45.1	091	8.5	9.9
200	12478	12568	12398	-49.7	-38.1	-60.5	-55.9	090	12.6	13.9
175	13337	13436	13244	-56.9	-48.9	-68.5		088	15.0	16.4
150	14295	14405	14186	-65.0	-55.7	-76.9		087	18.4	19.7
125	15388	15507	15255	-72.6	-60.3	-85.9		087	21.4	22.7
100	16672	16805	16510	-79.4	-64.9	-89.9		088	22.8	23.6
80	17946	18076	17740	-76.3	-61.1	-89.1		089	21.4	21.9
70	18732	18924	18534	-71.7	-55.5	-89.1		087	19.3	19.8
60	19647	19843	19452	-66.4	-50.5	-82.1		085	17.2	17.6
50	20779	20984	20593	-60.8	-45.1	-75.9		084	17.0	17.5
40	22188	22431	21998	-56.3	-40.1	-70.7		086	16.6	17.0
30	24031	24454	23703	-51.4	-33.3	-63.7				
25	25194	25688	24900	-49.4	-34.5	-58.5				
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
553	5020	5380	4690				97	16850	-81.2

NORMALS OF RADIOSONDE DATA

MONTH : JULY TIME : 0530 IST STATION : VISHAKHAPATNAM

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	995	998	993	27.5	31.6	23.0	24.5	243	4.6	5.1
1000	9	27	0							
950	452	489	407	25.4	35.4	18.8	21.7	250	7.7	8.3
925	685	699	677	24.1	29.4	17.2	19.7	255	8.6	9.4
900	933	954	915	23.1	33.8	15.2	18.6	259	8.9	9.8
850	1430	1451	1412	20.4	31.4	12.4	15.9	270	9.1	10.3
800	1952	1974	1932	17.4	29.2	10.0	13.2	278	9.0	10.2
750	2498	2522	2477	14.1	24.6	5.4	10.2	280	8.0	9.3
700	3081	3104	3058	10.7	20.0	3.6	6.9	281	6.9	8.2
650	3694	3719	3670	7.4	18.4	-0.3	3.1	280	5.6	7.4
600	4352	4379	4322	3.9	12.4	-4.1	-0.7	279	4.5	7.0
550	5053	5086	5020	0.4	8.6	-7.1	-4.8	279	3.2	6.7
500	5816	5847	5778	-3.6	4.2	-11.3	-9.4	281	1.6	6.0
450	6640	6682	6600	-8.0	0.0	-19.0	-14.7	077	0.3	5.8
400	7550	7598	7500	-13.3	-4.1	-22.1	-20.8	088	2.7	6.1
350	8553	8616	8496	-19.8	-10.5	-28.0	-27.8	092	5.4	7.5
300	9684	9759	9614	-27.6	-18.9	-37.5	-36.0	091	8.8	10.0
250	10971	11061	10886	-37.6	-27.1	-46.9	-45.5	089	13.6	14.4
200	12471	12588	12350	-49.9	-38.5	-67.7	-56.4	084	19.6	20.2
175	13331	13465	13200	-57.1	-47.9	-70.9		082	23.1	23.8
150	14290	14435	14151	-65.0	-53.7	-79.5		080	26.5	27.3
125	15381	15538	15246	-72.7	-60.9	-84.3		082	30.0	30.8
100	16671	16849	16505	-78.9	-69.3	-90.0		084	31.2	31.9
80	17958	18193	17750	-73.7	-58.1	-87.0		088	26.9	27.3
70	18757	19035	18495	-69.1	-56.1	-81.5		087	23.8	24.3
60	19687	19964	19407	-64.5	-50.5	-77.0		086	22.3	22.6
50	20814	21128	20456	-60.1	-44.1	-74.1		085	20.6	21.0
40	22246	22588	21691	-56.1	-38.1	-66.0				
30	24103	24518	23794	-51.5	-25.9	-61.7				
25	25282	25680	24816	-49.6	-34.1	-59.7				
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
546	5110	5530	4750				101	16640	-80.2

NORMALS OF RADIOSONDE DATA

MONTH : AUGUST TIME : 0530 IST STATION : VISHAKHAPATNAM

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	996	997	994	27.3	31.0	24.0	24.4	244	4.1	4.7
1000	10	23	1							
950	455	472	413	25.2	33.0	18.6	21.4	252	6.7	7.5
925	696	707	682	24.0	29.2	18.8	19.3	258	6.9	8.0
900	936	951	920	22.8	30.0	17.0	18.5	264	7.4	8.6
850	1433	1448	1416	20.0	28.0	13.4	16.0	276	7.8	9.3
800	1955	1970	1937	17.0	26.0	9.6	13.2	283	7.8	9.4
750	2501	2519	2483	13.8	23.0	6.4	10.2	284	7.4	9.0
700	3082	3100	3061	10.5	19.2	3.0	6.9	284	6.6	8.3
650	3696	3717	3671	7.2	16.0	1.4	3.1	282	5.4	7.5
600	4352	4374	4327	3.9	13.4	-1.5	-0.9	282	4.3	7.0
550	5054	5078	5030	0.3	9.8	-6.5	-5.0	280	3.0	6.6
500	5816	5839	5789	-3.6	5.8	-10.5	-9.6	277	1.8	6.3
450	6641	6665	6612	-8.1	4.0	-16.1	-14.8	231	0.1	6.0
400	7550	7590	7517	-13.3	-2.7	-22.9	-20.8	095	2.2	6.3
350	8553	8595	8516	-19.9	-11.5	-30.5	-27.7	095	4.9	7.2
300	9683	9742	9636	-27.8	-19.3	-36.7	-36.1	095	8.2	9.4
250	10967	11047	10913	-37.9	-28.5	-47.5	-45.7	089	12.4	13.2
200	12465	12570	12402	-50.3	-40.5	-60.1	-57.0	084	17.9	18.8
175	13324	13449	13251	-57.5	-47.1	-68.5		082	21.3	22.1
150	14279	14419	14189	-65.4	-54.1	-77.1		081	24.2	25.1
125	15363	15513	15259	-73.2	-57.5	-87.0		082	27.5	28.3
100	16643	16864	16520	-79.0	-61.9	-90.1		086	28.2	28.8
80	17926	18272	17768	-72.8	-53.5	-89.0		087	24.0	24.4
70	18723	19130	18533	-68.4	-49.7	-82.3		087	22.2	22.7
60	19657	20018	19449	-64.3	-46.1	-83.0		085	20.9	21.2
50	20781	21173	20539	-60.0	-42.5	-73.3		085	20.4	20.8
40	22198	22643	21933	-56.6	-33.5	-68.0				
30	24040	24534	23733	-52.8	-34.7	-63.0				
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
546	5120	5500	4780				103	16490	-80.3

NORMALS OF RADIOSONDE DATA

MONTH : SEPTEMBER TIME : 0530 IST STATION : VISHAKHAPATNAM

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	999	1001	997	27.1	30.0	24.0	24.5	247	2.2	3.1
1000	36	57	17	27.2	31.0	25.0	24.5	244	1.9	2.9
950	480	506	439	25.1	31.4	18.0	21.3	252	3.6	5.4
925	718	728	703	23.8	28.8	19.8	19.4	255	4.1	6.3
900	963	982	942	22.6	30.4	16.0	18.3	263	3.3	5.8
850	1459	1478	1437	19.7	27.2	12.6	15.5	280	3.2	6.2
800	1980	1999	1957	16.7	27.0	10.8	12.2	289	3.2	6.3
750	2524	2544	2503	13.5	22.6	6.4	8.8	292	3.1	6.2
700	3106	3125	3082	10.3	18.8	3.2	5.3	295	2.7	6.0
650	3718	3737	3696	7.0	18.4	0.2	1.3	298	2.1	5.7
600	4375	4397	4349	3.6	16.0	-2.1	-2.7	309	1.2	5.5
550	5075	5099	5050	-0.1	11.8	-6.3	-6.9	353	0.3	5.4
500	5835	5865	5806	-4.2	7.4	-10.0	-11.9	078	0.8	5.6
450	6658	6689	6628	-8.8	1.6	-15.5	-17.0	093	1.8	5.7
400	7564	7612	7530	-14.1	-4.7	-23.0	-23.2	099	2.9	5.9
350	8564	8635	8528	-20.7	-12.9	-30.3	-29.7	102	4.3	6.5
300	9690	9784	9646	-28.6	-19.9	-39.1	-37.4	101	6.2	7.5
250	10970	11093	10916	-38.7	-29.1	-50.3	-47.0	097	8.5	9.5
200	12463	12631	12390	-51.1	-41.3	-62.1	-57.2	091	12.6	13.5
175	13318	13506	13237	-58.2	-47.9	-69.3		089	15.0	16.0
150	14271	14483	14175	-66.1	-55.9	-76.9		088	17.4	18.4
125	15353	15596	15237	-73.8	-59.0	-83.9		088	19.6	20.3
100	16623	16915	16493	-79.2	-68.7	-90.3		092	19.4	19.9
80	17907	18240	17765	-73.4	-63.1	-84.5		089	16.1	16.5
70	18699	19066	18541	-69.0	-57.1	-81.5		087	14.7	15.0
60	19620	19956	19448	-65.1	-53.1	-74.7		084	13.9	14.3
50	20746	21097	20535	-60.7	-45.5	-70.5		083	14.2	14.5
40	22156	22526	21892	-56.5	-39.5	-65.9				
30	24001	24436	23626	-52.0	-32.7	-62.7				
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
551	5050	5530	4800				103	16450	-80.5

NORMALS OF RADIOSONDE DATA

MONTH : OCTOBER TIME : 0530 IST STATION : VISHAKHAPATNAM

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1003	1006	1000	26.2	30.0	20.0	23.1	015	1.2	2.9
1000	68	102	41	25.9	30.0	22.4	22.7	018	1.4	3.0
950	511	552	455	24.2	33.8	18.0	19.4	044	2.1	4.8
925	749	778	729	23.0	29.4	17.6	17.5	056	3.1	5.9
900	992	1027	967	21.5	29.4	15.0	15.8	060	2.8	5.5
850	1486	1522	1462	18.6	26.0	11.6	12.4	063	3.2	5.9
800	2005	2041	1980	15.6	28.0	6.0	8.9	064	2.9	5.9
750	2547	2584	2509	12.7	20.8	3.8	5.4	059	2.4	5.8
700	3127	3159	3099	9.7	17.4	3.8	1.7	054	1.7	5.4
650	3737	3768	3708	6.6	14.4	1.0	-1.7	064	1.1	5.2
600	4392	4420	4360	3.2	11.6	-2.1	-5.4	096	1.1	5.2
550	5091	5120	5054	-0.5	8.6	-7.5	-9.4	110	1.2	5.3
500	5849	5876	5815	-4.7	5.2	-10.1	-14.3	112	1.4	5.5
450	6670	6700	6635	-9.5	-1.3	-16.1	-19.0	125	1.4	5.7
400	7573	7617	7538	-14.9	-6.9	-21.7	-24.8	142	1.2	5.9
350	8568	8626	8521	-21.6	-11.7	-30.0	-31.0	160	1.4	6.3
300	9691	9765	9649	-29.6	-18.5	-40.0	-38.8	171	2.0	7.1
250	10964	11062	10918	-39.7	-29.7	-50.0	-48.0	170	2.9	8.4
200	12451	12573	12393	-51.9	-40.9	-62.3		159	4.0	9.9
175	13303	13435	13237	-58.8	-37.1	-72.1		154	4.8	11.1
150	14252	14412	14180	-66.6	-56.3	-78.9		140	6.0	11.8
125	15330	15520	15240	-73.7	-56.5	-82.9		124	6.9	11.5
100	16608	16850	16499	-79.5	-65.7	-89.7		107	7.5	10.6
80	17895	18127	17766	-74.1	-58.7	-83.1		093	7.5	9.4
70	18689	18947	18559	-69.8	-55.3	-82.0		090	7.8	9.2
60	19619	19902	19476	-65.1	-51.7	-74.5		086	8.1	9.3
50	20749	21064	20612	-60.9	-46.1	-70.5		081	9.4	10.1
40	22153	22480	21995	-56.9	-42.7	-68.1		084	12.8	13.3
30	23992	24315	23795	-52.7	-36.1	-65.1				
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
557	4990	5450	4720				102	16520	-80.5

NORMALS OF RADIOSONDE DATA

MONTH : NOVEMBER TIME : 0530 IST STATION : VISHAKHAPATNAM

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1006	1009	1003	24.3	28.4	19.6	19.8	027	3.4	4.0
1000	95	127	69	24.1	28.2	19.6	19.4	029	3.8	4.4
950	534	559	490	22.1	32.8	15.2	16.0	049	5.7	6.4
925	770	787	750	20.7	26.8	15.4	14.2	055	5.8	6.4
900	1011	1037	987	19.3	29.8	13.0	12.3	058	5.9	6.8
850	1501	1523	1477	16.6	28.6	10.0	8.4	062	5.0	6.4
800	2016	2040	1993	14.2	27.2	7.0	4.5	065	3.6	5.8
750	2556	2580	2532	12.0	23.8	5.0	1.0	061	2.5	5.3
700	3134	3160	3111	9.4	20.8	0.0	-2.0	050	1.8	5.1
650	3744	3774	3720	6.3	16.0	-2.0	-5.1	040	1.3	5.1
600	4398	4437	4371	2.9	11.6	-3.5	-8.9	015	0.8	5.4
550	5095	5138	5070	-0.9	7.0	-7.3	-13.0	342	0.8	5.8
500	5851	5900	5825	-5.3	3.2	-11.7	-17.7	310	1.2	6.3
450	6669	6724	6645	-10.2	-2.5	-16.7	-22.1	286	2.4	7.0
400	7570	7637	7542	-15.9	-6.5	-25.0	-27.6	275	3.9	7.9
350	8560	8636	8532	-22.8	-12.3	-29.7	-33.7	265	6.1	9.3
300	9676	9768	9643	-30.8	-18.5	-41.0	-40.9	254	8.1	10.8
250	10943	11053	10903	-40.8	-28.9	-50.7	-50.0	242	9.8	12.4
200	12422	12568	12372	-52.8	-40.1	-64.5		230	11.3	14.3
175	13270	13431	13201	-59.6	-47.3	-75.5		228	11.0	14.1
150	14217	14426	14153	-67.0	-53.7	-77.7		233	9.8	13.2
125	15294	15528	15203	-73.9	-60.3	-84.1		236	7.1	10.9
100	16572	16851	16477	-79.6	-69.0	-89.7		224	2.6	8.3
80	17858	18159	17762	-76.1	-61.7	-87.1		105	0.7	6.7
70	18636	18998	18524	-72.4	-56.3	-84.0		102	1.1	5.8
60	19558	19951	19358	-67.9	-53.9	-81.5		078	1.2	5.5
50	20669	21103	20473	-62.4	-50.3	-79.5		076	2.6	5.7
40	22067	22557	21922	-57.7	-40.5	-75.5				
30	23901	24449	23690	-53.4	-39.3	-70.3				
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
562	4910	5500	4610				99	16640	-80.5

NORMALS OF RADIOSONDE DATA

MONTH : DECEMBER TIME : 0530 IST STATION : VISHAKHAPATNAM

Pressure	H	HX	HN	T	TX	TN	TD	DDD	VR	VM
STN (P)	1008	1010	1005	22.1	27.6	17.8	17.2	032	2.8	3.3
1000	116	133	90	21.9	26.4	18.0	16.8	034	3.4	3.9
950	552	576	505	20.0	29.8	14.0	13.6	055	4.6	5.2
925	785	800	769	18.4	25.2	12.8	11.1	056	4.5	5.0
900	1025	1041	999	17.2	28.0	10.0	9.6	057	4.4	5.1
850	1512	1529	1487	15.0	25.0	7.0	5.0	052	3.7	5.0
800	2024	2043	1998	13.4	23.2	6.0	-0.4	041	2.7	5.0
750	2562	2585	2539	11.5	22.0	2.0	-3.7	021	1.9	4.9
700	3138	3164	3114	8.9	19.0	1.8	-6.9	342	1.7	5.2
650	3747	3779	3723	5.8	14.4	-5.0	-10.3	315	2.2	5.6
600	4398	4435	4376	2.3	12.0	-6.1	-13.5	298	3.1	6.5
550	5093	5137	5069	-1.7	7.8	-11.3	-16.4	289	4.0	7.3
500	5847	5892	5820	-6.2	2.8	-17.9	-20.1	281	5.5	8.6
450	6660	6714	6631	-11.5	-2.5	-22.3	-24.1	274	7.3	10.1
400	7556	7620	7510	-17.4	-7.3	-31.3	-29.5	271	9.7	12.3
350	8542	8618	8497	-24.1	-14.9	-33.5	-35.5	269	12.3	14.6
300	9652	9742	9598	-32.1	-21.9	-42.7	-42.7	264	15.0	17.3
250	10912	11028	10849	-41.9	-29.3	-52.1	-51.6	255	17.5	20.0
200	12385	12511	12311	-53.5	-43.3	-61.7		247	19.1	21.7
175	13232	13375	13160	-59.9	-49.9	-69.3		245	19.0	21.5
150	14180	14374	14105	-66.9	-56.1	-79.9		246	17.2	19.4
125	15265	15506	15175	-73.2	-61.1	-84.7		251	13.0	15.4
100	16547	16816	16426	-78.8	-64.3	-89.1		258	7.4	11.3
80	17815	18170	17620	-76.9	-66.1	-87.5		257	1.7	8.8
70	18590	19000	18369	-73.8	-57.0	-83.7		266	0.8	7.1
60	19507	19894	19281	-69.3	-59.1	-81.1		254	1.0	6.8
50	20616	21019	20397	-63.9	-49.0	-80.5		358	0.6	6.3
40	22010	22428	21685	-59.2	-45.0	-69.9				
30	23835	24286	23418	-54.4	-41.7	-65.1				
25										
20										
15										
10										
7										

FREEZING LEVEL				FIRST TROPOPAUSE			SECOND TROPOPAUSE		
P	ALT	FHX	FHN	P	ALT	T	P	ALT	T
571	4800	5130	4510				99	16650	-80.1